Gnutti Bortolo

REPARTO 4

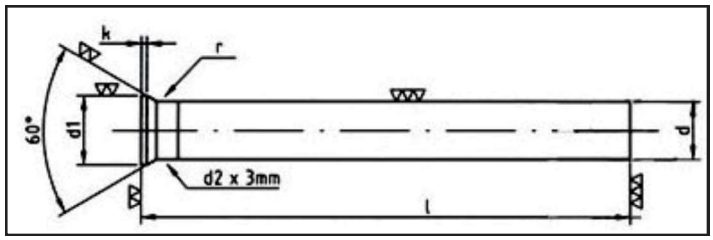
227 - 320

COMPONENTI MECCANICI

STAMPI
SERRAGGIO
VITERIA
MINUTERIA
TRASMISSIONI

Punzone a testa svasata DIN 9861 DA, WS
Punch with countersunk head DIN 9861 DA, WS

ART. 41007



Descrizione:
Punzone a testa svasata DIN 9861 DA. Materiale acciaio da utensili WS 1.2067. Durezza HRC 61 - 63.

Punch with countersunk head DIN 9861 DA. Material tool steel WS 1.2067. Hardness HRC 61 - 63.

ART. 41007

Dati tecnici / Technical data

cod. code	d h6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]	cod. code	d h6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]	cod. code	d h6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]	cod. code	d h6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]
41007013	**1,0**	1,8	1,03	0,5	**71**	41007229	**3,8**	5,0	3,83	0,5	**100**	41007445	**6,3**	8,0	6,33	0,5	**100**	41007645	**9,1**	11,0	9,14	1,0	**71**
41007017	**1,1**	1,8	1,13	0,5	**71**	41007233	**3,9**	5,0	3,93	0,5	**71**	41007449	**6,4**	8,0	6,43	0,5	**100**	41007649	**9,2**	11,0	9,24	1,0	**71**
41007021	**1,2**	2,0	1,23	0,5	**71**	41007237	**3,9**	5,0	3,93	0,5	**100**	41007453	**6,5**	9,0	6,54	1,0	**71**	41007653	**9,3**	11,0	9,34	1,0	**71**
41007025	**1,3**	2,0	1,33	0,5	**71**	41007241	**4,0**	5,5	4,03	0,5	**71**	41007457	**6,5**	9,0	6,54	1,0	**100**	41007657	**9,4**	11,0	9,44	1,0	**71**
41007029	**1,4**	2,2	1,43	0,5	**71**	41007245	**4,0**	5,5	4,03	0,5	**80**	41007461	**6,6**	9,0	6,64	1,0	**71**	41007661	**9,5**	12,0	9,54	1,0	**71**
41007033	**1,5**	2,2	1,53	0,5	**71**	41007249	**4,0**	5,5	4,03	0,5	**100**	41007465	**6,6**	9,0	6,64	1,0	**100**	41007665	**9,5**	12,0	9,54	1,0	**100**
41007037	**1,5**	2,2	1,53	0,5	**100**	41007253	**4,1**	5,5	4,13	0,5	**71**	41007469	**6,7**	9,0	6,74	1,0	**71**	41007669	**9,6**	12,0	9,64	1,0	**71**
41007041	**1,6**	2,5	1,63	0,5	**71**	41007257	**4,1**	5,5	4,13	0,5	**100**	41007473	**6,7**	9,0	6,74	1,0	**100**	41007673	**9,7**	12,0	9,74	1,0	**71**
41007045	**1,6**	2,5	1,63	0,5	**100**	41007261	**4,2**	5,5	4,23	0,5	**71**	41007477	**6,8**	9,0	6,84	1,0	**71**	41007677	**9,8**	12,0	9,84	1,0	**71**
41007049	**1,7**	2,5	1,73	0,5	**71**	41007265	**4,2**	5,5	4,23	0,5	**100**	41007481	**6,8**	9,0	6,84	1,0	**100**	41007681	**9,8**	12,0	9,84	1,0	**100**
41007053	**1,8**	2,8	1,83	0,5	**100**	41007269	**4,3**	5,5	4,33	0,5	**71**	41007485	**6,9**	9,0	6,94	1,0	**71**	41007685	**9,9**	12,0	9,94	1,0	**71**
41007057	**1,9**	2,8	1,93	0,5	**71**	41007273	**4,3**	5,5	4,33	0,5	**100**	42007487	**6,9**	9,0	6,94	1,0	**100**	41007689	**10,0**	12,0	10,04	1,0	**71**
41007061	**1,9**	2,8	1,93	0,5	**100**	41007277	**4,4**	5,5	4,43	0,5	**71**	41007489	**7,0**	9,0	7,04	1,0	**71**	41007693	**10,0**	12,0	10,04	1,0	**80**
41007065	**2,0**	3,0	2,03	0,5	**71**	41007281	**4,4**	5,5	4,43	0,5	**100**	41007493	**7,0**	9,0	7,04	1,0	**80**	41007697	**10,0**	12,0	10,04	1,0	**100**
41007069	**2,0**	3,0	2,03	0,5	**80**	41007285	**4,5**	6,0	4,53	0,5	**71**	41007497	**7,0**	9,0	7,04	1,0	**100**	41007701	**10,1**	12,0	10,14	1,0	**71**
41007073	**2,0**	3,0	2,03	0,5	**100**	41007289	**4,5**	6,0	4,53	0,5	**80**	41007501	**7,1**	9,0	7,14	1,0	**100**	41007705	**10,2**	12,0	10,24	1,0	**71**
41007077	**2,1**	3,2	2,13	0,5	**71**	41007293	**4,5**	6,0	4,53	0,5	**100**	41007505	**7,2**	9,0	7,24	1,0	**71**	41007709	**10,2**	12,0	10,24	1,0	**100**
41007081	**2,1**	3,2	2,13	0,5	**100**	41007297	**4,6**	6,0	4,63	0,5	**71**	41007509	**7,2**	9,0	7,24	1,0	**100**	41007713	**10,3**	12,0	10,34	1,0	**71**
41007089	**2,2**	3,2	2,23	0,5	**71**	41007301	**4,6**	6,0	4,63	0,5	**100**	41007513	**7,3**	9,0	7,34	1,0	**71**	41007717	**10,4**	12,0	10,44	1,0	**71**
41007093	**2,2**	3,2	2,23	0,5	**100**	41007305	**4,7**	6,0	4,73	0,5	**71**	41007517	**7,4**	9,0	7,44	1,0	**71**	41007721	**10,5**	13,0	10,54	1,0	**71**
41007097	**2,3**	3,5	2,33	0,5	**71**	41007309	**4,7**	6,0	4,73	0,5	**100**	41007521	**7,5**	10,0	7,54	1,0	**71**	41007725	**10,5**	13,0	10,54	1,0	**80**
41007101	**2,3**	3,5	2,33	0,5	**100**	41007313	**4,8**	6,0	4,83	0,5	**71**	41007525	**7,5**	10,0	7,54	1,0	**100**	41007729	**10,5**	13,0	10,54	1,0	**100**
41007105	**2,4**	3,5	2,43	0,5	**100**	41007317	**4,8**	6,0	4,83	0,5	**100**	41007529	**7,6**	10,0	7,64	1,0	**71**	41007733	**10,6**	13,0	10,64	1,0	**71**
41007109	**2,5**	3,5	2,53	0,5	**71**	41007321	**4,9**	6,0	4,93	0,5	**71**	41007533	**7,6**	10,0	7,64	1,0	**100**	41007737	**10,7**	13,0	10,74	1,0	**71**
41007113	**2,5**	3,5	2,53	0,5	**100**	41007325	**4,9**	6,0	4,93	0,5	**100**	41007537	**7,7**	10,0	7,74	1,0	**71**	41007741	**10,8**	13,0	10,84	1,0	**71**
41007117	**2,6**	4,0	2,63	0,5	**71**	41007329	**5,0**	6,5	5,03	0,5	**71**	41007539	**7,7**	10,0	7,74	1,0	**100**	41007745	**10,9**	13,0	10,94	1,0	**71**
41007121	**2,6**	4,0	2,63	0,5	**100**	41007333	**5,0**	6,5	5,03	0,5	**80**	41007541	**7,8**	10,0	7,84	1,0	**71**	41007751	**11,0**	13,0	11,04	1,0	**71**
41007125	**2,7**	4,0	2,73	0,5	**71**	41007337	**5,0**	6,5	5,03	0,5	**100**	41007545	**7,8**	10,0	7,84	1,0	**100**	41007757	**11,0**	13,0	11,04	1,0	**100**
41007129	**2,7**	4,0	2,73	0,5	**100**	41007341	**5,1**	6,5	5,13	0,5	**71**	41007549	**7,9**	10,0	7,94	1,0	**71**	41007763	**11,5**	14,0	11,54	1,0	**100**
41007133	**2,8**	4,0	2,83	0,5	**71**	41007345	**5,1**	6,5	5,13	0,5	**100**	41007553	**7,9**	10,0	7,94	1,0	**100**	41007769	**12,0**	14,0	12,04	1,0	**71**
41007137	**2,8**	4,0	2,83	0,5	**100**	41007349	**5,2**	6,5	5,23	0,5	**100**	41007557	**8,0**	10,0	8,04	1,0	**71**	41007775	**12,0**	14,0	12,04	1,0	**80**
41007141	**2,9**	4,0	2,93	0,5	**71**	41007353	**5,3**	6,5	5,33	0,5	**71**	41007561	**8,0**	10,0	8,04	1,0	**80**	41007781	**12,0**	14,0	12,04	1,0	**100**
41007145	**2,9**	4,0	2,93	0,5	**100**	41007357	**5,3**	6,5	5,33	0,5	**100**	41007565	**8,0**	10,0	8,04	1,0	**100**	41007787	**12,5**	15,0	12,54	1,0	**100**
41007149	**3,0**	4,5	3,03	0,5	**71**	41007361	**5,4**	6,5	5,43	0,5	**71**	41007569	**8,1**	10,0	8,14	1,0	**71**	41007793	**13,0**	15,0	13,04	1,0	**100**
41007153	**3,0**	4,5	3,03	0,5	**80**	41007365	**5,4**	6,5	5,43	0,5	**100**	41007573	**8,1**	10,0	8,14	1,0	**100**	41007799	**13,5**	16,0	13,54	1,5	**100**
41007157	**3,0**	4,5	3,03	0,5	**100**	41007369	**5,5**	7,0	5,53	0,5	**71**	41007577	**8,2**	10,0	8,24	1,0	**71**	41007805	**14,0**	16,0	14,04	1,5	**71**
41007165	**3,1**	4,5	3,13	0,5	**71**	41007373	**5,5**	7,0	5,53	0,5	**100**	41007581	**8,2**	10,0	8,24	1,0	**100**	41007811	**14,0**	16,0	14,04	1,5	**80**
41007169	**3,1**	4,5	3,13	0,5	**100**	41007377	**5,6**	7,0	5,63	0,5	**71**	41007585	**8,3**	10,0	8,34	1,0	**71**	41007817	**14,0**	16,0	14,04	1,5	**100**
41007173	**3,2**	4,5	3,23	0,5	**71**	41007381	**5,6**	7,0	5,63	0,5	**100**	41007589	**8,3**	10,0	8,34	1,0	**100**	41007823	**14,5**	17,0	14,54	1,5	**100**
41007177	**3,2**	4,5	3,23	0,5	**100**	41007385	**5,7**	7,0	5,73	0,5	**71**	41007593	**8,4**	10,0	8,44	1,0	**71**	41007829	**15,0**	17,0	15,04	1,5	**71**
41007181	**3,3**	4,5	3,33	0,5	**71**	41007389	**5,7**	7,0	5,73	0,5	**100**	41007597	**8,4**	10,0	8,44	1,0	**100**	41007835	**15,0**	17,0	15,04	1,5	**100**
41007185	**3,3**	4,5	3,33	0,5	**100**	41007393	**5,8**	7,0	5,83	0,5	**71**	41007601	**8,5**	11,0	8,54	1,0	**71**	41007841	**15,5**	18,0	15,54	1,5	**100**
41007189	**3,4**	4,5	3,43	0,5	**71**	41007397	**5,8**	7,0	5,83	0,5	**100**	41007605	**8,5**	11,0	8,54	1,0	**100**	41007847	**16,0**	18,0	16,04	1,5	**80**
41007193	**3,4**	4,5	3,43	0,5	**100**	41007405	**5,9**	7,0	5,93	0,5	**100**	41007609	**8,6**	11,0	8,64	1,0	**71**	41007853	**16,0**	18,0	16,04	1,5	**100**
41007197	**3,5**	5,0	3,53	0,5	**71**	41007413	**6,0**	8,0	6,03	0,5	**71**	41007613	**8,6**	11,0	8,64	1,0	**100**	41007859	**16,5**	19,0	16,54	1,5	**100**
41007201	**3,5**	5,0	3,53	0,5	**80**	41007417	**6,0**	8,0	6,03	0,5	**80**	41007617	**8,7**	11,0	8,74	1,0	**71**	41007865	**17,0**	19,0	17,04	1,5	**100**
41007205	**3,5**	5,0	3,53	0,5	**100**	41007421	**6,0**	8,0	6,03	0,5	**100**	41007621	**8,7**	11,0	8,74	1,0	**100**	41007867	**17,5**	20,0	17,54	1,5	**100**
41007209	**3,6**	5,0	3,63	0,5	**71**	41007425	**6,1**	8,0	6,13	0,5	**71**	41007625	**8,8**	11,0	8,84	1,0	**71**	41007871	**18,0**	20,0	18,04	1,5	**80**
41007213	**3,6**	5,0	3,63	0,5	**100**	41007429	**6,1**	8,0	6,13	0,5	**100**	41007629	**8,8**	11,0	8,84	1,0	**100**	41007877	**18,0**	20,0	18,04	1,5	**100**
41007217	**3,7**	5,0	3,73	0,5	**71**	41007433	**6,2**	8,0	6,23	0,5	**71**	41007633	**8,9**	11,0	8,94	1,0	**71**	41007883	**19,0**	21,0	19,04	1,5	**80**
41007221	**3,7**	5,0	3,73	0,5	**100**	41007437	**6,2**	8,0	6,23	0,5	**100**	41007637	**9,0**	11,0	9,04	1,0	**71**	41007889	**19,0**	21,0	19,04	1,5	**100**
41007225	**3,8**	5,0	3,83	0,5	**71**	41007441	**6,3**	8,0	6,33	0,5	**71**	41007641	**9,0**	11,0	9,04	1,0	**100**	41007895	**20,0**	22,0	20,04	1,5	**100**

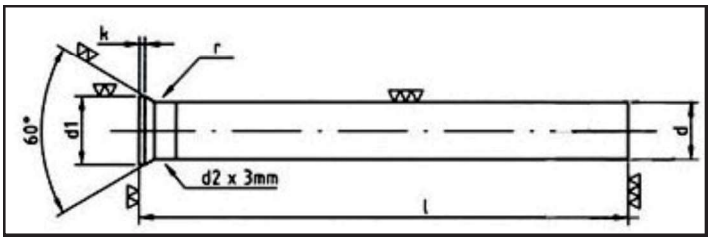
Vuoi sapere un prezzo?
VAI SUL SITO WWW.GNUTTIBORTOLO.COM E ISCRIVITI AL SITO RICHIEDENDO L'ABILITAZIONE ALLA VISUALIZZAZIONE DEL LISTINO E DELLA DISPONIBILITA' IMMEDIATA DI MAGAZZINO!!

Punzone a testa svasata DIN 9861 DA, HWS
Punch with countersunk head DIN 9861 DA, HWS

ART. 41011 GnuBo

Descrizione:
Punzone a testa svasata DIN 9861 DA. Materiale acciaio al cromo HWS 1.2080. Durezza HRC 61 - 63.

Punch with countersunk head DIN 9861 DA. Material chromium steel HWS 1.2080. Hardness HRC 61 - 63.



ART. 41011

Dati tecnici / Technical data

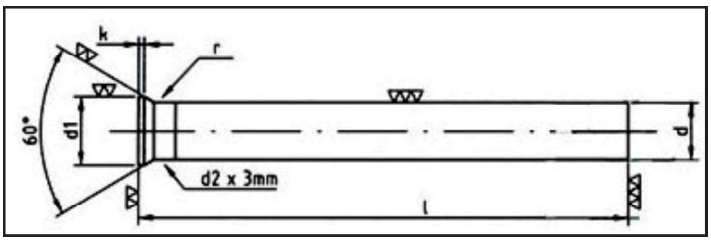
cod. code	d h6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]	cod. code	d h6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]	cod. code	d h6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]
41011032	**2,0**	3,0	2,03	0,5	**71**	41011298	**4,0**	5,5	4,03	0,5	**100**	41011564	**6,5**	9,0	6,54	1,0	**100**
41011051	**2,0**	3,0	2,03	0,5	**100**	41011317	**4,0**	5,5	4,03	0,5	**125**	41011583	**7,0**	9,0	7,04	1,0	**71**
41011070	**2,5**	3,5	2,53	0,5	**71**	41011336	**4,5**	6,0	4,53	0,5	**71**	41011602	**7,0**	9,0	7,04	1,0	**100**
41011089	**2,5**	3,5	2,53	0,5	**100**	41011345	**4,5**	6,0	4,53	0,5	**80**	41011621	**7,5**	10,0	7,54	1,0	**100**
41011108	**3,0**	4,5	3,03	0,5	**71**	41011355	**4,5**	6,0	4,53	0,5	**100**	41011640	**8,0**	10,0	8,04	1,0	**100**
41011127	**3,0**	4,5	3,03	0,5	**80**	41011393	**5,0**	6,5	5,03	0,5	**80**	41011659	**8,0**	10,0	8,04	1,0	**125**
41011146	**3,0**	4,5	3,03	0,5	**100**	41011412	**5,0**	6,5	5,03	0,5	**100**	41011697	**8,5**	11,0	8,54	1,0	**71**
41011165	**3,0**	4,5	3,03	0,5	**125**	41011431	**5,0**	6,5	5,03	0,5	**125**	41011716	**8,5**	11,0	8,54	1,0	**100**
41011184	**3,1**	4,5	3,13	0,5	**71**	41011450	**5,5**	7,0	5,53	0,5	**71**	41011735	**9,0**	11,0	9,04	1,0	**71**
41011203	**3,2**	4,5	3,23	0,5	**71**	41011469	**5,5**	7,0	5,53	0,5	**100**	41011754	**9,0**	11,0	9,04	1,0	**100**
41011222	**3,5**	5,0	3,53	0,5	**71**	41011488	**6,0**	8,0	6,03	0,5	**80**	41011773	**9,5**	12,0	9,54	1,0	**100**
41011241	**3,5**	5,0	3,53	0,5	**100**	41011507	**6,0**	8,0	6,03	0,5	**100**	41011792	**10,0**	12,0	10,04	1,0	**100**
41011260	**4,0**	5,5	4,03	0,5	**71**	41011526	**6,0**	8,0	6,03	0,5	**125**	41011811	**10,0**	12,0	10,04	1,0	**125**
41011279	**4,0**	5,5	4,03	0,5	**80**	41011545	**6,5**	9,0	6,54	1,0	**71**	41011893	**12,0**	14,0	12,04	1,0	**100**

Punzone a testa svasata DIN 9861 DA, HSS
Punch with countersunk head DIN 9861 DA, HSS

ART. 41015 GnuBo

Descrizione:
Punzone a testa svasata DIN 9861 DA. Materiale acciaio superrapido HSS 1.3343.
Durezza HRC 61 - 63.

Punch with countersunk head DIN 9861 DA. Material high speed steel HSS 1.3343. Hardness HRC 61 - 63.



ART. 41015

Dati tecnici / Technical data

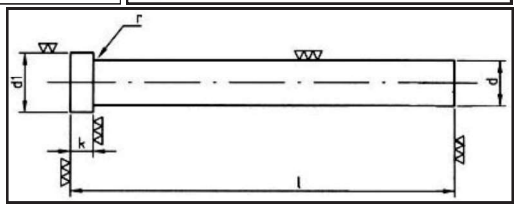
cod. code	d h6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]	cod. code	d h6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]	cod. code	d h6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]
41015032	**2,6**	4,0	2,63	0,5	**100**	41015241	**5,0**	6,5	5,03	0,5	**100**	41015545	**8,2**	10,0	8,24	1,0	**100**
41015051	**3,0**	4,5	3,03	0,5	**100**	41015260	**5,0**	6,5	5,03	0,5	**125**	41015564	**8,3**	10,0	8,34	1,0	**100**
41051055	**3,0**	4,5	3,03	0,5	**125**	41015279	**5,1**	6,5	5,13	0,5	**100**	41015583	**8,5**	11,0	8,54	1,0	**100**
41015070	**3,1**	4,5	3,13	0,5	**100**	41015298	**5,2**	6,5	5,23	0,5	**100**	41015602	**8,7**	11,0	8,74	1,0	**100**
41015089	**3,2**	4,5	3,23	0,5	**100**	41015317	**5,5**	7,0	5,53	0,5	**100**	41015621	**9,0**	11,0	9,04	1,0	**100**
41015108	**3,5**	5,0	3,53	0,5	**100**	41015334	**6,0**	8,0	6,03	0,5	**71**	41015640	**9,5**	12,0	9,54	1,0	**100**
41015127	**3,7**	5,0	3,73	0,5	**100**	41015336	**6,0**	8,0	6,03	0,5	**100**	41015659	**10,0**	12,0	10,04	1,0	**100**
41015146	**3,9**	5,0	3,93	0,5	**100**	41015355	**6,0**	8,0	6,03	0,5	**125**	41015678	**10,0**	12,0	10,04	1,0	**125**
41015160	**4,0**	5,5	4,03	0,5	**71**	41015374	**6,2**	8,0	6,23	0,5	**100**	41015697	**10,5**	13,0	10,54	1,0	**100**
41015163	**4,0**	5,5	4,03	0,5	**80**	41015393	**6,3**	8,0	6,33	0,5	**100**	41015716	**11,0**	13,0	11,04	1,0	**100**
41015165	**4,0**	5,5	4,03	0,5	**100**	41015412	**6,5**	9,0	6,54	1,0	**100**	41015753	**12,0**	14,0	12,04	1,0	**100**
41015184	**4,0**	5,5	4,03	0,5	**125**	41015431	**6,7**	9,0	6,74	1,0	**100**	41015790	**12,0**	14,0	12,04	1,0	**125**
41015190	**4,2**	5,5	4,23	0,5	**100**	41015450	**6,9**	9,0	6,94	1,0	**100**	41015827	**12,5**	15,0	12,54	1,0	**100**
41015203	**4,5**	6,0	4,53	0,5	**100**	41015469	**7,0**	9,0	7,04	1,0	**100**	41015864	**13,0**	15,0	13,04	1,0	**100**
41015222	**4,6**	6,0	4,63	0,5	**100**	41015488	**7,5**	10,0	7,54	1,0	**100**	41015901	**14,0**	16,0	14,04	1,5	**100**
41015238	**5,0**	6,5	5,03	0,5	**71**	41015507	**8,0**	10,0	8,04	1,0	**100**	41015938	**16,0**	18,0	16,04	1,5	**100**
41015240	**5,0**	6,5	5,03	0,5	**80**	41015526	**8,0**	10,0	8,04	1,0	**125**						

Punzone a testa cilindrica tipo D, HWS
Punch with cylindrical head type D, HWS

ART. 41041 GnuBo

Descrizione:
Punzone a testa cilindrica tipo D.
Materiale acciaio al cromo HWS 1.2080.
Durezza HRC 61 - 63.

Punch with cylindrical head type D.
Material chromium steel HWS 1.2080.
Hardness HRC 61 - 63.

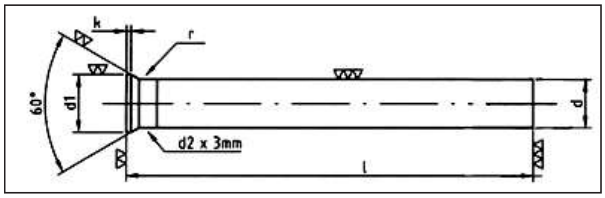


ART. 41041
Dati tecnici / Technical data

cod. code	d h6 [mm]	d1 [mm]	k [mm]	l [mm]
41041030	**3,0**	5	3	**100**
41041040	**4,0**	6	3	**100**
41041050	**5,0**	8	5	**100**
41041060	**6,0**	9	5	**100**

Estrattore a testa svasata DIN 1530 DA, WS
Ejector pin with countersunk head DIN 1530 DA, WS

ART. 41067 GnuBo



Descrizione:
Estrattore a testa svasata DIN 1530 DA. Materiale acciaio da utensili WS 1.2067.
Durezza HRC 58 - 62.

Ejector pin with countersunk head DIN 1530 DA. Material tool steel WS 1.2067.
Hardness HRC 58 - 62.

ART. 41067
Dati tecnici / Technical data

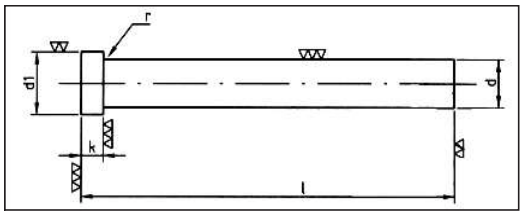
cod. code	d g6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]	cod. code	d g6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]	cod. code	d g6 [mm]	d1 [mm]	d2 [mm]	k [mm]	l [mm]
41067032	**2,0**	3,0	0,5	0,3	**125**	41067240	**5,5**	7,0	0,5	5,53	**160**	41067448	**8,8**	11,0	1,0	8,83	**160**
41067036	**2,0**	3,0	0,5	0,3	**160**	41067244	**5,5**	7,0	0,5	5,53	**200**	41067452	**8,9**	11,0	1,0	8,93	**160**
41067040	**2,0**	3,0	0,5	0,3	**200**	41067248	**5,5**	7,0	0,5	5,53	**250**	41067456	**9,0**	11,0	1,0	9,03	**125**
41067044	**2,5**	3,5	0,5	0,3	**125**	41067252	**5,6**	7,0	0,5	5,63	**160**	41067460	**9,0**	11,0	1,0	9,03	**160**
41067048	**2,5**	3,5	0,5	0,3	**160**	41067256	**5,7**	7,0	0,5	5,73	**160**	41067464	**9,0**	11,0	1,0	9,03	**200**
41067052	**2,5**	3,5	0,5	0,3	**200**	41067260	**5,8**	7,0	0,5	5,83	**160**	41067468	**9,0**	11,0	1,0	9,03	**250**
41067056	**2,5**	3,5	0,5	0,3	**250**	41067264	**5,9**	7,0	0,5	5,93	**160**	41067472	**9,1**	11,0	1,0	9,13	**160**
41067060	**2,6**	4,0	0,5	0,3	**160**	41067268	**6,0**	8,0	0,5	6,03	**125**	41067476	**9,2**	11,0	1,0	9,23	**160**
41067064	**2,7**	4,0	0,5	0,3	**160**	41067272	**6,0**	8,0	0,5	6,03	**160**	41067480	**9,3**	11,0	1,0	9,33	**160**
41067068	**2,8**	4,0	0,5	0,3	**125**	41067276	**6,0**	8,0	0,5	6,03	**200**	41067484	**9,4**	11,0	1,0	9,43	**160**
41067072	**2,9**	4,0	0,5	0,3	**160**	41067280	**6,0**	8,0	0,5	6,03	**250**	41067488	**9,5**	12,0	1,0	9,53	**160**
41067076	**3,0**	4,5	0,5	0,3	**125**	41067284	**6,1**	8,0	0,5	6,13	**160**	41067492	**9,5**	12,0	1,0	9,53	**200**
41067080	**3,0**	4,5	0,5	0,3	**160**	41067288	**6,2**	8,0	0,5	6,23	**160**	41067496	**9,6**	12,0	1,0	9,63	**160**
41067084	**3,0**	4,5	0,5	0,3	**200**	41067292	**6,3**	8,0	0,5	6,33	**160**	41067500	**9,7**	12,0	1,0	9,73	**160**
41067088	**3,0**	4,5	0,5	0,3	**250**	41067296	**6,4**	8,0	0,5	6,43	**160**	41067504	**9,8**	12,0	1,0	9,83	**160**
41067092	**3,1**	4,5	0,5	0,3	**160**	41067300	**6,5**	9,0	1,0	6,53	**125**	41067508	**9,9**	12,0	1,0	9,93	**160**
41067096	**3,2**	4,5	0,5	0,3	**160**	41067304	**6,5**	9,0	1,0	6,53	**160**	41067512	**10,0**	12,0	1,0	10,03	**125**
41067100	**3,3**	4,5	0,5	0,3	**160**	41067308	**6,5**	9,0	1,0	6,53	**200**	41067516	**10,0**	12,0	1,0	10,03	**160**
41067104	**3,4**	4,5	0,5	0,3	**160**	41067312	**6,5**	9,0	1,0	6,53	**250**	41067520	**10,0**	12,0	1,0	10,03	**200**
41067108	**3,5**	5,0	0,5	0,3	**125**	41067316	**6,6**	9,0	1,0	6,63	**160**	41067524	**10,0**	12,0	1,0	10,03	**250**
41067112	**3,5**	5,0	0,5	0,3	**160**	41067320	**6,7**	9,0	1,0	6,73	**160**	41067533	**10,5**	13,0	1,0	10,54	**160**
41067116	**3,5**	5,0	0,5	0,3	**200**	41067324	**6,8**	9,0	1,0	6,83	**160**	41067542	**10,5**	13,0	1,0	10,54	**200**
41067120	**3,5**	5,0	0,5	0,3	**250**	41067328	**6,9**	9,0	1,0	6,93	**160**	41067551	**11,0**	13,0	1,0	11,04	**125**
41067124	**3,6**	5,0	0,5	0,3	**160**	41067332	**7,0**	9,0	1,0	7,03	**125**	41067560	**11,0**	13,0	1,0	11,04	**160**
41067128	**3,7**	5,0	0,5	0,3	**160**	41067336	**7,0**	9,0	1,0	7,03	**160**	41067569	**11,0**	13,0	1,0	11,04	**200**
41067134	**3,8**	5,0	0,5	0,3	**160**	41067340	**7,0**	9,0	1,0	7,03	**200**	41067578	**11,0**	13,0	1,0	11,04	**250**
41067136	**3,9**	5,0	0,5	0,3	**160**	41067344	**7,0**	9,0	1,0	7,03	**250**	41067587	**11,5**	14,0	1,0	11,54	**160**
41067140	**4,0**	5,5	0,5	0,3	**125**	41067348	**7,1**	9,0	1,0	7,13	**160**	41067596	**11,5**	14,0	1,0	11,54	**200**
41067144	**4,0**	5,5	0,5	0,3	**160**	41067352	**7,2**	9,0	1,0	7,23	**160**	41067605	**12,0**	14,0	1,0	12,04	**125**
41067148	**4,0**	5,5	0,5	0,3	**200**	41067356	**7,3**	9,0	1,0	7,33	**160**	41067614	**12,0**	14,0	1,0	12,04	**160**
41067152	**4,0**	5,5	0,5	0,3	**250**	41067360	**7,4**	9,0	1,0	7,43	**160**	41067623	**12,0**	14,0	1,0	12,04	**200**
41067156	**4,1**	5,5	0,5	0,3	**160**	41067364	**7,5**	10,0	1,0	7,53	**125**	41067632	**12,0**	14,0	1,0	12,04	**250**
41067160	**4,2**	5,5	0,5	0,3	**160**	41067368	**7,5**	10,0	1,0	7,53	**160**	41067641	**12,5**	15,0	1,0	12,54	**160**
41067164	**4,3**	5,5	0,5	0,3	**160**	41067372	**7,5**	10,0	1,0	7,53	**200**	41067650	**12,5**	15,0	1,0	12,54	**200**
41067168	**4,4**	5,5	0,5	0,3	**160**	41067376	**7,6**	10,0	1,0	7,63	**160**	41067659	**12,5**	15,0	1,0	12,54	**250**
41067172	**4,5**	6,0	0,5	0,3	**125**	41067380	**7,7**	10,0	1,0	7,73	**160**	41067668	**13,0**	15,0	1,0	13,04	**160**
41067176	**4,5**	6,0	0,5	0,3	**160**	41067384	**7,8**	10,0	1,0	7,83	**160**	41067677	**13,0**	15,0	1,0	13,04	**200**
41067180	**4,5**	6,0	0,5	0,3	**200**	41067388	**7,9**	10,0	1,0	7,93	**160**	41067686	**14,0**	16,0	1,0	14,04	**125**
41067184	**4,6**	6,0	0,5	0,3	**160**	41067392	**8,0**	10,0	1,0	8,03	**125**	41067695	**14,0**	16,0	1,0	14,04	**160**
41067188	**4,7**	6,0	0,5	0,3	**160**	41067396	**8,0**	10,0	1,0	8,03	**160**	41067704	**14,0**	16,0	1,0	14,04	**200**
41067192	**4,8**	6,0	0,5	0,3	**125**	41067400	**8,0**	10,0	1,0	8,03	**200**	41067713	**14,0**	16,0	1,0	14,04	**250**
41067196	**4,8**	6,0	0,5	0,3	**160**	41067404	**8,0**	10,0	1,0	8,03	**250**	41067722	**15,0**	17,0	1,5	15,04	**160**
41067200	**4,9**	6,0	0,5	0,3	**160**	41067412	**8,1**	10,0	1,0	8,13	**160**	41067731	**15,0**	17,0	1,5	15,04	**200**
41067204	**5,0**	6,5	0,5	0,3	**125**	41067416	**8,2**	10,0	1,0	8,23	**160**	41067740	**16,0**	18,0	1,5	16,04	**125**
41067208	**5,0**	6,5	0,5	0,3	**160**	41067420	**8,3**	10,0	1,0	8,33	**125**	41067749	**16,0**	18,0	1,5	16,04	**160**
41067212	**5,0**	6,5	0,5	0,3	**200**	41067421	**8,3**	10,0	1,0	8,33	**160**	41067767	**16,0**	18,0	1,5	16,04	**200**
41067216	**5,0**	6,5	0,5	0,3	**250**	41067424	**8,4**	10,0	1,0	8,43	**160**	41067776	**16,0**	18,0	1,5	16,04	**250**
41067220	**5,1**	6,5	0,5	0,3	**160**	41067428	**8,5**	11,0	1,0	8,53	**125**	41067785	**18,0**	20,0	1,5	18,04	**125**
41067224	**5,2**	6,5	0,5	0,3	**160**	41067432	**8,5**	11,0	1,0	8,53	**160**	41067794	**18,0**	20,0	1,5	18,04	**160**
41067228	**5,2**	6,5	0,5	0,3	**160**	41067436	**8,5**	11,0	1,0	8,53	**200**	41067803	**18,0**	20,0	1,5	18,04	**200**
41067232	**5,4**	6,5	0,5	0,3	**160**	41067440	**8,6**	11,0	1,0	8,63	**160**	41067812	**20,0**	22,0	1,5	20,04	**160**
41067236	**5,5**	7,0	0,5	0,5	**125**	41067444	**8,7**	11,0	1,0	8,73	**160**	41067821	**20,0**	22,0	1,5	20,04	**200**

Estrattore a testa cilindrica DIN 1530 AH, temprato
Ejector pin with cylindrical head DIN 1530 AH, hardened

ART. 41087 GnuBo

Descrizione:
Estrattore a testa cilindrica DIN 1530 AH.
Materiale acciaio da utensili 1.2067 temprato.
Durezza HRC 58 - 62.

Ejector pin with cylindrical head DIN 1530 AH.
Material hardened tool steel 1.2067. Hardness HRC 58 - 62.



ART. 41087

Dati tecnici / Technical data

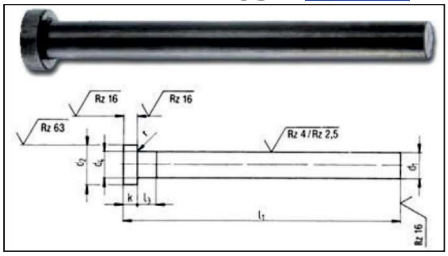
cod. code	d g6 [mm]	d1 [mm]	k [mm]	l [mm]
41087030	**3**	6	3	**100**
41087035	**3,5**	6	3	**125**
41087040	**4**	8	3	**100**
41087045	**4,5**	8	3	**125**
41087050	**5**	10	3	**125**
41087055	**5,5**	10	3	**125**
41087060	**6**	12	5	**125**
41087065	**6,5**	12	5	**125**
41087080	**8**	14	5	**125**
41087085	**8,5**	14	5	**125**
41087100	**10**	16	5	**125**
41087105	**10,5**	16	7	**125**

Estrattore a testa cilindrica DIN 1530 A, nitrurato a bagno
Ejector pin with cylindrical head DIN 1530 A, bath nitrided

ART. 41091 GnuBo

Descrizione:
Estrattore a testa cilindrica DIN 1530 A. Materiale acciaio da utensili 1.2344 nitrurato a bagno (nero). Durezza superficiale HV 950 (HRC 67).

Ejector pin with cylindrical head DIN 1530 A. Material bath nitrided (black) tool steel 1.2344. Surface hardness HV 950 (HRC 67).



ART. 41091

Dati tecnici / Technical data

cod. code	d_1 g6 [mm]	d_2 0 -2 [mm]	d_4 [mm]	k 0 -0,05 [mm]	r +0,2 0 [mm]	l_1 +2 0 [mm]	l_3 [mm]
41091007	**1,5**	3	1,53	1,5	0,2	**125**	5
41091010	**1,5**	3	1,53	1,5	0,2	**200**	5
41091013	**2,0**	4	2,03	2	0,2	**100**	5
41091016	**2,0**	4	2,03	2	0,2	**125**	5
41091019	**2,0**	4	2,03	2	0,2	**160**	5
41091022	**2,0**	4	2,03	2	0,2	**200**	5
41091025	**2,1**	4	2,13	2	0,2	**160**	5
41091028	**2,2**	4	2,23	2	0,2	**100**	5
41091031	**2,2**	4	2,23	2	0,2	**160**	5
41091034	**2,2**	4	2,23	2	0,2	**200**	5
41091043	**2,5**	5	2,53	2	0,3	**100**	5
41091046	**2,5**	5	2,53	2	0,3	**125**	5
41091049	**2,5**	5	2,53	2	0,3	**160**	5
41091052	**2,5**	5	2,53	2	0,3	**200**	5
41091055	**2,6**	5	2,63	2	0,3	**200**	5
41091058	**2,7**	5	2,73	2	0,3	**100**	5
41091061	**3,0**	6	3,03	3	0,3	**100**	5
41091064	**3,0**	6	3,03	3	0,3	**125**	5
41091067	**3,0**	6	3,03	3	0,3	**160**	5
41091070	**3,0**	6	3,03	3	0,3	**200**	5
41091073	**3,0**	6	3,03	3	0,3	**250**	5
41091076	**3,0**	6	3,03	3	0,3	**315**	5
41091079	**3,0**	6	3,03	3	0,3	**400**	5
41091082	**3,1**	6	3,13	3	0,3	**100**	5
41091085	**3,1**	6	3,13	3	0,3	**160**	5
41091088	**3,1**	6	3,13	3	0,3	**200**	5
41091091	**3,1**	6	3,13	3	0,3	**250**	5
41091094	**3,2**	6	3,23	3	0,3	**100**	5
41091097	**3,2**	6	3,23	3	0,3	**160**	5
41091100	**3,2**	6	3,23	3	0,3	**200**	5
41091103	**3,2**	6	3,23	3	0,3	**250**	5
41091106	**3,3**	6	3,33	3	0,3	**160**	5
41091109	**3,3**	6	3,33	3	0,3	**250**	5
41091112	**3,4**	6	3,43	3	0,3	**160**	5
41091115	**3,4**	6	3,43	3	0,3	**250**	5
41091118	**3,5**	7	3,53	3	0,3	**100**	5
41091121	**3,5**	7	3,53	3	0,3	**125**	5
41091124	**3,5**	7	3,53	3	0,3	**160**	5
41091127	**3,5**	7	3,53	3	0,3	**200**	5
41091130	**3,5**	7	3,53	3	0,3	**250**	5
41091133	**3,5**	7	3,53	3	0,3	**315**	5
41091136	**3,6**	7	3,63	3	0,3	**160**	5
41091139	**3,7**	7	3,73	3	0,3	**100**	5
41091142	**3,7**	7	3,73	3	0,3	**200**	5
41091145	**3,8**	7	3,83	3	0,3	**160**	5
41091148	**4,0**	8	4,03	3	0,3	**100**	5
41091151	**4,0**	8	4,03	3	0,3	**125**	5
41091154	**4,0**	8	4,03	3	0,3	**160**	5
41091157	**4,0**	8	4,03	3	0,3	**200**	5
41091160	**4,0**	8	4,03	3	0,3	**250**	5
41091163	**4,0**	8	4,03	3	0,3	**315**	5
41091166	**4,0**	8	4,03	3	0,3	**400**	5
41091169	**4,1**	8	4,13	3	0,3	**100**	5
41091172	**4,1**	8	4,13	3	0,3	**125**	5
41091175	**4,1**	8	4,13	3	0,3	**160**	5
41091178	**4,1**	8	4,13	3	0,3	**250**	5
41091181	**4,2**	8	4,23	3	0,3	**100**	5
41091184	**4,2**	8	4,23	3	0,3	**160**	5
41091187	**4,2**	8	4,23	3	0,3	**200**	5
41091190	**4,2**	8	4,23	3	0,3	**250**	5
41091193	**4,2**	8	4,23	3	0,3	**400**	5
41091196	**4,3**	8	4,33	3	0,3	**160**	5
41091199	**4,3**	8	4,33	3	0,3	**250**	5
41091202	**4,5**	8	4,53	3	0,3	**100**	5
41091205	**4,5**	8	4,53	3	0,3	**125**	5
41091208	**4,5**	8	4,53	3	0,3	**160**	5
41091211	**4,5**	8	4,53	3	0,3	**200**	5
41091214	**4,5**	8	4,53	3	0,3	**250**	5
41091217	**4,5**	8	4,53	3	0,3	**315**	5
41091220	**4,6**	8	4,63	3	0,3	**200**	5
41091223	**4,7**	8	4,73	3	0,3	**160**	5
41091226	**4,8**	8	4,83	3	0,3	**160**	5
41091229	**4,9**	8	4,93	3	0,3	**160**	5
41091232	**5,0**	10	5,03	3	0,3	**100**	5
41091235	**5,0**	10	5,03	3	0,3	**125**	5
41091238	**5,0**	10	5,03	3	0,3	**160**	5
41091241	**5,0**	10	5,03	3	0,3	**200**	5
41091244	**5,0**	10	5,03	3	0,3	**250**	5
41091247	**5,0**	10	5,03	3	0,3	**315**	5
41091250	**5,0**	10	5,03	3	0,3	**400**	5
41091253	**5,0**	10	5,03	3	0,3	**500**	5
41091256	**5,1**	10	5,13	3	0,3	**100**	5
41091259	**5,1**	10	5,13	3	0,3	**160**	5
41091262	**5,1**	10	5,13	3	0,3	**250**	5
41091265	**5,2**	10	5,23	3	0,3	**100**	5
41091268	**5,2**	10	5,23	3	0,3	**160**	5
41091271	**5,2**	10	5,23	3	0,3	**200**	5
41091274	**5,2**	10	5,23	3	0,3	**250**	5
41091276	**5,2**	10	5,23	3	0,3	**315**	5
41091277	**5,2**	10	5,23	3	0,3	**400**	5
41091280	**5,3**	10	5,33	3	0,3	**160**	5
41091283	**5,3**	10	5,33	3	0,3	**200**	5
41091286	**5,3**	10	5,33	3	0,3	**250**	5
41091289	**5,4**	10	5,43	3	0,3	**160**	5
41091292	**5,4**	10	5,43	3	0,3	**250**	5
41091295	**5,5**	10	5,53	3	0,3	**100**	6
41091298	**5,5**	10	5,53	3	0,3	**160**	6
41091301	**5,5**	10	5,53	3	0,3	**200**	6
41091304	**5,5**	10	5,53	3	0,3	**250**	6
41091307	**5,5**	10	5,53	3	0,3	**315**	6
41091310	**5,5**	10	5,53	3	0,3	**400**	6
41091313	**5,5**	10	5,53	3	0,3	**500**	6
41091319	**5,8**	10	5,83	3	0,3	**160**	6
41091322	**5,9**	10	5,93	3	0,3	**160**	6
41091325	**6,0**	12	6,03	5	0,5	**100**	6
41091328	**6,0**	12	6,03	5	0,5	**125**	6
41091331	**6,0**	12	6,03	5	0,5	**160**	6
41091334	**6,0**	12	6,03	5	0,5	**200**	6
41091337	**6,0**	12	6,03	5	0,5	**250**	6
41091340	**6,0**	12	6,03	5	0,5	**315**	6
41091343	**6,0**	12	6,03	5	0,5	**400**	6
41091346	**6,0**	12	6,03	5	0,5	**500**	6
41091349	**6,1**	12	6,13	5	0,5	**160**	6
41091352	**6,1**	12	6,13	5	0,5	**200**	6
41091358	**6,2**	12	6,23	5	0,5	**100**	6
41091361	**6,2**	12	6,23	5	0,5	**160**	6
41091364	**6,2**	12	6,23	5	0,5	**200**	6
41091367	**6,2**	12	6,23	5	0,5	**250**	6
41091370	**6,2**	12	6,23	5	0,5	**315**	6
41091373	**6,2**	12	6,23	5	0,5	**400**	6
41091376	**6,3**	12	6,33	5	0,5	**160**	6
41091382	**6,5**	12	6,53	5	0,5	**100**	8
41091385	**6,5**	12	6,53	5	0,5	**125**	8
41091388	**6,5**	12	6,53	5	0,5	**160**	8
41091391	**6,5**	12	6,53	5	0,5	**200**	8
41091394	**6,5**	12	6,53	5	0,5	**250**	8
41091397	**6,5**	12	6,53	5	0,5	**315**	8
41091400	**6,5**	12	6,53	5	0,5	**400**	8
41091403	**6,7**	12	6,73	5	0,5	**160**	8
41091407	**6,8**	12	6,83	5	0,5	**250**	8
41091409	**6,9**	12	6,93	5	0,5	**160**	8
41091412	**7,0**	12	7,03	5	0,5	**100**	8
41091415	**7,0**	12	7,03	5	0,5	**125**	8

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ART. 41091

Dati tecnici / Technical data

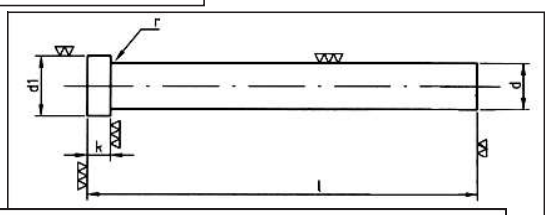
cod. code	d_1 g6 [mm]	d_2 0 -2 [mm]	d_4 [mm]	k 0 -0,05 [mm]	r +0,2 0 [mm]	l_1 +2 0 [mm]	l_3 [mm]	cod. code	d_1 g6 [mm]	d_2 0 -2 [mm]	d_4 [mm]	k 0 -0,05 [mm]	r +0,2 0 [mm]	l_1 +2 0 [mm]	l_3 [mm]	cod. code	d_1 g6 [mm]	d_2 0 -2 [mm]	d_4 [mm]	k 0 -0,05 [mm]	r +0,2 0 [mm]	l_1 +2 0 [mm]	l_3 [mm]
41091418	**7,0**	12	7,03	5	0,5	**160**	8	41091559	**9,0**	14	9,04	5	0,5	**200**	10	41091729	**12,0**	18	12,04	7	0,8	**160**	12
41091421	**7,0**	12	7,03	5	0,5	**200**	8	41091562	**9,0**	14	9,04	5	0,5	**250**	10	41091733	**12,0**	18	12,04	7	0,8	**200**	12
41091424	**7,0**	12	7,03	5	0,5	**250**	8	41091565	**9,0**	14	9,04	5	0,5	**315**	10	41091737	**12,0**	18	12,04	7	0,8	**250**	12
41091427	**7,0**	12	7,03	5	0,5	**315**	8	41091568	**9,0**	14	9,04	5	0,5	**400**	10	41091741	**12,0**	18	12,04	7	0,8	**315**	12
41091430	**7,0**	12	7,03	5	0,5	**400**	8	41091571	**9,0**	14	9,04	5	0,5	**500**	10	41091745	**12,0**	18	12,04	7	0,8	**400**	12
41091433	**7,0**	12	7,03	5	0,5	**500**	8	41091577	**9,1**	14	9,14	5	0,5	**160**	10	41091749	**12,0**	18	12,04	7	0,8	**500**	12
41091436	**7,0**	12	7,03	5	0,5	**630**	8	41091583	**9,1**	14	9,14	5	0,5	**250**	10	41091753	**12,0**	18	12,04	7	0,8	**630**	12
41091442	**7,1**	12	7,13	5	0,5	**160**	8	41091589	**9,2**	14	9,24	5	0,5	**160**	10	41091757	**12,0**	18	12,04	7	0,8	**800**	12
41091445	**7,1**	12	7,13	5	0,5	**250**	8	41091595	**9,2**	14	9,24	5	0,5	**250**	10	41091761	**12,5**	18	12,54	7	0,8	**100**	14
41091448	**7,2**	12	7,23	5	0,5	**160**	8	41091598	**9,5**	14	9,54	5	0,5	**160**	10	41091765	**12,5**	18	12,54	7	0,8	**125**	14
41091451	**7,2**	12	7,23	5	0,5	**250**	8	41091604	**9,5**	14	9,54	5	0,5	**250**	10	41091769	**12,5**	18	12,54	7	0,8	**160**	14
41091454	**7,5**	12	7,53	5	0,5	**160**	8	41091607	**10,0**	16	10,04	5	0,5	**100**	10	41091773	**12,5**	18	12,54	7	0,8	**200**	14
41091457	**7,5**	12	7,53	5	0,5	**200**	8	41091610	**10,0**	16	10,04	5	0,5	**125**	10	41091777	**12,5**	18	12,54	7	0,8	**315**	14
41091460	**7,5**	12	7,53	5	0,5	**250**	8	41091613	**10,0**	16	10,04	5	0,5	**160**	10	41091779	**13,0**	18	13,04	7	0,8	**100**	14
41091461	**7,5**	12	7,53	5	0,5	**315**	8	41091616	**10,0**	16	10,04	5	0,5	**200**	10	41091782	**14,0**	22	14,04	7	0,8	**100**	14
41091463	**8,0**	14	8,03	5	0,5	**100**	8	41091619	**10,0**	16	10,04	5	0,5	**250**	10	41091787	**14,0**	22	14,04	7	0,8	**125**	14
41091466	**8,0**	14	8,03	5	0,5	**125**	8	41091622	**10,0**	16	10,04	5	0,5	**315**	10	41091792	**14,0**	22	14,04	7	0,8	**160**	14
41091469	**8,0**	14	8,03	5	0,5	**160**	8	41091625	**10,0**	16	10,04	5	0,5	**400**	10	41091797	**14,0**	22	14,04	7	0,8	**200**	14
41091472	**8,0**	14	8,03	5	0,5	**200**	8	41091628	**10,0**	16	10,04	5	0,5	**500**	10	41091802	**14,0**	22	14,04	7	0,8	**250**	14
41091475	**8,0**	14	8,03	5	0,5	**250**	8	41091631	**10,0**	16	10,04	5	0,5	**630**	10	41091807	**14,0**	22	14,04	7	0,8	**315**	14
41091478	**8,0**	14	8,03	5	0,5	**315**	8	41091637	**10,1**	16	10,14	5	0,5	**250**	10	41091812	**14,0**	22	14,04	7	0,8	**400**	14
41091481	**8,0**	14	8,03	5	0,5	**400**	8	41091640	**10,2**	16	10,24	5	0,5	**100**	10	41091815	**14,0**	22	14,04	7	0,8	**500**	14
41091484	**8,0**	14	8,03	5	0,5	**500**	8	41091643	**10,2**	16	10,24	5	0,5	**160**	10	41091817	**16,0**	22	16,04	7	0,8	**100**	16
41091487	**8,0**	14	8,03	5	0,5	**630**	8	41091646	**10,2**	16	10,24	5	0,5	**200**	10	41091822	**16,0**	22	16,04	7	0,8	**125**	16
41091493	**8,1**	14	8,13	5	0,5	**160**	8	41091649	**10,2**	16	10,24	5	0,5	**250**	10	41091827	**16,0**	22	16,04	7	0,8	**160**	16
41091499	**8,1**	14	8,13	5	0,5	**250**	8	41091653	**10,5**	16	10,54	5	0,5	**100**	12	41091832	**16,0**	22	16,04	7	0,8	**200**	16
41091502	**8,1**	14	8,13	5	0,5	**315**	8	41091657	**10,5**	16	10,54	5	0,5	**125**	12	41091837	**16,0**	22	16,04	7	0,8	**250**	16
41091505	**8,2**	14	8,23	5	0,5	**100**	8	41091661	**10,5**	16	10,54	5	0,5	**160**	12	41091842	**16,0**	22	16,04	7	0,8	**315**	16
41091508	**8,2**	14	8,23	5	0,5	**160**	8	41091665	**10,5**	16	10,54	5	0,5	**200**	12	41091847	**16,0**	22	16,04	7	0,8	**400**	16
41091511	**8,2**	14	8,23	5	0,5	**200**	8	41091669	**10,5**	16	10,54	5	0,5	**250**	12	41091852	**16,0**	22	16,04	7	0,8	**500**	16
41091514	**8,2**	14	8,23	5	0,5	**250**	8	41091673	**10,5**	16	10,54	5	0,5	**315**	12	41091857	**16,0**	22	16,04	7	0,8	**630**	16
41091517	**8,2**	14	8,23	5	0,5	**315**	8	41091677	**10,5**	16	10,54	5	0,5	**400**	12	41091862	**18,0**	24	18,07	7	0,8	**160**	18
41091520	**8,2**	14	8,23	5	0,5	**400**	8	41091679	**10,5**	16	10,54	5	0,5	**500**	12	41091867	**18,0**	24	18,07	7	0,8	**200**	18
41091523	**8,3**	14	8,33	5	0,5	**160**	8	41091681	**11,0**	16	11,04	5	0,5	**100**	12	41091872	**18,0**	24	18,07	7	0,8	**250**	18
41091529	**8,5**	14	8,54	5	0,5	**100**	10	41091685	**11,0**	16	11,04	5	0,5	**125**	12	41091877	**18,0**	24	18,07	7	0,8	**315**	18
41091532	**8,5**	14	8,54	5	0,5	**160**	10	41091689	**11,0**	16	11,04	5	0,5	**160**	12	41091882	**18,0**	24	18,07	7	0,8	**400**	18
41091535	**8,5**	14	8,54	5	0,5	**200**	10	41091693	**11,0**	16	11,04	5	0,5	**200**	12	41091887	**20,0**	26	20,07	8	1,0	**160**	20
41091538	**8,5**	14	8,54	5	0,5	**250**	10	41091697	**11,0**	16	11,04	5	0,5	**250**	12	41091892	**20,0**	26	20,07	8	1,0	**200**	20
41091541	**8,5**	14	8,54	5	0,5	**315**	10	41091701	**11,0**	16	11,04	5	0,5	**315**	12	41091897	**20,0**	26	20,07	8	1,0	**250**	20
41091542	**8,5**	14	8,54	5	0,5	**400**	10	41091705	**11,0**	16	11,04	5	0,5	**500**	12	41091902	**20,0**	26	20,07	8	1,0	**315**	20
41091544	**8,5**	14	8,54	5	0,5	**500**	10	41091709	**11,5**	16	11,54	5	0,5	**160**	12	41091907	**20,0**	26	20,07	8	1,0	**400**	20
41091550	**9,0**	14	9,04	5	0,5	**100**	10	41091717	**11,5**	16	11,54	5	0,5	**400**	12	41091912	**20,0**	26	20,07	8	1,0	**500**	20
41091553	**9,0**	14	9,04	5	0,5	**125**	10	41091721	**12,0**	18	12,04	7	0,8	**100**	12	41091917	**20,0**	26	20,07	8	1,0	**630**	20
41091556	**9,0**	14	9,04	5	0,5	**160**	10	41091725	**12,0**	18	12,04	7	0,8	**125**	12	41091922	**25,0**	32	25,10	10	1,0	**500**	25

Estrattore a testa cilindrica DIN 1530, bonificato
Ejector pin with cylindrical head DIN 1530, hardened and tempered

ART. 41100

Descrizione:
Estrattore a testa cilindrica DIN 1530.
Materiale acciaio da utensili 1.2344 bonificato.
Durezza HRC 38 - 43.

Ejector pin with cylindrical head DIN 1530. Material hardened and tempered tool steel 1.2344. Hardness HRC 38 - 43.



ART. 41100

Dati tecnici / Technical data

cod. code	d g6 [mm]	d1 [mm]	k [mm]	l [mm]	cod. code	d g6 [mm]	d1 [mm]	k [mm]	l [mm]	cod. code	d g6 [mm]	d1 [mm]	k [mm]	l [mm]	cod. code	d g6 [mm]	d1 [mm]	k [mm]	l [mm]
41100120	**4,0**	8	3	**100**	41100264	**6,0**	12	5	**160**	41100381	**7,5**	14	5	**250**	41100519	**10,0**	16	5	**250**
41100124	**4,0**	8	3	**160**	41100279	**6,0**	12	5	**250**	41100390	**8,0**	14	5	**100**	41100540	**10,5**	17	6	**160**
41100134	**4,0**	8	3	**250**	41100306	**6,5**	12	5	**100**	41100394	**8,0**	14	5	**160**	41100547	**10,5**	17	6	**200**
41100176	**4,5**	8	3	**100**	41100309	**6,5**	12	5	**125**	41100404	**8,0**	14	5	**250**	41100578	**12,0**	18	7	**100**
41100184	**4,5**	8	3	**250**	41100314	**6,5**	12	5	**160**	41100432	**8,5**	14	5	**100**	41100583	**12,0**	18	7	**160**
41100194	**5,0**	10	3	**100**	41100324	**6,5**	12	5	**250**	41100439	**8,5**	14	5	**160**	41100589	**12,0**	18	7	**200**
41100199	**5,0**	10	3	**160**	41100340	**7,0**	12	5	**100**	41100449	**8,5**	14	5	**250**	41100595	**12,0**	18	7	**250**
41100209	**5,0**	10	3	**250**	41100344	**7,0**	12	5	**160**	41100470	**9,0**	14	5	**100**	41100607	**12,5**	18	7	**400**
41100224	**5,5**	10	3	**100**	41100354	**7,0**	12	5	**250**	41100474	**9,0**	14	5	**160**	41100640	**14,0**	22	7	**100**
41100229	**5,5**	10	3	**160**	41100369	**7,5**	12	5	**100**	41100484	**9,0**	14	5	**250**	41100652	**14,0**	22	7	**160**
41100239	**5,5**	10	3	**250**	41100374	**7,5**	12	5	**160**	41100500	**10,0**	16	5	**100**	41100670	**14,0**	22	7	**250**
41100260	**6,0**	12	5	**100**	41100379	**7,5**	12	5	**200**	41100504	**10,0**	16	5	**160**	41100690	**14,5**	22	7	**125**
															41100725	**16,0**	22	7	**125**

Estrattore a testa cilindrica tipo FIAT, nitrurato
Ejector pin with cylindrical head type FIAT, nitrided

ART. 41102 GnuBo

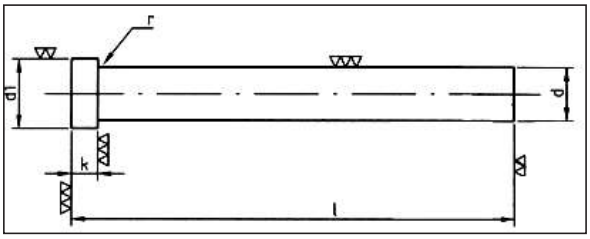
ART. 41102

Dati tecnici / Technical data

cod. code	d g6 [mm]	d1 [mm]	k [mm]	l [mm]	cod. code	d g6 [mm]	d1 [mm]	k [mm]	l [mm]
41102114	4,0	8	4	100	41102389	8,0	14	6,5	125
41102119	4,0	8	4	125	41102394	8,0	14	6,5	160
41102124	4,0	8	4	160	41102399	8,0	14	6,5	200
41102129	4,0	8	4	200	41102404	8,0	14	6,5	250
41102134	4,0	8	4	250	41102409	8,0	14	6,5	315
41102139	4,0	8	4	315	41102414	8,0	14	6,5	400
41102144	4,0	8	4	400	41102419	8,0	14	6,5	500
41102189	5,0	10	5	100	41102494	10,0	16	6,5	100
41102194	5,0	10	5	125	41102499	10,0	16	6,5	125
41102199	5,0	10	5	160	41102504	10,0	16	6,5	160
41102204	5,0	10	5	200	41102514	10,0	16	6,5	200
41102209	5,0	10	5	250	41102519	10,0	16	6,5	250
41102214	5,0	10	5	315	41102524	10,0	16	6,5	315
41102219	5,0	10	5	400	41102529	10,0	16	6,5	400
41102384	8,0	14	6,5	100					

Descrizione:
Estrattore a testa cilindrica tipo FIAT. Materiale acciaio da utensili 1.2344 nitrurato. Durezza superficiale HV 1000 - 1100.

Ejector pin with cylindrical head type FIAT. Material nitrided tool steel 1.2344. Surface hardness HV 1000 - 1100.



Estrattore a testa cilindrica DIN 1530 A, nitrurato
Ejector pin with cylindrical head DIN 1530 A, nitrided

ART. 41103 GnuBo

ART. 41103

Dati tecnici / Technical data

cod. code	d1 [mm]	d2 [mm]	L [mm]	K [mm]	cod. code	d1 [mm]	d2 [mm]	L [mm]	K [mm]	cod. code	d1 [mm]	d2 [mm]	L [mm]	K [mm]
41103009	2,0	4	100	2	41103239	5,5	10	250	3	41103479	9,0	14	200	5
41103014	2,0	4	125	2	41103244	5,5	10	315	3	41103484	9,0	14	250	5
41103019	2,0	4	160	2	41103249	5,5	10	400	3	41103489	9,0	14	400	5
41103024	2,0	4	200	2	41103254	6,0	12	100	5	41103494	10,0	16	100	5
41103029	2,5	5	100	2	41103259	6,0	12	125	5	41103499	10,0	16	125	5
41103034	2,5	5	125	2	41103264	6,0	12	160	5	41103504	10,0	16	160	5
41103039	2,5	5	160	2	41103274	6,0	12	200	5	41103514	10,0	16	200	5
41103044	2,5	5	200	2	41103279	6,0	12	250	5	41103519	10,0	16	250	5
41103049	3,0	6	100	3	41103284	6,0	12	315	5	41103524	10,0	16	315	5
41103054	3,0	6	125	3	41103289	6,0	12	400	5	41103529	10,0	16	400	5
41103059	3,0	6	160	3	41103294	6,2	12	100	5	41103535	10,5	17	125	6
41103064	3,0	6	200	3	41103299	6,2	12	315	5	41103547	10,5	17	200	6
41103069	3,0	6	250	3	41103304	6,5	12	100	5	41103553	11,0	16	160	5
41103074	3,0	6	315	3	41103309	6,5	12	125	5	41103565	11,0	16	250	5
41103084	3,5	7	100	3	41103314	6,5	12	160	5	41103571	12,0	18/20	100	7
41103089	3,5	7	125	3	41103319	6,5	12	200	5	41103577	12,0	18/20	125	7
41103094	3,5	7	160	3	41103324	6,5	12	250	5	41103583	12,0	18/20	160	7
41103099	3,5	7	200	3	41103329	6,5	12	315	5	41103589	12,0	18/20	200	7
41103104	3,5	7	250	3	41103334	7,0	12	100	5	41103595	12,0	18/20	250	7
41103109	3,5	7	315	3	41103339	7,0	12	125	5	41103601	12,0	18/20	315	7
41103114	4,0	8	100	3	41103344	7,0	12	160	5	41103607	12,0	18/20	400	7
41103119	4,0	8	125	3	41103349	7,0	12	200	5	41103634	14,0	22	100	7
41103124	4,0	8	160	3	41103354	7,0	12	250	5	41103643	14,0	22	125	7
41103129	4,0	8	200	3	41103359	7,0	12	315	5	41103652	14,0	22	160	7
41103134	4,0	8	250	3	41103364	7,0	12	400	5	41103661	14,0	22	200	7
41103139	4,0	8	315	3	41103369	7,5	12	100	5	41103670	14,0	22	250	7
41103144	4,0	8	400	3	41103374	7,5	12	160	5	41103679	14,0	22	315	7
41103154	4,2	8	160	3	41103379	7,5	12	200	5	41103688	14,0	22	400	7
41103159	4,2	8	250	3	41103384	8,0	14	100	5	41103697	16,0	24	100	7
41103164	4,5	8	100	3	41103389	8,0	14	125	5	41103706	16,0	24	125	7
41103169	4,5	8	125	3	41103394	8,0	14	160	5	41103715	16,0	24	160	7
41103174	4,5	8	160	3	41103399	8,0	14	200	5	41103724	16,0	24	200	7
41103179	4,5	8	200	3	41103404	8,0	14	250	5	41103733	16,0	24	250	7
41103184	4,5	8	250	3	41103409	8,0	14	315	5	41103742	16,0	24	315	7
41103189	5,0	10	100	3	41103414	8,0	14	400	5	41103751	16,0	24	400	7
41103194	5,0	10	125	3	41103419	8,0	14	500	5	41103760	18,0	26	160	7
41103199	5,0	10	160	3	41103434	8,5	14	125	5	41103769	18,0	26	200	7
41103204	5,0	10	200	3	41103439	8,5	14	160	5	41103778	20,0	28	100	8
41103209	5,0	10	250	3	41103444	8,5	14	200	5	41103787	20,0	28	160	8
41103214	5,0	10	315	3	41103449	8,5	14	250	5	41103796	20,0	28	200	8
41103219	5,0	10	400	3	41103454	8,5	14	315	5	41103805	20,0	28	250	8
41103224	5,5	10	100	3	41103464	9,0	14	100	5	41103814	20,0	28	315	8
41103229	5,5	10	160	3	41103469	9,0	14	125	5	41103823	20,0	28	400	8
41103234	5,5	10	200	3	41103474	9,0	14	160	5	41103825	20,0	28	500	8

Descrizione:
Estrattore a testa cilindrica DIN 1530 A. Materiale acciaio da utensili 1.2344 nitrurato. Durezza superficiale HV 1000 - 1100.

Ejector pin with cylindrical head DIN 1530 A. Material nitrided tool steel 1.2344. surface hardness HV 1000 - 1100.

Normalizzati per stampi - Punzoni ed estrattori - Cannocchiali

Estrattore a testa cilindrica DIN ISO 6751, HSS
Ejector pin with cylindrical head DIN ISO 6751, HSS

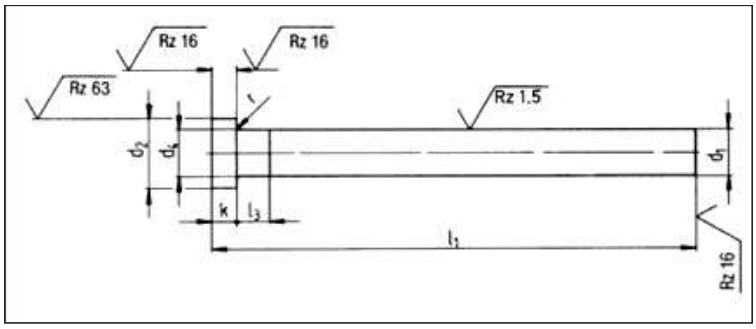
ART. 41107 GnuBo

Descrizione:
Estrattore a testa cilindrica DIN ISO 6751. Materiale acciaio superrapido HSS 1.3343. Durezza HRC 62 ± 2.

Ejector pin with cylindrical head DIN ISO 6751. Material high speed steel HSS 1.3343. Hardness HRC 62 ± 2.

ART. 41107
Dati tecnici / Technical data

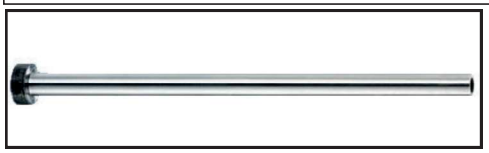
cod. code	d_1 g6 [mm]	d_2 0 -2 [mm]	d_4 [mm]	k 0 -0,05 [mm]	r +0,2 0 [mm]	l_1 +2 0 [mm]	l_3 [mm]
41107049	**3**	6	3,03	3	0,3	**100**	6
41107080	**3,5**	7	3,53	3	0,3	**100**	6
41107114	**4**	8	4,03	3	0,3	**100**	6
41107150	**4,5**	8	4,53	3	0,3	**100**	6
41107189	**5**	10	5,03	3	0,3	**100**	6
41107325	**5**	9	6,03	5	0,3	**100**	6

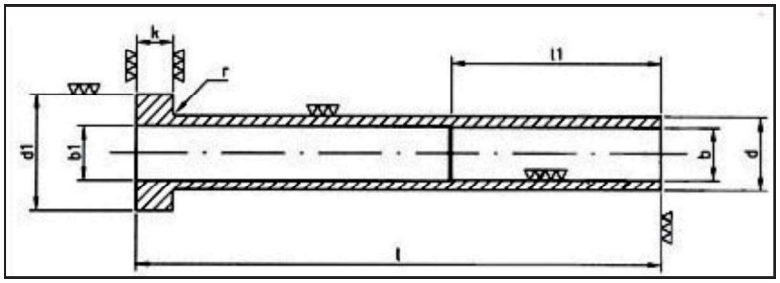


Normalizzati per stampi - Cannocchiali

Cannocchiale per estrazione DIN 1530, temprato
Ejector sleeve for drawing DIN 1530, hardened

ART. 41127 GnuBo





Descrizione:
Cannocchiale per estrazione DIN 1530, temprato.

Ejector sleeve for drawing DIN 1530, hardened.

ART. 41127
Dati tecnici / Technical data

cod. code	b H5 [mm]	d g6 [mm]	b1 [mm]	d1 [mm]	k [mm]	l1 [mm]	l [mm]	cod. code	b H5 [mm]	d g6 [mm]	b1 [mm]	d1 [mm]	k [mm]	l1 [mm]	l [mm]
41127087	**2,0**	4,0	2,4	8	3	35	**125**	41127462	**5,0**	8,0	5,4	14	5	45	**200**
41127102	**2,0**	4,5	2,4	8	3	35	**150**	41127477	**5,0**	8,0	5,4	14	5	45	**250**
41127117	**2,5**	5,0	2,9	10	3	35	**125**	41127492	**5,0**	8,0	5,4	14	5	45	**350**
41127132	**2,7**	5,0	2,9	10	3	35	**125**	41127522	**5,2**	8,0	5,6	14	5	45	**150**
41127147	**3,0**	5,0	3,4	10	3	45	**125**	41127567	**6,0**	10,0	6,4	16	5	45	**100**
41127162	**3,0**	5,0	3,4	10	3	45	**150**	41127582	**6,0**	10,0	6,4	16	5	45	**125**
41127177	**3,2**	5,0	3,6	10	3	45	**125**	41127597	**6,0**	10,0	6,4	16	5	45	**150**
41127192	**3,2**	5,0	3,6	10	3	45	**150**	41127612	**6,0**	10,0	6,4	16	5	45	**175**
41127207	**3,5**	6,0	3,9	12	5	45	**125**	41127627	**6,0**	10,0	6,4	16	5	45	**200**
41127222	**3,5**	6,0	3,9	12	5	45	**150**	41127642	**6,2**	10,0	6,6	16	5	45	**150**
41127252	**3,7**	6,0	4,0	12	5	45	**150**	41127657	**6,2**	10,0	6,6	16	5	45	**175**
41127267	**3,7**	6,0	4,0	12	5	45	**175**	41127672	**8,0**	12,0	8,4	20	7	45	**125**
41127282	**4,0**	6,0	4,4	12	5	45	**100**	41127687	**8,0**	12,0	8,4	20	7	45	**150**
41127297	**4,0**	6,0	4,4	12	5	45	**125**	41127702	**8,0**	12,0	8,4	20	7	45	**175**
41127312	**4,0**	6,0	4,4	12	5	45	**150**	41127717	**8,2**	12,0	8,6	20	7	45	**125**
41127327	**4,0**	6,0	4,4	12	5	45	**175**	41127732	**8,2**	12,0	8,6	20	7	45	**150**
41127342	**4,2**	8,0	4,6	14	5	45	**100**	41127747	**8,2**	12,0	8,6	20	7	45	**175**
41127357	**4,2**	8,0	4,6	14	5	45	**125**	41127777	**10,0**	14,0	10,4	22	7	50	**125**
41127372	**4,2**	8,0	4,6	14	5	45	**150**	41127792	**10,0**	14,0	10,4	22	7	50	**150**
41127387	**4,2**	8,0	4,6	14	5	45	**200**	41127807	**10,0**	14,0	10,4	22	7	50	**175**
41127402	**5,0**	8,0	5,4	14	5	45	**100**	41127822	**12,0**	16,0	12,4	22	7	50	**125**
41127417	**5,0**	8,0	5,4	14	5	45	**125**	41127837	**12,0**	16,0	12,4	22	7	50	**150**
41127432	**5,0**	8,0	5,4	14	5	45	**150**	41127852	**12,0**	16,0	12,4	22	7	50	**175**
41127447	**5,0**	8,0	5,4	14	5	45	**175**								

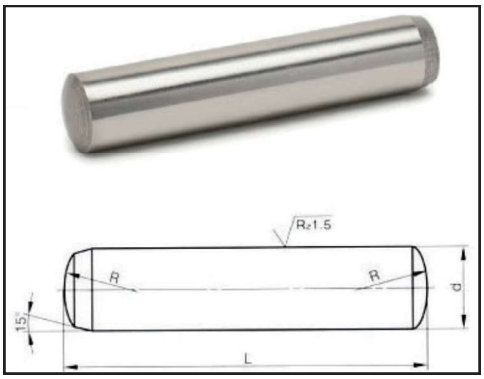
Spina cilindrica temprata, m6
Hardened cylindrical pin, m6

ART. 41153 GnuBo

ART. 41153

Dati tecnici Technical data

cod. code	d m6 [mm]	L [mm]	cod. code	d m6 [mm]	L [mm]	cod. code	d m6 [mm]	L [mm]	cod. code	d m6 [mm]	L [mm]
41153032	**2**	10	41153185	**5**	20	41153346	**8**	36	41153465	**12**	50
41153035	**2**	14	41153194	**5**	24	41153349	**8**	40	41153470	**12**	60
41153036	**2**	16	41153203	**5**	30	41153351	**8**	45	41153475	**12**	70
41153041	**2**	20	41153212	**5**	36	41153354	**8**	50	41153480	**12**	80
41153050	**2**	24	41153221	**5**	40	41153359	**8**	60	41153485	**12**	90
41153059	**3**	10	41153230	**5**	45	41153364	**8**	70	41153490	**12**	100
41153068	**3**	16	41153239	**5**	50	41153369	**8**	80	41153495	**12**	120
41153077	**3**	20	41153248	**5**	60	41153374	**8**	90	41153498	**12**	140
41153080	**3**	24	41153252	**6**	10	41153379	**8**	100	41153513	**14**	50
41153086	**3**	30	41153257	**6**	16	41153397	**10**	20	41153518	**14**	60
41153092	**3**	36	41153266	**6**	20	41153399	**10**	24	41153523	**14**	70
41153095	**3**	40	41153275	**6**	24	41153402	**10**	30	41153528	**14**	80
41153104	**4**	10	41153284	**6**	30	41153403	**10**	32	41153530	**14**	90
41153113	**4**	16	41153287	**6**	36	41153407	**10**	40	41153533	**14**	100
41153122	**4**	20	41153293	**6**	40	41153412	**10**	50	41153538	**14**	120
41153131	**4**	24	41153297	**6**	45	41153417	**10**	60	41153556	**16**	40
41153140	**4**	30	41153302	**6**	50	41153422	**10**	70	41153561	**16**	50
41153146	**4**	36	41153311	**6**	60	41153427	**10**	80	41153566	**16**	60
41153149	**4**	40	41153315	**6**	70	41153432	**10**	90	41153571	**16**	70
41153153	**4**	45	41153320	**6**	80	41153437	**10**	100	41153576	**16**	80
41153158	**4**	50	41153329	**8**	16	41153442	**10**	120	41153581	**16**	100
41153165	**5**	10	41153334	**8**	20	41153457	**12**	30	41153586	**16**	120
41153167	**5**	14	41153339	**8**	24	41153460	**12**	40	41153622	**20**	100
41153176	**5**	16	41153344	**8**	30				41153627	**20**	120

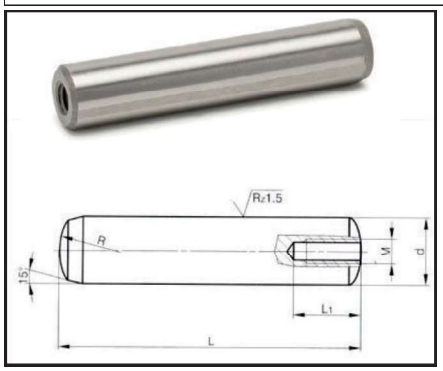


Descrizione:

Spina cilindrica temprata a norma DIN 6325, UNI 6364 A, ISO 8734, tolleranza sul diametro m6. Materiale acciaio da utensili, durezza HRC 60 - 62.

Hardened cylindrical pin according to DIN 6325, UNI 6364 A, ISO 8734, tolerance on diameter m6. Material tool steel, hardness HRC 60 - 62.

Spina cilindrica temprata con foro filettato, h6
Hardened cylindrical pin with threaded hole, h6



Descrizione:
Spina cilindrica con foro filettato DIN 7979. Materiale acciaio da utensili. Durezza HRC 60 - 62. Tolleranza sul diametro h6.

Spina cilindrica temprata con foro filettato a norma DIN 7979 D, UNI 6364 B, ISO 8735, tolleranza sul diametro h6.. Materiale acciaio da utensili. Durezza HRC 60 - 62.

ART. 41164 GnuBo

ART. 41164

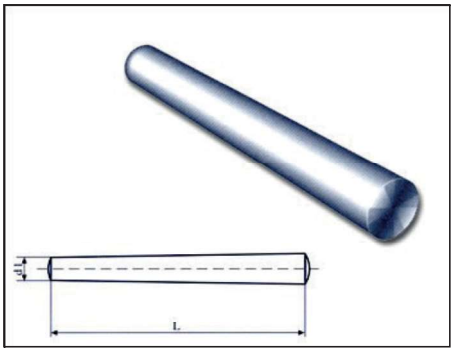
Dati tecnici / Technical data

cod. code	d h6 [mm]	M	L [mm]	L1 [mm]	cod. code	d h6 [mm]	M	L [mm]	L1 [mm]
41164032	**6**	4	*20*	10	41164209	**10**	6	*50*	16
41164041	**6**	4	*32*	10	41164218	**10**	6	*60*	16
41164050	**6**	4	*40*	10	41164227	**10**	6	*80*	16
41164059	**6**	4	*50*	10	41164236	**10**	6	*100*	16
41164068	**6**	4	*60*	10	41164238	**10**	6	*120*	16
41164072	**6**	4	*80*	10	41164257	**12**	6	*40*	16
41164077	**6**	4	*100*	10	41164266	**12**	6	*50*	16
41164095	**8**	5	*16*	12	41164275	**12**	6	*60*	16
41164098	**8**	5	*20*	12	41164284	**12**	6	*80*	16
41164107	**8**	5	*24*	12	41164293	**12**	6	*100*	16
41164116	**8**	5	*28*	12	41164302	**12**	6	*120*	16
41164125	**8**	5	*40*	12	41164311	**12**	6	*140*	16
41164134	**8**	5	*50*	12	41164332	**14**	8	*60*	20
41164143	**8**	5	*60*	12	41164341	**14**	8	*100*	20
41164152	**8**	5	*70*	12	41164357	**16**	8	*50*	20
41164161	**8**	5	*80*	12	41164362	**16**	8	*60*	20
41164170	**8**	5	*100*	12	41164371	**16**	8	*80*	20
41164177	**10**	6	*20*	16	41164380	**16**	8	*100*	20
41164184	**10**	6	*24*	16	41164401	**20**	10	*60*	25
41164191	**10**	6	*32*	16	41164410	**20**	10	*80*	25
41164200	**10**	6	*40*	16	41164419	**20**	10	*100*	25

Spina conica, h10
Conical pin, h10

Descrizione:
Spina conica ISO 2339 B,
Spina conica non temprata finitura tornita a norma DIN 1B, UNI 129, ISO 2339 B, tolleranza sul diametro h10. Conicità 1:50, materiale acciaio ad alta velocità AVP.

Not hardened conical pin, finishing turned, according to DIN 1B, UNI 129, ISO 2339 B, tolerance on diameter h10. Taper 1:50, material high speed steel (AVP).



ART. 41173 GnuBo

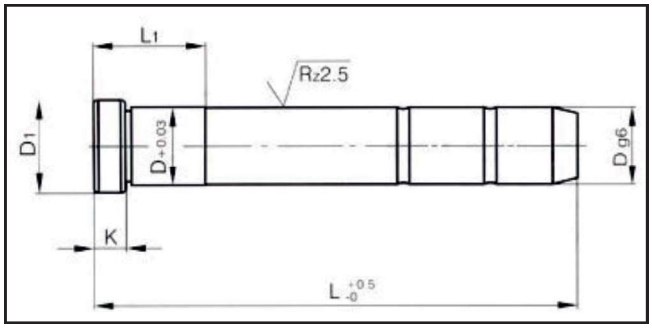
ART. 41173

Dati tecnici / Technical data

cod. code	d1 [mm]	L [mm]	cod. code	d1 [mm]	L [mm]
41173063	**4**	30	41173310	**8**	40
41173082	**4**	40	41173329	**8**	50
41173101	**4**	50	41173348	**8**	60
41173120	**5**	20	41173367	**8**	70
41173139	**5**	30	41173386	**8**	80
41173158	**5**	40	41173405	**8**	100
41173177	**5**	50	41173424	**10**	40
41173196	**6**	30	41173443	**10**	50
41173215	**6**	40	41173462	**10**	60
41173234	**6**	50	41173481	**10**	70
41173253	**6**	60	41173500	**10**	100
41173272	**6**	80	41173600	**12**	90
41173291	**8**	30	41173620	**12**	120

Colonna a 1 diametro
Pilot pin with 1 diameter

ART. 41207 GnuBo



Descrizione:
Colonna a 1 diametro per stampi. Materiale acciaio 16 Cr Ni 4. Esecuzione: cementata, temprata, rinvenuta, rettificata. Durezza HRC 60 - 62.

Pilot pin with 1 diameter for moulds. Material steel 16 Cr Ni 4. Finishing: casehardened, hardened and tempered, ground. Hardness HRC 60 - 62.

ART. 41207

Dati tecnici / Technical data

cod. code	D g6 [mm]	D1 [mm]	L +0,5 0 [mm]	L1 [mm]	K [mm]	cod. code	D g6 [mm]	D1 [mm]	L +0,5 0 [mm]	L1 [mm]	K [mm]	cod. code	D g6 [mm]	D1 [mm]	L +0,5 0 [mm]	L1 [mm]	K [mm]
41207013	12	16	60	15	5	41207183	18	22	180	40	5	41207355	25	30	220	50	7
41207018	12	16	70	15	5	41207188	18	22	200	40	5	41207360	25	30	240	50	7
41207023	12	16	80	20	5	41207193	20	24	60	15	6	41207365	25	30	260	50	7
41207028	12	16	100	25	5	41207198	20	24	70	15	6	41207370	25	30	280	50	7
41207033	12	16	120	25	5	41207203	20	24	80	20	6	41207375	25	30	300	50	7
41207038	12	16	140	30	5	41207208	20	24	90	20	6	41207380	25	30	350	60	7
41207043	12	16	160	35	5	41207213	20	24	100	25	6	41207495	32	37	120	25	7
41207048	14	18	60	15	5	41207215	20	24	110	25	6	41207502	32	37	140	30	7
41207053	14	18	70	15	5	41207218	20	24	120	25	6	41207509	32	37	160	35	7
41207058	14	18	80	20	5	41207223	20	24	140	30	6	41207516	32	37	180	40	7
41207063	14	18	90	20	5	41207228	20	24	160	35	6	41207523	32	37	200	45	7
41207068	14	18	100	25	5	41207233	20	24	180	40	6	41207530	32	37	220	50	7
41207073	14	18	120	25	5	41207238	20	24	200	40	6	41207537	32	37	240	55	7
41207078	14	18	140	30	5	41207243	20	24	220	50	6	41207544	32	37	260	60	7
41207083	14	18	160	35	5	41207248	20	24	240	50	6	41207551	32	37	280	65	7
41207088	16	20	60	15	5	41207253	22	27	70	27	6	41207558	32	37	300	70	7
41207093	16	20	70	15	5	41207258	22	26	80	19	6	41207565	32	37	320	75	7
41207098	16	20	80	20	5	41207263	22	26	90	20	6	41207572	32	37	340	80	7
41207103	16	20	90	20	5	41207268	22	26	100	26	6	41207607	40	45	140	30	8
41207108	16	20	100	25	5	41207273	22	26	120	25	6	41207612	40	45	160	35	8
41207113	16	20	110	25	5	41207278	22	26	140	30	6	41207617	40	45	180	40	8
41207118	16	20	120	25	5	41207283	22	26	160	30	6	41207622	40	45	200	40	8
41207123	16	20	140	30	5	41207288	22	26	180	44	6	41207627	40	45	220	50	8
41207128	16	20	160	35	5	41207293	22	26	200	32	6	41207632	40	45	240	50	8
41207133	16	20	180	40	5	41207298	22	26	220	31	6	41207637	40	45	260	50	8
41207135	16	20	200	40	5	41207303	22	26	240	40	6	41207642	40	45	280	50	8
41207138	18	22	60	15	5	41207308	22	26	280	41	6	41207647	40	45	300	50	8
41207143	18	22	70	15	5	41207315	25	30	80	20	7	41207652	40	45	350	60	8
41207148	18	22	80	20	5	41207320	25	30	90	20	7	41207657	40	45	400	60	8
41207153	18	22	90	20	5	41207325	25	30	100	25	7	41207697	50	55	260	50	10
41207158	18	22	100	25	5	41207330	25	30	120	25	7	41207702	50	55	300	50	10
41207163	18	22	110	25	5	41207335	25	30	140	30	7	41207707	50	55	350	60	10
41207168	18	22	120	25	5	41207340	25	30	160	35	7	41207712	50	55	400	60	10
41207173	18	22	140	30	5	41207345	25	30	180	40	7	41207717	50	55	450	80	10
41207178	18	22	160	35	5	41207350	25	30	200	40	7						

Assortimento Tubi in gomma
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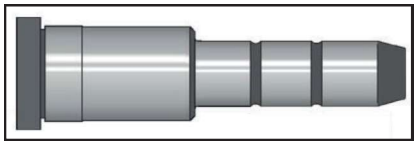
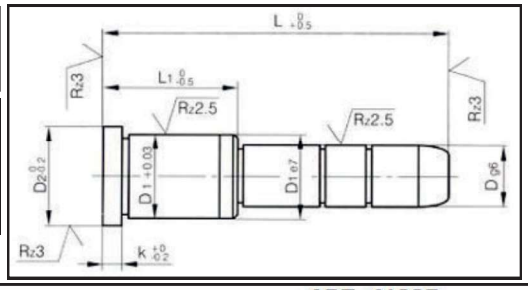
Colonna a 2 diametri
Pilot pin with 2 diameters





ART. 41227 GnuBo

Descrizione:
Colonna a 2 diametri per stampi.
Materiale acciaio 16 Cr Ni 4.
Esecuzione: cementata, temprata e rinvenuta, rettificata.
Durezza HRC 60 - 62.
Cod. 843-860 articoli ad esaurimento.

Pilot pin with 2 diameters for moulds.
Material steel 16 Cr Ni 4.
Finishing: casehardened, hardened and tempered, ground.
Hardness HRC 60 - 62.
Code 843-860 exhaustion of this item in stock.

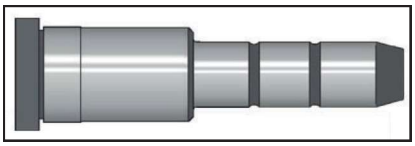
ART. 41227

Dati tecnici / Technical data

cod. code	D g6 [mm]	D1 e7 [mm]	D2 0 -0,2 [mm]	L 0 +0,5 [mm]	L1 0 -0,5 [mm]	K 0 -0,2 [mm]	cod. code	D g6 [mm]	D1 e7 [mm]	D2 0 -0,2 [mm]	L 0 +0,5 [mm]	L1 0 -0,5 [mm]	K 0 -0,2 [mm]	cod. code	D g6 [mm]	D1 e7 [mm]	D2 0 -0,2 [mm]	L 0 +0,5 [mm]	L1 0 -0,5 [mm]	K 0 -0,2 [mm]
41227009	14	20	24	80	26	5	41227293	20	30	34	120	46	6	41227581	32	40	45	160	36	7
41227013	14	20	24	100	26	5	41227297	20	30	34	140	46	6	41227585	32	40	45	180	36	7
41227017	14	20	24	120	26	5	41227301	20	30	34	160	46	6	41227589	32	40	45	200	36	7
41227021	14	20	24	80	36	5	41227305	20	30	34	180	46	6	41227593	32	40	45	220	36	7
41227025	14	20	24	100	36	5	41227309	20	30	34	200	46	6	41227597	32	40	45	140	46	7
41227029	14	20	24	80	46	5	41227313	20	30	34	80	56	6	41227601	32	40	45	160	46	7
41227033	14	20	24	100	46	5	41227317	20	30	34	100	56	6	41227605	32	40	45	180	46	7
41227037	14	20	24	120	46	5	41227321	20	30	34	120	56	6	41227609	32	40	45	200	46	7
41227041	14	20	24	140	46	5	41227325	20	30	34	140	56	6	41227613	32	40	45	220	46	7
41227045	14	20	24	100	56	5	41227329	20	30	34	160	56	6	41227617	32	40	45	240	46	7
41227049	14	20	24	120	56	5	41227333	20	30	34	180	56	6	41227621	32	40	45	160	56	7
41227053	16	22	26	70	26	2	41227337	20	30	34	200	56	6	41227625	32	40	45	180	56	7
41227057	16	22	26	80	26	2	41227341	20	30	34	120	66	6	41227629	32	40	45	200	56	7
41227061	16	22	26	100	26	2	41227345	20	30	34	140	66	6	41227633	32	40	45	220	56	7
41227065	16	22	26	120	26	2	41227349	20	30	34	160	66	6	41227637	32	40	45	240	56	7
41227069	16	22	26	160	26	2	41227353	20	30	34	180	66	6	41227641	32	40	45	260	56	7
41227073	16	22	26	80	36	2	41227357	20	30	34	200	66	6	41227645	32	40	45	140	66	7
41227077	16	22	26	100	36	2	41227361	20	30	34	120	76	6	41227649	32	40	45	160	66	7
41227081	16	22	26	120	36	2	41227365	20	30	34	140	76	6	41227653	32	40	45	180	66	7
41227085	16	22	26	80	46	2	41227369	20	30	34	160	76	6	41227657	32	40	45	200	66	7
41227089	16	22	26	100	46	2	41227373	20	30	34	180	76	6	41227661	32	40	45	220	66	7
41227093	16	22	26	120	46	2	41227377	20	30	34	200	76	6	41227665	32	40	45	240	66	7
41227097	16	22	26	140	46	2	41227381	20	30	34	140	86	6	41227669	32	40	45	260	66	7
41227101	16	22	26	160	46	2	41227385	20	30	34	160	86	6	41227673	32	40	45	160	76	7
41227105	16	22	26	100	56	2	41227389	20	30	34	180	86	6	41227677	32	40	45	180	76	7
41227109	16	22	26	120	56	2	41227393	20	30	34	200	86	6	41227681	32	40	45	200	76	7
41227113	16	22	26	140	56	2	41227397	20	30	34	140	96	6	41227685	32	40	45	220	76	7
41227117	16	22	26	160	56	2	41227401	20	30	34	160	96	6	41227689	32	40	45	240	76	7
41227121	16	22	26	120	66	2	41227405	20	30	34	180	96	6	41227693	32	40	45	260	76	7
41227125	18	26	30	80	26	5	41227409	20	30	34	200	96	6	41227697	32	40	45	280	76	7
41227129	18	26	30	100	26	5	41227413	20	30	34	180	116	6	41227701	32	40	45	160	86	7
41227133	18	26	30	80	36	5	41227417	25	34	38	100	56	7	41227705	32	40	45	180	86	7
41227137	18	26	30	100	36	5	41227421	25	34	38	120	56	7	41227709	32	40	45	200	86	7
41227141	18	26	30	120	36	5	41227425	25	34	38	140	56	7	41227713	32	40	45	220	86	7
41227145	18	26	30	140	36	5	41227429	25	34	38	160	56	7	41227717	32	40	45	240	86	7
41227149	18	26	30	160	36	5	41227433	25	34	38	180	56	7	41227721	32	40	45	160	96	7
41227153	18	26	30	80	46	5	41227437	25	34	38	200	56	7	41227725	32	40	45	180	96	7
41227157	18	26	30	100	46	5	41227441	25	34	38	220	56	7	41227729	32	40	45	200	96	7
41227161	18	26	30	120	46	5	41227445	25	34	38	240	56	7	41227733	32	40	45	220	96	7
41227165	18	26	30	140	46	5	41227449	25	34	38	120	66	7	41227737	32	40	45	240	96	7
41227169	18	26	30	160	46	5	41227453	25	34	38	140	66	7	41227741	32	40	45	260	96	7
41227173	18	26	30	100	56	5	41227457	25	34	38	160	66	7	41227743	32	40	45	300	96	7
41227177	18	26	30	120	56	5	41227461	25	34	38	180	66	7	41227745	32	40	45	180	116	7
41227181	18	26	30	160	56	5	41227465	25	34	38	200	66	7	41227749	32	40	45	200	116	7
41227185	18	26	30	100	66	5	41227469	25	34	38	220	66	7	41227753	32	40	45	220	116	7
41227189	18	26	30	120	66	5	41227473	25	34	38	240	66	7	41227757	40	48	52	160	76	8
41227193	18	26	30	120	76	5	41227477	25	34	38	120	76	7	41227761	40	48	52	180	76	8
41227197	18	26	30	140	76	5	41227481	25	34	38	140	76	7	41227765	40	48	52	200	76	8
41227201	18	26	30	160	76	5	41227485	25	34	38	160	76	7	41227769	40	48	52	220	76	8
41227205	20	28	32	80	36	6	41227489	25	34	38	180	76	7	41227773	40	48	52	240	76	8
41227209	20	28	32	90	36	6	41227493	25	34	38	200	76	7	41227777	40	48	52	260	76	8
41227213	20	28	32	100	36	6	41227497	25	34	38	220	76	7	41227781	40	48	52	280	76	8
41227217	20	28	32	80	46	6	41227501	25	34	38	240	76	7	41227785	40	48	52	180	76	8
41227221	20	28	32	90	46	6	41227505	25	34	38	140	86	7	41227789	40	48	52	200	76	8
41227225	20	28	32	100	46	6	41227509	25	34	38	160	86	7	41227793	40	48	52	220	76	8
41227229	20	28	32	140	46	6	41227513	25	34	38	180	86	7	41227797	40	48	52	240	76	8
41227233	20	28	32	160	46	6	41227517	25	34	38	200	86	7	41227801	40	48	52	200	76	8
41227237	20	28	32	80	56	6	41227521	25	34	38	220	86	7	41227805	40	48	52	220	76	8
41227241	20	28	32	90	56	6	41227525	25	34	38	240	86	7	41227809	40	48	52	240	76	8
41227245	20	28	32	100	56	6	41227529	25	34	38	260	86	7	41227813	40	48	52	260	76	8
41227249	20	28	32	120	66	6	41227533	25	34	38	140	96	7	41227817	40	48	52	280	76	8
41227251	20	28	32	120	76	6	41227537	25	34	38	160	96	7	41227821	40	48	52	200	76	8
41227253	20	30	34	80	26	6	41227541	25	34	38	180	96	7	41227825	40	48	52	220	76	8
41227257	20	30	34	100	26	6	41227545	25	34	38	200	96	7	41227829	40	48	52	240	76	8
41227261	20	30	34	120	26	6	41227549	25	34	38	220	96	7	41227833	40	48	52	200	76	8
41227265	20	30	34	100	36	6	41227553	25	34	38	240	96	7	41227837	40	48	52	220	76	8
41227269	20	30	34	120	36	6	41227557	25	34	38	260	96	7	41227841	40	48	52	240	76	8
41227273	20	30	34	140	36	6	41227561	25	34	38	160	116	7	41227843	40	48	52	300	116	8
41227277	20	30	34	160	36	6	41227565	25	34	38	180	116	7	41227845	40	48	52	240	126	8
41227281	20	30	34	180	36	6	41227569	25	34	38	200	116	7	41227849	40	48	52	260	126	8
41227285	20	30	34	80	46	6	41227573	25	34	38	180	126	7	41227853	40	48	52	280	126	8
41227289	20	30	34	100	46	6	41227577	32	40	45	140	36	7	41227860	40	48	52	360	126	8

Colonna a 2 diametri, misure speciali
Pilot pin with 2 diameters, special measures

ART. 41229 GnuBo



41229087	COLONNE 2D 25/35X 26X140 SP*	41229327	COLONNE 2D 25/35X 76X180 SP*
41229097	COLONNE 2D 25/35X 36X100 SP*	41229337	COLONNE 2D 25/35X 76X200 SP*
41229107	COLONNE 2D 25/35X 36X120 SP*	41229347	COLONNE 2D 25/35X 76X220 SP*
41229117	COLONNE 2D 25/35X 36X140 SP*	41229357	COLONNE 2D 25/35X 76X240 SP*
41229127	COLONNE 2D 25/35X 36X160 SP*	41229377	COLONNE 2D 25/35X 96X120SP*
41229137	COLONNE 2D 25/35X 36X180 SP*	41229457	COLONNE 2D 25/35X116X200 SP*
41229147	COLONNE 2D 25/35X 36X200 SP*	41229487	COLONNE 2D 32/42X 36X220 SP*
41229157	COLONNE 2D 25/35X 36X220 SP*	41229497	COLONNE 2D 32/42X 46X200 SP*
41229167	COLONNE 2D 25/35X 36X240 SP*	41229507	COLONNE 2D 32/42X 46X220 SP*
41229177	COLONNE 2D 25/35X 46X100 SP*	41229517	COLONNE 2D 32/42X 46X250 SP*
41229187	COLONNE 2D 25/35X 46X120 SP*	41229527	COLONNE 2D 32/42X 46X260 SP*
41229197	COLONNE 2D 25/35X 46X140 SP*	41229567	COLONNE 2D 32/42X 56X260 SP*
41229207	COLONNE 2D 25/35X 46X160 SP*	41229577	COLONNE 2D 32/42X 76X140 SP*
41229217	COLONNE 2D 25/35X 46X180 SP*	41229607	COLONNE 2D 32/42X 76X200 SP*
41229227	COLONNE 2D 25/35X 46X220 SP*	41229617	COLONNE 2D 32/42X 76X220 SP*
41229237	COLONNE 2D 25/35X 46X240 SP*	41229627	COLONNE 2D 32/42X 76X240 SP*
41229247	COLONNE 2D 25/35X 56X100 SP*	41229637	COLONNE 2D 32/42X 76X260 SP*
41229257	COLONNE 2D 25/35X 56X120 SP*	41229647	COLONNE 2D 32/42X 76X280 SP*
41229267	COLONNE 2D 25/35X 56X140 SP*	41229657	COLONNE 2D 32/42X 76X300 SP*
41229277	COLONNE 2D 25/35X 56X160 SP*	41229667	COLONNE 2D 32/42X 76X350 SP*
41229297	COLONNE 2D 25/35X 56X200 SP*	41229677	COLONNE 2D 32/42X 76X380 SP*
41229307	COLONNE 2D 25/35X 56X220 SP*	41229707	COLONNE 2D 32/42X 96X260 SP*
41229317	COLONNE 2D 25/35X 76X120 SP*	41229717	COLONNE 2D 32/42X 96X300 SP*

Descrizione:
Colonna a 2 diametri per stampi, misure speciali. Materiale acciaio 16 Cr Ni 4. Esecuzione: cementata, temprata, rinvenuta, rettificata. Durezza HRC 60 - 62. Le dimensioni riportate nell'elenco prodotti si riferiscono a D / D1 x L1 x L in mm. Articolo ad esaurimento: disponibilità fino ad esaurimento scorte.

Pilot pin with 2 diameters for moulds, special measures. Material steel 16 Cr Ni 4. Finishing: casehardened, hardened and tempered, ground. Hardness HRC 60 - 62. Dimensions written in the items list are related to D / D1 x L1 x L in mm. Exhaustion of this item in stock: availabilty untill stock out.

Bussola di iniezione
Injection bush

Descrizione:
Bussola di iniezione per stampi.
Materiale 38 NCD4.
Esecuzione: foro conico 5% alesato e lappato, ogni bussola è interamente rettificata sui centri.

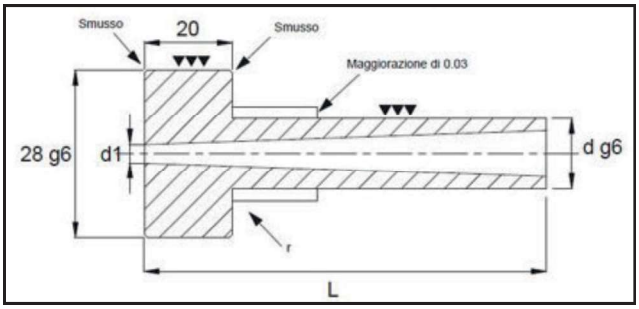
Injection bush for moulds.
Material 38 NCD4. FInishing: 5% bored and lapped conical hole, all bushes are fully ground on centres.

ART. 41247
Dati tecnici / Technical data

cod. code	d h6 [mm]	d1 [mm]	l [mm]
41247375	14	3	50
41247382	14	3	65
41247389	14	3	75
41247396	14	3	85
41247403	14	3	95
41247410	14	3	105
41247417	14	3	115
41247532	18	3	50
41247539	18	3	65
41247546	18	3	75
41247553	18	3	85
41247560	18	3	95
41247567	18	3	115

Normalizzati per stampi - Bussole

ART. 41247 GnuBo

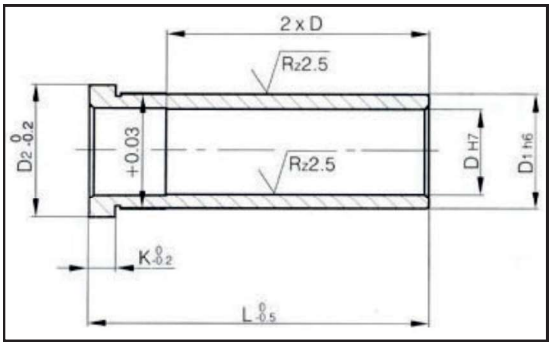


Bussola con collare PB
Bush with collar PB

ART. 41263 GnuBo

Descrizione:
Bussola con collare per stampi, tipo PB. Materiale acciaio 16 Cr Ni 4.
Esecuzione: cementata, temprata, rettificata, lappata. Durezza HRC 60 - 62.

Bush with collar for moulds, type PB. Material steel 16 Cr Ni 4.
Finishing: casehardened, hardened, ground, lapped. Hardness HRC 60 - 62.



ART. 41263
Dati tecnici / Technical data

cod. code	D H7 [mm]	D1 h6 [mm]	D2 0 -0,2 [mm]	L 0 -0,5 [mm]	K 0 -0,2 [mm]	cod. code	D H7 [mm]	D1 h6 [mm]	D2 0 -0,2 [mm]	L 0 -0,5 [mm]	K 0 -0,2 [mm]	cod. code	D H7 [mm]	D1 h6 [mm]	D2 0 -0,2 [mm]	L 0 -0,5 [mm]	K 0 -0,2 [mm]
41263087	14	20	24	22	5	41263248	20	28	32	36	6	41263475	32	40	44	56	7
41263094	14	20	24	26	5	41263255	20	28	32	46	6	41263482	32	40	44	66	7
41263101	14	20	24	36	5	41263262	20	28	32	56	6	41263489	32	40	44	76	7
41263108	14	20	24	46	5	41263269	20	28	32	66	6	41263496	32	40	44	86	7
41263115	14	20	24	56	5	41263271	20	28	32	76	6	41263503	32	40	44	96	7
41263122	14	20	24	66	5	41263276	20	30	34	26	6	41263510	32	40	44	106	7
41263129	16	22	26	22	5	41263283	20	30	34	36	6	41263517	32	40	44	116	7
41263136	16	22	26	26	5	41263290	20	30	34	46	6	41263524	32	40	44	126	7
41263143	16	22	26	36	5	41263297	20	30	34	56	6	41263561	40	48	52	46	8
41263150	16	22	26	46	5	41263304	20	30	34	66	6	41263568	40	48	52	56	8
41263157	16	22	26	56	5	41263311	20	30	34	76	6	41263575	40	48	52	66	8
41263164	16	22	26	66	5	41263318	20	30	34	86	6	41263582	40	48	52	76	8
41263171	16	22	26	76	5	41263325	20	30	34	96	6	41263509	40	48	52	86	8
41263178	16	22	26	96	5	41263332	20	30	34	116	6	41263596	40	48	52	96	8
41263185	18	26	30	22	5	41263367	25	34	38	36	7	41263603	40	48	52	106	8
41263192	18	26	30	26	5	41263374	25	34	38	46	7	41263610	40	48	52	116	8
41263199	18	26	30	36	5	41263381	25	34	38	56	7	41263614	40	48	52	126	8
41263206	18	26	30	46	5	41263388	25	34	38	66	7	41263617	40	48	52	146	8
41263213	18	26	30	56	5	41263395	25	34	38	76	7	41263654	50	60	65	76	10
41263220	18	26	30	66	5	41263402	25	34	38	86	7	41263661	50	60	65	86	10
41263227	18	26	30	76	5	41263409	25	34	38	96	7	41263668	50	60	65	96	10
41263234	18	26	30	86	5	41263416	25	34	38	106	7	41263675	50	60	65	106	10
41263241	18	26	30	96	5	41263423	25	34	38	116	7	41263682	50	60	65	116	10
41263246	20	28	32	26	6	41263461	32	40	44	36	7	41263689	50	60	65	146	10
						41263468	32	40	44	46	7						

Bussola spallata
Shouldered bush

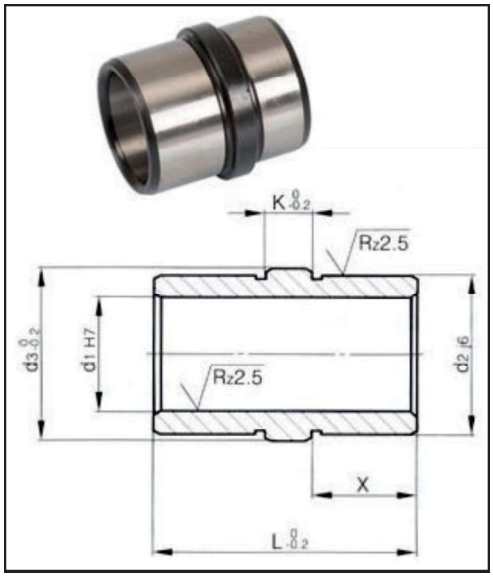
Descrizione:
Bussola spallata per stampi.
Materiale acciaio 16 Cr Ni 4.
Esecuzione: cementata, temprata, rettificata.
Durezza HRC 60 - 62.

Shouldered bush for moulds.
Material steel 16 Cr Ni 4.
Finishing: casehardened, hardened, ground.
Hardness HRC 60 - 62.

ART. 41282 GnuBo

ART. 41282
Dati tecnici / Technical data

cod. code	d1 H7 [mm]	d2 j6 [mm]	d3 0 -0,2 [mm]	L 0 -0,2 [mm]	K 0 -0,2 [mm]	X [mm]
41282128	**16**	22	26	32	5	16
41282153	**16**	22	26	40	5	16
41282178	**18**	26	30	32	6	16
41282203	**18**	26	30	40	6	16
41282228	**20**	28	32	32	6	16
41282253	**20**	28	32	40	6	16
41282278	**20**	30	34	32	6	16
41282303	**20**	30	34	40	6	16
41282328	**25**	34	38	32	7	16
41282353	**25**	34	38	40	7	16
41282378	**25**	35	40	32	7	16
41282403	**25**	35	40	40	7	16
41282428	**32**	40	45	50	7	25
41282453	**32**	40	45	65	7	25
41282457	**32**	42	47	50	7	17
41282462	**32**	42	47	65	7	25
41282478	**40**	48	52	65	8	32
41282503	**40**	48	52	80	8	32



Bussola DIN 179 A corta
Short bush DIN 179 A

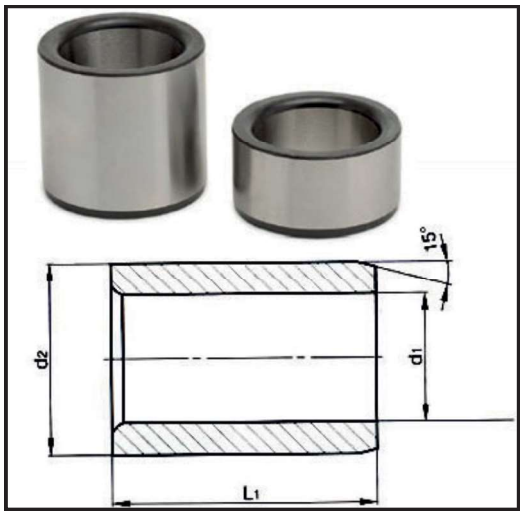
Descrizione:
Bussola di mascheraggio DIN 179 A corta.
Materiale acciaio 16 Cr Ni 4.
Esecuzione cementata, temprata, rettificata. Durezza HRC 62 ± 2.

Short bush DIN 179 A.
Material steel 16 Cr Ni 4.
Finishing: casehardened, tempered, ground, polished. Hardness HRC 62 ± 2.

ART. 41303 GnuBo

ART. 41303
Dati tecnici / Technical

cod. code	d1 F7 [mm]	d2 n6 [mm]	L1 [mm]
41303087	**2,0**	5	6
41303115	**2,5**	5	6
41303143	**3,0**	6	8
41303171	**3,5**	7	8
41303199	**4,0**	7	8
41303227	**4,3**	8	8
41303255	**4,5**	8	8
41303283	**5,0**	8	8
41303311	**5,1**	10	10
41303339	**5,5**	10	10
41303367	**6,0**	10	10
41303395	**6,5**	12	10
41303423	**7,0**	12	10
41303451	**7,5**	12	10
41303479	**8,0**	12	10
41303507	**8,5**	15	12
41303535	**9,0**	15	12
41303563	**9,5**	15	12
41303591	**10,0**	15	12
41303619	**10,5**	18	12
41303647	**12,0**	18	12



Il successo di un'azienda dipende anche dalla serietà dei fornitori scelti: Rivolgiti a chi dimostra Affidabilità nel tempo dal 1937

Bussola DIN 179 A lunga
Long bush DIN 179 A

Descrizione:
Bussola di mascheraggio DIN 179 A lunga. Materiale acciaio 16 Cr Ni 4. Esecuzione cementata, temprata, rettificata. Durezza HRC 62 ± 2.

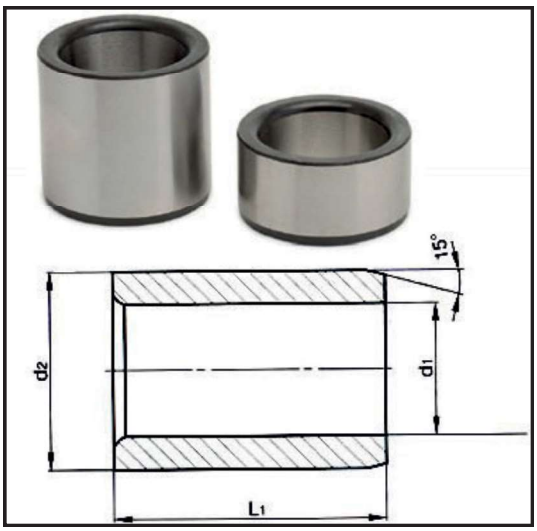
Long bush DIN 179 A.
Material steel 16 Cr Ni 4.
Finishing: casehardened, tempered, ground, polished.
Hardness HRC 62 ± 2.

ART. 41306

Dati tecnici / Technical

cod. code	d1 F7 [mm]	d2 n6 [mm]	L1 [mm]
41306087	**2,0**	5	**9**
41306092	**2,1**	5	**9**
41306115	**2,5**	5	**9**
41306143	**3,0**	6	**12**
41306171	**3,5**	7	**12**
41306199	**4,0**	7	**12**
41306205	**4,2**	8	**12**
41306227	**4,5**	8	**12**
41306255	**5,0**	8	**12**
41306283	**5,5**	10	**16**
41306311	**6,0**	10	**16**
41306339	**6,5**	12	**16**
41306367	**7,0**	12	**16**
41306395	**7,5**	12	**16**
41306423	**8,0**	12	**16**
41306451	**8,5**	15	**20**
41306479	**9,0**	15	**20**
41306507	**9,5**	15	**20**
41306535	**10,0**	15	**20**
41306563	**10,5**	18	**20**
41306591	**12,0**	18	**20**

ART. 41306



Bussola DIN 172 A corta
Short bush DIN 172 A

Descrizione:
Bussola di mascheraggio DIN 172 A corta con collare.
Materiale acciaio 16 Cr Ni 4.
Esecuzione cementata, temprata, rettificata. Durezza HRC 62 ± 2.

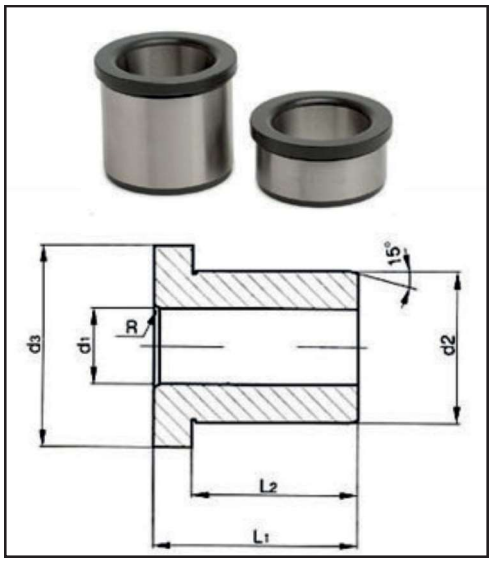
Short bush DIN 172 A with collar.
Material steel 16 Cr Ni 4.
Finishing: casehardened, tempered, ground, polished.
Hardness HRC 62 ± 2.

ART. 41313

Dati tecnici / Technical data

cod. code	d1 F7 [mm]	d2 n6 [mm]	d3 [mm]	L1 [mm]	L2 [mm]
41313087	**2,0**	5	8	**6**	4
41313115	**2,5**	5	8	**6**	4
41313143	**3,0**	6	9	**8**	6
41313171	**3,5**	7	10	**8**	5,5
41313185	**3,8**	7	10	**8**	5,5
41313199	**4,0**	7	10	**8**	5,5
41313227	**4,5**	8	11	**8**	5,5
41313256	**5,0**	8	11	**8**	5,5
41313284	**5,5**	10	13	**10**	7
41313311	**6,0**	10	13	**10**	7
41313339	**6,5**	12	15	**10**	7
41313367	**7,0**	12	15	**10**	7
41313395	**7,5**	12	15	**10**	7
41313423	**8,0**	12	15	**10**	7
41313451	**8,5**	15	18	**12**	9
41313479	**9,0**	15	18	**12**	9
41313507	**9,5**	15	18	**12**	9
41313535	**10,0**	15	18	**12**	9
41313563	**10,5**	18	22	**12**	8
41313591	**12,0**	18	22	**12**	8

ART. 41313



Bussola DIN 172 A lunga
Long bush DIN 172 A

Descrizione:
Bussola di mascheraggio DIN 172 A lunga con collare.
Materiale acciaio 16 Cr Ni 4.
Esecuzione cementata, temprata, rettificata. Durezza HRC 62 ± 2.

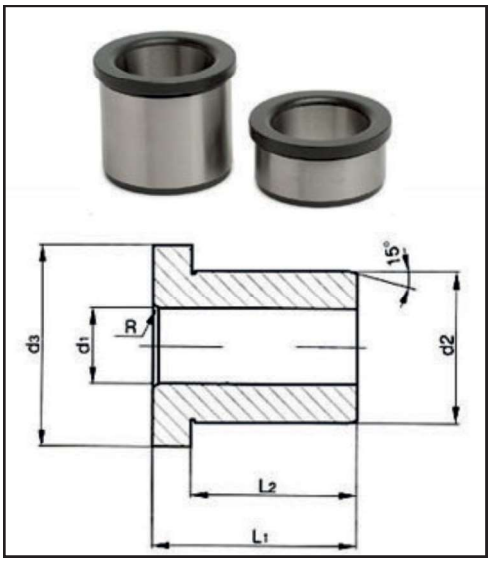
Long bush DIN 172 A with collar.
Material steel 16 Cr Ni 4.
Finishing: casehardened, tempered, ground, polished.
Hardness HRC 62 ± 2.

ART. 41316

Dati tecnici / Technical data

cod. code	d1 F7 [mm]	d2 n6 [mm]	d3 [mm]	L1 [mm]	L2 [mm]
41316087	**2,0**	5	8	**9**	7
41316115	**2,5**	5	8	**9**	7
41316143	**3,0**	6	9	**12**	9,5
41316171	**3,5**	7	10	**12**	9,5
41316185	**3,8**	7	10	**12**	9,5
41316199	**4,0**	7	10	**12**	9,5
41316227	**4,5**	8	11	**12**	9,5
41316255	**5,0**	8	11	**12**	9,5
41316283	**5,5**	10	13	**16**	13
41316311	**6,0**	10	13	**16**	13
41316339	**6,5**	12	15	**16**	13
41316367	**7,0**	12	15	**16**	13
41316395	**7,5**	12	15	**16**	13
41316423	**8,0**	12	15	**16**	13
41316451	**8,5**	15	18	**20**	17
41316479	**9,0**	15	18	**20**	17
41316507	**9,5**	15	18	**20**	17
41316535	**10,0**	15	18	**20**	17
41316563	**10,5**	18	22	**20**	16
41316591	**12,0**	18	22	**20**	16

ART. 41316



Normalizzati per stampi - Anelli di centraggio - Centraggi conici

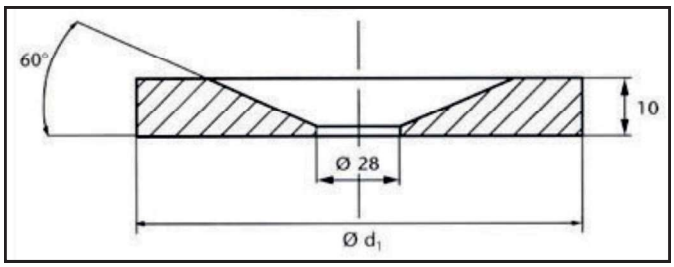
Anello di centraggio
Centering collar

ART. 41343 GnuBo

Descrizione:
Anello di centraggio.
Materiale acciaio C 45.

Centering collar.
Material steel C 45.

ART. 41343 Dati tecnici Technical data	
cod. code	d1 [mm]
41343080	**80**
41343100	**100**
41343125	**125**
41343150	**150**



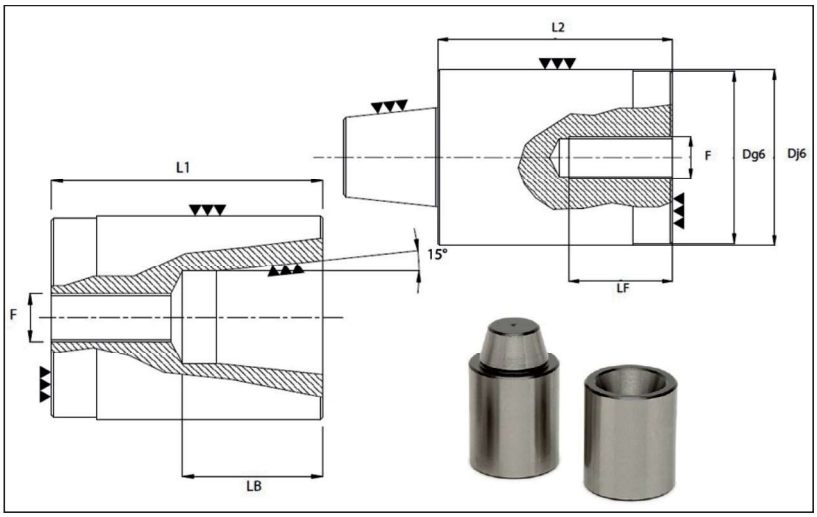
Normalizzati per stampi - Centraggi conici

Centraggio conico
Conical centering device

ART. 41347 GnuBo

Descrizione:
Centraggio conico tipo Europa in acciaio 16 Cr Ni 4, cementato, temperato e rettificato. Durezza HRC 60 - 62.

Conical centering device, Europa kind made of steel 16 Cr Ni 4, casehardened, hardened and ground. Hardness HRC 60 - 62.

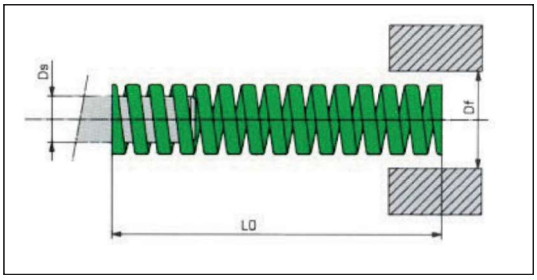


ART. 41347 Dati tecnici / Technical data							
cod. code	D [mm]	L [mm]	L1 [mm]	L2 [mm]	LB [mm]	LF [mm]	FMA [mm]
41347160	**16**	34	17	17	8	10	5MA
41347200	**20**	54	27	27	13	15	8MA
41347250	**25**	54	27	27	15	15	8MA
41347320	**32**	72	36	36	20	18	10MA

LEGGENDA DELLE MOLLE PER STAMPI LEGEND FOR MOULD SPRING		
Df	mm	*diametro del foro* / *hole's diameter*
Ds	mm	*diam. della spina* / *pin's diameter*
LO	mm	*lunghezza libera* / *free length*
Lb	mm	*lunghezza a blocco* / *solid length*
fb	mm	*freccia a blocco* / *solid deflect*
Rg	N/mm	*rigidità* / *stiffness*
f	mm	*freccia* / *deflect*
P	N	*carico* / *load*
13% fb	*valori minimi di precarica* / *minima precharge values*	
30% fb	*valori massimi di precarica* / *maxima precharge values*	
45% fb	*valori minimi consigliati* / *minima recommended values*	
62% fb	*valori massimi consigliati* / *maxima recommended values*	
80% fb	*valori al limite di snervamento* / *maxima values close to yelding*	
P = Rg x f		
Kgf = N/9,8		

Molla per carichi leggeri CL, verde
Light duty spring CL, green

ART. 41405 GnuBo



Descrizione:
Molla a sezione rettangolare per carichi leggeri, serie ISO 10243 CL. Colore verde. Materiale acciaio al cromo-vanadio. Con questo tipo di materiale l'ampiezza di sollecitazione delle molle, con garanzia di lunga durata a fatica, è pari a 40 kg/mm², con un valore massimo consigliato di 80 kg/mm², corrispondente al valore della freccia f pari al 62% della freccia a blocco fb.

Light duty spring with rectangular wire section, serie ISO 10243 CL. Colour green. Material chromium-vanadium steel. With this type of material the recommended stress amplitude of the springs, guaranteed for long-life resistance to fatigue, is 40 kg/mm², with a maximum recommended value of 80 kg/mm², correspondent to a deflection f equal to 62% of solid deflection fb.

LEGENDA MOLLE PER STAMPI A PAG.243

ART. 41405

Dati tecnici / Technical data

cod. code	tipo type	Df	Ds	LO	Lb	fb	Rg	13% fb		30% fb		45% fb		62% fb		80% fb	
								f	P	f	P	f	P	f	P	f	P
		[mm]	[mm]	[mm]	[mm]	[mm]	[N/mm]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]	[N]
41405013	CL 10x25	**10**	5	**25**	12	13	10,0	1,7	17	3,9	39	5,8	58	8,0	80	10,3	103
41405021	CL 10x32	**10**	5	**32**	16	16	8,5	2,1	18	4,9	42	7,4	63	10,2	86	13,1	111
41405029	CL 10x38	**10**	5	**38**	18	20	6,8	2,5	17	5,9	40	8,8	60	12,1	82	15,6	106
41405037	CL 10x44	**10**	5	**44**	21	23	6,0	2,9	18	6,8	41	10,1	61	14,0	84	18,0	108
41405045	CL 10x51	**10**	5	**51**	25	26	5,0	3,4	17	7,8	39	11,8	59	16,2	81	20,9	105
41405053	CL 10x64	**10**	5	**64**	31	33	4,3	4,2	18	9,8	42	14,6	63	20,2	87	26,0	112
41405061	CL 10x76	**10**	5	**76**	37	39	3,2	5,1	16	11,7	37	17,6	56	24,2	77	31,2	100
41405069	CL 13x25	**12,5**	6,3	**25**	12	13	17,9	1,7	30	3,9	69	5,8	104	8,0	143	10,3	184
41405077	CL 13x32	**12,5**	6,3	**32**	16	16	16,4	2,1	35	4,9	81	7,4	121	10,2	167	13,1	215
41405085	CL 13x38	**12,5**	6,3	**38**	18	20	13,6	2,5	34	5,9	80	8,8	119	12,1	164	15,6	212
41405093	CL 13x44	**12,5**	6,3	**44**	21	23	12,1	2,9	35	6,8	82	10,1	123	14,0	169	18,0	218
41405101	CL 13x51	**12,5**	6,3	**51**	25	26	11,4	3,4	39	7,8	89	11,8	134	16,2	185	20,9	238
41405109	CL 13x64	**12,5**	6,3	**64**	31	33	9,3	4,3	40	9,9	92	14,8	138	20,4	190	26,3	245
41405117	CL 13x76	**12,5**	6,3	**76**	37	39	7,1	5,1	36	11,7	83	17,6	125	24,2	172	31,2	222
41405125	CL 13x89	**12,5**	6,3	**89**	43	46	5,4	5,9	32	13,7	74	20,5	111	28,3	153	36,5	197
41405133	CL 16x25	**16**	8	**25**	12	13	23,4	1,7	39	3,9	90	5,8	136	8,0	187	10,3	241
41405141	CL 16x32	**16**	8	**32**	16	16	22,9	2,1	49	4,9	112	7,4	169	10,2	232	13,1	300
41405149	CL 16x38	**16**	8	**38**	18	20	19,3	2,5	49	5,9	113	8,8	169	12,1	233	15,6	301
41405157	CL 16x44	**16**	8	**44**	21	23	17,1	2,9	50	6,8	115	10,1	173	14,0	239	18,0	308
41405165	CL 16x51	**16**	8	**51**	25	26	15,7	3,4	53	7,8	123	11,8	185	16,2	254	20,9	328
41405173	CL 16x64	**16**	8	**64**	31	33	10,7	4,3	46	9,9	106	14,8	158	20,4	218	26,3	281
41405181	CL 16x76	**16**	8	**76**	37	39	10,0	5,1	51	11,7	117	17,6	176	24,2	242	31,2	312
41405189	CL 16x89	**16**	8	**89**	43	46	8,6	5,9	51	13,7	118	20,5	177	28,3	243	36,5	314
41405197	CL 16x102	**16**	8	**102**	50	52	7,8	6,8	53	15,7	122	23,5	183	32,4	253	41,8	326
41405205	CL 19x25	**20**	10	**25**	12	13	55,8	1,7	92	3,8	213	5,7	320	7,9	441	10,2	569
41405213	CL 19x32	**20**	10	**32**	16	16	45,0	2,0	91	4,7	211	7,0	316	9,7	436	12,5	563
41405221	CL 19x38	**20**	10	**38**	19	19	33,3	2,4	81	5,6	187	8,4	281	11,6	387	15,0	500
41405229	CL 19x44	**20**	10	**44**	22	22	30,0	2,9	86	6,6	198	9,9	297	13,6	409	18,0	540
41405237	CL 19x51	**20**	10	**51**	26	25	24,5	3,3	80	7,5	184	11,3	276	15,5	380	20,0	490
41405245	CL 19x64	**20**	10	**64**	33	31	20,0	4,1	81	9,4	188	14,1	281	19,4	388	25,0	500
41405253	CL 19x76	**20**	10	**76**	39	37	16,0	4,8	77	11,1	178	16,7	266	22,9	367	30,0	480
41405261	CL 19x89	**20**	10	**89**	45	44	14,0	5,7	80	13,1	184	19,7	276	27,1	380	35,0	490
41405269	CL 19x102	**20**	10	**102**	51	51	12,0	6,7	80	15,4	185	23,1	277	31,8	381	41,0	492
41405277	CL 19x115	**20**	10	**115**	58	58	10,9	7,5	81	17,3	188	25,9	282	35,7	389	46,0	501
41405285	CL 19x127	**20**	10	**127**	63	64	9,5	8,3	79	19,1	182	28,7	273	39,5	375	51,0	485
41405293	CL 19x139	**20**	10	**139**	69	70	8,4	9,1	76	21,0	176	31,5	265	43,4	365	56,0	470
41405301	CL 19x152	**20**	10	**152**	76	76	7,5	9,9	74	22,9	172	34,3	257	47,3	355	61,0	458
41405309	CL 26x25	**25**	12,5	**25**	12	13	100,0	1,7	166	3,8	383	5,7	574	7,9	791	10,2	1020
41405317	CL 26x32	**25**	12,5	**32**	16	16	80,3	2,0	163	4,7	376	7,0	565	9,7	778	12,5	1004
41405325	CL 26x38	**25**	12,5	**38**	19	19	62,0	2,4	151	5,6	349	8,4	523	11,6	721	15,0	930
41405333	CL 26x44	**25**	12,5	**44**	22	22	52,9	2,9	151	6,6	349	9,9	524	13,6	722	18,0	952
41405341	CL 26x51	**25**	12,5	**51**	26	25	44,0	3,3	143	7,5	330	11,3	495	15,5	682	20,0	880
41405349	CL 26x64	**25**	12,5	**64**	33	31	35,2	4,1	143	9,4	330	14,1	495	19,4	682	25,0	880
41405357	CL 26x76	**25**	12,5	**76**	39	37	28,0	4,8	135	11,1	311	16,7	466	22,9	642	30,0	840
41405365	CL 26x89	**25**	12,5	**89**	45	44	24,0	5,7	137	13,1	315	19,7	473	27,1	651	35,0	840
41405373	CL 26x102	**25**	12,5	**102**	51	51	21,1	6,7	141	15,4	324	23,1	487	31,8	670	41,0	865
41405381	CL 26x115	**25**	12,5	**115**	58	58	18,7	7,5	140	17,3	323	25,9	484	35,7	667	46,0	860
41405389	CL 26x127	**25**	12,5	**127**	63	64	16,7	8,3	138	19,1	319	28,7	479	39,5	660	51,0	852
41405397	CL 26x139	**25**	12,5	**139**	69	70	15,3	9,1	139	21,0	321	31,5	482	43,4	664	46,0	857
41405405	CL 26x152	**25**	12,5	**152**	76	76	14,0	9,9	139	22,9	320	34,3	480	47,3	662	61,0	854
41405413	CL 26x178	**25**	12,5	**178**	89	89	12,5	11,5	144	26,6	333	39,9	499	55,0	688	71,0	888
41405421	CL 26x203	**25**	12,5	**203**	96	107	10,4	13,9	145	32,1	334	48,2	501	66,3	690	81,0	842

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ART. 41405

Dati tecnici / Technical data

cod. code	tipo type	Df	Ds	LO	Lb	fb	Rg	13% fb		30% fb		45% fb		62% fb		80% fb	
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		[mm]	[mm]	[mm]	[mm]	[mm]	[N/mm]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]	[N]
41405429	CL 32x38	**32**	16	**38**	19	19	94,0	2,5	232	5,7	536	8,6	804	11,8	1107	15,0	1410
41405437	CL 32x44	**32**	16	**44**	22	22	79,5	2,9	227	6,6	525	9,9	787	13,6	1084	18,0	1431
41405445	CL 32x51	**32**	16	**51**	26	25	67,0	3,3	218	7,5	503	11,3	754	15,5	1039	20,0	1340
41405453	CL 32x64	**32**	16	**64**	32	32	53,0	4,2	220	9,6	509	14,4	763	19,8	1052	25,0	1325
41405461	CL 32x76	**32**	16	**76**	37	39	44,0	5,1	223	11,7	515	17,6	772	24,2	1064	30,0	1320
41405469	CL 32x89	**32**	16	**89**	44	45	37,2	5,9	218	13,5	502	20,3	753	27,9	1038	35,0	1302
41405477	CL 32x102	**32**	16	**102**	50	52	32,0	6,8	216	15,6	499	23,4	749	32,2	1032	41,0	1312
41405485	CL 32x115	**32**	16	**115**	57	58	29,0	7,5	219	17,4	505	26,1	757	36,0	1043	46,0	1334
41405493	CL 32x127	**32**	16	**127**	62	65	25,0	8,5	211	19,5	488	29,3	731	40,3	1008	51,0	1275
41405501	CL 32x152	**32**	16	**152**	74	78	21,5	10,1	218	23,4	503	35,1	755	48,4	1040	61,0	1312
41405509	CL 32x178	**32**	16	**178**	90	88	18,2	11,4	208	26,4	480	39,6	721	54,6	993	71,0	1292
41405517	CL 32x203	**32**	16	**203**	99	104	15,8	13,5	214	31,2	493	46,8	739	64,5	1019	81,0	1280
41405525	CL 32x254	**32**	16	**254**	124	130	12,5	16,9	211	39,0	488	58,5	731	80,6	1008	102,0	1275
41405533	CL 32x305	**32**	16	**305**	150	155	10,3	20,2	208	46,5	479	69,8	718	96,1	990	122,0	1257
41405541	CL 38x51	**40**	20	**51**	26	25	92,0	3,3	299	7,5	690	11,3	1035	15,5	1426	20,0	1840
41405549	CL 38x64	**40**	20	**64**	32	32	73,0	4,2	304	9,6	701	14,4	1051	19,8	1448	25,0	1825
41405557	CL 38x76	**40**	20	**76**	38	38	63,0	4,9	311	11,4	718	17,1	1077	23,6	1484	30,0	1890
41405565	CL 38x89	**40**	20	**89**	44	45	51,0	5,9	298	13,5	689	20,3	1033	27,9	1423	35,0	1785
41405573	CL 38x102	**40**	20	**102**	51	51	43,0	6,6	285	15,3	658	23,0	987	31,6	1360	41,0	1763
41405581	CL 38x115	**40**	20	**115**	57	58	39,6	7,5	299	17,4	689	26,1	1034	36,0	1424	46,0	1822
41405589	CL 38x127	**40**	20	**127**	62	65	37,0	8,5	313	19,5	722	29,3	1082	40,3	1491	51,0	1887
41405597	CL 38x152	**40**	20	**152**	74	78	28,0	10,1	284	23,4	655	35,1	983	48,4	1354	61,0	1708
41405605	CL 38x178	**40**	20	**178**	86	92	25,2	12,0	301	27,6	696	41,4	1043	57,0	1437	71,0	1789
41405613	CL 38x203	**40**	20	**203**	98	105	22,7	13,7	310	31,5	715	47,3	1073	65,1	1478	81,0	1839
41405621	CL 38x254	**40**	20	**254**	123	131	17,0	17,0	290	39,3	668	59,0	1002	81,2	1381	102,0	1734
41405629	CL 38x305	**40**	20	**305**	148	157	14,8	20,4	302	47,1	697	70,7	1046	97,3	1441	122,0	1806
41405637	CL 51x64	**50**	25	**64**	32	32	156,0	4,2	649	9,6	1498	14,4	2246	19,8	3095	25,0	3900
41405645	CL 51x76	**50**	25	**76**	37	39	125,0	5,1	634	11,7	1463	17,6	2194	24,2	3023	30,0	3750
41405653	CL 51x89	**50**	25	**89**	44	45	109,0	5,9	638	13,5	1472	20,3	2207	27,9	3041	35,0	3815
41405661	CL 51x102	**50**	25	**102**	50	52	94,0	6,8	635	15,6	1466	23,4	2200	32,2	3031	41,0	3854
41405669	CL 51x115	**50**	25	**115**	57	58	81,0	7,5	611	17,4	1409	26,1	2114	36,0	2913	46,0	3726
41405677	CL 51x127	**50**	25	**127**	62	65	71,0	8,5	600	19,5	1385	29,3	2077	40,3	2861	51,0	3621
41405685	CL 51x152	**50**	25	**152**	74	78	60,0	10,1	608	23,4	1404	35,1	2106	48,4	2902	61,0	3660
41405693	CL 51x178	**50**	25	**178**	86	92	52,0	12,0	622	27,6	1435	41,4	2153	57,0	2966	71,0	3692
41405701	CL 51x203	**50**	25	**203**	99	104	44,0	13,5	595	31,2	1373	46,8	2059	64,5	2837	81,0	3564
41405709	CL 51x254	**50**	25	**254**	124	130	35,0	16,9	592	39,0	1365	58,5	2048	80,6	2821	102,0	3570
41405717	CL 51x305	**50**	25	**305**	149	156	28,5	20,3	578	46,8	1334	70,2	2001	96,7	2757	122,0	3477

Molla per carichi medi CM, blu
Medium duty spring CM, blue

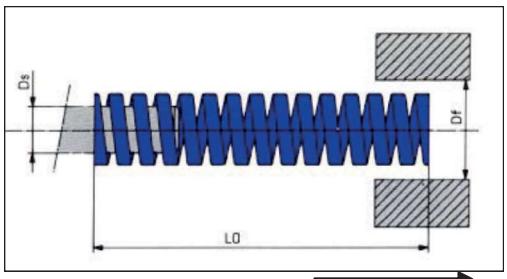
LEGENDA MOLLE PER STAMPI A PAG.243

ART. 41410 GnuBo

Descrizione:

Molla a sezione rettangolare per carichi medi, serie ISO 10243 CM. Colore blu. Materiale acciaio al cromo-vanadio. Con questo tipo di materiale l'ampiezza di sollecitazione delle molle, con garanzia di lunga durata a fatica, è pari a 40 kg/mm², con un valore massimo consigliato di 80 kg/mm², corrispondente al valore della freccia f pari al 62% della freccia a blocco fb.

Medium duty spring with rectangular wire section, serie ISO 10423 CM. Colour blue. Material chromium-vanadium steel. With this type of material the recommended stress amplitude of the springs, guaranteed for long-life resistance to fatigue, is 40 kg/mm², with a maximum recommended value of 80 kg/mm², correspondent to a deflection f equal to 62% of solid deflection fb.



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ART. 41410

Dati tecnici / Technical data

cod. code	tipo type	Df	Ds	LO	Lb	fb	Rg	13% fb		30% fb		45% fb		62% fb		80% fb	
								f	P	f	P	f	P	f	P	f	P
		[mm]	[mm]	[mm]	[mm]	[mm]	[N/mm]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]	[N]
41410013	CM 10x25	**10**	5	**25**	13	12	16,0	1,5	25	3,6	57	5,3	86	7,4	118	9,5	152
41410021	CM 10x32	**10**	5	**32**	17	15	13,0	2,0	26	4,6	59	6,9	89	9,5	123	12,2	159
41410029	CM 10x38	**10**	5	**38**	20	18	11,9	2,3	28	5,4	64	8,1	96	11,2	133	14,4	171
41410037	CM 10x44	**10**	5	**44**	23	21	10,3	2,7	28	6,3	65	9,4	97	12,9	133	16,7	172
41410045	CM 10x51	**10**	5	**51**	27	24	8,9	3,2	28	7,3	65	10,9	97	15,0	134	19,4	173
41410053	CM 10x64	**10**	5	**64**	34	30	7,5	3,9	30	9,1	68	13,7	103	18,8	141	24,3	182
41410061	CM 10x76	**10**	5	**76**	40	36	5,3	4,7	25	10,8	57	16,3	86	22,4	119	28,9	153
41410069	CM 13x25	**12,5**	6,3	**25**	13	12	30,0	1,5	46	3,6	107	5,3	160	7,4	221	9,5	285
41410077	CM 13x32	**12,5**	6,3	**32**	17	15	24,8	2,0	49	4,6	113	6,9	170	9,5	234	12,2	303
41410085	CM 13x38	**12,5**	6,3	**38**	20	18	21,4	2,3	50	5,4	116	8,1	173	11,2	239	14,4	308
41410093	CM 13x44	**12,5**	6,3	**44**	23	21	18,5	2,7	50	6,3	116	9,4	174	12,9	239	16,7	309
41410101	CM 13x51	**12,5**	6,3	**51**	27	24	15,5	3,2	49	7,3	113	10,9	169	15,0	233	19,4	301
41410109	CM 13x64	**12,5**	6,3	**64**	36	30	12,1	3,9	48	9,1	110	13,7	165	18,8	228	24,3	294

Molla per carichi medi CM - Medium duty spring CM

ART. 41410

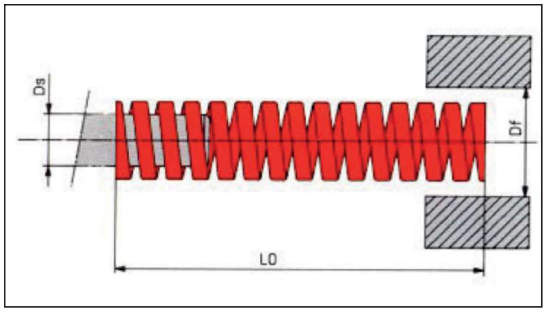
Dati tecnici / Technical data

cod. code	tipo type	Df	Ds	LO	Lb	fb	Rg	13% fb		30% fb		45% fb		62% fb		80% fb	
								f	P	f	P	f	P	f	P	f	P
		[mm]	[mm]	[mm]	[mm]	[mm]	[N/mm]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]	[N]
41410117	CM 13x76	**12,5**	6,3	**76**	40	36	10,2	4,7	48	10,8	111	16,3	166	22,4	228	28,9	295
41410125	CM 13x89	**12,5**	6,3	**89**	47	42	8,4	5,5	46	12,7	106	19,0	160	26,2	220	33,8	284
41410133	CM 16x25	**16**	8	**25**	13	12	49,4	1,5	76	3,6	176	5,3	264	7,4	364	9,5	469
41410141	CM 16x32	**16**	8	**32**	17	15	37,1	2,0	74	4,6	170	6,9	255	9,5	351	12,2	453
41410149	CM 16x38	**16**	8	**38**	20	18	33,9	2,3	79	5,4	183	8,1	275	11,2	378	14,4	488
41410157	CM 16x44	**16**	8	**44**	23	21	30,0	2,7	81	6,3	188	9,4	282	12,9	388	16,7	501
41410165	CM 16x51	**16**	8	**51**	27	24	26,4	3,2	83	7,3	192	10,9	288	15,0	397	19,4	512
41410173	CM 16x64	**16**	8	**64**	34	30	20,5	3,9	81	9,1	187	13,7	280	18,8	386	24,3	498
41410181	CM 16x76	**16**	8	**76**	40	36	17,8	4,7	84	10,8	193	16,3	289	22,4	399	28,9	514
41410189	CM 16x89	**16**	8	**89**	47	42	15,2	5,5	83	12,7	193	19,0	289	26,2	398	33,8	514
41410197	CM 16x102	**16**	8	**102**	53	49	13,5	6,3	85	14,6	196	21,8	295	30,1	406	38,8	524
41410205	CM 19x25	**20**	10	**25**	13	12	98,0	1,5	150	3,5	345	5,3	518	7,3	714	9,4	921
41410213	CM 19x32	**20**	10	**32**	17	15	72,6	2,0	142	4,5	327	6,8	490	9,3	675	12,0	871
41410221	CM 19x38	**20**	10	**38**	20	18	56,0	2,3	127	5,3	294	7,9	441	10,9	608	14,0	784
41410229	CM 19x44	**20**	10	**44**	23	21	47,5	2,7	127	6,2	294	9,3	441	12,8	607	16,5	784
41410237	CM 19x51	**20**	10	**51**	27	24	41,7	3,1	129	7,1	297	10,7	446	14,7	614	19,0	792
41410245	CM 19x64	**20**	10	**64**	34	30	32,3	3,9	126	9,0	291	13,5	436	18,6	601	24,0	775
41410253	CM 19x76	**20**	10	**76**	41	35	25,1	4,6	114	10,5	264	15,8	395	21,7	545	28,0	703
41410261	CM 19x89	**20**	10	**89**	48	41	22,0	5,4	118	12,4	272	18,6	408	25,6	563	33,0	726
41410269	CM 19x102	**20**	10	**102**	54	48	19,8	6,2	122	14,3	282	21,4	423	29,5	583	38,0	752
41410277	CM 19x115	**20**	10	**115**	61	54	18,1	7,0	126	16,1	292	24,2	438	33,3	603	43,0	778
41410285	CM 19x127	**20**	10	**127**	67	60	16,6	7,8	129	18,0	299	27,0	448	37,2	618	48,0	797
41410293	CM 19x139	**20**	10	**139**	74	65	15,1	8,5	128	19,5	294	29,3	442	40,3	609	52,0	785
41410301	CM 19x152	**20**	10	**152**	81	71	13,2	9,3	122	21,4	282	32,1	423	44,2	583	57,0	752
41410309	CM 26x25	**25**	12,5	**25**	13	12	147,0	1,5	225	3,5	518	5,3	777	7,3	1071	9,4	1382
41410317	CM 26x32	**25**	12,5	**32**	17	15	118,0	2,0	230	4,5	531	6,8	797	9,3	1097	12,0	1416
41410325	CM 26x38	**25**	12,5	**38**	20	18	93,0	2,3	212	5,3	488	7,9	732	10,9	1009	14,0	1302
41410333	CM 26x44	**25**	12,5	**44**	23	21	80,8	2,7	217	6,2	500	9,3	750	12,8	1033	16,5	1333
41410341	CM 26x51	**25**	12,5	**51**	27	24	68,6	3,1	212	7,1	489	10,7	733	14,7	1010	19,0	1303
41410349	CM 26x64	**25**	12,5	**64**	34	30	53,0	3,9	207	9,0	477	13,5	716	18,6	986	24,0	1272
41410357	CM 26x76	**25**	12,5	**76**	41	35	43,2	4,6	197	10,5	454	15,8	680	21,7	937	28,0	1210
41410365	CM 26x89	**25**	12,5	**89**	48	41	38,2	5,4	205	12,4	473	18,6	709	25,6	977	33,0	1261
41410373	CM 26x102	**25**	12,5	**102**	54	48	33,0	6,2	204	14,3	470	21,4	705	29,5	972	38,0	1254
41410381	CM 26x115	**25**	12,5	**115**	61	54	28,0	7,0	196	16,1	452	24,2	677	33,3	933	43,0	1204
41410389	CM 26x127	**25**	12,5	**127**	67	60	25,9	7,8	202	18,0	466	27,0	699	37,2	963	48,0	1243
41410397	CM 26x139	**25**	12,5	**139**	74	65	23,2	8,5	196	19,5	452	29,3	679	40,3	935	52,0	1206
41410410	CM 26x152	**25**	12,5	**152**	81	71	20,8	9,3	193	21,4	445	32,1	667	44,2	919	57,0	1186
41410413	CM 26x178	**25**	12,5	**178**	94	84	17,8	10,9	194	25,1	447	37,7	671	51,9	924	67,0	1193
41410421	CM 26x203	**25**	12,5	**203**	108	95	15,8	12,4	195	28,5	450	42,8	675	58,9	931	76,0	1201
41410429	CM 32x38	**32**	16	**38**	20	18	185,0	2,3	421	5,3	971	7,9	1457	10,9	2007	14,0	2590
41410437	CM 32x44	**32**	16	**44**	23	21	158,0	2,7	424	6,2	978	9,3	1466	12,8	2020	16,5	2607
41410445	CM 32x51	**32**	16	**51**	27	24	134,0	3,1	414	7,1	955	10,7	1432	14,7	1973	19,0	2546
41410453	CM 32x64	**32**	16	**64**	34	30	99,0	3,9	386	9,0	891	13,5	1337	18,6	1841	24,0	2376
41410461	CM 32x76	**32**	16	**76**	41	35	80,5	4,6	366	10,5	845	15,8	1268	21,7	1747	28,0	2254
41410469	CM 32x89	**32**	16	**89**	48	41	69,1	5,4	371	12,4	855	18,6	1283	25,6	1767	33,0	2280
41410477	CM 32x102	**32**	16	**102**	54	48	58,8	6,2	363	14,3	838	21,4	1257	29,5	1732	38,0	2234
41410485	CM 32x115	**32**	16	**115**	61	54	51,5	7,0	360	16,1	830	24,2	1246	33,3	1716	43,0	2215
41410493	CM 32x127	**32**	16	**127**	67	60	44,8	7,8	349	18,0	806	27,0	1210	37,2	1667	48,0	2150
41410501	CM 32x152	**32**	16	**152**	81	71	37,8	9,3	350	21,4	808	32,1	1212	44,2	1670	57,0	2155
41410509	CM 32x178	**32**	16	**178**	94	84	32,5	10,9	354	25,1	817	37,7	1225	51,9	1688	67,0	2178
41410517	CM 32x203	**32**	16	**203**	107	95	28,9	12,4	357	28,5	824	42,8	1235	58,9	1702	76,0	2196
41410525	CM 32x254	**32**	16	**254**	135	119	21,4	15,4	330	35,6	762	53,4	1144	73,6	1576	95,0	2033
41410533	CM 32x305	**32**	16	**305**	162	143	18,3	18,5	339	42,8	782	64,1	1173	88,4	1617	114,0	2086
41410541	CM 38x51	**40**	20	**51**	27	24	181,6	3,1	561	7,1	1294	10,7	1941	14,7	2674	19,0	3450
41410549	CM 38x64	**40**	20	**64**	34	30	140,0	3,9	546	9,0	1260	13,5	1890	18,6	2604	24,0	3360
41410557	CM 38x76	**40**	20	**76**	41	35	108,0	4,6	491	10,5	1134	15,8	1701	21,7	2344	28,0	3024
41410565	CM 38x89	**40**	20	**89**	48	41	90,7	5,4	486	12,4	1122	18,6	1684	25,6	2320	33,0	2993
41410573	CM 38x102	**40**	20	**102**	54	48	81,0	6,2	500	14,3	1154	21,4	1731	29,5	2385	38,0	3078
41410581	CM 38x115	**40**	20	**115**	61	54	71,8	7,0	502	16,1	1158	24,2	1737	33,3	2393	43,0	3087
41410589	CM 38x127	**40**	20	**127**	67	60	62,7	7,8	489	18,0	1129	27,0	1693	37,2	2332	48,0	3010
41410597	CM 38x152	**40**	20	**152**	81	71	51,6	9,3	478	21,4	1103	32,1	1654	44,2	2279	57,0	2941
41410605	CM 38x178	**40**	20	**178**	94	84	44,1	10,9	480	25,1	1108	37,7	1662	51,9	2290	67,0	2955
41410613	CM 38x203	**40**	20	**203**	108	95	36,7	12,4	453	28,5	1046	42,8	1569	58,9	2162	76,0	2789
41410621	CM 38x254	**40**	20	**254**	135	119	30,1	15,4	465	35,6	1072	53,4	1608	73,6	2216	95,0	2860
41410629	CM 38x305	**40**	20	**305**	162	143	24,6	18,5	456	42,8	1052	64,1	1577	88,4	2173	114,0	2804
41410653	CM 51x102	**50**	25	**102**	54	48	119,0	6,2	735	14,3	1696	21,4	2544	29,5	3505	38,0	4522
41410661	CM 51x127	**50**	25	**127**	67	60	97,0	7,8	757	18,0	1746	27,0	2619	37,2	3608	48,0	4656
41410735	CM 63x102	**63**	38	**102**	54	48	221,0	6,2	1365	14,3	3149	21,4	4724	29,5	6508	38,0	8398
41410743	CM 63x115	**63**	38	**115**	61	54	187,0	7,0	1307	16,1	3015	24,2	4523	33,3	6232	43,0	8041
41410751	CM 63x127	**63**	38	**127**	67	60	168,0	7,8	1310	18,0	3024	27,0	4536	37,2	6250	48,0	8064

Molla per carichi forti CF, rosso
Heavy duty spring CF, red

LEGENDA MOLLE PER STAMPI A PAG.243

ART. 41415 GnuBo



Descrizione:

Molla a sezione rettangolare per carichi forti, serie ISO 10243 CF. Colore rosso. Materiale acciaio al cromo-vanadio. Con questo tipo di materiale l'ampiezza di sollecitazione delle molle, con garanzia di lunga durata a fatica, è pari a 40 kg/mm², con un valore massimo consigliato di 80 kg/mm², corrispondente al valore della freccia f pari al 62% della freccia a blocco fb.

Heavy duty spring with rectangular wire section, serie ISO 10243 CF. Colour red. Material chromium-vanadium steel. With this type of material the recommended stress amplitude of the springs, guaranteed for long-life resistance to fatigue, is 40 kg/mm², with a maximum recommended value of 80 kg/mm², correspondent to a deflection f equal to 62% of solid deflection fb.

ART. 41415

Dati tecnici / Technical data

cod. code	tipo type	Df [mm]	Ds [mm]	LO [mm]	Lb [mm]	fb [mm]	Rg [N/mm]	13% fb f [mm]	13% fb P [N]	30% fb f [mm]	30% fb P [N]	45% fb f [mm]	45% fb P [N]	62% fb f [mm]	62% fb P [N]	80% fb f [mm]	80% fb P [N]
41415013	CF 10x25	10	5	25	16	9	22,1	1,2	27	2,8	62	4,2	93	5,8	128	7,5	166
41415021	CF 10x32	10	5	32	20	12	17,5	1,5	27	3,5	61	5,3	92	7,3	127	9,6	168
41415029	CF 10x38	10	5	38	24	14	17,1	1,8	31	4,2	72	6,3	108	8,7	148	11,4	195
41415037	CF 10x44	10	5	44	27	17	15,0	2,2	33	5,1	77	7,7	115	10,5	158	13,2	198
41415045	CF 10x51	10	5	51	32	19	12,8	2,5	32	5,7	73	8,6	109	11,8	151	15,3	196
41415053	CF 10x64	10	5	64	39	25	10,7	3,3	35	7,5	80	11,3	120	15,5	166	19,2	205
41415061	CF 10x76	10	5	76	47	29	7,5	3,8	28	8,7	65	13,1	98	18,0	135	22,8	171
41415069	CF 10x305	10	5	305	185	120	2,1	15,6	33	36,0	76	54,0	113	74,4	156	91,5	192
41415077	CF 13x25	12,5	6,3	25	16	9	42,1	1,1	48	2,6	110	3,9	165	5,4	227	7,5	316
41415085	CF 13x32	12,5	6,3	32	21	11	33,2	1,4	47	3,3	110	5,0	164	6,8	226	9,6	319
41415093	CF 13x38	12,5	6,3	38	24	14	29,3	1,8	51	4,1	119	6,1	178	8,4	245	11,4	334
41415101	CF 13x44	12,5	6,3	44	28	16	24,6	2,1	51	4,8	118	7,2	177	9,9	244	13,2	325
41415109	CF 13x51	12,5	6,3	51	32	19	19,6	2,5	48	5,7	112	8,6	168	11,8	231	15,3	300
41415117	CF 13x64	12,5	6,3	64	40	24	15,0	3,1	47	7,2	108	10,8	162	14,9	223	19,2	288
41415125	CF 13x76	12,5	6,3	76	47	29	13,2	3,8	50	8,7	115	13,1	172	18,0	237	22,8	301
41415133	CF 13x89	12,5	6,3	89	56	33	11,4	4,3	49	9,9	113	14,9	169	20,5	233	26,7	304
41415141	CF 13x305	12,5	6,3	305	185	120	2,8	15,6	44	36,0	101	54,0	151	74,4	208	91,5	256
41415149	CF 16x25	16	8	25	16	9	75,7	1,1	86	2,6	198	3,9	296	5,4	408	7,5	568
41415157	CF 16x32	16	8	32	21	11	52,8	1,4	76	3,3	174	5,0	261	6,8	360	9,6	507
41415165	CF 16x38	16	8	38	24	14	48,5	1,8	86	4,1	199	6,2	299	8,5	412	11,4	553
41415173	CF 16x44	16	8	44	28	16	42,8	2,0	87	4,7	202	7,1	302	9,7	417	13,2	565
41415181	CF 16x51	16	8	51	32	19	37,1	2,4	89	5,6	206	8,3	309	11,5	426	15,3	568
41415189	CF 16x64	16	8	64	40	24	30,3	3,1	93	7,1	214	10,6	320	14,6	441	19,2	582
41415197	CF 16x76	16	8	76	47	29	25,7	3,8	97	8,7	224	13,1	335	18,0	462	22,8	586
41415205	CF 16x89	16	8	89	54	35	21,7	4,5	97	10,4	225	15,5	337	21,4	464	26,7	579
41415213	CF 16x102	16	8	102	62	40	19,3	5,2	100	12,0	232	18,0	347	24,8	479	30,6	591
41415221	CF 16x305	16	8	305	183	122	7,1	15,9	113	36,6	260	54,9	390	75,6	537	91,5	650
41415229	CF 19x25	20	10	25	17	8	216,0	1,1	236	2,5	544	3,8	816	5,2	1125	7,5	1620
41415237	CF 19x32	20	10	32	21	11	168,0	1,4	229	3,2	529	4,7	794	6,5	1094	9,6	1613
41415245	CF 19x38	20	10	38	25	13	129,0	1,6	210	3,8	484	5,6	726	7,8	1000	11,0	1419
41415253	CF 19x44	20	10	44	29	15	112,0	1,9	211	4,4	487	6,5	731	9,0	1007	13,0	1456
41415261	CF 19x51	20	10	51	34	17	94,0	2,1	202	5,0	465	7,4	698	10,2	962	15,0	1410
41415269	CF 19x64	20	10	64	43	21	72,1	2,7	197	6,3	454	9,5	681	13,0	939	19,0	1370
41415277	CF 19x76	20	10	76	50	26	59,7	3,4	202	7,8	466	11,7	698	16,1	962	23,0	1373
41415285	CF 19x89	20	10	89	59	30	50,5	3,9	197	9,0	455	13,5	682	18,6	939	27,0	1364
41415293	CF 19x102	20	10	102	67	35	44,2	4,6	201	10,5	464	15,8	696	21,7	959	31,0	1370
41415301	CF 19x115	20	10	115	75	40	38,4	5,2	200	12,0	461	18,0	691	24,8	952	35,0	1344
41415309	CF 19x127	20	10	127	83	44	34,1	5,7	195	13,2	450	19,8	675	27,3	930	38,0	1296
41415317	CF 19x139	20	10	139	90	49	31,0	6,4	197	14,7	456	22,1	684	30,4	942	42,0	1302
41415325	CF 19x152	20	10	152	99	53	28,2	6,9	194	15,9	448	23,9	673	32,9	927	46,0	1297
41415333	CF 19x305	20	10	305	197	108	15,0	14,0	211	32,4	486	48,6	729	67,0	1004	91,0	1365
41415341	CF 26x25	25	12,5	25	16	9	375,0	1,2	439	2,7	1013	4,1	1519	5,6	2093	7,5	2813
41415349	CF 26x32	25	12,5	32	21	11	297,0	1,4	405	3,2	936	4,7	1403	6,5	1933	9,6	2851
41415357	CF 26x38	25	12,5	38	25	13	219,0	1,7	370	3,9	854	5,9	1281	8,1	1765	11,0	2409
41415365	CF 26x44	25	12,5	44	28	16	187,0	2,0	377	4,7	870	7,0	1304	9,6	1797	13,0	2431
41415373	CF 26x51	25	12,5	51	33	18	156,0	2,3	365	5,4	842	8,1	1264	11,2	1741	15,0	2340
41415381	CF 26x64	25	12,5	64	41	23	123,0	2,9	360	6,8	830	10,1	1245	14,0	1716	19,0	2337
41415389	CF 26x76	25	12,5	76	48	28	99,0	3,6	354	8,3	817	12,4	1225	17,1	1688	23,0	2277
41415397	CF 26x89	25	12,5	89	56	33	84,0	4,2	355	9,8	819	14,6	1229	20,2	1693	27,0	2268
41415405	CF 26x102	25	12,5	102	64	38	73,0	4,9	356	11,3	821	16,9	1232	23,3	1697	31,0	2263
41415413	CF 26x115	25	12,5	115	72	43	65,0	5,6	361	12,8	833	19,2	1249	26,5	1721	35,0	2276
41415421	CF 26x127	25	12,5	127	80	47	57,7	6,1	353	14,1	814	21,2	1220	29,1	1681	38,0	2193
41415429	CF 26x139	25	12,5	139	87	52	52,7	6,8	356	15,6	822	23,4	1233	32,2	1699	42,0	2213
41415437	CF 26x152	25	12,5	152	94	58	47,8	7,5	357	17,3	825	25,9	1237	35,7	1704	46,0	2199
41415445	CF 26x178	25	12,5	178	112	66	41,0	8,6	353	19,9	815	29,8	1222	41,1	1684	53,0	2173
41415453	CF 26x203	25	12,5	203	127	76	35,8	9,9	355	22,9	819	34,3	1228	47,3	1692	61,0	2184
41415461	CF 26x305	25	12,5	305	191	114	22,9	14,8	339	34,1	781	51,2	1172	70,5	1615	91,0	2084

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Continua da pag. precedente ...

ART. 41415

Dati tecnici / Technical data

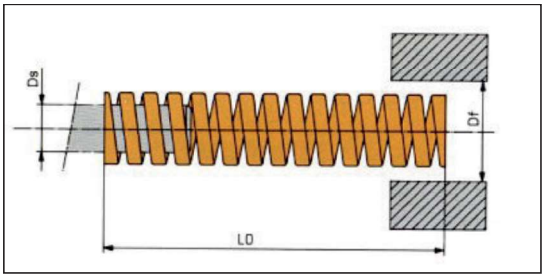
cod. code	tipo type	Df [mm]	Ds [mm]	LO [mm]	Lb [mm]	fb [mm]	Rg [N/mm]	13% fb f [mm]	13% fb P [N]	30% fb f [mm]	30% fb P [N]	45% fb f [mm]	45% fb P [N]	62% fb f [mm]	62% fb P [N]	80% fb f [mm]	80% fb P [N]
41415469	CF 32x38	32	16	38	24	14	388,0	1,8	694	4,1	1601	6,2	2401	8,5	3308	11,0	4268
41415477	CF 32x44	32	16	44	28	16	324,0	2,1	684	4,9	1580	7,3	2369	10,1	3264	13,0	4212
41415485	CF 32x51	32	16	51	32	19	272,0	2,4	663	5,6	1530	8,4	2295	11,6	3162	15,0	4080
41415493	CF 32x64	32	16	64	40	24	212,0	3,1	655	7,1	1511	10,7	2266	14,7	3122	19,0	4028
41415501	CF 32x76	32	16	76	47	29	172,0	3,7	643	8,6	1484	12,9	2225	17,8	3066	23,0	3956
41415509	CF 32x89	32	16	89	55	34	141,0	4,4	619	10,1	1428	15,2	2141	20,9	2950	27,0	3807
41415517	CF 32x102	32	16	102	63	39	122,0	5,0	615	11,6	1418	17,4	2127	24,0	2931	31,0	3782
41415525	CF 32x115	32	16	115	71	44	107,0	5,7	609	13,1	1404	19,7	2107	27,1	2902	35,0	3745
41415533	CF 32x127	32	16	127	79	48	93,0	6,2	574	14,3	1325	21,4	1988	29,5	2739	38,0	3534
41415541	CF 32x139	32	16	139	86	53	86,0	6,8	587	15,8	1355	23,6	2032	32,6	2799	42,0	3612
41415549	CF 32x152	32	16	152	94	58	78,0	7,5	583	17,3	1346	25,9	2018	35,7	2781	46,0	3588
41415557	CF 32x178	32	16	178	112	66	67,2	8,6	579	19,9	1336	29,8	2003	41,1	2760	53,0	3562
41415565	CF 32x203	32	16	203	127	76	59,1	9,9	586	22,9	1352	34,3	2028	47,3	2794	61,0	3605
41415573	CF 32x254	32	16	254	159	95	46,4	12,4	573	28,5	1322	42,8	1984	58,9	2733	76,0	3526
41415581	CF 32x305	32	16	305	191	114	38,0	14,8	562	34,1	1297	51,2	1945	70,5	2680	91,0	3458
41415589	CF 38x51	40	20	51	32	19	350,0	2,4	853	5,6	1969	8,4	2953	11,6	4069	15,0	5250
41415597	CF 38x64	40	20	64	40	24	269,0	3,1	831	7,1	1917	10,7	2875	14,7	3961	19,0	5111
41415605	CF 38x76	40	20	76	47	29	219,0	3,7	819	8,6	1889	12,9	2833	17,8	3904	23,0	5037
41415613	CF 38x89	40	20	89	55	34	190,0	4,4	834	10,1	1924	15,2	2886	20,9	3976	27,0	5130
41415621	CF 38x102	40	20	102	63	39	163,0	5,0	821	11,6	1895	17,4	2842	24,0	3916	31,0	5053
41415629	CF 38x115	40	20	115	71	44	142,0	5,7	808	13,1	1864	19,7	2796	27,1	3852	35,0	4970
41415637	CF 38x127	40	20	127	79	48	128,0	6,2	790	14,3	1824	21,4	2736	29,5	3770	38,0	4864
41415645	CF 38x139	40	20	139	87	53	115,0	6,8	785	15,8	1811	23,6	2717	32,6	3743	42,0	4830
41415653	CF 38x152	40	20	152	94	58	105,0	7,5	785	17,3	1811	25,9	2717	35,7	3743	46,0	4830
41415661	CF 38x178	40	20	178	112	66	89,0	8,6	767	19,9	1769	29,8	2653	41,1	3656	53,0	4717
41415669	CF 38x203	40	20	203	127	76	77,0	9,9	763	22,9	1761	34,3	2642	47,3	3640	61,0	4697
41415677	CF 38x254	40	20	254	159	95	61,0	12,4	753	28,5	1739	42,8	2608	58,9	3593	76,0	4636
41415685	CF 38x305	40	20	305	191	114	51,0	14,8	754	34,1	1740	51,2	2611	70,5	3597	91,0	4641
41415693	CF 51x64	50	25	64	40	24	413,0	3,1	1275	7,1	2943	10,7	4414	14,7	6081	19,0	7847
41415701	CF 51x76	50	25	76	47	29	339,0	3,7	1267	8,6	2924	12,9	4386	17,8	6043	23,0	7797
41415709	CF 51x89	50	25	89	55	34	288,0	4,4	1264	10,1	2916	15,2	4374	20,9	6026	27,0	7776
41415717	CF 51x102	50	25	102	63	39	245,0	5,0	1234	11,6	2848	17,4	4272	24,0	5886	31,0	7595
41415725	CF 51x115	50	25	115	71	44	215,0	5,7	1223	13,1	2822	19,7	4233	27,1	5832	35,0	7525
41415733	CF 51x127	50	25	127	79	48	192,0	6,2	1186	14,3	2736	21,4	4104	29,5	5654	38,0	7296
41415741	CF 51x139	50	25	139	86	53	168,0	6,8	1147	15,8	2646	23,6	3969	32,6	5468	42,0	7056
41415749	CF 51x152	50	25	152	94	58	154,0	7,5	1151	17,3	2657	25,9	3985	35,7	5490	46,0	7084
41415757	CF 51x178	50	25	178	112	66	134,0	8,6	1154	19,9	2663	29,8	3995	41,1	5504	53,0	7102
41415765	CF 51x203	50	25	203	127	76	117,0	9,9	1160	22,9	2676	34,3	4015	47,3	5531	61,0	7137
41415773	CF 51x254	50	25	254	159	95	89,0	12,4	1099	28,5	2537	42,8	3805	58,9	5242	76,0	6764
41415781	CF 51x305	50	25	305	191	114	73,0	14,8	1079	34,1	2491	51,2	3737	70,5	5148	91,0	6643

Molla per carichi extra forti CXF, giallo
Extra-heavy duty spring CXF, yellow

ART. 41420 GnuBo

Descrizione:
Molla a sezione rettangolare per carichi extra forti, serie ISO 10243 CXF. Colore giallo. Materiale acciaio al cromo-vanadio. Con questo tipo di materiale l'ampiezza di sollecitazione delle molle, con garanzia di lunga durata a fatica, è pari a 40 kg/mm², con un valore massimo consigliato di 80 kg/mm², corrispondente al valore della freccia f pari al 62% della freccia a blocco fb.

Extra-heavy duty spring with rectangular wire section, serie ISO 10243 CXF. Colour yellow. Material chromium-vanadium steel. With this type of material the recommended stress amplitude of the springs, guaranteed for long-life resistance to fatigue, is 40 kg/mm², with a maximum recommended value of 80 kg/mm², correspondent to a deflection f equal to 62% of solid deflection fb.



Scheda tecnica a pag.successiva ...

LEGENDA MOLLE PER STAMPI A PAG.244

ART. 41420

Dati tecnici / Technical data

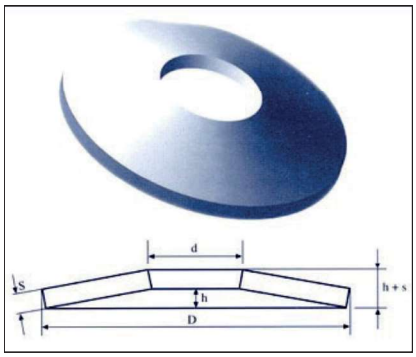
cod. code	tipo type	Df	Ds	LO	Lb	fb	Rg	13% fb		30% fb		45% fb		62% fb		80% fb	
								f	P	f	P	f	P	f	P	f	P
		[mm]	[mm]	[mm]	[mm]	[mm]	[N/mm]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]	[N]	[mm]	[N]
41420013	CXF 10X 25	**10**	5	**25**	17	8	36,8	1,0	37	2,3	86	3,5	128	4,8	177	6,2	228
41420021	CXF 10X 32	**10**	5	**32**	22	10	27,9	1,3	36	3,0	84	4,5	126	6,2	173	8,0	223
41420029	CXF 10X 38	**10**	5	**38**	26	12	23,7	1,5	37	3,6	84	5,3	127	7,4	174	9,5	225
41420037	CXF 10X 44	**10**	5	**44**	30	14	19,2	1,8	34	4,1	79	6,2	119	8,5	164	11,0	211
41420045	CXF 10X 51	**10**	5	**51**	35	16	16,5	2,1	35	4,9	80	7,3	121	10,1	166	13,0	215
41420053	CXF 10X 64	**10**	5	**64**	44	20	13,2	2,6	34	6,0	79	9,0	119	12,4	164	16,0	211
41420061	CXF 10X 76	**10**	5	**76**	52	24	10,9	3,1	34	7,1	78	10,7	116	14,7	161	19,0	207
41420069	CXF 13X 25	**13**	7	**25**	17	8	58,5	1,0	59	2,3	136	3,5	204	4,8	281	6,2	363
41420077	CXF 13X 32	**13**	7	**32**	22	10	43,9	1,3	57	3,0	132	4,5	198	6,2	272	8,0	351
41420085	CXF 13X 38	**13**	7	**38**	26	12	36,0	1,5	56	3,6	128	5,3	192	7,4	265	9,5	342
41420093	CXF 13X 44	**13**	7	**44**	30	14	30,3	1,8	54	4,1	125	6,2	187	8,5	258	11,0	333
41420101	CXF 13X 51	**13**	7	**51**	35	16	26,2	2,1	55	4,9	128	7,3	192	10,1	264	13,0	341
41420109	CXF 13X 64	**13**	7	**64**	44	20	21,2	2,6	55	6,0	127	9,0	191	12,4	263	16,0	339
41420117	CXF 13X 76	**13**	7	**76**	52	24	17,1	3,1	53	7,1	122	10,7	183	14,7	252	19,0	325
41420125	CXF 13X 89	**13**	7	**89**	61	28	14,5	3,6	52	8,3	120	12,4	179	17,1	247	22,0	319
41420133	CXF 16X 25	**16**	8	**25**	17	8	118,0	1,0	119	2,3	274	3,5	412	4,8	567	6,2	732
41420141	CXF 16X 32	**16**	8	**32**	22	10	89,0	1,3	116	3,0	267	4,5	401	6,2	552	8,0	712
41420149	CXF 16X 38	**16**	8	**38**	26	12	72,1	1,5	111	3,6	257	5,3	385	7,4	531	9,5	685
41420157	CXF 16X 44	**16**	8	**44**	30	14	60,9	1,8	109	4,1	251	6,2	377	8,5	519	11,0	670
41420165	CXF 16X 51	**16**	8	**51**	35	16	52,3	2,1	110	4,9	255	7,3	382	10,1	527	13,0	680
41420173	CXF 16X 64	**16**	8	**64**	44	20	41,2	2,6	107	6,0	247	9,0	371	12,4	511	16,0	659
41420181	CXF 16X 76	**16**	8	**76**	52	24	34,1	3,1	105	7,1	243	10,7	364	14,7	502	19,0	648
41420189	CXF 16X 89	**16**	8	**89**	61	28	29,5	3,6	105	8,3	243	12,4	365	17,1	503	22,0	649
41420197	CXF 16X102	**16**	8	**102**	69	33	25,6	4,2	108	9,8	250	14,6	374	20,2	516	26,0	666
41420205	CXF 19X 25	**20**	10	**25**	17	8	293,0	1,0	295	2,3	681	3,5	1022	4,8	1408	6,2	1817
41420213	CXF 19X 32	**20**	10	**32**	22	10	224,0	1,3	291	3,0	672	4,5	1008	6,2	1389	8,0	1792
41420221	CXF 19X 38	**20**	10	**38**	26	12	177,0	1,5	273	3,6	631	5,3	946	7,4	1303	9,5	1682
41420229	CXF 19X 44	**20**	10	**44**	30	14	149,0	1,8	266	4,1	615	6,2	922	8,5	1270	11,0	1639
41420237	CXF 19X 51	**20**	10	**51**	35	16	128,0	2,1	270	4,9	624	7,3	936	10,1	1290	13,0	1664
41420245	CXF 19X 64	**20**	10	**64**	44	20	99,0	2,6	257	6,0	594	9,0	891	12,4	1228	16,0	1584
41420253	CXF 19X 76	**20**	10	**76**	52	24	81,7	3,1	252	7,1	582	10,7	873	14,7	1203	19,0	1552
41420261	CXF 19X 89	**20**	10	**89**	61	28	69,5	3,6	248	8,3	573	12,4	860	17,1	1185	22,0	1529
41420269	CXF 19X102	**20**	10	**102**	69	33	60,6	4,2	256	9,8	591	14,6	886	20,2	1221	26,0	1576
41420277	CXF 19X115	**20**	10	**115**	79	36	53,0	4,7	250	10,9	576	16,3	865	22,5	1191	29,0	1537
41420285	CXF 19X127	**20**	10	**127**	87	40	47,5	5,2	247	12,0	570	18,0	855	24,8	1178	32,0	1520
41420293	CXF 19X139	**20**	10	**139**	95	44	43,0	5,7	245	13,1	564	19,7	847	27,1	1166	35,0	1505
41420301	CXF 19X152	**20**	10	**152**	104	48	39,0	6,2	241	14,3	556	21,4	834	29,5	1149	38,0	1482
41420309	CXF 26X 38	**26**	13	**38**	26	12	346,0	1,5	534	3,6	1233	5,3	1849	7,4	2547	9,5	3287
41420317	CXF 26X 44	**26**	13	**44**	30	14	244,0	1,8	436	4,1	1007	6,2	1510	8,5	2080	11,0	2684
41420325	CXF 26X 51	**26**	13	**51**	35	16	207,5	2,1	438	4,9	1012	7,3	1517	10,1	2091	13,0	2698
41420333	CXF 26X 64	**26**	13	**64**	44	20	161,0	2,6	419	6,0	966	9,0	1449	12,4	1996	16,0	2576
41420341	CXF 26X 76	**26**	13	**76**	52	24	130,8	3,1	404	7,1	932	10,7	1398	14,7	1926	19,0	2485
41420349	CXF 26X 89	**26**	13	**89**	61	28	110,5	3,6	395	8,3	912	12,4	1367	17,1	1884	22,0	2431
41420357	CXF 26X102	**26**	13	**102**	69	33	96,3	4,2	407	9,8	939	14,6	1408	20,2	1940	26,0	2504
41420365	CXF 26X115	**26**	13	**115**	79	33	85,7	4,7	404	10,9	932	16,3	1398	22,5	1926	29,0	2485
41420373	CXF 26X127	**26**	13	**127**	87	40	76,3	5,2	397	12,0	916	18,0	1373	24,8	1892	32,0	2442
41420381	CXF 26X152	**26**	13	**152**	104	48	63,5	6,2	392	14,3	905	21,4	1357	29,5	1870	38,0	2413
41420389	CXF 26X178	**26**	13	**178**	123	55	53,9	7,2	385	16,5	889	24,8	1334	34,1	1838	44,0	2372
41420397	CXF 26X203	**26**	13	**203**	139	64	47,0	8,3	390	19,1	899	28,7	1348	39,5	1858	51,0	2397
41420405	CXF 32X 38	**32**	16	**38**	26	12	528,2	1,5	815	3,6	1882	5,3	2823	7,4	3889	9,5	5018
41420413	CXF 32X 44	**32**	16	**44**	30	14	424,4	1,8	759	4,1	1751	6,2	2626	8,5	3618	11,0	4668
41420421	CXF 32X 51	**32**	16	**51**	35	16	353,0	2,1	746	4,9	1721	7,3	2581	10,1	3556	13,0	4589
41420429	CXF 32X 64	**32**	16	**64**	44	20	269,2	2,6	700	6,0	1615	9,0	2423	12,4	3338	16,0	4307
41420437	CXF 32X 76	**32**	16	**76**	52	24	218,5	3,1	675	7,1	1557	10,7	2335	14,7	3217	19,0	4152
41420445	CXF 32X 89	**32**	16	**89**	61	28	180,3	3,6	645	8,3	1487	12,4	2231	17,1	3074	22,0	3967
41420453	CXF 32X102	**32**	16	**102**	69	33	155,0	4,2	655	9,8	1511	14,6	2267	20,2	3123	26,0	4030
41420461	CXF 32X115	**32**	16	**115**	79	36	140,0	4,7	660	10,9	1523	16,3	2284	22,5	3147	29,0	4060
41420469	CXF 32X127	**32**	16	**127**	87	40	124,0	5,2	645	12,0	1488	18,0	2232	24,8	3075	32,0	3968
41420477	CXF 32X152	**32**	16	**152**	104	48	102,0	6,2	630	14,3	1454	21,4	2180	29,5	3004	38,0	3876
41420485	CXF 32X178	**32**	16	**178**	123	55	88,2	7,2	631	16,5	1455	24,8	2183	34,1	3008	44,0	3881
41420493	CXF 32X203	**32**	16	**203**	139	64	76,0	8,3	630	19,1	1454	28,7	2180	39,5	3004	51,0	3876
41420501	CXF 32X254	**32**	16	**254**	174	80	60,8	10,4	632	24,0	1459	36,0	2189	49,6	3016	64,0	3891
41420509	CXF 32X305	**32**	16	**305**	210	95	49,0	12,4	605	28,5	1397	42,8	2095	58,9	2886	76,0	3724
41420517	CXF 38X 51	**38**	20	**51**	35	16	628,0	2,1	1327	4,9	3062	7,3	4592	10,1	6327	13,0	8164
41420525	CXF 38X 64	**38**	20	**64**	44	20	487,0	2,6	1266	6,0	2922	9,0	4383	12,4	6039	16,0	7792
41420533	CXF 38X 76	**38**	20	**76**	52	24	379,0	3,1	1170	7,1	2700	10,7	4051	14,7	5581	19,0	7201
41420541	CXF 38X 89	**38**	20	**89**	61	28	321,0	3,6	1148	8,3	2648	12,4	3972	17,1	5473	22,0	7062
41420549	CXF 38X102	**38**	20	**102**	69	33	281,0	4,2	1187	9,8	2740	14,6	4110	20,2	5662	26,0	7306
41420557	CXF 38X115	**38**	20	**115**	79	36	245,0	4,7	1155	10,9	2664	16,3	3997	22,5	5506	29,0	7105
41420565	CXF 38X127	**38**	20	**127**	87	40	221,0	5,2	1149	12,0	2652	18,0	3978	24,8	5481	32,0	7072
41420573	CXF 38X152	**38**	20	**152**	104	48	168,0	6,2	1037	14,3	2394	21,4	3591	29,5	4948	38,0	6384
41420581	CXF 38X178	**38**	20	**178**	123	55	146,0	7,2	1044	16,5	2409	24,8	3614	34,1	4979	44,0	6424
41420589	CXF 38X203	**38**	20	**203**	139	64	132,0	8,3	1094	19,1	2525	28,7	3787	39,5	5217	51,0	6732
41420597	CXF 38X254	**38**	20	**254**	174	80	107,0	10,4	1113	24,0	2568	36,0	3852	49,6	5307	64,0	6848
41420605	CXF 51X 64	**50**	25	**64**	44	20	709,0	2,6	1843	6,0	4254	9,0	6381	12,4	8792	16,0	11344
41420609	CXF 51X 76	**50**	25	**76**	52	24	572,0	3,1	1766	7,1	4076	10,7	6113	14,7	8423	19,0	10868
41420613	CXF 51X 89	**50**	25	**89**	61	28	475,0	3,6	1698	8,3	3919	12,4	5878	17,1	8099	22,0	10450
41420621	CXF 51X102	**50**	25	**102**	69	33	405,0	4,2	1711	9,8	3949	14,6	5923	20,2	8161	26,0	10530
41420629	CXF 51X203	**50**	25	**203**	139	64	187,0	8,3	1550	19,1	3576	28,7	5365	39,5	7391	51,0	9537

Molla a tazza tipo DIN 2093
Belleville washer DIN 2093

ART. 41443 GnuBo

Descrizione:
Molla a tazza tipo DIN 2093. Materiale acciaio per molle.

Belleville washer DIN 2093. Material spring steel.



ART. 41443

Dati tecnici / Technical data

cod. code	D [mm]	d [mm]	S [mm]	h [mm]	h+S [mm]	cod. code	D [mm]	d [mm]	S [mm]	h [mm]	h+S [mm]
41443087	**8**	4,2	0,40	0,20	0,60	41443386	**40**	16,3	2,00	1,10	3,10
41443100	**10**	5,2	0,40	0,30	0,70	41443399	**40**	20,4	1,50	1,15	2,65
41443113	**12,5**	6,2	0,70	0,30	1,00	41443412	**40**	20,4	2,00	0,90	3,15
41443126	**14**	7,2	0,50	0,40	0,90	41443425	**40**	20,4	2,50	0,90	3,45
41443139	**14**	7,2	0,80	0,30	1,10	41443438	**45**	22,4	1,75	1,30	3,05
41443152	**15**	8,2	0,80	0,40	1,20	41443451	**45**	22,4	2,50	1,00	3,50
41443161	**16**	8,2	0,60	0,45	1,05	41443464	**50**	18,4	2,00	1,50	3,50
41443165	**18**	9,2	0,70	0,50	1,20	41443477	**50**	25,4	2,00	1,40	3,40
41443178	**18**	9,2	1,00	0,40	1,40	41443490	**50**	25,4	3,00	1,10	4,10
41443191	**20**	10,2	0,80	0,55	1,35	41443503	**56**	28,5	2,00	1,60	3,60
41443204	**20**	10,2	1,10	0,45	1,55	41443516	**56**	28,5	3,00	1,30	4,30
41443217	**22,5**	11,2	0,80	0,65	1,45	41443542	**60**	30,5	3,00	1,70	4,70
41443230	**22,5**	11,2	1,25	0,50	1,75	41443555	**63**	31,0	2,50	1,75	4,25
41443243	**25**	12,2	1,50	0,55	2,05	41443568	**63**	31,0	3,50	1,40	4,90
41443256	**28**	10,2	1,00	0,90	1,90	41443581	**70**	35,5	3,00	2,10	5,10
41443269	**28**	12,2	1,50	0,75	2,25	41443594	**71**	36,0	4,00	1,60	5,60
41443282	**28**	14,2	1,00	0,80	1,80	41443607	**80**	41,0	3,00	2,30	5,30
41443295	**28**	14,2	1,50	0,65	2,15	41443620	**80**	41,0	4,00	2,20	6,20
41443308	**31,5**	16,3	1,25	0,90	2,15	41443633	**80**	41,0	5,00	1,70	6,70
41443321	**31,5**	16,3	1,75	0,70	2,45	41443646	**100**	41,0	4,00	3,20	7,20
41443334	**31,5**	16,3	2,00	0,75	2,75	41443659	**100**	51,0	3,50	2,80	6,30
41443347	**34**	16,3	2,00	0,85	2,85	41443672	**100**	51,0	5,00	2,80	7,80
41443360	**35,5**	18,3	1,25	1,00	2,25	41443685	**112**	57,0	4,00	3,75	7,20
41443373	**35,5**	18,3	2,00	0,80	2,80	41443698	**140**	72,0	5,00	4,70	9,00

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IL RISPARMIO DI TEMPO E COSTI PER LE TUE SOLUZIONI DI LAVORO

Caratteristiche tecniche del poliuretano — Polyurethan technical data

POLIURETANO - POLYURETHAN 70sh			
CARATTERISTICHE TECNICHE SPECIFICATIONS	**NORMA STANDARD**	**UNITA' UNIT**	**VALORE VALUE**
Durezza Shore	ASTM 2240	A	75
Shore hardness		D	26
temperatura di transizione vetrosa	ASTM 2240	°C	27
vitreous transition temperature			
tensione con allungamento al 50%	ASTM D412	MPa	3
stretch with 50% elongation			
tensione con allungamento al 100%	ASTM D412	MPa	4
stretch with 100% elongation			
tensione con allungamento al 200%	ASTM D412	MPa	7
stretch with 200% elongation			
tensione con allungamento al 300%	ASTM D412	MPa	11
stretch with 300% elongation			
carico di rottura	ASTM D412	MPa	32
tensile strength			
allungamento	ASTM D412	%	510
elongation			
resistenza alla lacerazione	ASTM D64	DIE B, KN/m	48
tearing strength		DIE C, KN/m	45
resistenza allo strappo	ASTM D64	TROUSER	
split resistance		KN/m	15
resilienza	ASTM D2632	%	50
impact resistance			
resistenza all' abrasione	DIN 52516	mg	75
abrasion ressistance		mm^3	60

Molla, barra piena in poliuretano MDE535
Full spring, bar made of polyurethan MDE535

ART. 41457

Descrizione:
Molla, barra piena in poliuretano MDE535.
Durezza 75 shore, colore rosso.
Per le caratteristiche tecniche del poliuretano consultare l'apposita tabella tecnica a pag. 250.

Full spring, bar made of polyurethan MDE535.
Hardness 75 shore, colour red.
For polyurethane technical data, view its technical data sheet at page 250.

ART. 41457
Dimensioni / Dimensions

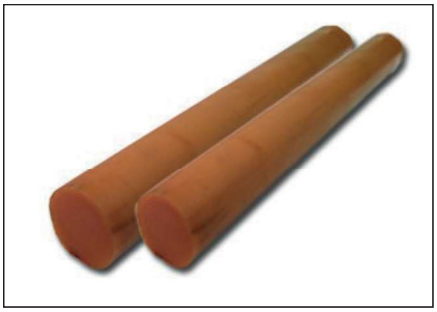
cod. code	diametro diameter [mm]	lunghezza length [mm]
41457123	**21,4**	500
41457169	**25,1**	500
41457215	**31,3**	500
41457261	**41,0**	500
41457307	**50,1**	500
41457353	**60,0**	500

Molla, barra piena in Vulkollan D15
Full spring, bar made of Vulkollan D15

ART. 41462

Descrizione:
Molla, barra piena in Vulkollan D15. Durezza 92 shore, colore neutro di intensità variabile essendo le barre fotosensibili.
Per le caratteristiche tecniche del Vulkollan consultare l'apposita tabella tecnica a pag. 252.

Full spring, bar made of Vulkollan D15.
Hardness 92 shore, neutral colour with variable intensity cause bars are photosensitive.
For Vulkollan technical data, view its technical data sheet at page 252.



ART. 41462
Dimensioni / Dimensions

cod. code	diametro diameter [mm]	lunghezza length [mm]
41462123	**15,7**	500
41462169	**17,5**	500
41462190	**21,6**	500
41462215	**25,1**	500
41462261	**31,3**	500
41462307	**41,0**	500
41462353	**50,4**	500
41462399	**60,0**	500
41462445	**80,5**	500
41462491	**102,0**	500
41462537	**126,6**	500

Molla, barra forata in poliuretano MDE535
Drilled spring, bar made of polyurethan MDE535

ART. 41477

Descrizione:
Molla, barra forata in poliuretano MDE535. Durezza 75 shore, colore rosso.
Per le caratteristiche tecniche del poliuretano consultare l'apposita tabella tecnica a pag. 250.

Drilled spring, bar made of polyurethan MDE535. Hardness 75 shore, colour red.
For polyurethane technical data, view its technical data sheet at page 250.

ART. 41477
Dimensioni / Dimensions

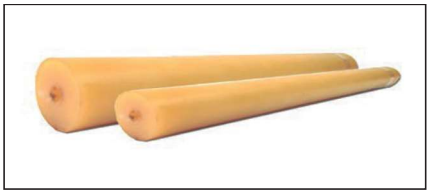
cod. Code	diametro diameter [mm]	diam. foro hole's diam. [mm]	lunghezza length [mm]
41477123	**25,3**	10,3	500
41477169	**33,8**	13,7	500
41477215	**40,9**	13,7	500
41477261	**50,4**	17,0	500
41477307	**63,3**	17,0	500
41477353	**80,6**	21,25	500
41477399	**101,9**	21,1	500

Molla, barra forata in Vulkollan D15
Drilled spring, bar made of Vulkollan D15

ART. 41482

Descrizione:
Molla, barra forata in Vulkollan D15. Durezza 92 shore, colore neutro di intensità variabile essendo le barre fotosensibili.
Per le caratteristiche tecniche del Vulkollan consultare l'apposita tabella tecnica a pag. 252.

Drilled spring, bar made of Vulkollan D15. Hardness 92 shore, neutral colour with variable intensity cause bars are photosensitive.
For Vulkollan technical data, view its technical data sheet at page 252.



ART. 41482
Dimensioni / Dimensions

cod. code	diametro diameter [mm]	diam. Foro hole's diam. [mm]	lunghezza length [mm]
41482169	**21,4**	8,9	500
41482215	**25,1**	10,4	500
41482261	**33,8**	13,7	500
41482307	**40,9**	13,7	500
41482353	**50,5**	17,0	500
41482399	**63,3**	17,0	500
41482445	**81,1**	21,1	500
41482491	**101,9**	21,1	500
41482537	**127,4**	25,95	500

Caratteristiche tecniche del Vulkollan - Vulkollan technical data

VULKOLLAN 90 sh			
CARATTERISTICHE TECNICHE SPECIFICATIONS	ISO	UNITA' UNIT	VALORE VALUE
Durezza Shore	868	A	92
Shore hardness		D	36
Densità	1183	Mg/m^3	1,26
Density			
Tensione con allungamento al 100%	37	Mpa	8
Stretch with 100% elongation			
Tensione con allungamento al 300%	37	Mpa	12,8
Stretch with 300% elongation			
Resistenza alla trazione	37	Mpa	53
Tensile strength			
Allungamento alla rottura	37	%	740
Breaking elongation			
Resistenza alla lacerazione	34	kN/m	54
Tearing strength			
Ritorno elastico	4662	%	62
Spring back			
Abrasione	4649	mm^3	28
Abrasion			
Abrasione Taber (S42 / 4,9 N)	9352	mg	6,1
Taber abrasion (S42 / 4,9 N)			
Deformazione permanente per compressione	815	70h / 23°C	
		%	10
Permanent buckling		24h / 70°C	
		%	19
Coeff. di dilatazione termica lineare	VDE0304	$10^{-6} \times K^{-1}$	160 - 200
Linear thermal expansion coeff.			

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Molle - Molle, barre in poliuretano, gomma

Molla, barra forata in cloroprene-caucciù
Drilled spring and bar made of chloroprene-caoutchouc

ART. 41491 GnuBo

Descrizione:
Molla, barra forata in cloroprene-caucciù con durezza 70 Shore A, colore nero.

Drilled spring, bar made of chloroprene-caoutchouc with hardness 70 Shore A, colour black.

ART. 41491 Dati tecnici / Technical data							
cod. code	diametro diameter [mm]	altezza height [mm]	diam. del foro hole's diam. [mm]	cod. code	diametro diameter [mm]	altezza height [mm]	diam. del foro hole's diam. [mm]
41491123	**20**	32	8,5	41491399	**63**	40	17,0
41491146	**25**	32	10,5	41491422	**63**	80	17,0
41491169	**25**	40	10,5	41491445	**80**	40	21,0
41491192	**32**	40	13,5	41491468	**80**	50	21,0
41491215	**32**	50	13,5	41491491	**80**	63	21,0
41491238	**32**	63	13,5	41491514	**80**	80	21,0
41491261	**40**	32	13,5	41491537	**80**	100	21,0
41491284	**40**	40	13,5	41491560	**100**	40	21,0
41491307	**40**	50	13,5	41491583	**100**	50	21,0
41491330	**40**	63	13,5	41491606	**125**	32	27,0
41491353	**50**	40	17,0	41491629	**125**	40	27,0
41491376	**50**	63	17,0	41491652	**125**	50	27,0

CARATTERISTICHE TECNICHE SPECIFICATIONS	NORMA SPEC.	UNITA' UNIT	VALORE VALUE
durezza Shore	DIN	A	70
shore hardness	53 505		
densità	DIN	g/cm^3	1,37
density	53 479		
resistenza alla trazione	DIN	N/mm^2	≥ 12
tensile strength	53 504		
allungamento a rottura	DIN	%	≥ 250
breaking elongation	53 504		
resistenza alla lacerazione	DIN	N/mm	4
tearing resistance	53 507		
rimbalzo	DIN	%	30
rebound	53 512		
abrasione	DIN	mm^3	≤ 150
abrasion	53 516		
deformazione permanente a compressione	DIN	%	≤ 20
permanent buckling	53 517	24h 70°C	
temperatura di esercizio		°C	≤ 80
working temperature			
temperatura massima		°C	120
max temperature			

Caratteristiche tecniche del rame elettrolitico — Electrolytic copper technical data

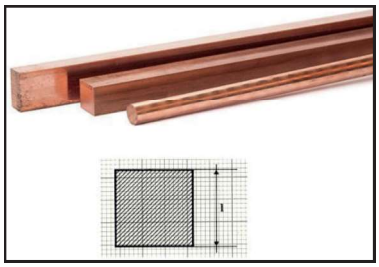
RAME ELETTROLITICO FUCINATO FORGED ELECTROLYTIC COPPER		
CARATTERISTICHE SPECIFICATIONS	UNITA' UNIT	VALORE VALUE
composizione chimica / chemical composition	%	Cu 99,9
carico di rottura / tensile strength	N/mm^2	200 - 300
carico di snervamento / yield strength	N/mm^2	100 - 150
allungamento / elongation	%	8 - 30
durezza / hardness	HB	35 - 80
densità / density	Kg/dm^3	8,94
resistività / resistivity	$\Omega mm^2/m$	0,01754
conducibilità termica / thermal conductivity	W/cm - K	3,77
permeabilità magnetica / magnetic permeability	μ_R	< 1,01
coff. di dilatazione termica / thermal expansion coeff.	$\times 10^{-6}/K$	16,5
modulo elastico / elastic modulus	KN/mm^2	125

RAME ELETTROLITICO TRAFILATO CRUDO HARD DRAW ELECTROLYTIC COPPER		
CARATTERISTICHE SPECIFICATIONS	UNITA' UNIT	VALORE VALUE
composizione chimica / chemical composition	%	Cu 99,9
carico di rottura / tensile strength	N/mm^2	230 - 370
carico di snervamento / yield strength	N/mm^2	160 - 250
allungamento / elongation	%	7 - 15
durezza / hardness	HB	70 - 110
densità / density	Kg/dm^3	8,9
resistività di massa / mass resistivity	$\Omega g/m^2$	0,15328
resistività di volume / volume resistivity	$\Omega mm^2/m$	0,017241
conduttività / conductivity	Ωmm^2 IACS %	58 100

Elettroerosione - Rame elettrolitico fucinato

Barra quadra di rame elettrolitico fucinato
Square electrolytic copper bar, forged

ART. 01415 GnuBo



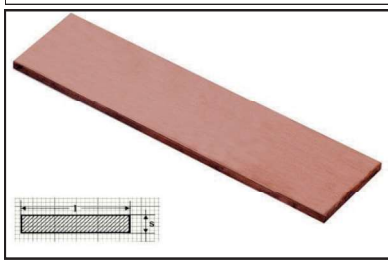
Descrizione:
Barra a sezione quadra di rame elettrolitico Cu-ETP fucinato, EN 13602, ASTM C11000, AFNOR CuA1, BS C101.
Campi d'impiego: barre di contatto in misure fuori standard, particolari ad alta conducibilità, anelli di corto circuito per macchine e componenti elettrici, collettori, elettrodi di elettroerosione. Confezionato in barre da m 1 circa, venduto in kilogrammi.

ART. 01415		
Dimensioni / Dimensions		
cod. code	l [mm]	peso weight [kg/m]
01415125	**125**	139,687
01415135	**135**	162,932
01415155	**155**	214,784

Bar with square section made of electrolytic copper Cu-ETP, forged, UNI 5649-1, DIN 1787, ASTM C11000, AFNOR CuA1, BS C101.
Application range: connection rods out of standard sizes, spare parts with high electrical conductivity, contact rings for machines and electrical technology componentes, bus bars, electrorosion dies. Packaged in approx m 1 bars, sold in kilograms.

Barra piatta di rame elettrolitico fucinato
Flat electrolytic copper bar, forged

ART. 01418 GnuBo



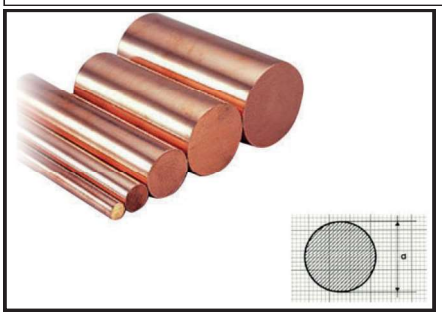
Descrizione:
Barra a sezione piatta di rame elettrolitico Cu-ETP fucinato, EN 13602, ASTM C11000, AFNOR CuA1, BS C101.
Campi d'impiego: barre di contatto in misure fuori standard, particolari ad alta conducibilità, anelli di corto circuito per macchine e componenti elettrici, collettori, elettrodi di elettroerosione. Confezionato in barre da m 1 circa, venduto in kilogrammi.

ART. 01418			
Dimensioni / Dimensions			
cod. code	l [mm]	s [mm]	peso weight [kg/m]
01418240	**155**	**85**	117,785
01418310	**205**	**35**	64,145
01418345	**205**	**55**	100,799
01418380	**205**	**85**	155,780
01418415	**205**	**105**	192,434

Bar with flat section made of electrolytic copper Cu-ETP, forged, UNI 5649-1, DIN 1787, ASTM C11000, AFNOR CuA1, BS C101. Application range: connection rods out of standard sizes, spare parts with high electrical conductivity, contact rings for machines and electrical technology componentes, bus bars, electrorosion dies.
Packaged in approx m 1 bars, sold in kilograms.

Barra tonda di rame elettrolitico trafilato crudo
Round electrolytic copper bar, hard draw

ART. 01432 GnuBo



Descrizione:
Barra a sezione tonda di rame elettrolitico Cu-ETP trafilato crudo, EN 13602, ASTM C11000, AFNOR CuA1, BS C101. Campi d'impiego: barre di connessione, particolari ad alta conducibilità, elettrodi per elettroerosione, ecc. Confezionato in barre da m 1,70 circa, venduto in kilogrammi.

Bar with round section made of electrolytic copper Cu-ETP, hard draw, EN 13602, ASTM C11000, AFNOR CuA1,BS C101. Application range: connection rods, spare parts with high electrical conductivity, electrorosion dies, etc. Packaged in approx m 1,70 bars, sold in KG.

RAME ELETTROLITICO TRAFILATO CRUDO HARD DRAW ELECTROLYTIC COPPER		
CARATTERISTICHE SPECIFICATIONS	UNITA' UNIT	VALORE VALUE
composizione chimica *chemical composition*	%	Cu 99,9
carico di rottura *tensile strength*	N/mm^2	230 - 370
carico di snervamento *yield strength*	N/mm^2	160 - 250
allungamento *elongation*	%	7 - 15
durezza *hardness*	HB	70 - 110
densità *density*	$Kg//dm^3$	8,9
resistività di massa *mass resistivity*	$\Omega g/m^2$	0,15328
resistività di volume *volume resistivity*	$\Omega mm^2/m$	0,017241
conduttività *conductivity*	Ωmm^2 IACS %	58 100

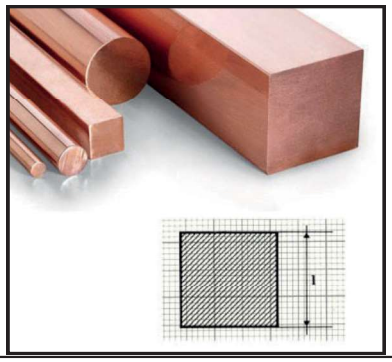
ART. 01432

Dimensioni - Dimensions

cod. code	d [mm]	peso weight [kg/m]	cod. code	d [mm]	peso weight [kg/m]	cod. code	d [mm]	peso weight [kg/m]
01432006	**6** ± 0,06	0,252	01432020	**20** ± 0,11	2,795	01432060	**60** ± 0,15	25,130
01432008	**8** ± 0,07	0,448	01432025	**25** ± 0,11	4,375	01432070	**70** ± 0,15	34,234
01432010	**10** ± 0,07	0,698	01432030	**30** ± 0,11	6,300	01432080	**80** ± 0,15	44,714
01432012	**12** ± 0,09	1,097	01432035	**35** ± 0,13	8,570	01432090	**90** ± 0,15	56,591
01432014	**14** ± 0,09	1,372	01432040	**40** ± 0,13	11,200	01432100	**100** ± 0,15	68,865
01432015	**15** ± 0,09	1,575	01432045	**45** ± 0,13	14,170	01432120	**120** -	100,606
01432016	**16** ± 0,09	1,792	01432050	**50** ± 0,13	17,500	01432130	**130** -	118,072
01432018	**18** ± 0,09	2,268	01432055	**55** ± 0,15	21,120	01432150	**150** -	154,942

Barra quadra di rame elettrolitico trafilato crudo
Square electrolytic copper bar, hard draw

ART. 01435 GnuBo



Descrizione:
Barra a sezione quadra di rame elettrolitico Cu-ETP trafilato crudo, EN 13602, ASTM C11000, AFNOR CuA1, BS C101. Campi d'impiego: barre di connessione, particolari ad alta conducibilità, elettrodi per elettroerosione, ecc. Confezionato in barre da m 1,70 circa, venduto in kilogrammi. Stesse caratteristiche dell'art. 01432.

Bar with square section made of electrolytic copper Cu-ETP, hard draw, EN 13602, ASTM C11000, AFNOR CuA1, BS C101. Application range: connection rods, spare parts with high electrical conductivity, electrorosion dies, etc. Packaged in approx m 1,70 bars, sold in kilograms. Same specifications as code 01432.

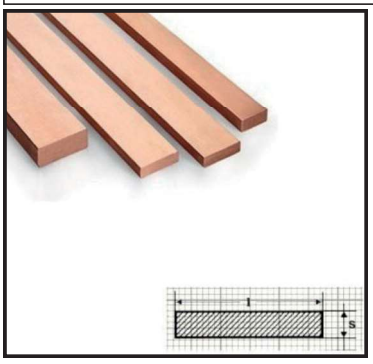
ART. 01435

Dimensioni - Dimensions

cod. code	l [mm]	peso weight [kg/m]
01435020	**20** +0/-0,13	3,56
01435030	**30** +0/-0,13	8,01
01435040	**40** +0/-0,13	14,24
01435050	**50** +0/-0,13	22,25
01435060	**60** +0/-0,17	32,04
01435080	**80** +0/-0,17	56,96
01435100	**100** +0/-0,20	89,00

Barra piatta di rame elettrolitico trafilato crudo
Flat electrolytic copper bar, hard draw

ART. 01438 GnuBo



Descrizione:
Barra a sezione piatta di rame elettrolitico Cu-ETP trafilato crudo, EN 13602, ATM C11000, AFNOR CuA1, BS C101. Campi d'impiego: barre di connessione, particolari ad alta conducibilità, elettrodi per elettroerosione, ecc. Confezionato in barre da m 1,70 circa, venduto in kilogrammi. Stesse caratteristiche dell'art. 01432.

Bar with flat section made of electrolytic copper Cu-ETP, hard draw, EN 13602, ASTM C11000, AFNOR CuA1, BS C101. Application range: connection rods, spare parts with high electrical conductivity, electrorosion dies, etc. Packaged in approx m 1,70 bars, sold in kilograms. Same specifications as code 01432.

ART. 01438

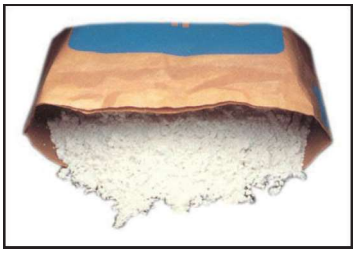
Dimensioni - Dimensions

cod. code	l [mm]	s [mm]	peso weight [kg/m]	cod. code	l [mm]	s [mm]	peso weight [kg/m]
01438030	**30** ± 0,125	**10** ± 0,075	2,670	01438270	**100** ± 0,270	**10** ± 0,110	8,900
01438060	**40** ± 0,125	**10** ± 0,075	3,560	01438280	**100** ± 0,270	**15** ± 0,135	13,350
01438070	**40** ± 0,125	**20** ± 0,110	7,120	01438290	**100** ± 0,270	**20** ± 0,165	17,800
01438080	**40** ± 0,125	**30** ± 0,165	10,680	01438300	**100** ± 0,270	**30** ± 0,165	26,700
01438110	**50** ± 0,125	**10** ± 0,075	4,450	01438310	**100** -	**50** -	44,500
01438120	**50** ± 0,125	**20** ± 0,110	8,900	01438315	**100** -	**60** -	53,400
01438130	**50** ± 0,125	**30** ± 0,165	13,350	01438340	**120** ± 0,315	**10** ± 0,110	10,680
01438160	**60** ± 0,150	**10** ± 0,075	5,340	01438345	**120** -	**20** -	21,360
01438170	**60** ± 0,150	**20** ± 0,110	10,680	01438350	**120** -	**30** -	32,040
01438180	**60** ± 0,150	**30** ± 0,165	16,020	01438380	**150** ± 0,315	**10** ± 0,110	13,350
01438210	**80** ± 0,150	**10** ± 0,075	7,120	01438390	**150** -	**25** -	33,375
01438220	**80** ± 0,150	**20** ± 0,110	14,240	01438430	**150** -	**50** -	66,750
01438230	**80** ± 0,150	**30** ± 0,165	21,360	01438435	**150**	**60**	80,100
01438240	**80** -	**40** -	28,480	01438445	**200** ± 0,350	**20** ± 0,165	35,600
01438250	**80** -	**50** -	35,600	01438450	**200** -	**50** -	89,000

Elettroerosione - Farina fossile - Resine epossidiche e poliuretaniche

Farina fossile
Fossil flour

ART. 04230 GnuBo



ART. 04230000					
CARATTERISTICHE SPECIFICATIONS	UNITA' UNIT	VALORE VALUE	CARATTERISTICHE SPECIFICATIONS	UNITA' UNIT	VALORE VALUE
composizione chimica chemical composition			*umidità humidity*	%	0,5
SiO_2	%	91,9	*perdita all'incenerimento burning lost*	%	0,5
Na_2O	%	2,83			
Al_2O_3	%	2,01	*pH*	u.pH	10
Fe_2O_3	%	1,38	*pH*		
TiO_2	%	0,33	distribuzione granulometrica (%volume) granulometric distribution (%volume)		
CaO	%	0,84			
MgO	%	0,28	*> 1 µm*	%	94,8
K_2O	%	0,13	*> 5 µm*	%	65,4
P_2O_5	%	0,22	*> 10 µm*	%	33,6
SO_3	%	0,06	*> 20 µm*	%	5,1
trattenuto su setaccio 50 µm sieve taken 50 µm	%	0,5 max	*> 35 µm*	%	1,3
			> 50 µm	%	0,7
bianchezza whiteness		86 min	*> 75 µm*	%	0,3
			> 100 µm	%	0,2
assorbimento d'olio oil absorption	$cm^3/100g$	115			

Descrizione:
FFarina fossile per utilizzi industriali. Settori di utilizzo: vernici e pitture, carta, plastica, elastomeri e gomma, siliconi, impronte dentali, abrasi.
Confezionata in sacchi da 25 kg.

Fossil flour for industrial use. Application fields: paint and varnish, paper, plastics, elastomer and rubber, silicone, dental print, abrasives.
Packaged in 25 Kg bags.

Resine epossidiche e poliuretaniche - Resine epossidiche e poliuretaniche

Pasta a base di resina epossidica NE-53
Paste made of epoxidated resin NE-53

ART. 41653 GnuBo

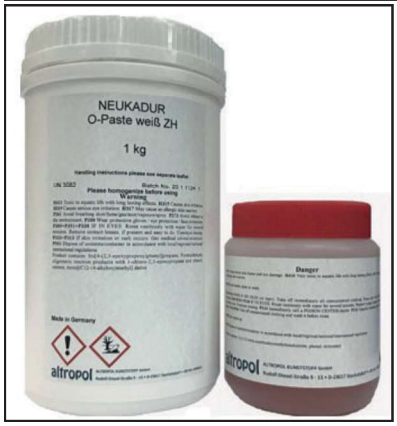
ART. 41653053		
CARATTERISTICHE TECNICHE SPECIFICATIONS	UNITA' UNIT	VALORE VALUE
durezza hardness	kp/cm^2	2400
resistenza all'urto impact strength	$kpcm/cm^2$	4
resistenza alla compressione compressive strength	kp/cm^2	1000
resistenza alla flessione flexural strength	kp/cm^2	700
resistenza alla trazione tensile strength	kp/cm^2	400
modulo E da prova di trazione modulus E from tensile strength	kp/cm^2	70000
resistenza al calore (grado Martens) heat resistance (Martens degree)	°C	60
conducibilità termica thermal conductivity	kcal/mh°C	0,35
lavorabilità con utensili machinability		buona good

Descrizione:
Pasta di colata NE-53 di colore nero a base di resina epossidica.
Viene fornita con indurente I-53 in proporzione del 7,5% di parti in peso in confezioni da 1 kg.
Adatta per la realizzazione di modelli e stampi che devono presentare una buona resistenza all'abrasione e si applica mediante colate di 2 - 3 cm di spessore, in funzione della conducibilità termica del modello da riprodurre e della temperatura ambiente. L'indurimento avviene dopo circa 24 ore ad una temperatura ambiente di 20 - 22°C.

Casting black paste NE-53 made of epoxidated resin.
Supplied with hardening I-53 in proportion of 7,5% weight parts in kg 1 cans.
Suitable for realization of patterns and dies with good abrasion resistance and you apply it with castings thin 2 - 3 cm, according to conductivity of the pattern and to the room temperature. Hardening comes after 24 hours at room temperature of 20 - 22°C.

Pasta NEKADUR ZH + indurente
Paste NEKADUR ZH + indurente

ART. 41656 GnuBo



Descrizione:
Pasta NEKADUR O-Paste ZH di colore bianco a base di resina epossidica, fornita in confezioni da kg 1 con indurente da kg 0,17. Adatta per la realizzazione di modelli per stampi da fonderia, negativi, modelli per dipingere e duplicare, ecc. Si si applica mediante colate di strati a temperatura ambiente, lo strato gelifica e rimane tale per circa 50 minuti. L'indurimento avviene dopo circa 24 ore ad una temperatura ambiente di 20° C, le superfici indurite sono lavorabili e presentano bordi solidi.

NEKADUR O-Paste ZH white epoxy resin based paste, supplied in 1 kg packs with 0.17 kg hardener. Suitable for making models for foundry molds, negatives, painting and duplicating patterns, etc. It is applied by pouring layers at room temperature, the layer gels and remains so for about 50 minutes. The hardening takes place after about 24 hours at an ambient temperature of 20 ° C, the hardened surfaces are workable and have solid edges.

Properties in the non-crosslinked state (approx. values)

		NEUKADUR O-Paste white ZH	NEUKADUR Hardener O-Paste white ZH
Colour		white	amber
Mixing ratio	p.b.w.	100	17
Density (20 °C)	g/cm^3	1.5	0.95
Viscosity (20 °C)	mPa·s	thixotropic	600

Resine epossidiche e poliuretaniche - Accessori - Raccordi e prolunghe

Pasta a base di resina poliuretanica PU-715/A
Paste made of polyurethanic resin PU-715/A

ART. 41673 GnuBo

Descrizione:
Pasta PU-715/A a 2 componenti a base di resina poliuretanica e cariche minerali inerti e lavorabili. Viene fornita con indurente PU-715/B in proporzione del 30% di parti in peso in confezioni da kg 1.
Adatta per la realizzazione di modelli per fonderia, casse d'anima, placche modello e modelli per fresatrici e si applica mediante colate fino a 20 mm. Il tempo di lavorabilità è di circa 3 - 5 minuti. L'indurimento avviene in circa 2 - 3 ore.

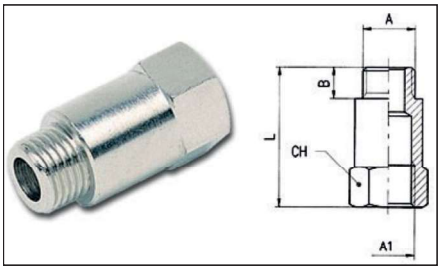
ART. 41673715		
CARATTERISTICHE TECNICHE SPECIFICATIONS	UNITA' UNIT	VALORE VALUE
durezza *hardness*	kp/cm^2	865
resistenza alla compressione *compressive strength*	kp/cm^2	480
resistenza alla flessione *flexural strength*	kp/cm^2	545
resistenza alla trazione *tensile strength*	kp/cm^2	272
modulo E da prova di trazione *modulus E from tensile strength*	kp/cm^2	41795

Paste PU-715/A made of polyurethanic resin and inert and machinable mineral fillers. Supplied with hardening PU-715/B in proportion of 30% weight parts in kg 1 cans. Suitable for the realization of patterns, core boxes, pattern plates and patterns for millers. You apply it with castings up to 20 mm thin. Working time is approx 3 - 5 minutes long. Hardening comes after 2 - 3 hours.

Prolunga cilindrica
Parallel extension

Accessori - Raccordi e prolunghe

ART. 97515 GnuBo



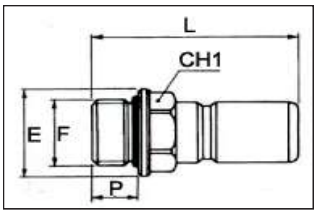
Descrizione:
Prolunga cilindrica per innesti per stampi.
Materiale
OT UNI EN 12164/5 CW 614/7N Nichelato.

Parallel extension for clutch for dies. Material OT UNI EN 12164/5 CW 614/7N, nickel plated.

Art. 97515						
Dati tecnici / Technical data						
cod. code	A ["]	A1 ["]	L [mm]	B [mm]	CH [mm]	pressione max. max. pressure [bar]
97515120	**G 1/8**	**G 1/8**	42	6	14	150
97515160	**G 1/4**	**G 1/4**	51	8	17	100
97515165	**G 1/4**	**G 1/4**	100	8	-	-

Innesto rapido maschio, corpo maschio
Male quick clutch, male body

ART. 41722 GnuBo



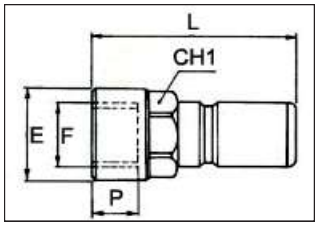
Descrizione:
Innesto rapido maschio, corpo maschio, per condizionamento stampi nelle presse ad iniezione. Materiale ottone nichelato, guarnizione OR in Viton.

Male quick clutch, male body, for mould conditioning in injection press. Material nickel plated brass, garnish OR made in Viton.

ART. 41722						
Dati tecnici / Technical data						
cod. code	F	E [mm]	P [mm]	L [mm]	CH1 [mm]	OR
41722081	**G 1/8**	15	6	28,5	13	2031
41722163	**G 1/4**	18	8	37	14	2043

Innesto rapido femmina, corpo maschio
Female quick clutch, male body

ART. 41727 GnuBo



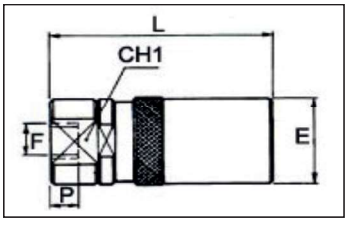
Descrizione:
Innesto rapido femmina, corpo maschio, per condizionamento stampi nelle presse ad iniezione. Materiale ottone nichelato.

Female quick clutch, male body, for mould conditioning in injection press. Material nickel plated brass.

ART. 41727					
Dati tecnici / Technical data					
cod. code	F	E [mm]	P [mm]	L [mm]	CH1 [mm]
41727163	**G 1/4**	17	0,8	37,5	14

Innesto rapido femmina, corpo femmina
Female quick clutch, female body

ART. 41729 GnuBo



Descrizione:
Innesto rapido femmina, corpo femmina con valvola di tenuta, per condizionamento stampi nelle presse ad iniezione. Materiale ottone nichelato, guarnizione OR in Viton.

Female quick clutch, female body with seal valve, for mould conditioning in injection press. Material nickel plated brass, garnish OR made in Viton.

ART. 41729							
Dati tecnici / Technical data							
cod. code	F	E [mm]	P [mm]	L [mm]	CH1 [mm]	temperatura temperature [°C]	pressione max. max. pressure [bar]
41729081	**G 1/8**	19	7	45	16	-20; +120	18
41729163	**G 1/4**	25	8	56	21	-20; +120	18

Accessori - Boccole portagomma e piedini - Golfari

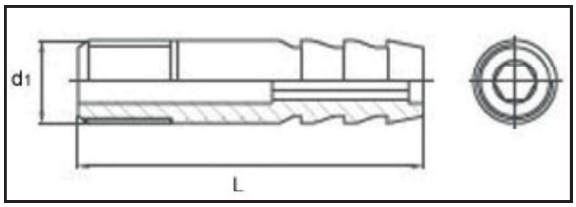
Boccola di raccordo con portagomma
Extension bush with hose holder

ART. 41745 GnuBo

Descrizione:
Boccola di raccordo con esagono interno e portagomma. Serve per collegare i fori di raffreddamento delle matrici degli stampi con i tubi in gomma dell'impianto di raffreddamento. Materiale ferro zincato.

Extension bush with internal hexagon and hose holder. It is used for connecting cooling holes of matrix dies with cooling hoses. Material zinc plated iron.

ART. 41745 Dati tecnici Technical data		
cod. code	d_1	L [mm]
41745315	1/4	50



Accessori - Boccole portagomma e piedini

Piedino di appoggio
Foot for dies

ART. 41747 GnuBo

Descrizione:
Piedino di appoggio per stampi.
Serve per limitare la superficie d'appoggio delle piastrine degli estrattori, rendendo la superficie stessa più uniforme possibile. Evita inoltre il deposito di sporcizia e comunque ne facilita l'eliminazione. Materiale 38 NCD 4 al Pb, trattamento termico cementazione, durezza 52 - 54 HRC.

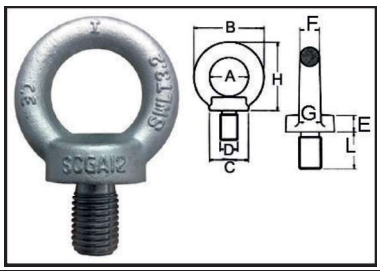
Foot for dies. It is used for limiting supporting surface of ejectors' plaques, making the surface as even as possible. It avoids the dirt deposit and, however, it eases the elimination of it. Material 38 NCD 4 with Pb, heat treatment casehardening, hardness 52 - 54 HRC.

ART. 41747 Dati tecnici Technical data	
cod. code	diam. testa head diam. [mm]
41747190	19
41747250	25

Accessori - Golfari

Golfare maschio DIN 580
Lifting eyebolt DIN 580

ART. 41765 GnuBo



Descrizione:
Golfare maschio DIN 580 in acciaio C15E zincato.

Lifting eyebolt DIN 580 made of C15E zinc plated steel.

ART. 41765
Dati tecnici / Technical data

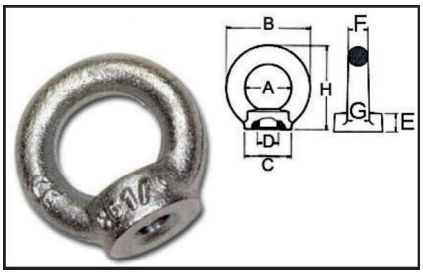
cod. code	D	A [mm]	B [mm]	C [mm]	E [mm]	F [mm]	G [mm]	H [mm]	L [mm]	WLL ⊥ [kg]	45° WLL ∧ [kg]	90° WLL ⊢ [kg]	coppia max di serraggio max tightening couple [Nm]	peso weight [kg]
41765060	**M 6**	20	36	20	6	8	10	36	13	90	60	45	3,5	0,06
41765080	**M 8**	20	36	20	6	8	10	36	13	140	100	70	8	0,06
41765100	**M 10**	25	45	25	8	10	12	45	17	230	170	115	16	0,11
41765120	**M 12**	30	54	30	10	12	14	53	20,5	340	240	170	28	0,17
41765140	**M 14**	30	54	30	10	12	14	53	20,5	500	350	250	45	0,17
41765160	**M 16**	35	63	35	12	14	16	62	27	700	500	350	70	0,31
41765180	**M 18**	35	63	35	12	14	16	62	27	930	650	465	95	0,48
41765200	**M 20**	40	72	40	14	16	19	71	30	1200	860	600	135	0,48
41765220	**M 22**	40	72	40	14	16	19	71	30	1500	1050	750	182	0,48
41765240	**M 24**	50	90	50	18	20	24	90	36	1800	1290	900	230	0,90
41765270	**M 27**	54	98	62	20	22	26	99	40	2500	1830	1250	343	1,25
41765300	**M 30**	60	108	65	22	24	28	109	45	3200	2300	1600	465	1,70
41765330	**M 33**	60	108	65	22	24	28	109	45	4200	3050	2100	632	1,90
41765360	**M 36**	70	126	75	26	28	32	128	54	4600	3300	2300	814	2,15
41765366	**M36x3**	70	126	75	26	28	32	128	54	4600	3300	2300	814	2,15
41765420	**M42x3**	80	144	85	30	32	38	147	63	6300	4500	3150	1304	4,15

Golfare femmina DIN 582
Eye nut DIN 582

ART. 41767 GnuBo

Descrizione:
Golfare femmina DIN 582 in acciaio C15E zincato.

Eye nut DIN 582 made of C15E zinc plated steel.



ART. 41767

Dati tecnici / Technical data

cod. code	D	A [mm]	B [mm]	C [mm]	E [mm]	F [mm]	G [mm]	H [mm]	WLL ⊥ [kg]	45° WLL ∧ [kg]	90° WLL ⊢ [kg]	coppia max di serraggio max tightening couple [Nm]	peso weight [kg]
41767100	**M 10**	25	45	25	10	10	12	45	230	170	115	16	0,10
41767120	**M 12**	30	54	30	11	12	14	53	340	240	170	28	0,17
41767140	**M 14**	30	54	30	11	12	14	53	500	350	250	45	0,15
41767160	**M 16**	35	63	35	13	14	16	62	700	500	350	70	0,26
41767180	**M 18**	35	63	35	13	14	16	62	930	650	465	95	0,24
41767200	**M 20**	40	72	40	16	16	19	71	1200	860	600	135	0,41
41767220	**M 22**	40	72	40	16	16	19	71	1500	1050	750	182	0,36
41767240	**M 24**	50	90	50	20	20	24	90	1800	1290	900	230	0,75
41767270	**M 27**	50	90	50	20	20	24	90	2500	1830	1250	343	0,80

WLL = Working Load Limit

Serie alfabeto di punzoni a mano dritti
Alphabet serie of straight hand punches

ART. 41782 GnuBo

Descrizione:
Serie alfabeto di punzoni a mano dritti, caratteri a norma DIN 1451. Adatti per marcare acciai ad alta resistenza, accai inox, leghe al Cr-Mo, ghisa, fusioni grezze, bronzi, lamiere, ecc. Adatti per punzonare su materiali con resistenza fino a 130 Kg/mm² (circa 40 HRC). Costruiti in acciaio trafilato, temprati progressivamente: da 60 HRC (carattere) a 35 HRC (testa). Profilo a spigolo vivo. Composizione 26 lettere e punto.

Alphabet serie of straight hand punches, types according to DIN 1451. Suitable for marking high resistance steels, stainless steels,
Cr -Mo alloys, cast iron, blank castings, bronze, sheets, etc. Suitable for punching materials with resistance up to 130 Kg/mm² (approx. 40 HRC). Made in drawed steel, hardened in progression: from 60 HRC (type) to 35 HRC (head). Sharp edge profile. Composition 26 letters and full stop.

ART. 41782

Dati tecnici / Technical data

cod. code	altezza carattere type's height [mm]
41782020	2
41782030	3
41782040	4
41782050	5
41782060	6
41782080	8

Serie numeri di punzoni a mano dritti
Numbers serie of straight hand punches

ART. 41787 GnuBo

Descrizione:
Serie numeri di punzoni a mano dritti, caratteri a norma DIN 1451. Adatti per marcare acciai ad alta resistenza, accai inox, leghe al Cr-Mo, ghisa, fusioni grezze, bronzi, lamiere, ecc. Adatti per punzonare su materiali con resistenza fino a 130 Kg/mm² (circa 40 HRC). Costruiti in acciaio trafilato, temprati progressivamente: da 60 HRC (carattere) a 35 HRC (testa). Profilo a spigolo vivo. Composizione 9 cifre.

Numbers serie of straight hand punches, types according to DIN 1451. Suitable for marking high resistance steels, stainless steels, Cr-Mo alloys, cast iron, blank castings, bronze, sheets, etc. Suitable for punching materials with resistance up to 130 Kg/mm² (approx. 40 HRC). Made in drawed steel, hardened in progression: from 60 HRC (type) to 35 HRC (head). Sharp edge profile. Composition 9 ciphers.

ART. 41787

Dati tecnici / Technical data

cod. code	altezza carattere type's height [mm]
41787020	2
41787030	3
41787040	4
41787050	5
41787060	6
41787080	8

Guarda anche il nostro articolo cod. 98992 e 98995 negli utensili pneumatici **PENNA PNEUMATICA PER INCISIONI**: per tutti coloro che vogliono un utensile più professionale per marcare!

Pasta per riscontro
Checking paste

ART. 41805

Pasta per controllo di superfici e tracciature su tutti i tipi di metalli. Confezionata in barattoli da 250 ml, colore blu.

Paste for surface checking and tracing on all kind of

Cod.41805123

Antiadesivo NEUKADUR
Release agent NEUKADUR

ART. 41824

Descrizione:
Antiadesivo universale NEUKADUR adatto soprattutto per la rimozione di resine epossidiche e poliuretaniche da superfici metalliche ed appiccicose. Composto da cere modificate e siliconi disciolti in benzine volatili, di rapida asciugatura e odore delicato.

Universal released agent NEUKADUR suitable specially for the release of epoxy resins and polyurethanes on metallic and sucking surfaces. Based on modified waxes and silicones, dissolved in volatile benzines, quick drying and mild smelling.

ART. 41824150		
CARATTERISTICHE TECNICHE SPECIFICATIONS	UNITA' UNIT	VALORE VALUE
densità / density	g/cm^3	0,75
temperatura d'esercizio / working temperature	°C	< 100
stabilità termica / thermal stability	°C	170
confezione / packaging	kg	1,5

Olio di silicone
Silicone oil Olio di silicone

ART. 07768

Descrizione:
Olio siliconico Olio di silicone, soluzione a base di puro olio di silicone che possiede proprietà distaccanti e lubrificanti sui più svariati materiali, idrorepellente, lucidante e protettivo sulle parti plastiche e guarnizioni.

Pure solution of silicone oil Olio di silicone, with antiadhesive and lubricant features on many materials, water-repellent, polishing and protective on plastics and seals.

Art. 07768			
CARATTERISTICHE SPECIFICATIONS	UNITA' UNIT	cod. 400	cod. 500
confezione / packaging		bomboletta sray 15 bar / aerosol bomb 15 bar	tanica plastica / plastic can
capacità / capacity	l	0,4	5
colore / colour		trasparente / transparent	neutro / neutral
odore / odor		di solvente / of solvent	neutro / neutral
densita' relativa 20° C / relative density at 20° C	g/ml	0,75 - 0,80	0,88 - 0,92
punto d'infiammabilita' / flash point	°C	0	

Olio di silicone 1000
Silicone oil 1000

ART. 07769

Descrizione:
Olio di silicone puro 1000 indicato come antiadesivo e lubrificante per metalli, plastiche e gomme. E' insolubile in acqua, olio minerale, soluzioni di acidi e alcali, soluzioni saline, viene asportato dai solventi; è chimicamente inerte, atossico e fisicamente innocuo e può venire a contatto con acqua potabile e sostanze alimentari.

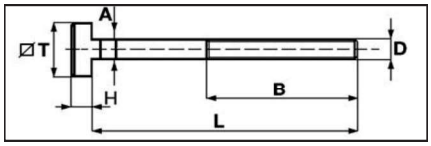
Pure silicone oil 1000 suitable as anti-adhesive and lubricant for metals, plastics and rubbers. It is insoluble in water, in mineral oil, in solutions of acids and alkalis, in saline solutions, it is removed by solvents; chemically inert, non-toxic and physically harmless, it can come in contact with drinking water and food.

Art. 07769		
CARATTERISTICHE SPECIFICATIONS	UNITA' UNIT	cod. 100
confezione / packaging		fustino / canister
capacità / capacity	kg	**10**
peso specifico a +25°C / specific weight at +25°C	g/ml	0,97
viscosità a +25°C / viscosity at +25°C		1000
viscosità a -20°C / viscosity at -20°C		3000
viscosità a +150°C / viscosity at +150°C		150
punto di solidificazione / freezing point	°C	-50
punto d'infiammabilità / flash point	°C	300
tensione superficiale / surface tension	dyne/cm	21

ART. 07769

Vite con testa a martello singola
Single hammerhead bolt

Art. 42107 GnuBo



Descrizione:
Vite con testa a martello singola DIN 787. Materiale UNI 42 Cr Mo 4. A norma ASTM A193-B7, classe 10.9.

Single hammerhead bolt DIN 787. Material UNI 42 Cr Mo 4. According to standard ASTM A193-B7, class 10.9.

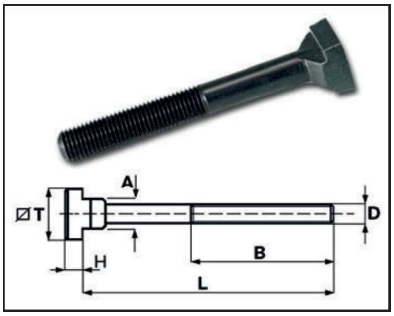
ART. 42107

Dati tecnici / Technical data

cod. code	D	L [mm]	B [mm]	A [mm]	T [mm]	H [mm]	cava slot [mm]	peso weight [g]	cod. code	D	L [mm]	B [mm]	A [mm]	T [mm]	H [mm]	cava slot [mm]	peso weight [g]
42107127	M 10	63	45	9,7	15	6	10	50	42107426	M 18	125	85	17,7	28	10	18	280
42107140	M 10	80	55	9,7	15	6	10	55	42107439	M 18	150	100	17,7	28	10	18	320
42107153	M 10	100	60	9,7	15	6	10	70	42107452	M 18	170	100	17,7	28	10	18	350
42107166	M 10	125	75	9,7	15	6	10	75	42107465	M 18	200	125	17,7	28	10	18	400
42107179	M 10	150	100	9,7	15	6	10	90	42107478	M 18	230	150	17,7	28	10	18	430
42107192	M 12	63	45	11,7	18	7	12	65	42107491	M 20	80	55	19,7	32	12	20	290
42107205	M 12	80	55	11,7	18	7	12	75	42107504	M 20	100	63	19,7	32	12	20	340
42107218	M 12	100	60	11,7	18	7	12	90	42107517	M 20	125	85	19,7	32	12	20	390
42107231	M 12	125	75	11,7	18	7	12	110	42107530	M 20	150	100	19,7	32	12	20	450
42107244	M 12	150	100	11,7	18	7	12	130	42107543	M 20	170	100	19,7	32	12	20	475
42107257	M 14	80	55	13,7	22	8	14	100	42107556	M 20	200	125	19,7	32	12	20	550
42107270	M 14	100	65	13,7	22	8	14	135	42107569	M 20	230	150	19,7	32	12	20	670
42107283	M 14	125	75	13,7	22	8	14	160	42107582	M 22	80	55	21,7	35	14	22	330
42107296	M 14	150	100	13,7	22	8	14	190	42107595	M 22	100	63	21,7	35	14	22	370
42107309	M 16	80	55	15,7	25	9	16	160	42107608	M 22	125	85	21,7	35	14	22	430
42107322	M 16	100	63	15,7	25	9	16	180	42107621	M 22	150	100	21,7	35	14	22	500
42107335	M 16	125	75	15,7	25	9	16	225	42107634	M 22	170	100	21,7	35	14	22	590
42107348	M 16	150	100	15,7	25	9	16	255	42107647	M 22	200	125	21,7	35	14	22	660
42107361	M 16	170	100	15,7	25	9	16	280	42107660	M 24	125	85	23,7	40	16	24	600
42107374	M 16	200	125	15,7	25	9	16	315	42107673	M 24	160	110	23,7	40	16	24	740
42107387	M 16	230	150	15,7	25	9	16	360	42107686	M 24	200	125	23,7	40	16	24	900
42107400	M 18	80	55	17,7	28	10	18	185	42107699	M 24	230	150	23,7	40	16	24	950
42107413	M 18	100	65	17,7	28	10	18	203									

Vite con testa a martello singola
Single hammerhead bolt

Art. 42112 GnuBo



Descrizione:
Vite con testa a martello singola DIN 787. Materiale UNI 42 Cr Mo 4. A norma ASTM A 193-B7, classe 10.9.

Single hammerhead bolt DIN 787. Material: UNI 42 Cr Mo 4. According to standard: ASTM A 193-B7, class 10.9.

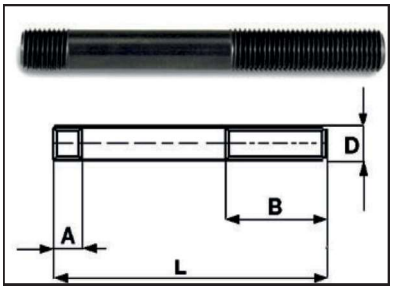
ART. 42112

Dati tecnici / Technical data

cod. code	D	L [mm]	B [mm]	A [mm]	T [mm]	H [mm]	cava slot [mm]	peso weight [g]
42112127	M 12	63	45	13,7	22	8	14	50
42112160	M 12	80	55	13,7	22	8	14	100
42112193	M 12	125	75	13,7	22	8	14	120
42112226	M 16	80	55	17,7	28	10	18	185
42112259	M 16	100	63	17,7	28	10	18	205
42112292	M 16	160	100	17,7	28	10	18	280
42112325	M 16	200	125	17,7	28	10	18	345
42112358	M 20	100	63	21,7	35	14	22	380
42112391	M 20	125	85	21,7	35	14	22	430
42112424	M 20	160	110	21,7	35	14	22	490
42112457	M 20	200	125	21,7	35	14	22	570

Prigioniero singolo
Single stud

Art. 42132 GnuBo



Descrizione:
Prigioniero singolo. Materiale UNI 42 Cr Mo 4, DIN 6379. A norma ASTM A193-B7, classe 10.9. Filetto ottenuto per rullatura.

Single stud. Material UNI 42CrMo4, DIN 6379. According to standard ASTM A193-B7, class 10.9. Rolled thread.

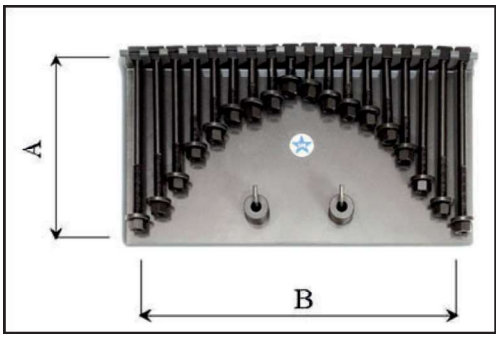
ART. 42132

Dati tecnici / Technical data

cod. code	D	L [mm]	A [mm]	B [mm]	peso weight [g]	cod. code	D	L [mm]	A [mm]	B [mm]	peso weight [g]
42132116	M 14	63	17	32	65	42132270	M 16	315	19	180	425
42132121	M 14	80	17	50	80	42132281	M 18	80	23	50	130
42132127	M 14	100	17	63	95	42132283	M 18	100	23	50	165
42132140	M 14	120	17	75	120	42132296	M 18	125	23	75	200
42132153	M 14	160	17	100	150	42132307	M 18	150	23	60	-
42132166	M 14	200	17	125	195	42132309	M 18	160	23	100	255
42132179	M 14	225	17	160	225	42132322	M 18	200	23	125	320
42132192	M 14	250	17	160	240	42132325	M 18	225	23	80	-
42132199	M 16	63	19	35	85	42132328	M 18	250	23	85	-
42132201	M 16	80	19	50	105	42132331	M 18	315	23	100	-
42132205	M 16	125	19	75	160	42132333	M 20	80	27	30	165
42132216	M 16	150	19	80	-	42132335	M 20	125	27	70	255
42132218	M 16	160	19	100	220	42132348	M 20	160	27	100	330
42132228	M 16	180	19	60	-	42132361	M 20	200	27	125	410
42132231	M 16	200	19	125	280	42132374	M 20	225	27	160	465
42132244	M 16	225	19	160	295	42132387	M 20	250	27	160	510
42132257	M 16	250	19	160	325	42132400	M 20	315	27	200	640

Serie di viti con testa a martello e rondelle
Set of hammerhead bolts and washers

Art. 42145 GnuBo



Descrizione:
Serie di viti con testa a martello (art. 42107) complete di dadi e rondelle normali (art. 42232) con contenitore.

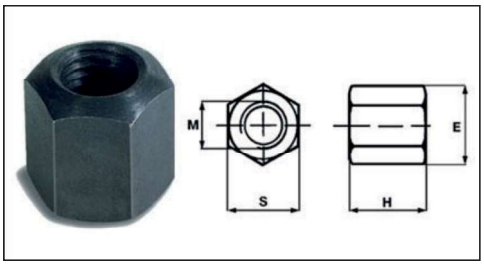
Set of hammerhead bolts (art. 42107) with nuts and flat washers (art. 42232) with holder.

ART. 42145
Dati tecnici / Technical data

cod. code	n° viti n° screws	cava slot [mm]	A x B [cm]	cod. code	n° viti n° screws	cava slot [mm]	A x B [cm]
42145127	n° 2 M10x40 n° 2 M10x60 n° 2 M10x80 n° 2 M10x100 n° 2 M10x125 n° 2 M10x150 n° 2 M10x170 n° 10 rondelle/washers	10	35 x 21	42145265	n° 2 M16x60 n° 2 M16x80 n° 2 M16x100 n° 2 M16x125 n° 2 M16x150 n° 2 M16x170 n° 2 M16x200 n° 2 M16x230 n° 10 rondelle/washers	16	50 x 25
42145173	n° 2 M12x40 n° 2 M12x50 n° 2 M12x60 n°2 M12x80 n° 2 M12x100 n° 2 M12x125 n° 2 M12x150 n° 2 M12x170 n° 2 M12x200 n° 10 rondelle/washers	12	46 x 23	42145311	n° 2 M18x80 n° 2 M18x100 n° 2 M18x125 n° 2 M18x150 n° 2 M18x170 n° 2 M18x200 n° 2 M18x230 n° 10 rondelle/washers	18	50 x 25
42145219	n° 2 M14x60 n° 2 M14x80 n° 2 M14x100 n° 2 M14x125 n° 2 M14x150 n° 2 M14x170 n° 2 M14x200 n° 2 M14x230 n° 10 rondelle/washers	14	50 x 25	42145357	n° 2 M20x80 n° 2 M20x100 n° 2 M20x125 n° 2 M20x150 n° 2 M20x170 n° 2 M20x200 n° 2 M20x230 n° 10 rondelle/washers	20	60 x 25

Dado alto tornito
Turned tall nut

Art. 42207 GnuBo



ART. 42207
Dati tecnici / Technical data

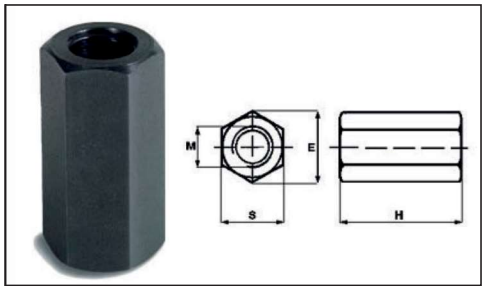
cod. code	M	S [mm]	E [mm]	H [mm]	peso weight [g]
42207060	**M 6**	10	11,5	9	5
42207080	**M 8**	13	14,8	12	9
42207100	**M 10**	17	19,6	15	20
42207120	**M 12**	19	21,5	18	28
42207140	**M 14**	22	25	21	45
42207160	**M 16**	24	27,5	24	58
42207180	**M 18**	27	31	27	83
42207200	**M 20**	30	34,6	30	110
42207220	**M 22**	32	36,9	33	130
42207240	**M 24**	36	41,6	36	195

Descrizione:
Dado alto tornito in acciaio classe 10K, DIN 6330 B.

Turned tall nut made of steel class 10K, DIN 6330 B.

Dado di prolungamento
Extension nut

Art. 42213 GnuBo



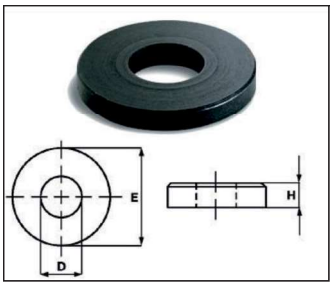
ART. 42213
Dati tecnici / Technical data

cod. code	M	S [mm]	E [mm]	H [mm]	peso weight [g]
42213060	**M 6**	10	11,5	18	8
42213080	**M 8**	13	14,8	24	19
42213100	**M 10**	17	19,6	30	42
42213120	**M 12**	19	21,5	36	64
42213140	**M 14**	22	25	42	95
42213160	**M 16**	24	27,5	48	120
42213180	**M 18**	27	31	54	170
42213200	**M 20**	30	34,6	60	240
42213220	**M 22**	32	36,9	66	280
42213240	**M 24**	36	41,6	72	400

Descrizione:
Dado di prolungamento in acciaio, classe 10K.

Extension nut made of steel, class 10K.

Rondella normale
Flat washer



ART. 42232

Dati tecnici / Technical data

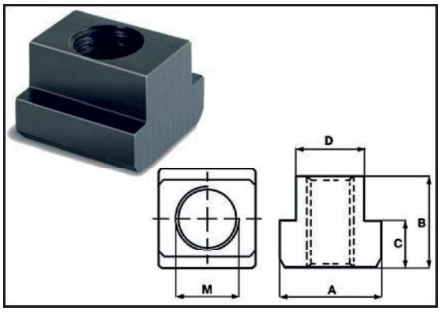
cod. code	misura size [mm]	D [mm]	E [mm]	H [mm]	peso weight [g]
42232060	**M 6**	6,4	13	3,5	3
42232080	**M 8**	8,4	18	4	6
42232100	**M 10**	10,5	22	4	9
42232120	**M 12**	13	28	5	20
42232140	**M 14**	15	35	6	35
42232160	**M 16**	17	35	6	35
42232180	**M 18**	19	40	6	45
42232200	**M 20**	21	40	6	45
42232220	**M 22**	23	45	8	75
42232240	**M 24**	25	45	8	70

Art. 42232

Descrizione:
Rondella normale tornita in acciaio, classe 8.8.

Flat washer made of steel, class 8.8.

Tassello per cave a T
Nut for T-slots



ART. 42242

Dati tecnici / Technical data

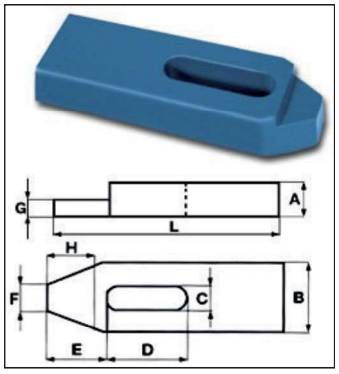
cod. code	M	D [mm]	A [mm]	B [mm]	C [mm]	cava slot [mm]	peso weight [g]
42242060	**M 6**	7,5	13	10	6	8	9
42242080	**M 8**	9,7	15	12	6	10	12
42242100	**M 10**	11,7	18	14	7	12	20
42242120	**M 12**	13,7	22	16	8	14	37
42242140	**M 14**	15,7	25	18	9	16	52
42242160	**M 16**	17,7	28	20	10	18	60
42242180	**M 18**	19,7	32	24	12	20	100
42242200	**M 20**	21,7	35	28	14	22	155

Art. 42242

Descrizione:
Tassello per cave a T, DIN 508, UNI 5531.
Materiale acciaio classe 8G.

Nut for T-slots, DIN 508, UNI 5531.
Material steel class 8G.

Staffa semplice ridotta
Shaped standard clamp



Art. 42312

Descrizione:
Staffa semplice ridotta. Materiale acciaio da bonifica verniciato R > 700 N/mm².

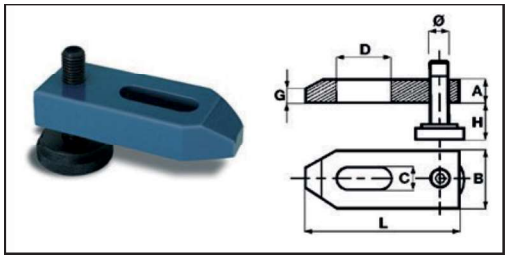
Shaped standard clamp. Material tempering painted steel R > 700 N/mm².

ART. 42312

Dati tecnici / Technical data

cod. code	G [mm]	A [mm]	B [mm]	L [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	diam. vite di staffaggio clamping screw's diam. [mm]	peso weight [g]
42312127	12	20	40	100	14	40	21	12	12	12-14	480
42312150	15	25	50	125	18	45	26	18	15	16 - 18	960
42312173	15	25	50	160	18	65	26	18	15	16 - 18	1230
42312196	20	30	60	160	22	60	30	22	20	20 - 22	1800
42312219	20	30	60	200	22	80	30	22	20	20 - 22	2200
42312242	20	30	70	200	26	80	35	26	25	24	2450

Staffa regolabile con vite a passo fine
Adjustable clamp with fine pitch screw



Art. 42315

Descrizione:
Staffa regolabile con vite a passo fine, DIN 6314 V.
Materiale acciaio da bonifica verniciato R >700 N/mm².

Adjustable clamp with fine pitch screw, DIN 6314 V.
Material tempering painted steel R >700 N/mm².

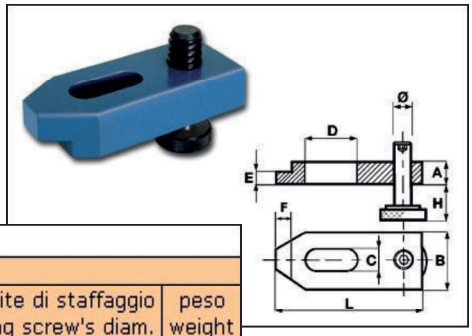
ART. 42315

Dati tecnici / Technical data

cod. code	A [mm]	B [mm]	L [mm]	H [mm]	C [mm]	D [mm]	vite di regolazione adjusting screw	G [mm]	diam. vite di staffaggio clamping screw's diam. [mm]	peso weight [g]
42315127	15	30	80	8-28	11	30	M 10	10	10	215

Staffa regolabile con vite a passo quadro
Adjustable clamp with square thread screw

Art. 42317 GnuBo



Descrizione:
Staffa regolabile con vite a passo quadro.
Materiale acciaio da bonifica verniciato R >700 N/mm².

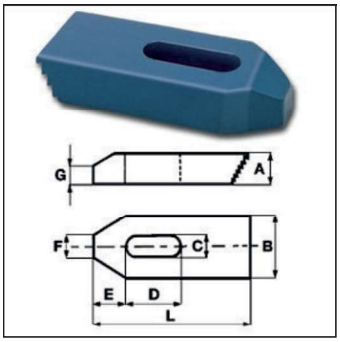
Adjustable clamp with square thread screw.
Material tempering painted steel R >700 N/mm².

ART. 42317
Dati tecnici / Technical data

cod. code	A [mm]	B [mm]	L [mm]	H [mm]	C [mm]	D [mm]	vite di regolazione adjusting screw	E [mm]	F [mm]	diam. vite di staffaggio clamping screw's diam. [mm]	peso weight [g]
42317233	20	40	100	15-50	15	40	20x4	12	12	12 - 14	430
42317256	25	50	125	15-70	19	45	20x4	15	15	16 - 18	900
42317279	25	50	160	15-70	19	60	30x6	15	15	16 - 18	1100
42317302	25	50	200	15-70	19	80	30x6	15	15	16 - 18	1430
42317325	30	60	160	15-70	23	60	30x6	15	20	20 - 22	1580
42317348	30	60	200	15-70	23	80	30x6	15	20	20 - 22	2030
42317371	40	70	200	15-70	27	80	30x6	25	23	24	3160

Staffa dentata
Toothed clamp

Art. 42322 GnuBo



Descrizione:
Staffa dentata DIN 6314 Z. Materiale acciaio da bonifica verniciato R >700 N/mm².

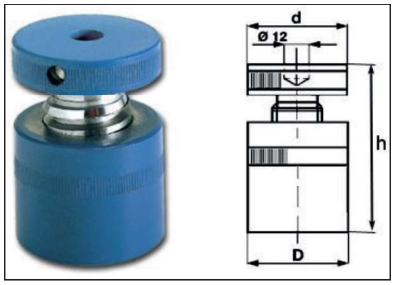
Toothed clamp DIN 6314 Z. Material tempering painted steel R >700 N/mm².

ART. 42322
Dati tecnici / Technical data

cod. code	A [mm]	B [mm]	L [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	diam. vite di staffaggio clamping screw's diam. [mm]	peso weight [g]
42322196	15	30	80	11	30	15	12	10	10	205
42322254	20	40	100	14	40	21	14	12	12 - 14	445
42322302	30	60	160	22	60	30	22	18	20 - 22	1700

Appoggio a vite
Screw support

Art. 42357 GnuBo



Descrizione:
Appoggio a vite, Nr. 6400.
Materiale acciaio da bonifica verniciato.

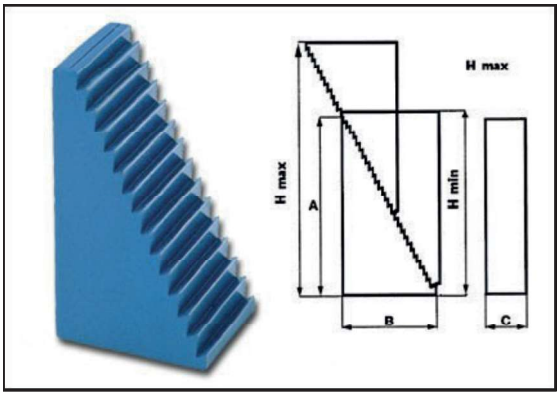
Screw support, Nr. 6400.
Material tempering painted steel.

ART. 42357
Dati tecnici / Technical data

cod. code	h min [mm]	h max [mm]	D [mm]	d [mm]	forza force [kN]	peso weight [g]
42357234	38	50	34	34	**20**	190
42357269	50	70	50	50	**60**	650
42357304	70	100	50	50	**60**	900
42357339	100	140	70	65	**105**	2600

Appoggio dentato
Toothed support

Art. 42372 GnuBo



Descrizione:
Appoggio dentato, Nr 6500 E. Materiale acciaio da bonifica verniciato.

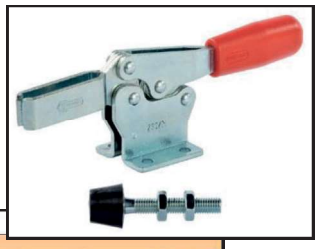
Toothed support, Nr 6500 E. Material tempering painted steel.

ART. 42372
Dati tecnici / Technical data

cod. code	H min [mm]	H max [mm]	A [mm]	B [mm]	C [mm]	altezza gradino tooth's height [mm]	lunghezza gradino tooth's length [mm]	peso weight [g]
42372234	25	53	31,5	22	30	4,65	2,3	90
42372300	41	105	64,5	36,5	30	4,65	2,3	300
42372366	70	208	128	68	30	4,65	2,3	1050

Dispositivo di fissaggio rapido tipo orizzontale
Horizontal acting toggle clamp

Art. 42416 GnuBo



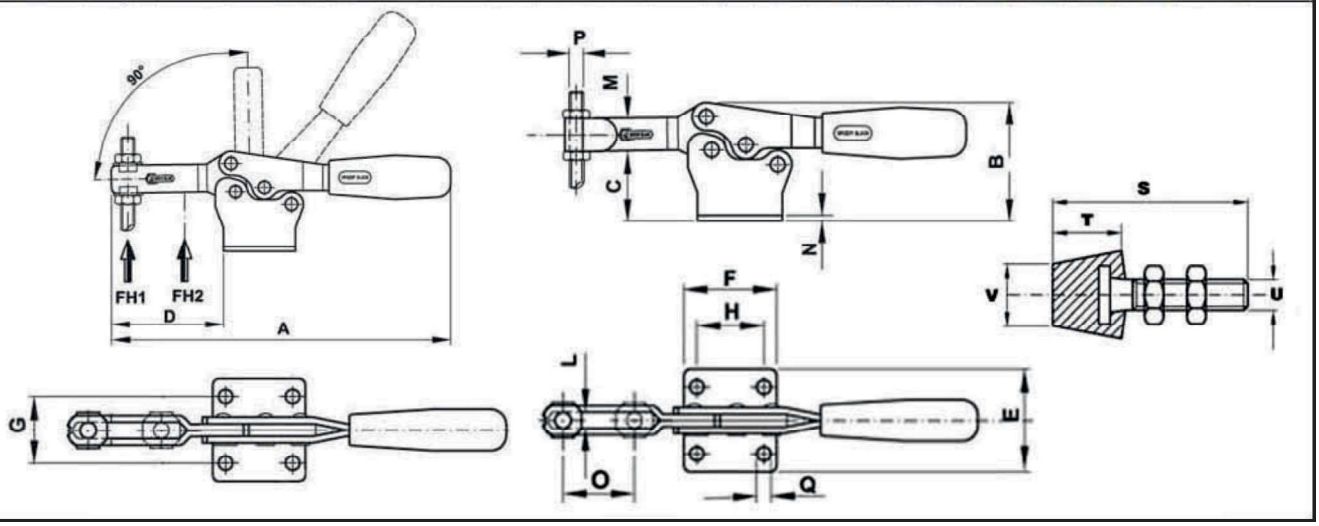
Descrizione:
Dispositivo di fissaggio rapido tipo orizzontale a base piana, a doppia leva, adatto per lavorazioni in poco spazio. Corpo e componenti zincati, rivetti in accio inox, maniglia rossa in vinile, perno regolabile con puntale in neoprene.

Horizontal acting toggle clamp with open twin-arm and horizontal base, fit for working in small space. Body and components made of zinc plated steel, rivets of inox steel, red handle of vinyl, adjustable pin with point made of noprene.

ART. 42416

Dati tecnici / Technical data

cod. code	tipo kind	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	L [mm]	M [mm]	N [mm]	O [mm]	P [mm]	Q [mm]	S [mm]	T [mm]	U [mm]	V [mm]	FH1 [daN]	FH2 [daN]	peso weight [g]
42416100	*75/M*	118	37	20	40	26	28	17	13,5	5,5	11	2	20	M5	4,5	45	11	M5	10	90	135	88
42416200	*130/M*	170	51	29	56	40	36	26	26	6,5	14	2,5	32	M6	5,5	55	12	M6	13	100	200	200
42416300	*230/M*	195	61,5	36,5	65	42	44	28,5	26	8,5	18	3	37	M8	6,5	68	16	M8	16	170	330	170
42416400	*355/M*	269	83	50	100	56	60	41	41	10	22	3,5	58	M10	8,5	80	20	M10	20	180	400	700



Dispositivo di fissaggio rapido tipo verticale
Vertical acting toggle clamp

Art. 42422 GnuBo

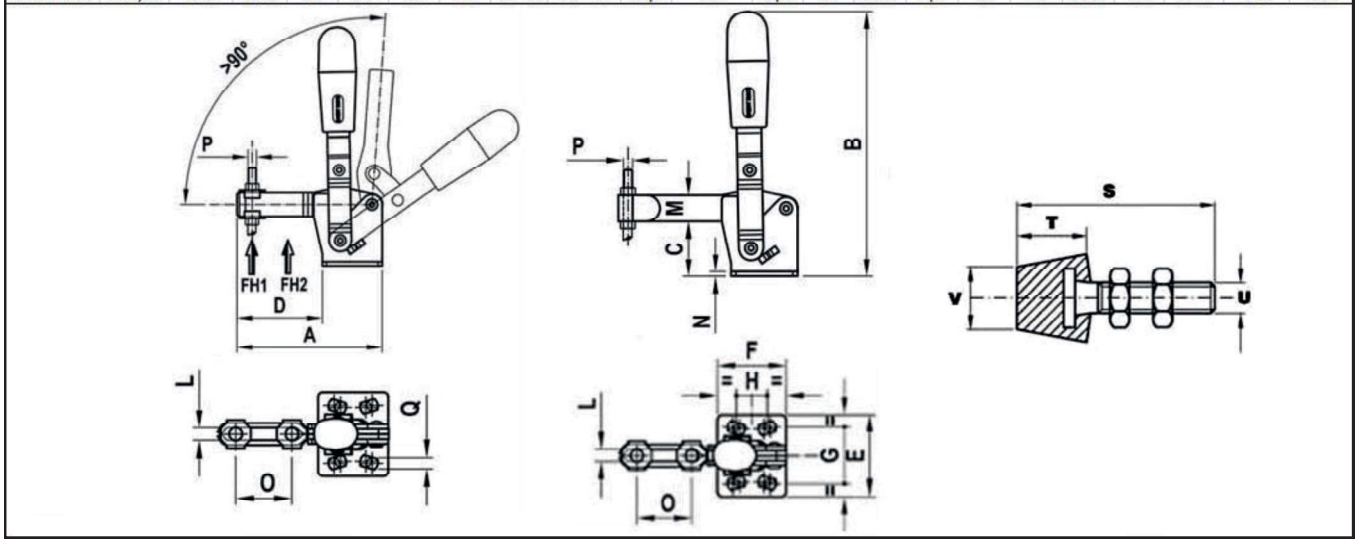
Descrizione:
Dispositivo di fissaggio rapido tipo verticale a base piana, a doppia leva, adatto per una maggiore forza di serraggio. Corpo e componenti zincati, rivetti in accio inox, maniglia rossa in vinile, perno regolabile con puntale in neoprene.

Vertical acting toggle clamp with open twin-arm and horizontal base, for bigger clamping strength. Body and components made of zinc plated steel, rivets of inox steel, red handle of vinyl, adjustable pin with point made of neoprene.

ART. 42422

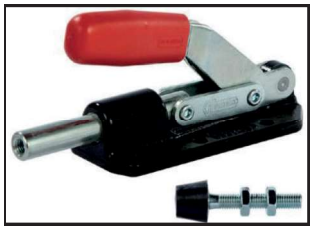
Dati tecnici / Technical data

cod. code	tipo kind	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	L [mm]	M [mm]	N [mm]	O [mm]	P [mm]	Q [mm]	S [mm]	T [mm]	U [mm]	V [mm]	FH1 [daN]	FH2 [daN]	peso weight [g]
42422100	*75/A*	66,5	98	20,5	37,5	34	29	24	15-16	5,2	11	2	20	M5	4,5	45	11	M5	10	75	160	98
42422200	*130/A*	85	142	28	50	42	35	27-29	12,5-19	6,2	16	2,5	28	M6	5,6	55	12	M6	13	105	175	230
42422300	*230/A*	110,5	168	33,5	67,5	45	43	32	19-20	8,5	18	3	40	M8	6,7	68	16	M8	16	200	320	380
42422400	*330/A*	129	195	43	79	65	50	45-46	29-32	10,5	22	3,5	43	M10	8,5	80	20	M10	20	240	400	604



Dispositivo di fissaggio rapido tipo a spinta e trazione
Push-pull type toggle handle clamp

Art. 42428 GnuBo

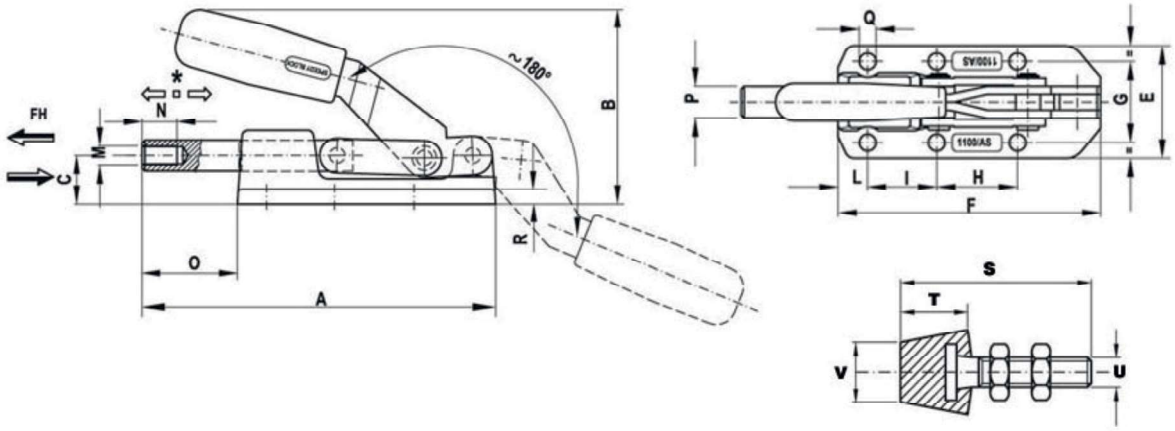


Descrizione:
Dispositivo di fissaggio rapido tipo tipo a spinta e trazione con meccanismo a pistone, adatto per lavorazioni in poco spazio. Tipo pesante, corpo e componenti zincati, rivetti in accio inox, maniglia rossa in vinile, perno regolabile.

Push-pull type toggle handle clamp with piston mechanism, fit for working in small space. Heavy kind, body and components made of zinc plated steel, rivets of inox steel, red handle of vinyl, adjustable pin with point.

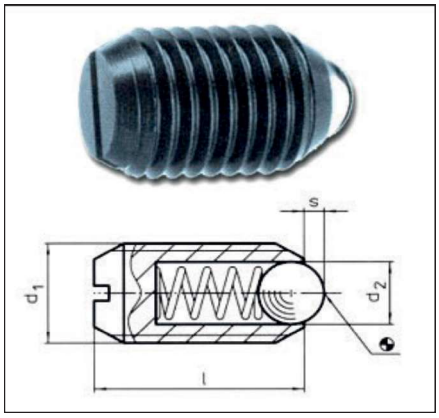
ART. 42428
Dati tecnici / Technical data

cod. code	tipo kind	A [mm]	B [mm]	C [mm]	E [mm]	F [mm]	G [mm]	H [mm]	L [mm]	M [mm]	N [mm]	O [mm]	P [mm]	Q [mm]	R [mm]	* [mm]	S [mm]	T [mm]	U [mm]	V [mm]	FH [daN]	peso weight [g]
42428100	*160/AS*	116	56	15	46	85	33,5	36,5	11	M6	12	31	11	5,5	10	30	55	12	M6	13	280	400
42428200	*360/AS*	122	72	25	45,5	90	33,5	36,5	30	M8	15	32	12	5,5	7	32	68	16	M8	16	560	440
42428300	*550/AS*	164,5	76	18	55	122,5	41	41	15	M8	16	42	14	7	6	42	68	16	M8	16	800	700



Grano con sfera e intaglio per cacciavite
Dowel with ball and screwdriver cut

Art. 42456 GnuBo



Descrizione:
Grano con sfera e intaglio per cacciavite.
Materiale: corpo in acciaio 5.8 brunito, sfera in acciaio inox temprata e lucidata.

Dowel with ball and screwdriver cut.
Material: body made of burnished steel 5.8, ball in hardened and polished inox steel.

ART. 42456
Dati tecnici / Technical data

cod. code	d_1	l [mm]	s [mm]	d_2 [mm]	forza iniziale initial force [N]	forza finale final force [N]
42456040	**M 4**	9	0,8	2,5	6	12
42456050	**M 5**	12	0,9	3	7	13
42456060	**M 6**	14	1,0	3,5	9	15
42456080	**M 8**	16	1,5	5	20	35
42456100	**M 10**	19	2,0	6	25	45
42456120	**M 12**	22	2,5	8	35	60
42456160	**M 16**	24	3,5	10	65	110

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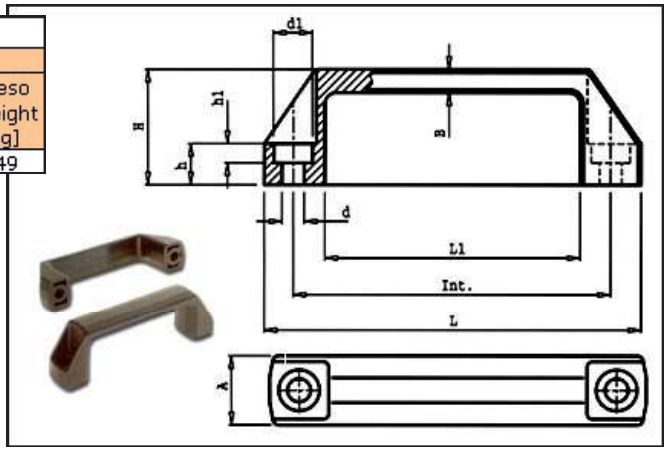
Maniglia a ponte con foro passante
U-handle with through hole

Art. 42513 GnuBo

ART. 42513 Dati tecnici / Technical data											
cod. code	Int. [mm]	L [mm]	L1 [mm]	h [mm]	h1 [mm]	d [mm]	d1 [mm]	H [mm]	B [mm]	A [mm]	peso weight [g]
42513117	117 ± 0,5	136	92	15	9	8,5	14	42	8,5	25	49



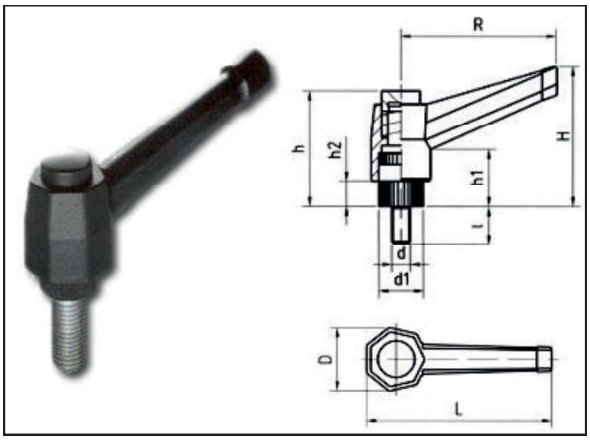
Descrizione:
Maniglia a ponte con foro passante.
Tecnopolimero rinforzato con fibra di vetro, di colore nero, resistente a solventi, oli, grassi ed altri agenti chimici.
Fissaggio a mezzo di viti a testa cilindrica con esagono incassato.
Temperatura d'esercizio fino a 150°C.

U-handle with through hole.
Technopolymer, fiberglass-strengthened, black colour, solvents-oils-greases and other chemical agents proof.
Fastening by socket-head screws.
Working temperature to 150°C.

Maniglia a ripresa pulsante con perno in ferro
Ratchet handle with adjusting button male, steel insert

Art. 42523 GnuBo

ART. 42523 Dati tecnici / Technical data											
cod. code	R [mm]	L [mm]	H [mm]	D [mm]	h [mm]	h1 [mm]	h2 [mm]	d	d1 [mm]	l [mm]	peso weight [g]
42523060	40	50	42	17	33	15	7	**M 6**	12	30	18
42523080	60	70	42	22	37	14	8	**M 8**	15	40	32
42523100	60	70	42	22	37	14	8	**M10**	15	50	60
42523120	80	95	59	27	49	20	9	**M12**	19	50	82



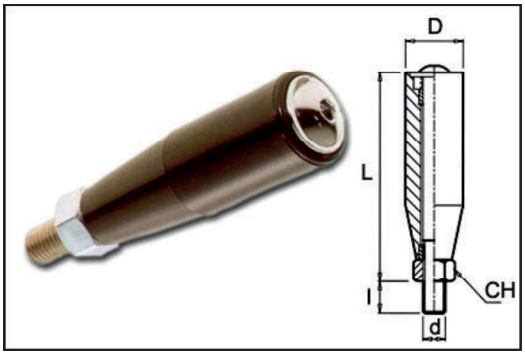
Descrizione: Maniglia a ripresa pulsante con perno in ferro.
Tecnopolimero rinforzato con fibra di vetro, di colore nero, resistente a solventi, oli, grassi ed altri agenti chimici. Perno in AVP zincato, filettato con estremità finale smussata.
Pulsante di ripresa in tecnopolimero rinforzato con fibra di vetro, di colore nero e molla di richiamo in acciaio inox.

Ratchet handle with adjusting button male, steel insert. Technopolymer, fiberglass-strengthened, black colour, solvents-oils-greases and other chemical agents proof.
Zinc-plated steel insert, threaded. Push-botton made from technopolymer, fiberglass-straightened, black colour.Stainless steel return-spring.

Maniglia girevole con bronzine
Revolving handle with brass bushings

Art. 42533 GnuBo

ART. 42533 Dati tecnici / Technical data						
cod. code	D [mm]	d	L [mm]	CH [mm]	l [mm]	peso weight [g]
42533100	24	**M 10**	85	17x10	17	103



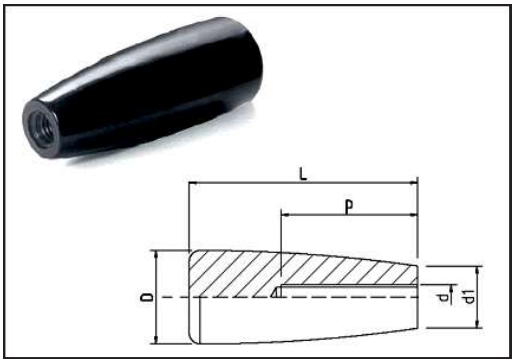
Descrizione:
Maniglia girevole con bronzine.
Tecnopolimero rinforzato con fibra di vetro, di colore nero, resistente a solventi, oli, grassi ed altri agenti chimici. Perno in AVP cromato.

Revolving handle with brass bushings. Technopolymer, fiberglass-strengthened, black colour, solvents-oils-greases and other chemical agents proof. Chromium-plated steel bolt.

Maniglia ogivale con foro cieco filettato
Handle with moulded thread

Art. 42537 GnuBo

ART. 42537 Dati tecnici / Technical data						
cod. code	L [mm]	d	d1 [mm]	D [mm]	P [mm]	peso weight [g]
42537120	84	**M 12**	21	33	45	59



Descrizione:
Maniglia ogivale con foro cieco filettato.
Duroplasto di colore nero, resistente a solventi, oli, grassi ed altri agenti chimici.

Handle with moulded thread. Phenoplast, black colour, solvents-oils-greases and other chemical agents proof.

Volantino a 7 punte con perno in ferro
Star knob, 7 points with threaded steel bolt

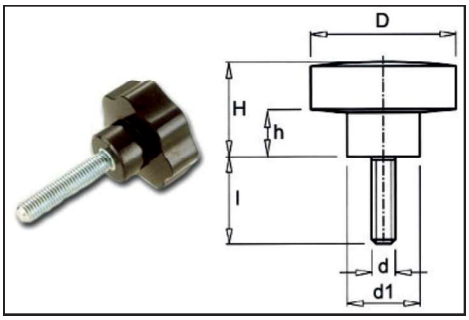
Art. 42557 GnuBo

Descrizione:
Volantino a 7 punte con perno in ferro. Duroplasto di colore nero, resistente a solventi, oli, grassi ed altri agenti chimici. Perno in AVP zincato, filettato con estremità terminale smussata. Corrispondenza UNI 6961-71.

Star knob, 7 points with threaded steel bolt. Phenoplast, black colour, solvents-oils-greases and other chemical agents proof. Zinc-plated steel bolt, threaded, chamfered end. UNI 6961-71.

ART. 42557
Dati tecnici / Technical data

cod. code	D [mm]	d	d1 [mm]	H [mm]	h [mm]	l [mm]	peso weight [g]
42557127	**30**	M 5	17	23	10	30	19
42557161	**30**	M 6	17	23	10	30	21
42557195	**40**	M 8	21	27	11	30	41
42557229	**40**	M 10	21	27	11	30	51
42557263	**60**	M 8	28	39	18	30	94
42557297	**60**	M 10	28	39	18	40	100
42557331	**60**	M 12	28	39	18	50	125



Volantino a 9 punte con boccola in ottone filettata
Handwheel, 9 points with threaded brass insert

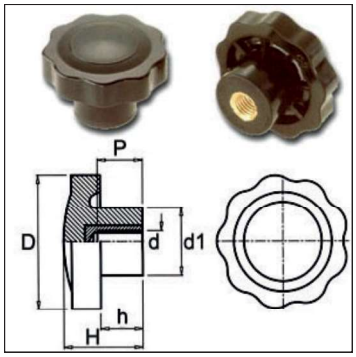
Art. 42559 GnuBo

Descrizione:
Volantino a 9 punte con boccola in ottone con foro cieco filettato. Duroplasto di colore nero, resistente a solventi, oli, grassi ed altri agenti chimici.

Handwheel, 9 points with brass insert, threaded blind hole. Phenoplast, black colour, solvents-oils-greases and other chemical agents proof.

ART. 42559
Dati tecnici / Technical data

cod. code	D [mm]	d	d1 [mm]	H [mm]	h [mm]	P [mm]	peso weight [g]
42559331	**60**	M 10	27	34	18	22	61



Volantino a 7 punte con boccola in ottone filettata
Handwheel, 7 points with threaded brass insert

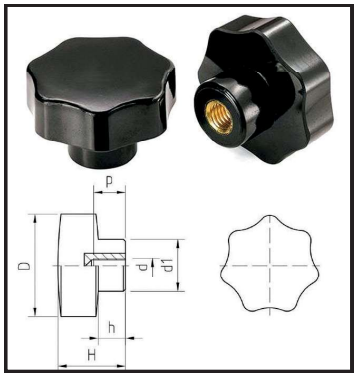
Art. 42560 GnuBo

Descrizione:
Volantino a 7 punte in duroplasto di colore nero, resistente a solventi, oli, grassi ed altri agenti chimici; boccola in ottone con foro cieco filettato, UNI 6960-71 tipo A.

Handwheel with 7 points made of phenoplast, black colour, solvents-oils-greases and other chemical agents proof; with brass insert, threaded blind hole, UNI 6960-71 tipo A.

ART. 42560
Dati tecnici / Technical data

cod. code	D [mm]	d	d1 [mm]	H [mm]	h [mm]	P [mm]	peso weight [g]
42560050	**30**	M 5	17	23	10	10	15
42560060	**30**	M 6	17	23	10	16	17
42560120	**40**	M 8	21	27	11	16	33
42560140	**40**	M 10	21	27	11	16	33



Volantino a 4 razze con maniglia girevole
Handwheel, 4 spokes with revolving handle

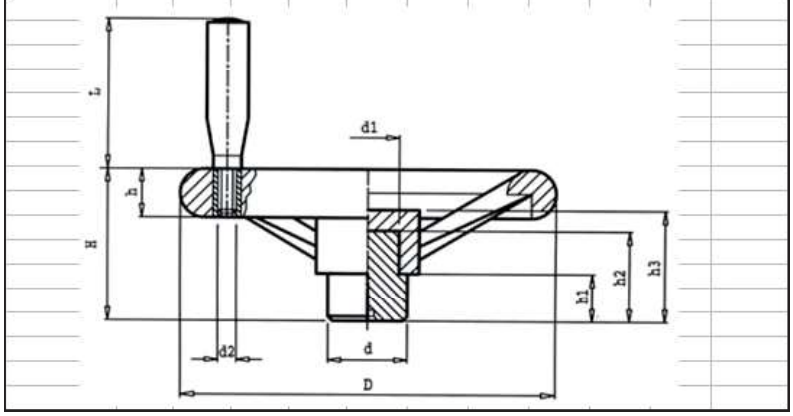
Art. 42563 GnuBo

Descrizione:
Volantino a 4 razze con maniglia girevole con bronzine (cod. 42533). Duroplasto rinforzato di colore nero, resistente a solventi, oli, grassi ed altri agenti chimici. Mozzo in AVP zincato con pre-foro. Perno in AVP cromato. Maniglia in tecnopolimero rinforzato con fibra di vetro, di colore nero.
Corrispondenza UNI 6963-71 forma B tipo 1.

Handwheel, 4 spokes with revolving handle with brass bushings (code 42533). Phenoplast, black colour, solvents-oils-greases and other chemical agents proof. Zinc-plated steel hub, with predrilled hole. Handle in tecnoplymer, fiberglass-strengthened, black colour. Chromium-plated steel bolt. To UNI 6963-71 form B type 1.

ART. 42563
Dati tecnici / Technical data

cod. code	D [mm]	d [mm]	d1 [mm]	d2 [mm]	H [mm]	h [mm]	h1 [mm]	h2 [mm]	h3 [mm]	L [mm]	peso weight [g]
42563160	**160**	32	27	M 10	56	22	21	40	43	85	558

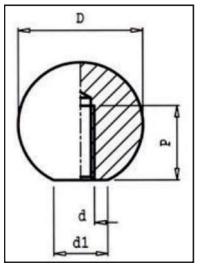


Pomolo a sfera con foro cieco filettato
Ball knob with moulded thread

Art. 42575 GnuBo

Descrizione:
Pomolo a sfera con foro cieco filettato, resistente a solventi, oli, grassi ed altri agenti chimici.
Duroplasto di colore nero.

Ball knob with moulded thread. Solvents-oils-greases and other chemical agents proof.
Phenoplast, black colour.



ART. 42575
Dati tecnici / Technical data

cod. code	D [mm]	d [mm]	P [mm]	d1 [mm]	peso weight [g]
42575127	30	**M 8**	20	16	17
42575161	35	**M 10**	30	16	27
42575195	40	**M 12**	30	16	42
42575229	45	**M 12**	30	22	59

Apparecchiature magnetiche - Magneti permanenti

Magnete permanente ceramico
Permanent ceramic magnet

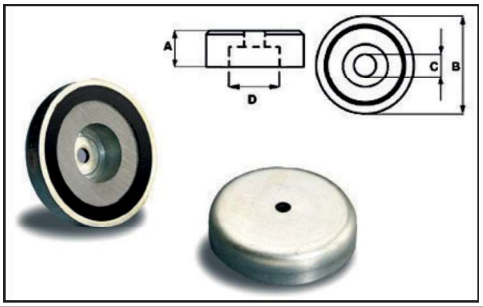
Art. 42707 GnuBo

Descrizione:
Magnete permanente ceramico. Formato da un magnete ceramico e una protezione in acciaio.
Dotato di foro di fissaggio.

ART. 42707
Dati tecnici / Technical data

cod. code	A [mm]	B [mm]	C [mm]	D [mm]	forza force [kg]	peso weight [kg]
42707093	15	71	10	25	**25**	0,3

Permanent ceramic magnet,
which consists of a ceramic magnet housed in an iron protective cover.
Complete with fixing hole.



Magnete permanente in lega alnico, forma cilindrica
Permanent magnet in alnico alloy, cylindrical shape

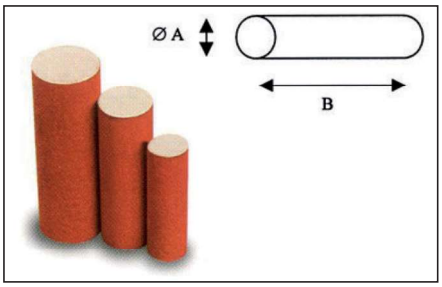
Art. 42722 GnuBo

Descrizione:
Magnete permanente in lega alnico, forma cilindrica, magnete allo stato puro.
Resistenza al calore fino a 450°C.

Permanent magnet in alnico alloy, cylindrical shape, pure magnet.
Heat resistance until 450°C.

ART. 42722
Dati tecnici / Technical data

cod. code	A [mm]	B [mm]	peso weight [kg]
42722060	6	20	0,004
42722100	10	30	0,019



Magnete permanente in lega alnico
Permanent magnet in alnico alloy

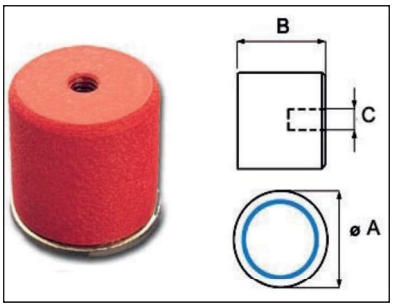
Art. 42725 GnuBo

ART. 42725
Dati tecnici / Technical data

cod. code	A [mm]	B [mm]	C [mm]	forza force [kg]	peso weight [kg]
42725127	12,7	15,8	M 4	**2**	0,013
42725175	17,5	15,8	M 6	**4**	0,028
42725206	20,6	19	M 6	**5,5**	0,047
42725270	27	25,4	M 6	**10**	0,1
42725350	35	20	M 6	**12**	0,14
42725450	45	30	M 8	**40**	0,34
42725500	50	40	M 8	**50**	0,58

Descrizione:
Magnete permanente in lega alnico schermato con anello in ottone.
La schermatura permette di mantenere inalterate le sue caratteristiche anche se inserito in componenti ferrosi.
Resistenza al calore fino a 450°C.

Permanent magnet in alnico alloy shielded with a brass ring.
The shielding allows to mantein its characteristics even when inserted in ferrous components.
Heat resistance to 450°C.



Magnete permanente in lega alnico
Permanent magnet in alnico alloy

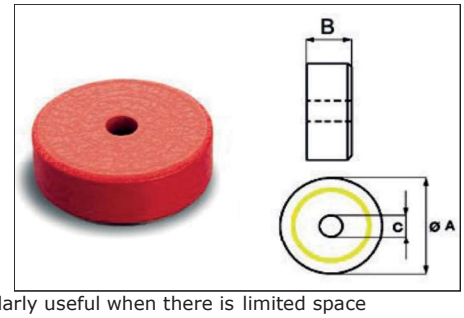
Art. 42728 GnuBo

Descrizione:
Magnete permanente in lega alnico schermato con anello in ottone.
La schermatura permette di mantenere inalterate le sue caratteristiche anche se inserito in componenti ferrosi. Inoltre le dimensioni ridotte, lo rende particolarmente utile in spazi di utilizzo molto limitati. Resistenza al calore fino a 450°C.

ART. 42728
Dati tecnici / Technical data

cod. code	A [mm]	B [mm]	C [mm]	forza force [kg]	peso weight [kg]
42728080	19	8	M 4	**2, 5**	0,014

Permanent magnet in alnico alloy shielded with a brass ring. The shielding allows to mantein its characteristics even when inserted in ferrous components. Thanks to its small sizes, it is particularly useful when there is limited space available. Heat resistance to 450°C.



Apparecchiat.magnetiche - Magneti permanenti - Apparecchiat. elettriche

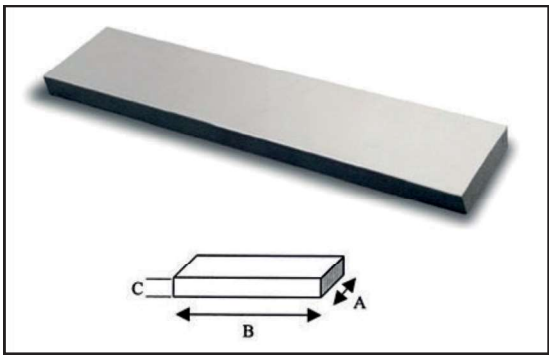
Magnete permanente in plastoferrite
Permanent magnet in plastoferrite

Art. 42732 GnuBo

Descrizione:
Magnete permanente in plastoferrite: una composizione di gomma magnetica molto malleabile e modificabile nelle sue dimensioni.
A x B x C = mm 30 x 120 x 6.

Permanent magnet in plastoferrite: a magnetic rubber composition very malleable and modifiable in its dimensions.
A x B x C = mm 30 x 120 x 6.

Cod. 42732300



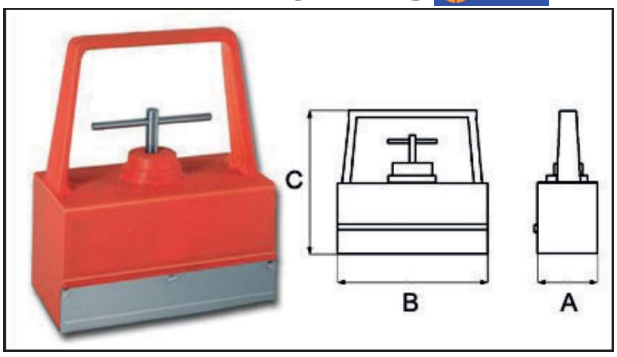
Aggraffatore magnetico
Ricovery magnet

Art. 42743 GnuBo

Descrizione:
Aggraffatore magnetico ideale per raccogliere materiali ferrosi (chiodi, trucioli, rondelle etc.). Forza di strappo Kg 30. Quantità di ferraglia Kg 1.
Dimensioni: A x B x C = mm 100 x 175 x 210.

Ricovery magnet for collecting and separating ferrous items (nails, swarf, washers, etc.). Tearing power Kg 30. Scrap-iron quantity Kg 1.
Dimensions: A x B x C = mm 100 x 175 x 210.

Cod. 42743300



Apparecchiature magnetiche - Apparecchiature elettriche

Demagnetizzatore da banco
Bench demagnetizer

Art. 42762 GnuBo

Descrizione:
Demagnetizzatore da banco per la smagnetizzazione di piccoli oggetti di metallo con residui magnetici dovuti a lavorazioni su piani magnetici.
Dimensioni: base mm 200 x 170, altezza mm 70.
Potenza 150 W, voltaggio 220 V.

Bench demagnetizer for demagnetizing little metallic pieces with magnetic residue due to working on magnetic planes.
Dimensions: base mm 200 x 170, height mm 70.
Power 150 W, voltage 220 V.

Cod. 42762200

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REGISTRATI RICHIEDENDO L'ABILITAZIONE ALLA
VISUALIZZAZIONE DEI PREZZI
E DELLE TABELLE SCONTO
E DELLA DISPONIBILITA' IMMEDIATA DI MAGAZZINO!

Penna elettrica per incisione
Electric engraving pen

Art. 42784 GnuBo

ART. 42784100		
CARATTERISTICHE TECNICHE SPECIFICATIONS	UNITA' UNIT	VALORE VALUE
dimensioni dimensions	mm	200x180x110h
dimensioni del piano d'appoggio upper bearing base dimensions	mm	180x120
potenza del motore motor power	W	**100**
voltaggio voltage	V	220
corrente in uscita exit current	A	**62,5**
voltaggio in uscita exit voltage	V	1,6
lunghezza del cavo cable's length	mm	1000
peso weight	Kg	4,2

Descrizione:
Penna elettrica a regolazione elettronica per incidere materiali metallici conduttori ferrosi con una durezza superficiale non elevata (non incide su acciai temprati, al cromo, metallo duro, ecc.).
Il pezzo da marcare va appoggiato sulla base superiore della carcassa permettendo così l'incisione per resistenza elettrica. Una regolazione elettronica permette di ottenere la potenza di incisione desiderata. Isolamento classe F. Pennino in tungsteno.

Electric engraving pen with electronic control for incise or writing on ferrous conductive metals with not high surface hardness (not on hardened steels, chromium steels, hard metals, etc.). Piece to be marked must be leaned on the upper bearing base, allowing in this way the incision by electric resistance. Electronic adjustment allows to obtain the wished incision strength. Insulation class F. Tungsten pen-nib.

Penna elettrica potenziata per incisione
Powered electric engraving pen

Art. 42786 GnuBo

ART. 42786100		
CARATTERISTICHE TECNICHE SPECIFICATIONS	UNITA' UNIT	VALORE VALUE
dimensioni dimensions	mm	200x180x110h
dimensioni del piano d'appoggio upper bearing base dimensions	mm	180x120
potenza del motore motor power	W	**160**
voltaggio voltage	V	220
corrente in uscita exit current	A	**100**
voltaggio in uscita exit voltage	V	1,6
lunghezza del cavo cable's length	mm	1000
peso weight	Kg	5,2

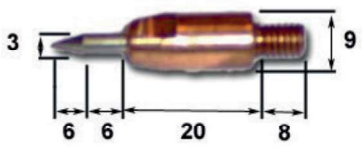
Descrizione:
Penna elettrica potenziata a regolazione elettronica per incidere materiali metallici ferrosi conduttori, grazie alla sua potenza di incisione incide anche materiali ad alta resistenza o con composizione inossidabile.
Il pezzo da marcare va appoggiato sulla base superiore della carcassa permettendo così l'incisione per resistenza elettrica. Una regolazione elettronica permette di ottenere la potenza di incisione desiderata. Isolamento classe F. Pennino in tungsteno.

Powered electric engraving pen with electronic control for incise or writing on ferrous conductive metals, thank to its incision power you can incise materials with high resistance or with stainless steel composition.
Piece to be marked must be leaned on the upper bearing base, allowing in this way the incision by electric resistance. Electronic adjustment allows to obtain the wished incision strength. Insulation class F. Tungsten pen-nib.

**PENNA PNEUMATICA PER INCISIONE?
ABBIAMO ANCHE QUELLA!
COD.98992 e 98995 IN UTENSILI PNEUMATICI**

Pennino di ricambio per penne elettriche
Spare pen-nib for electric engraving pen

Art. 42788 GnuBo



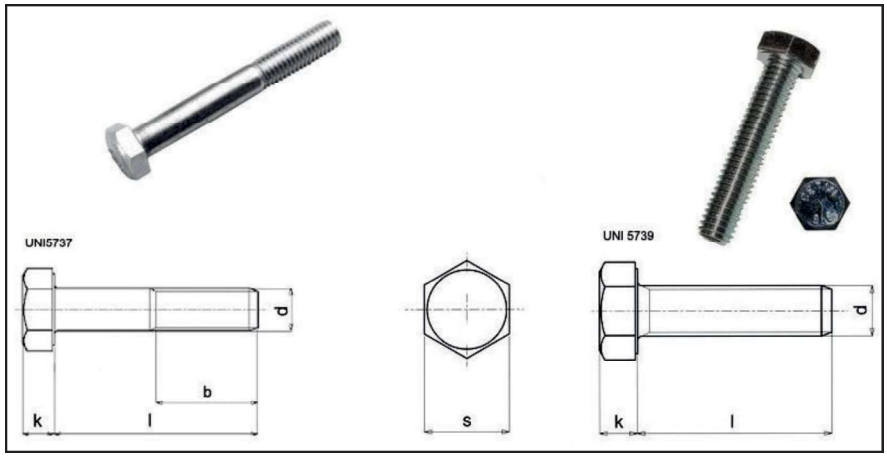
Descrizione:
Pennino di ricambio in tungsteno per penne elettriche.

Spare tungsten pen-nib for electric engraving pen.

Cod. 42788100

Vite TE a testa esagonale 8.8
Hexagonal headed screw TE, 8.8

ART. 43103 GnuBo



Descrizione:
Vite TE a testa esagonale interamente filettata a norma UNI 5739, DIN 933; parzialmente filettata a norma UNI 5737, DIN 931. Classe 8.8, finitura brunita. Filettatura metrica ISO a passo grosso.

Hexagonal headed screw TE, totally threaded according to UNI 5739, DIN 933; partially threaded according to UNI 5737, DIN 931. Class 8.8, burnished finish. ISO metric coarse pitch thread.

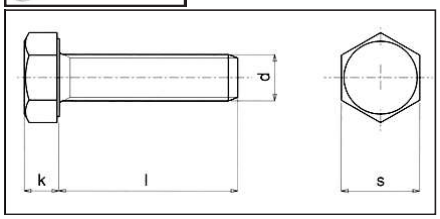
ART. 43103

Dati tecnici / Technical data

cod. code	norma standard	d	l [mm]	s [mm]	k [mm]	cod. code	norma standard	d	l [mm]	s [mm]	k [mm]	cod. code	norma standard	d	l [mm]	s [mm]	k [mm]
43103083	UNI5739	M 4	10	7	2,8	43103255	UNI5739	M 10	30	17	6,4	43103453	UNI5739	M 16	90	24	10
43103087	UNI5739	M 4	25	7	2,8	43103259	UNI5739	M 10	35	17	6,4	43103455	UNI5739	M 16	100	24	10
43103091	UNI5739	M 4	40	7	2,8	43103263	UNI5739	M 10	40	17	6,4	43103457	UNI5737	M 16	110	24	10
43103095	UNI5739	M 4	50	7	2,8	43103267	UNI5739	M 10	45	17	6,4	43103459	UNI5739	M 16	120	24	10
43103099	UNI5739	M 5	10	8	3,5	43103271	UNI5739	M 10	50	17	6,4	43103460	UNI5739	M 16	130	24	10
43103103	UNI5739	M 5	12	8	3,5	43103272	UNI5739	M 10	55	17	6,4	43103461	UNI5739	M 16	140	24	10
43103107	UNI5739	M 5	16	8	3,5	43103275	UNI5739	M 10	60	17	6,4	43103463	UNI5737	M 16	160	24	10
43103111	UNI5739	M 5	20	8	3,5	43103279	UNI5739	M 10	70	17	6,4	43103467	UNI5737	M 16	180	24	10
43103115	UNI5739	M 5	25	8	3,5	43103283	UNI5739	M 10	80	17	6,4	43103471	UNI5739	M 18	30	27	11,5
43103119	UNI5739	M 5	30	8	3,5	43103287	UNI5739	M 10	90	17	6,4	43103475	UNI5739	M 18	40	27	11,5
43103123	UNI5739	M 5	35	8	3,5	43103291	UNI5739	M 10	100	17	6,4	43103479	UNI5739	M 18	50	27	11,5
43103127	UNI5739	M 5	40	8	3,5	43103295	UNI5739	M 10	120	17	6,4	43103483	UNI5739	M 18	60	27	11,5
43103131	UNI5739	M 5	45	8	3,5	43103299	UNI5739	M 10	130	17	6,4	43103487	UNI5739	M 18	70	27	11,5
43103136	UNI5739	M 5	50	8	3,5	43103303	UNI5739	M 10	150	17	6,4	43103491	UNI5739	M 18	80	27	11,5
43103135	UNI5739	M 5	55	8	3,5	43103307	UNI5739	M 12	20	19	7,5	43103495	UNI5739	M 18	100	27	11,5
43103139	UNI5739	M 5	60	8	3,5	43103311	UNI5739	M 12	25	19	7,5	43103499	UNI5737	M 18	120	27	11,5
43103140	UNI5739	M 5	70	8	3,5	43103315	UNI5739	M 12	30	19	7,5	43103503	UNI5737	M 18	160	27	11,5
43103142	UNI5739	M 5	80	8	3,5	43103319	UNI5739	M 12	35	19	7,5	43103507	UNI5739	M 20	30	30	12,5
43103143	UNI5739	M 6	10	10	4	43103323	UNI5739	M 12	40	19	7,5	43103511	UNI5739	M 20	50	30	12,5
43103147	UNI5739	M 6	16	10	4	43103327	UNI5739	M 12	45	19	7,5	43103515	UNI5739	M 20	60	30	12,5
43103151	UNI5739	M 6	20	10	4	43103331	UNI5739	M 12	50	19	7,5	43103519	UNI5739	M 20	80	30	12,5
43103155	UNI5739	M 6	25	10	4	43103333	UNI5739	M 12	55	19	7,5	43103523	UNI5739	M 20	100	30	12,5
43103159	UNI5739	M 6	30	10	4	43103335	UNI5739	M 12	60	19	7,5	43103527	UNI5739	M 20	120	30	12,5
43103163	UNI5739	M 6	35	10	4	43103339	UNI5739	M 12	70	19	7,5	43103531	UNI5739	M 20	140	30	12,5
43103167	UNI5739	M 6	40	10	4	43103343	UNI5739	M 12	80	19	7,5	43103535	UNI5737	M 20	180	30	12,5
43103171	UNI5739	M 6	45	10	4	43103347	UNI5739	M 12	90	19	7,5	43103539	UNI5737	M 20	200	30	12,5
43103175	UNI5739	M 6	50	10	4	43103351	UNI5739	M 12	100	19	7,5	43103543	UNI5739	M 22	60	32	14
43103177	UNI5739	M 6	55	10	4	43103355	UNI5739	M 12	120	19	7,5	43103547	UNI5739	M 22	80	32	14
43103179	UNI5739	M 6	60	10	4	43103359	UNI5739	M 12	140	19	7,5	43103551	UNI5739	M 22	90	32	14
43103181	UNI5739	M 6	70	10	4	43103363	UNI5737	M 12	160	19	7,5	43103555	UNI5739	M 22	100	32	14
43103183	UNI5739	M 6	80	10	4	43103367	UNI5739	M 14	25	22	8,8	43103559	UNI5739	M 22	120	32	14
43103185	UNI5739	M 6	90	10	4	43103371	UNI5739	M 14	30	22	8,8	43103563	UNI5739	M 22	150	32	14
43103186	UNI5739	M 6	100	10	4	43103375	UNI5739	M 14	35	22	8,8	43103567	UNI5737	M 22	180	32	14
43103187	UNI5739	M 8	10	13	5,3	43103379	UNI5739	M 14	40	22	8,8	43103571	UNI5737	M 22	200	32	14
43103191	UNI5739	M 8	16	13	5,3	43103383	UNI5739	M 14	45	22	8,8	43103575	UNI5739	M 24	60	36	15
43103195	UNI5739	M 8	20	13	5,3	43103387	UNI5739	M 14	50	22	8,8	43103579	UNI5739	M 24	80	36	15
43103199	UNI5739	M 8	25	13	5,3	43103391	UNI5739	M 14	60	22	8,8	43103583	UNI5739	M 24	100	36	15
43103203	UNI5739	M 8	30	13	5,3	43103395	UNI5739	M 14	70	22	8,8	43103587	UNI5739	M 24	120	36	15
43103207	UNI5739	M 8	35	13	5,3	43103399	UNI5739	M 14	80	22	8,8	43103591	UNI5739	M 24	150	36	15
43103211	UNI5739	M 8	40	13	5,3	43103403	UNI5739	M 14	90	22	8,8	43103595	UNI5737	M 24	180	36	15
43103215	UNI5739	M 8	45	13	5,3	43103407	UNI5739	M 14	100	22	8,8	43103599	UNI5737	M 24	200	36	15
43103219	UNI5739	M 8	50	13	5,3	43103411	UNI5739	M 14	120	22	8,8	43103615	UNI5739	M 27	60	41	17
43103220	UNI5739	M 8	55	13	5,3	43103415	UNI5737	M 14	140	22	8,8	43103619	UNI5739	M 27	80	41	17
43103223	UNI5739	M 8	60	13	5,3	43103419	UNI5737	M 14	160	22	8,8	43103623	UNI5739	M 27	100	41	17
43103227	UNI5739	M 8	70	13	5,3	43103423	UNI5739	M 16	25	24	10,0	43103627	UNI5739	M 27	120	41	17
43103231	UNI5739	M 8	80	13	5,3	43103427	UNI5739	M 16	30	24	10,0	43103631	UNI5737	M 27	150	41	17
43103235	UNI5739	M 8	100	13	5,3	43103431	UNI5739	M 16	40	24	10,0	43103635	UNI5737	M 27	200	41	17
43103239	UNI5739	M 8	120	13	5,3	43103435	UNI5739	M 16	45	24	10,0	43103651	UNI5739	M 30	60	46	18,7
43103243	UNI5739	M 10	16	17	6,4	43103439	UNI5739	M 16	50	24	10,0	43103655	UNI5739	M 30	80	46	18,7
43103247	UNI5739	M 10	20	17	6,4	43103443	UNI5739	M 16	60	24	10,0	43103659	UNI5739	M 30	100	46	18,7
43103251	UNI5739	M 10	25	17	6,4	43103447	UNI5739	M 16	70	24	10,0	43103663	UNI5739	M 30	120	46	18,7
						43103451	UNI5739	M 16	80	24	10,0	43103667	UNI5739	M 30	140	46	18,7

Vite TE a testa esagonale in acciaio inox
Stainless steel hexagonal headed screw TE

ART. 43109 GnuBo



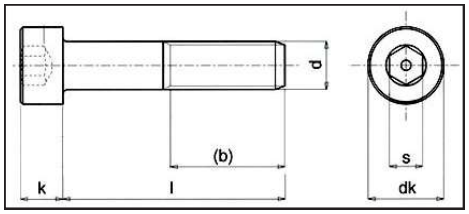
Descrizione:
Vite TE a testa esagonale in acciaio inox A2.
Interamente filettata a norma UNI 5739, DIN 933.
Filettatura metrica ISO a passo grosso.

Stainless steel A2 hexagonal headed screw TE.
Totally threaded according to UNI 5739, DIN 933. ISO metric coarse pitch thread.

ART. 43109									
Dati tecnici / Technical data									
cod. code	d	l [mm]	s [mm]	k [mm]	cod. code	d	l [mm]	s [mm]	k [mm]
43109127	**M 5**	20	8	3,5	43109247	**M 10**	20	17	6,4
43109139	**M 6**	20	10	4	43109259	**M 10**	40	17	6,4
43109151	**M 6**	30	10	4	43109271	**M 10**	50	17	6,4
43109163	**M 6**	40	10	4	43109283	**M 10**	60	17	6,4
43109175	**M 6**	50	10	4	43109295	**M 12**	20	19	7,5
43109187	**M 8**	20	13	5,3	43109307	**M 12**	40	19	7,5
43109199	**M 8**	30	13	5,3	43109319	**M 12**	50	19	7,5
43109211	**M 8**	40	13	5,3	43109331	**M 12**	60	19	7,5
43109223	**M 8**	50	13	5,3	43109343	**M 12**	100	19	7,5
43109235	**M 8**	60	13	5,3					

Vite TCE a testa cilindrica 8.8
Cylindrical socket head screw TCE, 8.8

ART. 43119 GnuBo



ART. 43119						
Dati tecnici / Technical data						
cod. code	d	l [mm]	b [mm]	s [mm]	k [mm]	dk [mm]
43119082	**M 5**	*12*	12	4	5	8,5
43123307	**M 10**	*100*	32	8	10	16

Descrizione:
Vite TCE a testa cilindrica con esagono incassato, parzialmente filettata a norma UNI 5931, DIN 912. Classe 8.8, finitura brunita. Filettatura metrica ISO a passo grosso.

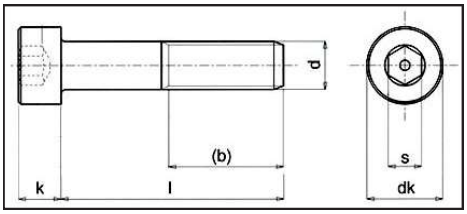
Cylindrical socket head screw TCE, partially threaded according to UNI 5931, DIN 912. Class 8.8, burnished finish. ISO metric coarse pitch thread.

Misure di viti diverse procurabili su richiesta solo a confezioni intere

Different dimensions and shapes screws are available on demand (entire box)

Vite TCE a testa cilindrica 12.9
Cylindrical socket head screw TCE, 12.9

ART. 43123 GnuBo



Descrizione:
Vite TCE a testa cilindrica con esagono incassato, parzialmente filettata a norma UNI 5931, DIN 912. Classe 12.9, finitura brunita. Filettatura metrica ISO a passo grosso.

Cylindrical socket head screw TCE, partially threaded accordino to UNI 5931, DIN 912. Class 12.9, burnished finish. ISO metric coarse pitch thread.

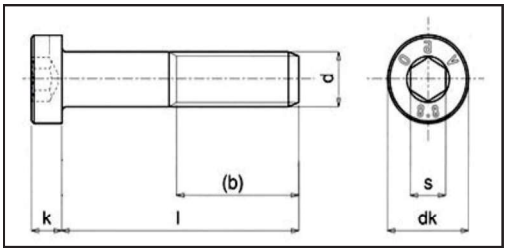
ART. 43123

Dati tecnici / Technical data

cod. code	d	l [mm]	b [mm]	s [mm]	k [mm]	dk [mm]	cod. code	d	l [mm]	b [mm]	s [mm]	k [mm]	dk [mm]	cod. code	d	l [mm]	b [mm]	s [mm]	k [mm]	dk [mm]	cod. code	d	l [mm]	b [mm]	s [mm]	k [mm]	dk [mm]
43123023	M 3	10	10	2,5	3	5,5	43123207	M 8	30	28	6	8	13	43123389	M 12	140	36	10	12	18	43123587	M 18	160	48	14	18	27
43123026	M 3	16	16	2,5	3	5,5	43123210	M 8	35	28	6	8	13	43123392	M 12	150	36	10	12	18	43123590	M 18	180	48	14	18	27
43123029	M 3	20	18	2,5	3	5,5	43123213	M 8	40	28	6	8	13	43123395	M 12	160	36	10	12	18	43123593	M 18	200	48	14	18	27
43123030	M 3	25	18	2,5	3	5,5	43123216	M 8	45	28	6	8	13	43123398	M 12	180	36	10	12	18	43123596	M 18	220	48	14	18	27
43123032	M 3	30	18	2,5	3	5,5	43123219	M 8	50	28	6	8	13	43123401	M 12	200	36	10	12	18	43123603	M 20	40	40	17	20	30
43123035	M 3	35	18	2,5	3	5,5	43123222	M 8	55	28	6	8	13	43123404	M 12	220	36	10	12	18	43123606	M 20	50	50	17	20	30
43123038	M 3	40	18	2,5	3	5,5	43123225	M 8	60	28	6	8	13	43123407	M 12	240	36	10	12	18	43123609	M 20	60	52	17	20	30
43123045	M 4	10	10	3	4	7	43123226	M 8	65	28	6	8	13	43123414	M 14	25	25	12	14	21	43123612	M 20	70	52	17	20	30
43123046	M 4	12	12	3	4	7	43123228	M 8	70	28	6	8	13	43123417	M 14	30	30	12	14	21	43123615	M 20	80	52	17	20	30
43123048	M 4	16	16	3	4	7	43123231	M 8	80	28	6	8	13	43123420	M 14	35	35	12	14	21	43123618	M 20	90	52	17	20	30
43123051	M 4	20	20	3	4	7	43123234	M 8	90	28	6	8	13	43123423	M 14	40	40	12	14	21	43123621	M 20	100	52	17	20	30
43123054	M 4	25	20	3	4	7	43123237	M 8	100	28	6	8	13	43123426	M 14	45	40	12	14	21	43123624	M 20	110	52	17	20	30
43123057	M 4	30	20	3	4	7	43123240	M 8	110	28	6	8	13	43123429	M 14	50	40	12	14	21	43123627	M 20	120	52	17	20	30
43123060	M 4	35	20	3	4	7	43123243	M 8	120	28	6	8	13	43123430	M 14	55	40	12	14	21	43123630	M 20	130	52	17	20	30
43123063	M 4	40	20	3	4	7	43123246	M 8	130	28	6	8	13	43123432	M 14	60	40	12	14	21	43123633	M 20	140	52	17	20	30
43123066	M 4	45	20	3	4	7	43123249	M 8	140	28	6	8	13	43123435	M 14	70	40	12	14	21	43123636	M 20	150	52	17	20	30
43123069	M 4	50	20	3	4	7	43123252	M 8	150	28	6	8	13	43123438	M 14	80	40	12	14	21	43123639	M 20	160	52	17	20	30
43123070	M 4	55	20	3	4	7	43123255	M 8	160	28	6	8	13	43123441	M 14	90	40	12	14	21	43123642	M 20	180	52	17	20	30
43123072	M 4	60	20	3	4	7	43123258	M 8	180	28	6	8	13	43123444	M 14	100	40	12	14	21	43123645	M 20	200	52	17	20	30
43123074	M 4	70	20	3	4	7	43123261	M 8	200	28	6	8	13	43123447	M 14	110	40	12	14	21	43123648	M 20	220	52	17	20	30
43123079	M 5	10	10	4	5	8,5	43123268	M 10	16	16	8	10	16	43123450	M 14	120	40	12	14	21	43123651	M 20	240	52	17	20	30
43123082	M 5	12	12	4	5	8,5	43123271	M 10	20	20	8	10	16	43123453	M 14	130	40	12	14	21	43123654	M 20	260	52	17	20	30
43123085	M 5	16	16	4	5	8,5	43123274	M 10	25	25	8	10	16	43123456	M 14	140	40	12	14	21	43123657	M 20	280	52	17	20	30
43123088	M 5	20	20	4	5	8,5	43123277	M 10	30	30	8	10	16	43123459	M 14	150	40	12	14	21	43123664	M 22	50	50	17	22	33
43123091	M 5	25	22	4	5	8,5	43123280	M 10	35	32	8	10	16	43123462	M 14	160	40	12	14	21	43123667	M 22	60	56	17	22	33
43123094	M 5	30	22	4	5	8,5	43123283	M 10	40	32	8	10	16	43123465	M 14	180	40	12	14	21	43123670	M 22	80	56	17	22	33
43123097	M 5	35	22	4	5	8,5	43123286	M 10	45	32	8	10	16	43123468	M 14	200	40	12	14	21	43123673	M 22	90	56	17	22	33
43123100	M 5	40	22	4	5	8,5	43123289	M 10	50	32	8	10	16	43123471	M 14	220	40	12	14	21	43123676	M 22	100	56	17	22	33
43123103	M 5	45	22	4	5	8,5	43123292	M 10	55	32	8	10	16	43123474	M 14	240	40	12	14	21	43123679	M 22	120	56	17	22	33
43123106	M 5	50	22	4	5	8,5	43123295	M 10	60	32	8	10	16	43123477	M 14	260	40	12	14	21	43123682	M 22	150	56	17	22	33
43123108	M 5	55	22	4	5	8,5	43123296	M 10	65	32	8	10	16	43123480	M 14	280	40	12	14	21	43123685	M 22	160	56	17	22	33
43123109	M 5	60	22	4	5	8,5	43123298	M 10	70	32	8	10	16	43123487	M 16	25	25	14	16	24	43123688	M 22	180	56	17	22	33
43123112	M 5	70	22	4	5	8,5	43123300	M 10	75	32	8	10	16	43123490	M 16	30	30	14	16	24	43123691	M 22	200	56	17	22	33
43123115	M 5	80	22	4	5	8,5	43123301	M 10	80	32	8	10	16	43123493	M 16	35	35	14	16	24	43123698	M 24	50	50	19	24	36
43123116	M 5	90	22	4	5	8,5	43123304	M 10	90	32	8	10	16	43123496	M 16	40	40	14	16	24	43123701	M 24	60	60	19	24	36
43123118	M 5	100	22	4	5	8,5	43123307	M 10	100	32	8	10	16	43123499	M 16	45	44	14	16	24	43123704	M 24	70	60	19	24	36
43123121	M 5	120	22	4	5	8,5	43123310	M 10	110	32	8	10	16	43123502	M 16	50	44	14	16	24	43123707	M 24	80	60	19	24	36
43123128	M 6	10	10	5	6	10	43123313	M 10	120	32	8	10	16	43123505	M 16	60	44	14	16	24	43123710	M 24	90	60	19	24	36
43123131	M 6	12	12	5	6	10	43123316	M 10	130	32	8	10	16	43123508	M 16	70	44	14	16	24	43123713	M 24	100	60	19	24	36
43123134	M 6	16	16	5	6	10	43123319	M 10	140	32	8	10	16	43123511	M 16	80	44	14	16	24	43123716	M 24	120	60	19	24	36
43123137	M 6	20	20	5	6	10	43123322	M 10	150	32	8	10	16	43123514	M 16	90	44	14	16	24	43123719	M 24	140	60	19	24	36
43123140	M 6	25	24	5	6	10	43123325	M 10	160	32	8	10	16	43123517	M 16	100	44	14	16	24	43123722	M 24	160	60	19	24	36
43123143	M 6	30	24	5	6	10	43123328	M 10	180	32	8	10	16	43123520	M 16	110	44	14	16	24	43123725	M 24	180	60	19	24	36
43123146	M 6	35	24	5	6	10	43123331	M 10	200	32	8	10	16	43123523	M 16	120	44	14	16	24	43123728	M 24	200	60	19	24	36
43123149	M 6	40	24	5	6	10	43123334	M 10	220	32	8	10	16	43123526	M 16	130	44	14	16	24	43123731	M 24	220	60	19	24	36
43123152	M 6	45	24	5	6	10	43123341	M 12	20	20	10	12	18	43123529	M 16	140	44	14	16	24	43123734	M 24	240	60	19	24	36
43123155	M 6	50	24	5	6	10	43123344	M 12	25	25	10	12	18	43123532	M 16	150	44	14	16	24	43123737	M 24	260	60	19	24	36
43123156	M 6	55	24	5	6	10	43123347	M 12	30	30	10	12	18	43123535	M 16	160	44	14	16	24	43123740	M 24	280	60	19	24	36
43123158	M 6	60	24	5	6	10	43123350	M 12	35	35	10	12	18	43123538	M 16	180	44	14	16	24	43123743	M 24	300	60	19	24	36
43123161	M 6	70	24	5	6	10	43123353	M 12	40	36	10	12	18	43123541	M 16	200	44	14	16	24	43123753	M 27	60	60	19	27	40
43123164	M 6	80	24	5	6	10	43123356	M 12	45	36	10	12	18	43123544	M 16	220	44	14	16	24	43123756	M 27	70	66	19	27	40
43123165	M 6	85	24	5	6	10	43123359	M 12	50	36	10	12	18	43123547	M 16	240	44	14	16	24	43123759	M 27	80	66	19	27	40
43123167	M 6	90	24	5	6	10	43123362	M 12	55	36	10	12	18	43123550	M 16	260	44	14	16	24	43123762	M 27	100	66	19	27	40
43123170	M 6	100	24	5	6	10	43123365	M 12	60	36	10	12	18	43123553	M 16	280	44	14	16	24	43123765	M 27	120	66	19	27	40
43123173	M 6	110	24	5	6	10	43123367	M 12	65	36	10	12	18	43123560	M 18	40	40	14	18	27	43123770	M 27	200	66	19	27	40
43123176	M 6	120	24	5	6	10	43123368	M 12	70	36	10	12	18	43123561	M 18	45	45	14	18	27	43123772	M 30	100	72	22	30	45
43123179	M 6	130	24	5	6	10	43123369	M 12	75	36	10	12	18	43123563	M 18	50	48	14	18	27	43123775	M 30	120	72	22	30	45
43123182	M 6	140	24	5	6	10	43123371	M 12	80	36	10	12	18	43123566	M 18	60	48	14	18	27	43123778	M 30	150	72	22	30	45
43123185	M 6	150	24	5	6	10	43123374	M 12	90	36	10	12	18	43123569	M 18	70	48	14	18	27	43123781	M 30	160	72	22	30	45
43123192	M 8	10	10	6	8	13	43123377	M 12	100	36	10	12	18	43123572	M 18	80	48	14	18	27	43123784	M 30	180	72	22	30	45
43123195	M 8	12	12	6	8	13	43123380	M 12	110	36	10	12	18	43123575	M 18	90	48	14	18	27	43123787	M 30	200	72	22	30	45
43123198	M 8	16	16	6	8	13	43123383	M 12	120	36	10	12	18	43123578	M 18	100	48	14	18	27	43123790	M 30	240	72	22	30	45
43123201	M 8	20	20	6	8	13	43123386	M 12	130	36	10	12	18	43123581	M 18	120	48	14	18	27	43123793	M 30	280	72	22	30	45
43123204	M 8	25	25	6	8	13								43123584	M 18	140	48	14	18	27							

Vite TCE a testa cilindrica bassa
Cylindrical socket short head screw TCE

ART. 43129 GnuBo



Descrizione:
Vite TCE a testa cilindrica bassa con esagono incassato DIN 7984. Classe 8.8, finitura brunita. Filettatura metrica ISO a passo grosso.

Cylindrical socket short head screw TCE, DIN 7984. Class 8.8, burnished finish. ISO metric coarse pitch thread.

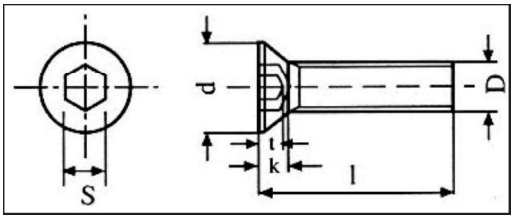
ART. 43129

Dati tecnici / Technical data

cod. code	d	l [mm]	b [mm]	s [mm]	k [mm]	dk [mm]
43129129	M 4	16	14	2,5	2,8	7
43129156	M 5	16	16	3	3,5	8,5
43129183	M 6	10	10	4	4	10
43129210	M 6	16	16	4	4	10
43129233	M 8	12	12	5	5	13
43129235	M 8	16	16	5	5	13
43129237	M 8	20	20	5	5	13
43129264	M 8	30	22	5	5	13
43129289	M 10	16	16	7	6	16
43129291	M 10	20	20	7	6	16

Vite VSP a testa svasata piana
Countersunk socket head screw VSP

ART. 43143 GnuBo



Descrizione:
Vite VSP a testa svasata piana 90° con esagono incassato interamente filettata a norma UNI 5933, DIN 7991. Classe 10.9, finitura brunita. Filettatura metrica ISO a passo grosso.

Countersunk 90° socket head screw VSP, totally threaded according to UNI 5933, DIN 7991. Class 10.9, burnished finish. ISO metric threads coarse pitch.

ART. 43143

Dati tecnici / Technical data

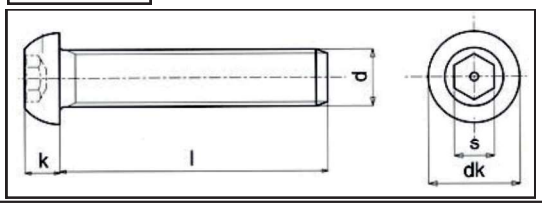
cod. code	D	l [mm]	d [mm]	k [mm]	S [mm]	t [mm]	cod. code	D	l [mm]	d [mm]	k [mm]	S [mm]	t [mm]
43143087	M 3	6	6	2	2	1	43143404	M 8	55	16	4	5	4
43143096	M 3	10	6	2	2	1	43143411	M 8	60	16	4	5	4
43143105	M 3	16	6	2	2	1	43143413	M 8	70	16	4	5	4
43143114	M 3	20	6	2	2	1	43143415	M 8	80	16	4	5	4
43143116	M 3	25	6	2	2	1	43143417	M 8	90	16	4	5	4
43143118	M 3	30	6	2	2	1	43143419	M 8	100	16	4	5	4
43143132	M 4	10	8	2	3	2	43143429	M 10	16	20	6	6	5
43143141	M 4	16	8	2	3	2	43143438	M 10	20	20	6	6	5
43143150	M 4	20	8	2	3	2	43143447	M 10	30	20	6	6	5
43143159	M 4	25	8	2	3	2	43143451	M 10	35	20	6	6	5
43143168	M 4	30	8	2	3	2	43143456	M 10	40	20	6	6	5
43143177	M 4	40	8	2	3	2	43143465	M 10	50	20	6	6	5
43143191	M 5	8	10	3	3	2	43143467	M 10	55	20	6	6	5
43143195	M 5	10	10	3	3	2	43143474	M 10	60	20	6	6	5
43143204	M 5	16	10	3	3	2	43143476	M 10	70	20	6	6	5
43143213	M 5	20	10	3	3	2	43143483	M 10	80	20	6	6	5
43143217	M 5	25	10	3	3	2	43143485	M 10	90	20	6	6	5
43143222	M 5	30	10	3	3	2	43143487	M 10	100	20	6	6	5
43143225	M 5	35	10	3	3	2	43143501	M 12	20	24	7	8	5
43143231	M 5	40	10	3	3	2	43143510	M 12	30	24	7	8	5
43143240	M 5	50	10	3	3	2	43143519	M 12	40	24	7	8	5
43143258	M 6	10	12	3	4	3	43143528	M 12	50	24	7	8	5
43143267	M 6	16	12	3	4	3	43143537	M 12	60	24	7	8	5
43143276	M 6	20	12	3	4	3	43143546	M 12	70	24	7	8	5
43143285	M 6	25	12	3	4	3	43143555	M 12	80	24	7	8	5
43143294	M 6	30	12	3	4	3	43143573	M 14	30	27	7	10	5
43143303	M 6	35	12	3	4	3	43143582	M 14	40	27	7	10	5
43143312	M 6	40	12	3	4	3	43143591	M 14	50	27	7	10	5
43143321	M 6	50	12	3	4	3	43143600	M 14	60	27	7	10	5
43143330	M 6	60	12	3	4	3	43143618	M 14	30	27	7	10	5
43143333	M 6	70	12	3	4	3	43143627	M 16	40	30	8	10	6
43143348	M 8	12	16	4	5	4	43143636	M 16	50	30	8	10	6
43143357	M 8	16	16	4	5	4	43143645	M 16	60	30	8	10	6
43143366	M 8	20	16	4	5	4	43143654	M 16	80	30	8	10	6
43143375	M 8	25	16	4	5	4	43143672	M 20	40	36	9	12	7
43143384	M 8	30	16	4	5	4	43143681	M 20	50	36	9	12	7
43143393	M 8	40	16	4	5	4	43143690	M 20	60	36	9	12	7
43143402	M 8	50	16	4	5	4	43143699	M 20	70	36	9	12	7

TABELLA ESAGONI PER ESAGONI INTERNI A PAGINA 440
INFORMAZIONI TECNICHE

Vite TBE con testa a bottone e esagono incassato
Button socket head screw TBE

Viteria - Viti TBE - Viti a colletto

ART. 43152 GnuBo



ART. 43152

Dati tecnici / Technical data

cod. code	d	l [mm]	s [mm]	k [mm]	dk [mm]
43152083	M 3	20	2	1,6	5,5
43152099	M 4	16	2,5	2,1	7,5
43152115	M 5	16	3	2,7	9,5
43152131	M 6	16	4	3,2	10,5
43152133	M 6	25	4	3,2	10,5
43152140	M 6	40	4	3,2	10,5
43152147	M 8	20	5	4,3	14
43152163	M 8	30	5	4,3	14
43152300	M10	16	6	5,3	18,9

Descrizione:
Vite TBE con testa a bottone e esagono incassato UNI 7380. Classe 10.9, finitura brunita. Filettatura metrica ISO a passo grosso.

Button socket head screw TBE, UNI 7380. Class 10.9, burnished finish. ISO metric threads coarse pitch.

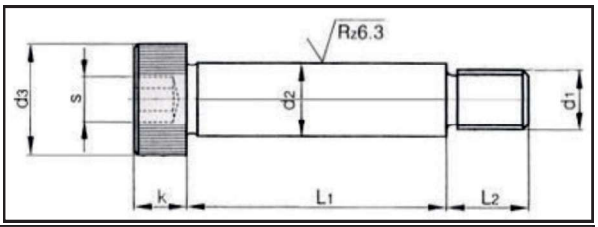
Vite a colletto tipo TCE con gambo rettificato
Shoulder screw TCE type with finished shaft

Viteria - Viti a colletto

ART. 43182 GnuBo

Descrizione:
Vite a colletto tipo TCE a testa cilindrica con gambo rettificato ISO 7379.

Materiale acciaio classe 12.9, finitura brunita. Resistenza alla rottura per trazione 110 - 120 Kg/mm². Limite di elasticità 90 Kg/mm min. Allungamento min. 9%.



Shoulder screw, TCE type with cylindrical head, with finished shaft ISO 7379. Material steel class 12.9, burnished finish. Tensile strength 110 - 120 Kg/mm². Limit of elasticity 90 Kg/mm min. Stretch min. 9%.

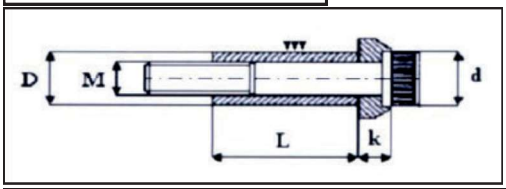
ART. 43182

Dati tecnici / Technical data

cod. code	d1	d2 h8 [mm]	L1 0 + 0,05 [mm]	d3 [mm]	K [mm]	L2 [mm]	s [mm]	cod. code	d1	d2 h8 [mm]	L1 0 + 0,05 [mm]	d3 [mm]	K [mm]	L2 [mm]	s [mm]
43182120	M 5	6	16	13	4,5	9,5	3	43182365	M 8	10	60	16	7	13	5
43182123	M 5	6	20	10	4,5	9,5	3	43182370	M 8	10	65	16	7	13	5
43182130	M 5	6	25	10	4,5	9,5	3	43182378	M 8	10	70	16	7	13	5
43182136	M 5	6	30	10	4,5	9,5	3	43182391	M 8	10	80	16	7	13	5
43182142	M 5	6	35	10	4,5	9,5	3	43182397	M 8	10	90	16	7	13	5
43182149	M 5	6	40	10	4,5	9,5	3	43182404	M 8	10	100	16	7	13	5
43182155	M 5	6	45	10	4,5	9,5	3	43182406	M 8	10	110	16	7	13	5
43182162	M 5	6	50	10	4,5	9,5	3	43182417	M 8	10	120	16	7	13	5
43182168	M 5	6	55	10	4,5	9,5	3	43182420	M 10	12	25	18	9	16	6
43182175	M 5	6	60	10	4,5	9,5	3	43182422	M 10	12	30	18	9	16	6
43182180	M 5	6	65	10	4,5	9,5	3	43182424	M 10	12	35	18	9	16	6
43182185	M 5	6	70	10	4,5	9,5	3	43182426	M 10	12	40	18	9	16	6
43182187	M 6	8	10	13	5,5	11	4	43182428	M 10	12	45	18	9	16	6
43182192	M 6	8	16	13	5,5	11	4	43182430	M 10	12	50	18	9	16	6
43182205	M 6	8	20	13	5,5	11	4	43182432	M 10	12	55	18	9	16	6
43182212	M 6	8	25	13	5,5	11	4	43182434	M 10	12	60	18	9	16	6
43182218	M 6	8	30	13	5,5	11	4	43182440	M 10	12	65	18	9	16	6
43182224	M 6	8	35	13	5,5	11	4	43182443	M 10	12	70	18	9	16	6
43182231	M 6	8	40	13	5,5	11	4	43182451	M 10	12	80	18	9	16	6
43182237	M 6	8	45	13	5,5	11	4	43182459	M 10	12	90	18	9	16	6
43182244	M 6	8	50	13	5,5	11	4	43182468	M 10	12	100	18	9	16	6
43182250	M 6	8	55	13	5,5	11	4	43182475	M 10	12	110	18	9	16	6
43182257	M 6	8	60	13	5,5	11	4	43182485	M 10	12	120	18	9	16	6
43182263	M 6	8	65	13	5,5	11	4	43182490	M 12	16	30	24	11	18	8
43182270	M 6	8	70	13	5,5	11	4	43182492	M 12	16	40	24	11	18	8
43182283	M 6	8	80	13	5,5	11	4	43182493	M 12	16	45	24	11	18	8
43182290	M 6	8	90	13	5,5	11	4	43182494	M 12	16	50	24	11	18	8
43182296	M 6	8	100	13	5,5	11	4	43182495	M 12	16	55	24	11	18	8
43182310	M 8	10	16	16	7,0	13	5	43182496	M 12	16	60	24	11	18	8
43182313	M 8	10	20	16	7	13	5	43182497	M 12	16	65	24	11	18	8
43182320	M 8	10	25	16	7	13	5	43182498	M 12	16	70	24	11	18	8
43182326	M 8	10	30	16	7	13	5	43182499	M 12	16	80	24	11	18	8
43182332	M 8	10	35	16	7	13	5	43182500	M 12	16	90	24	11	18	8
43182339	M 8	10	40	16	7	13	5	43182502	M 12	16	100	24	11	18	8
43182345	M 8	10	45	16	7	13	5	43182519	M 12	16	110	24	11	18	8
43182352	M 8	10	50	16	7	13	5	43182536	M 12	16	120	24	11	18	8
43182358	M 8	10	55	16	7	13	5	43182540	M 12	16	140	24	11	18	8

Vite a colletto tipo TCE con distanziale rettificato
Shoulder screw TCE type with ground spacer

ART. 43185 GnuBo



Descrizione:
Vite a colletto tipo TCE a testa cilindrica con distanziale rettificato UNI 5931.
Materiale: vite in acciaio classe 12.9, rondella in acciaio temprato e brunito con resistenza a trazione 100 Kg/mm², distanziale in acciaio temprato e rettificato con resistenza a trazione 120 -140 Kg/mm².

Shoulder screw, TCE type with cylindrical head, with ground spacer UNI 5931.
Material: screw made in steel class ISO 12.9, washer made in hardened and burnished steel with tensile strength 100 Kg/mm², spacer made in hardened and ground steel with tensile strength 120 - 140 Kg/mm².

ART. 43185

Dati tecnici / Technical data

cod. code	M	L ± 0,05 [mm]	k [mm]	d [mm]	D h7 [mm]	cod. code	M	L ± 0,05 [mm]	k [mm]	d [mm]	D h7 [mm]	cod. code	M	L ± 0,05 [mm]	k [mm]	d [mm]	D h7 [mm]
43185123	M 6	20	6	15	10	43185271	M 8	80	7	19	13	43185423	M 12	50	9	27	18
43185132	M 6	30	6	15	10	43185280	M 8	100	7	19	13	43185432	M 12	55	9	27	18
43185141	M 6	35	6	15	10	43185290	M 10	20	8	23	15	43185441	M 12	60	9	27	18
43185150	M 6	40	6	15	10	43185293	M 10	30	8	23	15	43185450	M 12	70	9	27	18
43185159	M 6	45	6	15	10	43185302	M 10	35	8	23	15	43185459	M 12	80	9	27	18
43185168	M 6	50	6	15	10	43185311	M 10	40	8	23	15	43185468	M 12	90	9	27	18
43185177	M 6	55	6	15	10	43185320	M 10	45	8	23	15	43185477	M 12	100	9	27	18
43185186	M 6	60	6	15	10	43185329	M 10	50	8	23	15	43185486	M 12	110	9	27	18
43185199	M 8	30	6,5	19	12,5	43185338	M 10	55	7,5	23	15,0	43185495	M 12	120	9,0	27	17,5
43185208	M 8	35	6,5	19	12,5	43185347	M 10	60	7,5	23	15,0	43185508	M 16	50	11,0	34	23,0
43185217	M 8	40	6,5	19	12,5	43185356	M 10	70	7,5	23	15,0	43185517	M 16	60	11,0	34	23,0
43185226	M 8	45	6,5	19	12,5	43185365	M 10	80	7,5	23	15,0	43185526	M 16	70	11,0	34	23,0
43185235	M 8	50	6,5	19	12,5	43185374	M 10	90	7,5	23	15,0	43185535	M 16	80	11,0	34	23,0
43185244	M 8	55	6,5	19	12,5	43185383	M 10	100	7,5	23	15,0	43185544	M 16	90	11,0	34	23,0
43185253	M 8	60	6,5	19	12,5	43185392	M 10	120	7,5	23	15,0	43185553	M 16	100	11,0	34	23,0
43185257	M 8	65	6,5	19	12,5	43185405	M 12	40	9,0	27	17,5	43185562	M 16	110	11,0	34	23,0
43185262	M 8	70	6,5	19	12,5	43185414	M 12	45	9,0	27	17,5	43185571	M 16	120	11,0	34	23,0

Dado esagonale
Hexagonal nut

ART. 43302 GnuBo

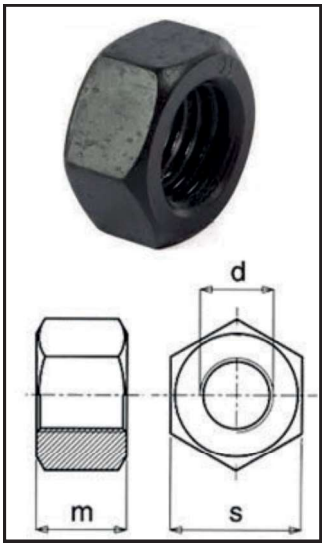
Descrizione:
Dado esagonale alto UNI 5587, classe 6S o 8G, finitura brunita.
Filettatura metrica ISO a passo grosso.

High hexagonal nut UNI 5587, class 6S or 8G, burnished finish.
ISO metric coarse pitch thread.

ART. 43302

Dati tecnici / Technical data

cod. code	d	s [mm]	m [mm]	classe class
43302030	M 3	5,5	3	6S
43302040	M 4	7	4	6S
43302050	M 5	8	5	6S
43302060	M 6	10	6	8G
43302080	M 8	13	8	8G
43302100	M 10	17	10	8G
43302120	M 12	19	12	8G
43302140	M 14	22	14	8G
43302160	M 16	24	16	8G
43302180	M 18	27	18	8G
43302200	M 20	30	20	8G
43302220	M 22	32	22	8G
43302240	M 24	36	24	8G
43302270	M 27	41	27	8G
43302300	M 30	46	30	8G
43302360	M 36	55	36	8G

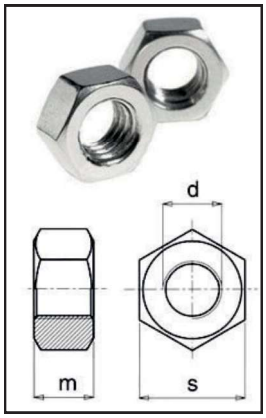


Dadi e viti senza testa - Dadi esagonali – Dadi autobloccanti - Dadi ad alette

Dado esagonale in acciaio inox
Inox steel hexagonal nut

Descrizione:
Dado esagonale normale UNI 5588 in acciaio inox A2, classe 6S. Filettatura metrica ISO a passo grosso.

Normal hexagonal nut UNI 5588 made of inox steel A2, class 6S. ISO metric coarse pitch thread.



ART. 43305 GnuBo

ART. 43305			
Dati tecnici / Technical data			
cod. code	d	s [mm]	m [mm]
43305050	**M 5**	8	4
43305060	**M 6**	10	5
43305080	**M 8**	13	6,5
43305100	**M 10**	17	8
43305120	**M 12**	19	10
43305160	**M 16**	24	13

Dadi e viti senza testa – Dadi autobloccanti

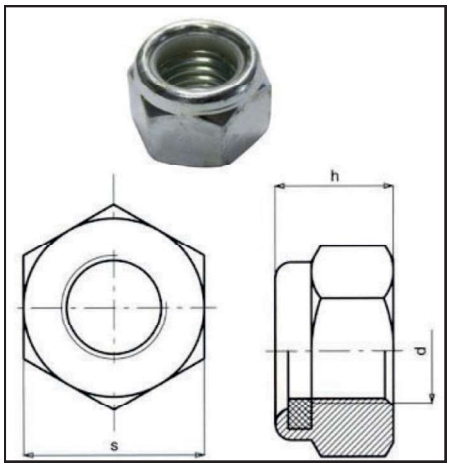
Dado autobloccante zincato
Zinc plated self-locking nut

Descrizione:
Dado autobloccante alto ISO 7040, UNI 7473, DIN 982, classe 6S. Zincocromato con anello in nylon incorporato. Filettatura metrica ISO a passo grosso.

High self-locking nut ISO 7040, UNI 7473, DIN 982, class 6S. Zinc-chromium plated with nylon inner ring.
ISO metric coarse pitch thread.

ART. 43313			
Dati tecnici / Technical data			
cod. code	d	s [mm]	h [mm]
43313040	**M 4**	7	6
43313050	**M 5**	8	6,3
43313060	**M 6**	10	8
43313080	**M 8**	13	9,5
43313100	**M 10**	17	11,5
43313120	**M 12**	19	14
43313140	**M 14**	22	16
43313160	**M 16**	24	18
43313180	**M 18**	27	20
43313200	**M 20**	30	22
43313220	**M 22**	32	25
43313240	**M 24**	36	28
43313270	**M 27**	41	30,8
43313300	**M 30**	46	33,2

ART. 43313 GnuBo



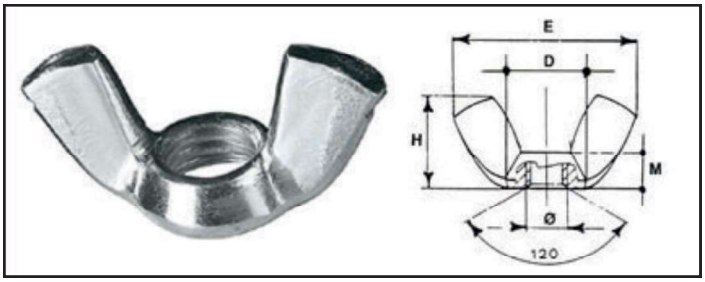
Dadi e viti senza testa – Dadi ad alette

Dado ad alette in acciaio inox
Inox steel wing-nut

Descrizione:
Dado ad alette UNI 5448-71 in acciaio inox AISI 304. Filettatura metrica ISO a passo grosso.

Wing-nut UNI 5448-71 made of inox steel AISI 304. ISO metric coarse pitch thread.

ART. 43332 GnuBo



ART. 43332						
Dati tecnici / Technical data						
cod. code	filetto thread	D [mm]	E [mm]	H [mm]	M [mm]	peso weight [kg]
43332040	**M 4**	8	17,6	8,6	2,9	0,002
43332050	**M 5**	10,3	22,5	11	4,1	0,003
43332060	**M 6**	12,7	27,8	13,6	5,1	0,010
43332080	**M 8**	13,8	30	14,8	5,6	0,010
43332100	**M 10**	16,5	36,2	17,7	6,8	0,010
43332120	**M 12**	22,5	49,4	24,1	9	0,030

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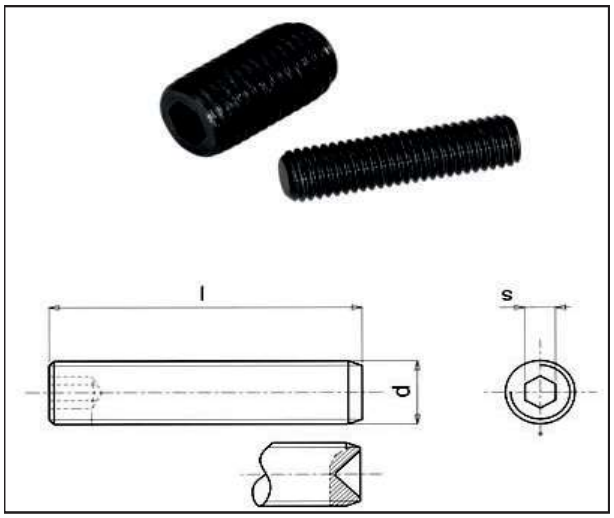
Vite senza testa con esagono incassato ed estremità piana
Flat headed socket screw

ART. 43352 GnuBo

ART. 43352							
Dati tecnici / Technical data							
cod. code	d	s [mm]	l [mm]	cod. code	d	s [mm]	l [mm]
43352078	M 3	1,5	6	43352403	M 10	5	50
43352083	M 3	1,5	10	43352409	M 10	5	60
43352089	M 3	1,5	16	43352415	M 10	5	80
43352095	M 3	1,5	20	43352421	M 10	5	100
43352101	M 3	1,5	30	43352437	M 12	6	10
43352117	M 4	2	5	43352443	M 12	6	16
43352123	M 4	2	10	43352449	M 12	6	20
43352129	M 4	2	14	43352455	M 12	6	25
43352135	M 4	2	16	43352461	M 12	6	30
43352141	M 4	2	20	43352467	M 12	6	40
43352147	M 4	2	30	43352473	M 12	6	50
43352153	M 4	2	35	43352479	M 12	6	60
43352165	M 5	2,5	5	43352485	M 12	6	80
43352169	M 5	2,5	6	43352491	M 12	6	90
43352175	M 5	2,5	10	43352497	M 12	6	100
43352181	M 5	2,5	16	43352513	M 14	6	12
43352187	M 5	2,5	20	43352519	M 14	6	16
43352193	M 5	2,5	30	43352525	M 14	6	20
43352199	M 5	2,5	40	43352531	M 14	6	30
43352215	M 6	3	6	43352537	M 14	6	40
43352221	M 6	3	10	43352543	M 14	6	50
43352227	M 6	3	16	43352549	M 14	6	60
43352233	M 6	3	20	43352555	M 14	6	70
43352239	M 6	3	30	43352561	M 14	6	80
43352245	M 6	3	40	43352577	M 16	8	16
43352249	M 6	3	50	43352583	M 16	8	20
43352251	M 6	3	60	43352589	M 16	8	25
43352255	M 6	3	70	43352595	M 16	8	30
43352267	M 8	4	8	43352601	M 16	8	40
43352273	M 8	4	10	43352607	M 16	8	50
43352279	M 8	4	16	43352613	M 16	8	60
43352285	M 8	4	20	43352619	M 16	8	80
43352291	M 8	4	25	43352635	M 18	8	20
43352297	M 8	4	30	43352641	M 18	8	30
43352303	M 8	4	35	43352647	M 18	8	40
43352309	M 8	4	40	43352653	M 18	8	50
43352315	M 8	4	50	43352659	M 18	8	60
43352321	M 8	4	60	43352675	M 20	10	20
43352327	M 8	4	70	43352681	M 20	10	30
43352333	M 8	4	80	43352687	M 20	10	40
43352339	M 8	4	100	43352693	M 20	10	50
43352355	M 10	5	10	43352699	M 20	10	60
43352361	M 10	5	12	43352705	M 20	10	80
43352367	M 10	5	16	43352721	M 22	12	30
43352373	M 10	5	20	43352737	M 24	12	25
43352379	M 10	5	25	43352743	M 24	12	30
43352385	M 10	5	30	43352749	M 24	12	50
43352391	M 10	5	40	43352755	M 24	12	60
43352397	M 10	5	45	43352761	M 24	12	80



Descrizione:
Vite senza testa con esagono incassato ed estremità piana UNI 5923, DIN 913. Classe 14.9, finitura brunita. Filettatura metrica ISO a passo grosso.

Flat headed socket screw UNI 5923, DIN 913. Class 14.9, burnished finish. ISO metric coarse pitch thread.

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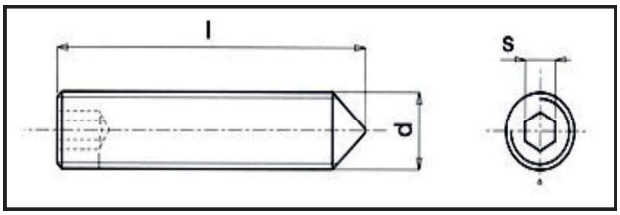
Vite senza testa con esagono incassato ed estremità conica
Conical headed socket screw

ART. 43354 GnuBo

ART. 43354			
Dati tecnici / Technical data			
cod. code	d	s [mm]	l [mm]
43354127	M 5	2,5	10
43354183	M 6	3	10
43354195	M 6	3	25
43354239	M 8	4	10
43354245	M 8	4	16
43354295	M 10	5	10
43354310	M 10	5	25

Descrizione:
Vite senza testa con esagono incassato ed estremità conica UNI 5927, DIN 914. Class 14.9, fintura brunita. Filettatura metrica ISO a passo grosso.

Conical headed socket screw UNI 5927, DIN 914. Class 14.9, burnished finish. ISO metric coarse pitch thread.



Tappo maschio cilindrico con esagono incassato
Cylindrical socket male plug

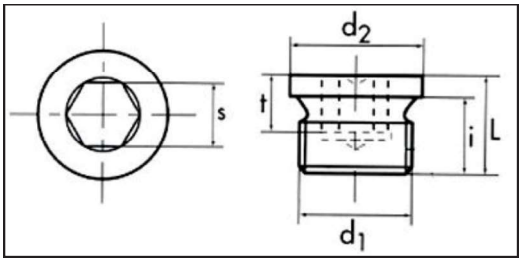
ART. 43384 GnuBo

Descrizione:
Tappo maschio cilindrico con esagono incassato DIN 908 in acciaio 5.8, finitura brunita. Filettatura GAS cilindrica.

Cylindrical socket male plug (hexagon embedded) DIN 908, made in steel 5.8, burnished finish. Cylindrical GAS thread.

ART. 43384
Dati tecnici / Technical data

cod. code	d_1	d_2 [mm]	i [mm]	L [mm]	s [mm]	t [mm]
43384050	**G 1/8"**	14	8	11	5	5
43384100	**G 1/4"**	18	12	15	6	7
43384150	**G 3/8"**	22	12	15	8	7,5
43384200	**G 1/2"**	26	14	18	10	7,5



Tappo maschio conico con esagono incassato
Taper socket male plug

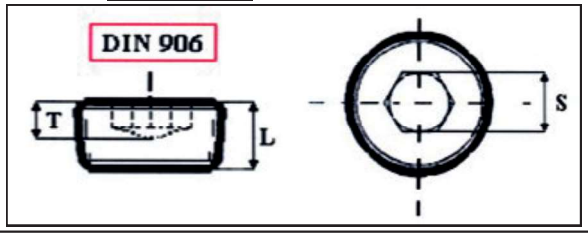
ART. 43387 GnuBo

Descrizione:
Tappo maschio conico con esagono incassato DIN 906 in acciaio 5.8, finitura brunita. Filettatura GAS conica.

Taper socket male plug DIN 906 made in 5.8 steel, burnished finish. Conical GAS thread.

ART. 43387
Dati tecnici / Technical data

cod. code	D	L [mm]	S [mm]	T
43387050	**R 1/8"**	8	5	4
43387100	**R 1/4"**	10	7	5
43387150	**R 3/8"**	10	8	5
43387200	**R 1/2"**	10	10	5



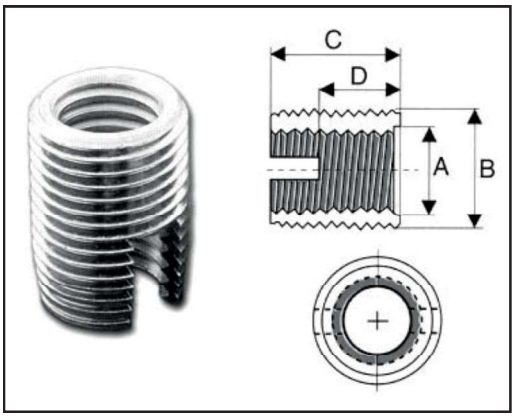
Boccole e filetti riportati - Boccole autofilettanti

Boccola autofilettante
Self-threading bush

ART. 43503 GnuBo

ART. 43503
Dati tecnici / Technical data

cod. code	A [mm]	B [mm]	C [mm]	D [mm]	profondità min. del foro hole's min. depth [mm]	diametro foro hole's diameter materiali teneri soft materials [mm]	diametro foro hole's diameter materiali duri hard materials [mm]
43503040	**M 4x0,70**	6,5x0,75	8	4,3	10	5,8 - 5,9	6,0 - 6,1
43503050	**M 5x0,80**	8,0x1,00	10	5,3	13	7,1 - 7,2	7,3 - 7,5
43503060	**M 6x1,00**	10,0x1,50	14	7,3	17	8,6 - 8,8	8,9 - 9,2
43503080	**M 8x1,25**	12,0x1,50	15	8	18	10,6 - 10,8	10,9 - 11,2
43503100	**M 10x1,50**	14,0x1,50	18	10,3	22	12,6 - 12,8	12,9 - 13,2
43503120	**M 12x1,75**	16,0x1,50	22	12	26	14,6 - 14,8	14,9 - 15,2
43503140	**M 14x2,00**	18,0x1,50	24	14	28	16,6 -16,8	16,9 - 17,2
43503160	**M 16x2,00**	20,0x1,50	22	12	27	18,6 - 18,8	18,9 - 19,2



Descrizione:
Boccola autofilettante con filettatura interna ed esterna per leghe leggere, ghisa, ottone e materie plastiche. Materiale acciaio cementato bicromato grigio. Filettatura metrica ISO a passo grosso. Da installarsi con gli appositi drivers.

Self-threading bush with internal and external threading, for light alloys, cast iron, brass and plastics. Made of hardened chromium-plated grey steel. ISO metric coarse pitch thread. You have to install it with its drivers.

Boccole e filetti riportati - Drivers per boccole

Driver manuale per boccole autofilettanti
Manual thread inserts extracting driver

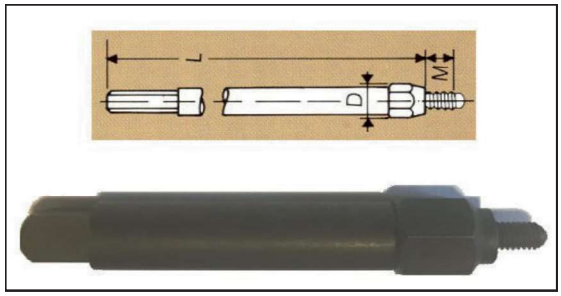
ART. 43505 GnuBo

Descrizione:
Driver manuale per l'installazione delle boccole autofilettanti.

Manual thread inserts extracting driver.

ART. 43505
Dati tecnici / Technical data

cod. code	M	D [mm]	L [mm]
43505040	**M 4**	9	63
43505050	**M 5**	11	70
43505060	**M 6**	14	70
43505080	**M 8**	16	78
43505100	**M 10**	20	95
43505120	**M 12**	22	95



Filetti riportati
Screw-sert threaded inserts

ART. 43523 GnuBo

Descrizione:
Filetti riportati per rinforzare e proteggere le filettature in tutti i metalli, per riparare le filettature deteriorate, per filettature autobloccanti.
Materiale: acciaio inossidabile austenitico al cromo - nichel.
Filettatura metrica ISO a passo grosso. Lunghezza di maschiatura 1,5 volte il diametro.

Screw-sert threaded inserts to reinforce and protect the threads in every metal, to repair deteriorated threads, for self-locking threads.
Material austenitic chromium-nickel inox steel.
ISO metric coarse pitch thread. Tapping length 1,5 x diameter.

ART. 43523

Dati tecnici / Technical data

cod. code	filetto thread	lunghezza di maschiatura tapping length [mm]
43523042	**M 4x0,70**	1,5d
43523050	**M 5x0,80**	1,5d
43523060	**M 6x1,00**	1,5d
43523080	**M 8x1,25**	1,5d
43523105	**M 10x1,50**	1,5d

Minikit di filetti riportati
Screw-sert threaded inserts kit

ART. 43527 GnuBo

Descrizione:
Minikit di filetti riportati per la riparazione di filettature.
La confezione contiene: 1 maschio, 1 mandrino di posa, 10 filetti riportati, 1 troncatore. Filettatura metrica ISO a passo grosso.

Screw-sert threaded inserts kit for threads repairing.
The package includes: 1 taper, 1 laying chuck, 10 screw-sert threaded inserts, 1 parting tool. ISO metric coarse pitch thread.

ART. 43527

Dati tecnici / Technical data

cod. code	filetto thread [mm]	lunghezza di maschiatura tapping length [mm]
43527040	**M 4x0,70**	6
43527050	**M 5x0,80**	7,5
43527060	**M 6x1,00**	9
43527080	**M 8x1,25**	12
43527100	**M 10x1,50**	15
43527120	**M 12x1,75**	18

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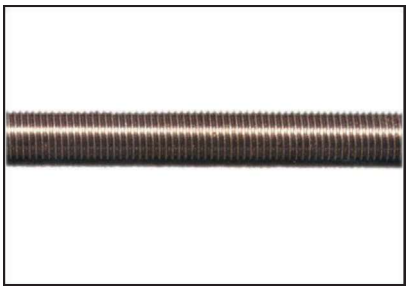
Barra grezza in acciaio, filettatatura M
M threaded steel bar

Barre filettate in acciaio
ART. 43707 GnuBo

ART. 43707 Dati tecnici Technical data			
cod. code	filetto thread	cod. code	filetto thread
43707030	M 3	43707160	M 16
43707040	M 4	43707180	M 18
43707050	M 5	43707200	M 20
43707060	M 6	43707220	M 22
43707080	M 8	43707240	M 24
43707100	M 10	43707270	M 27
43707120	M 12	43707300	M 30
43707140	M 14	43707360	M 36

Descrizione:
Barra grezza in acciaio FE 350, DIN 975. Filettatura metrica ISO a passo grosso ottenuta per rullatura. Lunghezza m 1.

Threaded bar made in FE 350 steel, DIN 975. ISO metric coarse pitch rough thread. Length m 1.



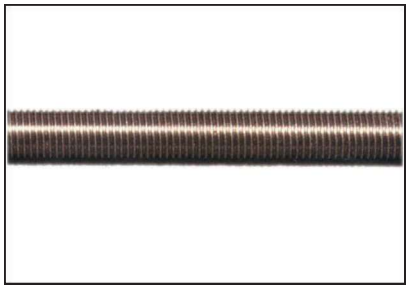
Barra grezza in acciaio, filettatura W
W threaded steel bar

ART. 43713 GnuBo

ART. 43713 Dati tecnici Technical data	
cod. code	filetto thread
43713150	W 1/2"
43713200	W 5/8"
43713250	W 3/4"
43713300	W 7/8"
43713350	W 1"

Descrizione:
Barra grezza in acciaio FE 360, DIN 975. Filettatura Whitworth ottenuta per rullatura. Lunghezza m 1.

Threaded bar made in FE 350 steel, DIN 975. Withworth rough thread. Length m 1.



Barra in acciaio temprato, filettatatura M
M threaded hardened steel bar

Barre filettate in acciaio temprato
ART. 43734 GnuBo

ART. 43734 Dati tecnici Technical data	
cod. code	filetto thread
43734060	M 6
43734080	M 8
43734100	M 10
43734120	M 12
43734140	M 14
43734160	M 16
43734180	M 18
43734200	M 20
43734220	M 22
43734240	M 24

Descrizione:
Barra in acciaio temprato UNI 42 Cr Mo 4, ASTM A193-B7. Classe 10.9 Filettatura metrica ISO a passo grosso ottenuta per rullatura. Lunghezza m 1.

Threaded bar made in UNI 42 Cr Mo 4 hardened steel, ASTM A193-B7. Class 10.9. ISO metric coarse pitch rough thread. Length m 1.

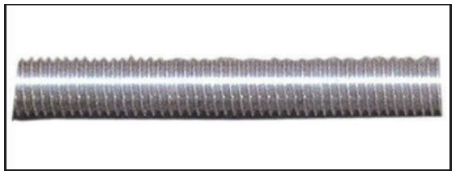
Barra in acciaio inox, filettatura M
M threaded inox steel bar

Barre filettate in acciaio inox
ART. 43740 GnuBo

ART. 43740 Dati tecnici Technical data	
cod. code	filetto thread
43740060	M 6
43740080	M 8
43740100	M 10
43740120	M 12
43740140	M 14
43740160	M 16
43740180	M 18
43740200	M 20
43740220	M 22
43740240	M 24

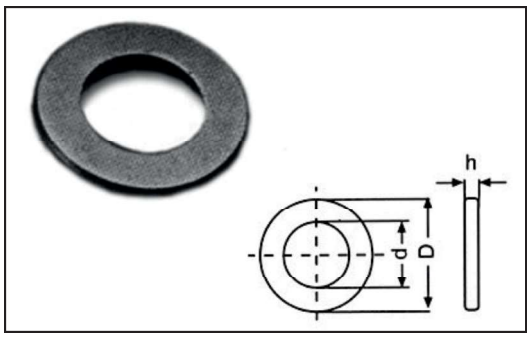
Descrizione:
Barra in acciaio inox AISI 304. Filettatura metrica ISO a passo grosso ottenuta per rullatura. Lunghezza m 1.

Threaded bar made in inox steel AISI 304, DIN 975. ISO metric coarse pitch rough thread. Length m 1.



Rondella di appoggio piana
Flat supporting washer

ART.45017



Descrizione:
Rondella di appoggio piana UNI 6592 TE, DIN 125.
Materiale acciaio C45, finitura brunita.

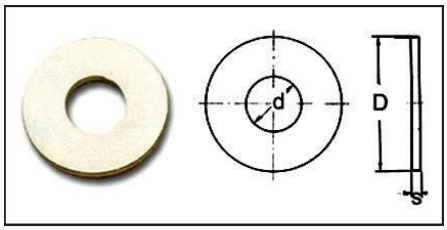
Flat supporting washer UNI 6592 TE, DIN 125.
Material steel C45, burnished finish.

ART. 45017
Dati tecnici / Technical data

cod. code	filetto vite screw's thread	d [mm]	D [mm]	h [mm]
45017030	M 3	3,2	7	0,5
45017040	M 4	4,3	9	0,8
45017050	M 5	5,3	10	1
45017060	M 6	6,4	12	1,5
45017080	M 8	8,4	16	1,5
45017100	M 10	10,5	20	2
45017120	M 12	13	24	2,5
45017140	M 14	15	28	2,5
45017160	M 16	17	30	3
45017180	M 18	19	34	3
45017200	M 20	21	37	3
45017220	M 22	23	39	3
45017240	M 24	25	44	4
45017270	M 27	28	50	4
45017300	M 30	31	56	4
45017360	M 36	37	66	5

Rondella di appoggio piana a fascia larga
Large band supporting washer

ART.45025



Descrizione:
Rondella piana a fascia larga 3xd, UNI 6593, DIN 9021 per appoggio su materiali teneri.
Materiale acciaio, finitura zincata.

Large band washer 3xd, UNI 6593, DIN 9021 for supporting on soft metals.
Material steel, zinc plated finish.

ART. 45025
Dati tecnici / Technical data

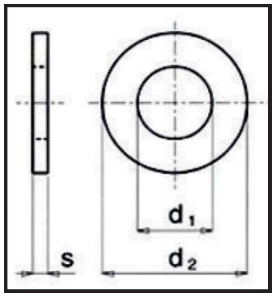
cod. code	filetto vite screw's thread	d [mm]	D [mm]	s [mm]
45025030	M 3	3,2	9	0,8
45025040	M 4	4,3	12	1,0
45025050	M 5	5,3	15	1,2
45025060	M 6	6,5	24	2,0
45025080	M 8	8,5	32	2,5
45025100	M 10	10,5	40	3,0
45025120	M 12	12	48	4,0

Rondella di appoggio piana in acciaio inox
Flat stainless steel supporting washer

ART.45029

Descrizione:
Rondella di appoggio piana UNI 6592, DIN 125 A, ISO 7089.
Materiale acciaio inox A2.

Flat stainless steel supporting washer UNI 6592, DIN 125 A, ISO 7089.
Material stainless steel A2.

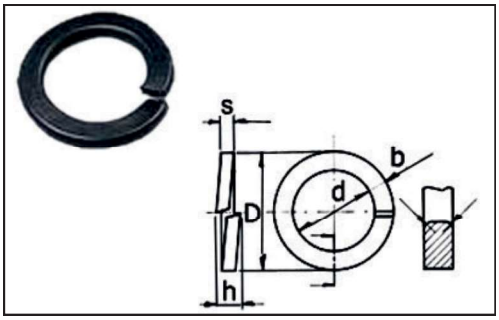


ART. 45029
Dati tecnici / Technical data

cod. code	per viti for screws	d1 [mm]	d2 [mm]	s [mm]
45029060	M 6	6,4	12	1,6
45029080	M 8	8,4	16	1,6
45029100	M 10	10,5	20	2,0
45029120	M 12	13,0	24	2,5
45029160	M 16	17,0	30	3,0

Rondella di bloccaggio elastica
Lock spring washer

ART.45053



Descrizione:
Rondella di bloccaggio elastica UNI 1751, DIN 127 B.
Materiale acciaio C72, finitura brunita.

Lock spring washer UNI 1751, DIN 127 B. Material steel C72, burnished finish.

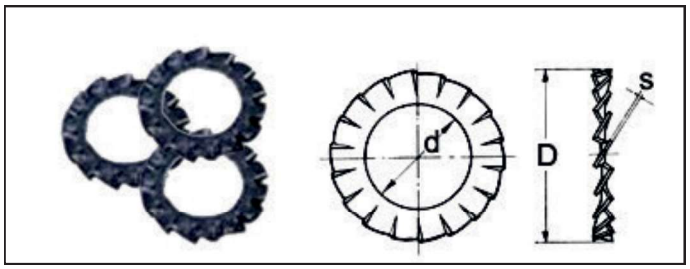
ART. 45053
Dati tecnici / Technical data

cod. code	filetto vite screw's thread	d [mm]	b [mm]	s [mm]	h min [mm]	h max [mm]	D [mm]
45053040	M 4	4,1	1,5	0,9	1,8	2,1	7,6
45053050	M 5	5,1	1,8	1,2	2,4	2,8	9,2
45053060	M 6	6,1	2,5	1,6	3,2	3,8	11,8
45053080	M 8	8,1	3	2	4	4,7	14,8
45053100	M 10	10,2	3,5	2,2	4,4	5,2	18,1
45053120	M 12	12,2	4	2,5	5	5,9	21,1
45053140	M 14	14,2	4,5	3	6	7,1	24,1
45053160	M 16	16,2	5	3,5	7	8,3	27,4
45053180	M 18	18,2	5	3,5	7	8,3	29,4
45053200	M 20	20,2	6	4	8	9,4	33,6
45053220	M 22	22,5	6	4	8	9,4	35,9
45053240	M 24	24,5	7	5	10	11,8	40

Rondelle e minuteria di bloccaggio - Rondelle - Rosette di sicurezza - Ghiere di bloccaggio

Rondella di bloccaggio esternamente dentellata
External thooted lock washer

ART.45072 GnuBo



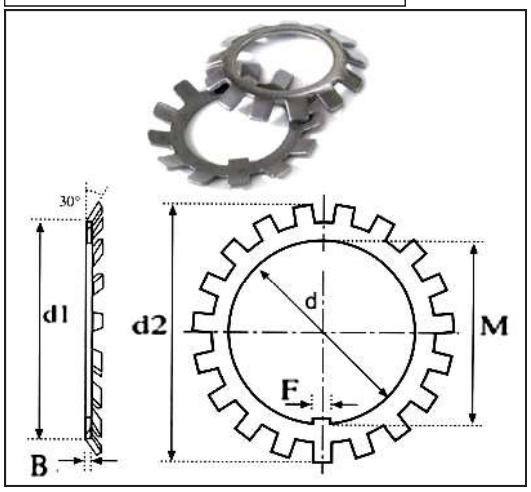
ART. 45072				
Dati tecnici / Technical data				
cod. code	filetto vite screw's thread	d [mm]	D [mm]	s [mm]
45072030	**M 3**	3,2	6	0,4
45072040	**M 4**	4,3	8	0,5
45072050	**M 5**	5,1	9	0,5
45072060	**M 6**	6,4	11	0,7
45072080	**M 8**	8,2	14	0,8
45072100	**M 10**	10,5	18	0,9
45072120	**M 12**	12,5	20,5	1
45072140	**M 14**	14,5	24	1
45072160	**M 16**	16,5	26	1,2
45072180	**M 18**	19	30	1,4
45072200	**M 20**	21	33	1,4
45072220	**M 22**	23	36	1,5
45072240	**M 24**	25	38	1,5
45072270	**M 27**	28	44	1,6
45072300	**M 30**	31	48	1,6

Descrizione:
Rondella di bloccaggio esternamente dentellata DIN 6798 A.
Materiale acciaio C70, finitura brunita o zincata bianca a seconda della disponibilità di magazzino.

External thooted lock washer DIN 6798 A.
Material steel C70, burnished or white zinc plated finish according to stock availability.

Rosetta di sicurezza MB
Lock washer MB

ART.45103 GnuBo



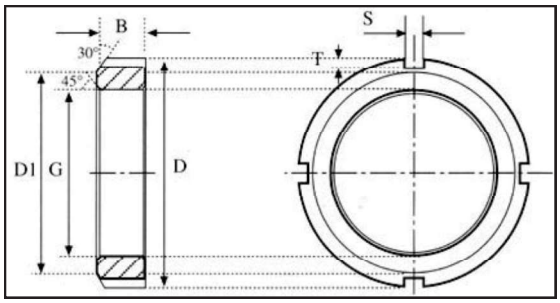
ART. 45103								
Dati tecnici / Technical data								
cod. code	tipo Kind	d [mm]	d1 [mm]	d2 [mm]	B [mm]	F [mm]	M [mm]	peso weight [g]
45103005	MB 0	**10**	13,5	21	1	3	8,5	1
45103010	MB 1	**12**	17	25	1	3	10,5	2
45103020	MB 2	**15**	21	28	1	4	13,5	3
45103030	MB 3	**17**	24	32	1	4	15,5	3
45103040	MB 4	**20**	26	36	1	4	18,5	4
45103050	MB 5	**25**	32	42	1,25	5	23	6
45103060	MB 6	**30**	38	49	1,25	5	27,5	8
45103070	MB 7	**35**	44	57	1,25	6	32,5	11
45103080	MB 8	**40**	50	62	1,25	6	37,5	13
45103090	MB 9	**45**	56	64	1,25	6	42,5	15
45103100	MB 10	**50**	61	74	1,25	6	47,5	16
45103110	MB 11	**55**	67	81	1,25	8	52,5	22
45103120	MB 12	**60**	73	86	1,5	8	57,5	24
45103130	MB 13	**65**	79	92	1,5	8	62,5	30
45103140	MB 14	**70**	85	98	1,5	8	66,5	32
45103150	MB 15	**75**	90	104	1,5	8	71,5	35
45103160	MB 16	**80**	95	112	1,75	10	76,5	46
45103170	MB 17	**85**	102	119	1,75	10	81,5	53
45103180	MB 18	**90**	108	126	1,75	10	86,5	61
45103190	MB 19	**95**	113	133	1,75	10	91,5	66
45103200	MB 20	**100**	120	142	1,75	12	96,5	77

Descrizione:
Rosetta di sicurezza MB in acciaio zincato.

Lock washer MB in zinc-plated steel.

Ghiera filettata di bloccaggio KM
Threaded locking collar KM

ART.45122 GnuBo



ART. 45122								
Dati tecnici / Technical data								
cod. code	tipo kind	filetto G thread G	D [mm]	D1 [mm]	B [mm]	S [mm]	T [mm]	peso weight [kg]
45122005	KM 0	**M 10x0,75**	18	13,5	4	3	2	0,006
45122010	KM 1	**M 12x1**	22	17	4	3	2	0,008
45122020	KM 2	**M 15x1**	25	21	5	4	2	0,012
45122030	KM 3	**M 17x1**	28	24	5	4	2	0,012
45122040	KM 4	**M 20x1**	32	26	6	4	2	0,020
45122050	KM 5	**M 25x1,5**	38	32	7	5	2	0,028
45122060	KM 6	**M 30x1,5**	45	38	7	5	2	0,038
45122070	KM 7	**M 35x1,5**	52	44	8	5	2	0,058
45122080	KM 8	**M 40x1,5**	58	50	9	6	2,5	0,078
45122090	KM 9	**M 45x1,5**	65	56	10	6	2,5	0,110
45122100	KM 10	**M 50x1,5**	70	61	11	6	2,5	0,140
45122110	KM 11	**M 55x2**	75	67	11	7	3	0,150
45122120	KM 12	**M 60x2**	80	73	11	7	3	0,160
45122130	KM 13	**M 65x2**	85	79	12	7	3	0,190
45122140	KM 14	**M 70x2**	92	85	12	8	3,5	0,220
45122150	KM 15	**M 75x2**	98	90	13	8	3,5	0,270
45122160	KM 16	**M 80x2**	105	95	15	8	3,5	0,360

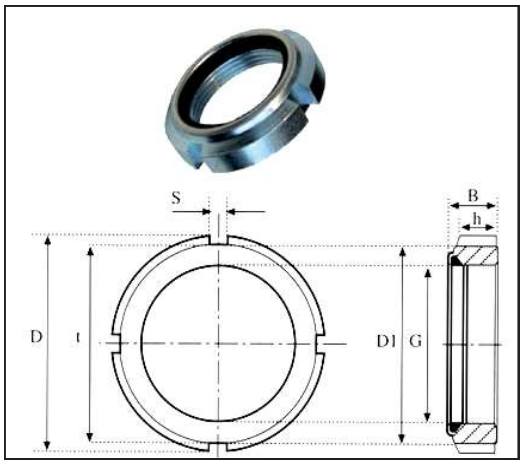
Descrizione:
Ghiera filettata di bloccaggio KM in acciaio zincato.
Filettatura metrica ISO a passo fine.

Threaded locking collar KM made in zinc-plated steel. ISO metric fine pitch thread.

Rondelle e minuteria di bloccaggio - Ghiere di bloccaggio - Spine elastiche

Ghiera filettata autobloccante GUK
Threaded self-locking collar GUK

ART.45126 GnuBo



Descrizione:
Ghiera filettata autobloccante GUK.
Materiale acciaio 14H (HV 140) zincato bianco.
Inserto frenante in poliammide (Nylon) 6,6 neutro. Intervallo di temperatura entro la quale mantiene il potere frenante: -40 +100 °C. Filettatura metrica ISO a passo fine.

Threaded self-locking collar GUK. Material steel 14H (HV 140), white zinc-plated. Braking insert made of neutral polyamide 6.6 (Nylon). Temperature range in which it manteins its braking power: -40 +100 °C. ISO metric fine pitch thread.

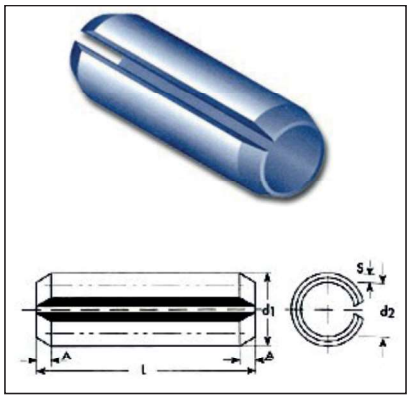
ART. 45126
Dati tecnici / Technical data

cod. code	tipo kind	filetto G thread G	D [mm]	D1=t [mm]	B [mm]	h [mm]	S [mm]	n° cave n° sockets [mm]
45126005	KMA 0	**M 10x0,75**	18	15	7,6	4,5	3	4
45126010	KMA 1	**M 12x1**	21	18	7,6	4,5	3	4
45126020	KMA 2	**M 15x1**	24	21	8,6	5,5	4	4
45126030	KMA 3	**M 17x1**	28	24	8,7	5,5	4	4
45126040	KMA 4	**M 20x1**	32	27	9,6	6,0	4	4
45126050	KMA 5	**M 25x1,5**	38	33	10,5	6,5	5	4
45126060	KMA 6	**M 30x1,5**	44	38	10,7	6,6	5	4
45126070	KMA 7	**M 35x1,5**	50	44	11,3	7,0	5	4
45126080	KMA 8	**M 40x1,5**	56	50	12,3	7,7	6	4
45126090	KMA 9	**M 45x1,5**	62	55	12,3	7,8	6	4
45126100	KMA 10	**M 50x1,5**	78	61	12,9	8,1	6	4
45126110	KMA 11	**M 55x2**	75	68	13,4	8,2	7	6
45126120	KMA 12	**M 60x2**	80	73	13,4	8,2	7	6

Rondelle e minuteria di bloccaggio - Spine elastiche

Spina elastica pesante
Heavy spring lockpin

ART.45153 GnuBo



ART. 45153
Dati tecnici / Technical data

cod. code	d1 [mm]	L [mm]	d2 [mm]	s [mm]	A [mm]	min. resistenza al taglio doppio min. resistence to double cut [kN]
45153087	**2**	12 ± 0,50	1,5	0,4	0,35 - 0,55	2,82
45153101	**2**	14 ± 0,50				
45153115	**2**	16 ± 0,50				
45153129	**2**	18 ± 0,50				
45153148	**3**	20 ± 0,50	2,1	0,6	0,50 - 0,70	6,32
45153162	**3**	40 ± 0,50				
45153181	**4**	20 ± 0,50	2,8	0,8	0,65 - 0,85	11,24
45153195	**4**	40 ± 0,50				
45153209	**4**	50 ± 0,50				
45153228	**5**	20 ± 0,50	3,4	1,0	0,90 - 1,10	17,54
45153242	**5**	40 ± 0,50				
45153256	**5**	80 ± 0,75				
45153275	**6**	20 ± 0,50	4,0	1,2	1,2 - 1,4	26,04
45153289	**6**	40 ± 0,50				
45153303	**6**	80 ± 0,75				
45153322	**8**	20 ± 0,50	5,5	1,5	2,0 - 2,4	42,76
45153336	**8**	40 ± 0,50				
45153350	**8**	80 ± 0,75				
45153369	**10**	30 ± 0,50	6,5	2,0	2,0 - 2,4	70,16
45153383	**10**	40 ± 0,50				
45153397	**10**	80 ± 0,75				
45153430	**12**	40 ± 0,50	7,5	2,5	2,0 - 2,4	104,10
45153444	**12**	80 ± 0,75				
45153463	**14**	80 ± 0,75	8,5	3,0	2,0 - 2,4	144,70

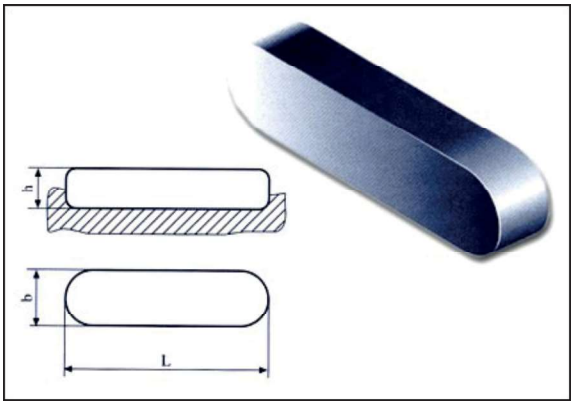
Descrizione:
Spina elastica pesante ISO 8752 (ex DIN 1481 - UNI 6873).
Esecuzione a 2 smussi fino al diametro nominale (d1) di mm 8, esecuzione ad 1 smusso dal diametro nominale di mm 10.
Materiale acciaio per molle CK67, CK75, 55Si7 in base alla disponibilità.

Heavy spring lockpin ISO 8752 (ex DIN 1481 - UNI 6873).
Made with 2 chamfers to nominal diameter (d1) mm 8, made with 1 chamfer from nominal diameter mm 10. Material spring steel CK67, CK75, 55Si7 according to availability.

Linguetta DIN 6885 A, UNI 6604 A
Feather DIN 6885 A, UNI 6604 A

ART.45173 GnuBo

ART. 45173 Dati tecnici / Technical data							
cod. code	b [mm]	h [mm]	L [mm]	cod. code	b [mm]	h [mm]	L [mm]
45173043	**3**	3	8	45173321	**8**	7	60
45173087	**4**	4	36	45173340	**10**	8	30
45173101	**5**	5	15	45173354	**10**	8	40
45173115	**5**	5	20	45173368	**10**	8	50
45173129	**5**	5	30	45173382	**10**	8	60
45173143	**5**	5	40	45173410	**10**	8	100
45173157	**5**	5	50	45173420	**12**	8	30
45173176	**6**	6	15	45173434	**12**	8	100
45173190	**6**	6	20	45173458	**14**	9	35
45173204	**6**	6	30	45173472	**14**	9	40
45173218	**6**	6	40	45173486	**14**	9	50
45173232	**6**	6	50	45173500	**14**	9	60
45173250	**6**	6	100	45173514	**14**	9	100
45173265	**8**	7	20	45173538	**16**	10	40
45173279	**8**	7	30	45173552	**16**	10	100
45173293	**8**	7	40	45173576	**18**	11	120
45173307	**8**	7	50	45173600	**20**	12	130



Descrizione:
Linguetta DIN 6885, UNI 6604 (ex ISO 773) forma A.
Materiale acciaio C 45 K.

Feather DIN 6885, UNI 6604 (ex ISO 773) form A.
Material steel C 45 K.

PRESSO GNUTTI BORTOLO PUOI TROVARE 20000 REFERENZE A MAGAZZINO cosi' suddivise:

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ABRASIVI (incluso carta, tela, nastri, ruote, abrasivi diamantati e via dicendo)
ANTINFORTUNISTICA & SALDATURA (dispositivi di protezione individuale, saldatrici e materiale per la saldatura)
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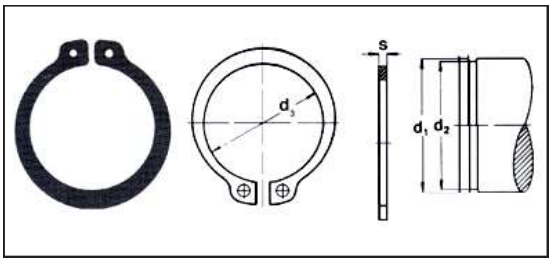
Anello d'arresto esterno
External retaining ring

ART.45303 GnuBo

ART. 45303
Dati tecnici / Technical data

cod. code	d_1 [mm]	s [mm]	d_3 [mm]	d_2 [mm]	cod. code	d_1 [mm]	s [mm]	d_3 [mm]	d_2 [mm]
45303030	**3**	0,4	2,7	2,8	45303320	**32**	1,5	29,6	30,3
45303040	**4**	0,4	3,7	3,8	45303330	**33**	1,5	30,5	31,3
45303050	**5**	0,6	4,7	4,8	45303340	**34**	1,5	31,5	32,3
45303060	**6**	0,7	5,6	5,7	45303350	**35**	1,5	32,2	33,0
45303070	**7**	0,8	6,5	6,7	45303360	**36**	1,75	33,2	34,0
45303080	**8**	0,8	7,4	7,6	45303370	**37**	1,75	34,2	35,0
45303090	**9**	1,0	8,4	8,6	45303380	**38**	1,75	35,2	36,0
45303100	**10**	1,0	9,3	9,6	45303390	**39**	1,75	36,0	37,0
45303110	**11**	1,0	10,2	10,5	45303400	**40**	1,75	36,5	37,5
45303120	**12**	1,0	11,0	11,5	45303410	**41**	1,75	37,5	38,5
45303130	**13**	1,0	11,9	12,4	45303420	**42**	1,75	38,5	39,5
45303140	**14**	1,0	12,9	13,4	45303440	**44**	1,75	40,5	41,5
45303150	**15**	1,0	13,8	14,3	45303450	**45**	1,75	41,5	42,5
45303160	**16**	1,0	14,7	15,2	45303460	**46**	1,75	42,5	43,5
45303170	**17**	1,0	15,7	16,2	45303470	**47**	1,75	43,5	44,5
45303180	**18**	1,2	16,5	17,0	45303480	**48**	1,75	44,5	45,5
45303190	**19**	1,2	17,5	18,0	45303500	**50**	2,0	45,8	47,0
45303200	**20**	1,2	18,5	19,0	45303520	**52**	2,0	47,8	49,0
45303210	**21**	1,2	19,5	20,0	45303540	**54**	2,0	49,8	51,0
45303220	**22**	1,2	20,5	21,0	45303550	**55**	2,0	50,8	52,0
45303230	**23**	1,2	21,5	22,0	45303560	**56**	2,0	51,8	53,0
45303240	**24**	1,2	22,2	22,9	45303570	**57**	2,0	52,8	54,0
45303250	**25**	1,2	23,2	23,9	45303580	**58**	2,0	53,8	55,0
45303260	**26**	1,2	24,2	24,9	45303600	**60**	2,0	55,8	57,0
45303270	**27**	1,2	24,9	25,6	45303630	**63**	2,0	58,0	60,0
45303280	**28**	1,5	25,9	26,6	45303650	**65**	2,5	60,8	62,0
45303290	**29**	1,5	26,9	27,6	45303700	**70**	2,5	65,5	67,0
45303300	**30**	1,5	27,9	28,6	45303750	**75**	2,5	70,5	72,0
45303310	**31**	1,5	28,6	29,3					



Descrizione:
Anello d'arresto a montaggio assiale per alberi UNI 3653 - 7435, DIN 471, tipo A.
Materiale acciaio per molle.
Trattamento superficiale: fosfatato o brunito ed oliato.

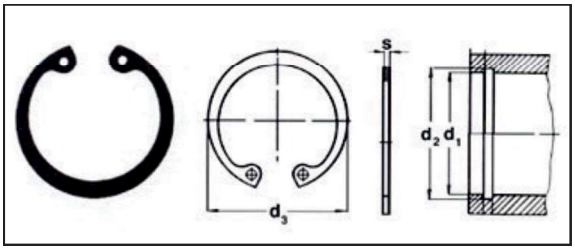
Retaining assial-fitting ring for shafts UNI 3653 - 7435, DIN 471 type A.
Material spring steel.
Surface treating: phosphate or burnished and oiled.

Anello d'arresto interno
Internal retaining ring

ART.45306 GnuBo

ART. 45306
Dati tecnici / Technical data

cod. code	d_1 [mm]	s [mm]	d_3 [mm]	d_2 [mm]	cod. code	d_1 [mm]	s [mm]	d_3 [mm]	d_2 [mm]
45306100	**10**	1,0	10,8	10,4	45306400	**40**	1,75	43,5	42,5
45306110	**11**	1,0	11,8	11,4	45306410	**41**	1,75	44,5	43,5
45306120	**12**	1,0	13,0	12,5	45306420	**42**	1,75	45,5	44,5
45306130	**13**	1,0	14,1	13,6	45306440	**44**	1,75	47,5	46,5
45306140	**14**	1,0	15,1	14,6	45306450	**45**	1,75	48,5	47,5
45306150	**15**	1,0	16,2	15,7	45306460	**46**	1,75	49,5	48,5
45306160	**16**	1,0	17,3	16,8	45306470	**47**	1,75	50,5	49,5
45306170	**17**	1,0	18,3	17,8	45306480	**48**	1,75	51,5	50,5
45306180	**18**	1,0	19,5	19,0	45306490	**49**	1,75	53,4	
45306190	**19**	1,0	20,5	20,0	45306500	**50**	2,0	54,2	53,0
45306200	**20**	1,0	21,5	21,0	45306520	**52**	2,0	56,2	55,0
45306210	**21**	1,0	22,5	22,0	45306540	**54**	2,0	58,2	57,0
45306220	**22**	1,0	23,5	23,0	45306550	**55**	2,0	59,2	58,0
45306230	**23**	1,2	24,6	24,1	45306560	**56**	2,0	60,2	59,0
45306240	**24**	1,2	25,9	25,2	45306570	**57**	2,0	61,2	60,0
45306250	**25**	1,2	26,9	26,2	45306580	**58**	2,0	62,2	61,0
45306260	**26**	1,2	27,9	27,2	45306600	**60**	2,0	64,2	63,0
45306270	**27**	1,2	29,1	28,4	45306620	**62**	2,0	66,2	65,0
45306280	**28**	1,2	30,1	29,4	45306630	**63**	2,0	67,2	66,0
45306290	**29**	1,2	31,1	30,4	45306640	**64**	2,0	68,2	67,0
45306300	**30**	1,2	32,1	31,4	45306650	**65**	2,5	69,2	68,0
45306310	**31**	1,2	33,4	32,7	45306660	**66**	2,5	69,6	
45306320	**32**	1,2	34,4	33,7	45306670	**67**	2,5	71,5	70,0
45306330	**33**	1,2	35,5	34,7	45306680	**68**	2,5	72,5	71,0
45306340	**34**	1,5	36,5	35,7	45306700	**70**	2,5	74,5	73,0
45306350	**35**	1,5	37,8	37,0	45306720	**72**	2,5	76,5	75,0
45306360	**36**	1,5	38,8	38,0	45306730	**73**	2,5	77,5	
45306370	**37**	1,5	39,8	39,0	45306750	**75**	2,5	79,5	78,0
45306380	**38**	1,5	40,8	40,0	45306800	**80**	2,5	85,5	83,5
45306390	**39**	1,5	42,0	41,0	45306850	**85**	3,0	90,5	88,5



Descrizione:
Anello d'arresto a montaggio assiale per fori UNI 3654 - 7437, DIN 472 tipo J.
Materiale acciaio per molle. Trattamento superficiale: fosfatato o brunito ed oliato.

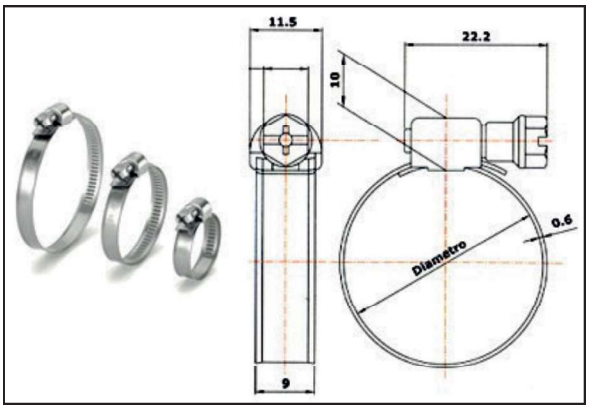
Retaining assial-fitting ring for bores UNI 3654 - 7437, DIN 472 type J.
Material spring steel. Surface treating: phosphate or burnished and oiled.

Fascetta stringitubo da 9 mm
Hose clamp mm 9

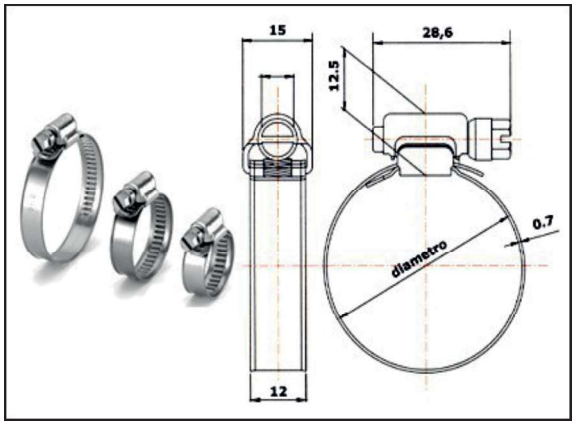
ART.45354 GnuBo

ART. 45354		
Dati tecnici / Technical data		
cod. code	diam. min - max min - max diam. [mm]	coppia di serraggio working torque [Nm]
45354006	8 - 12	3
45354010	10 - 16	3
45354013	12 - 22	3
45354017	16 - 27	3

Descrizione:
Fascetta stringitubo con nastro largo mm 9. Banda in acciaio inox AISI 304, carter in acciaio galvanizzato al nichel, vite per chiave esagonale da 7 mm, con intaglio e croce per cacciavite, in acciaio zincato con passivazione esente Cr6+. Applicazioni: industria, termoidraulica, ferramenta, ricambistica auto, agricoltura.



Hose clamp with mm 9 wide band. Band made in stainless steel AISI 304, carter made in nickel-plated housing steel, screw with mm 7 hexagonal head, with slot and cross for screwdrivers, made in zinc-plated steel without Cr6+. Applications: industry,

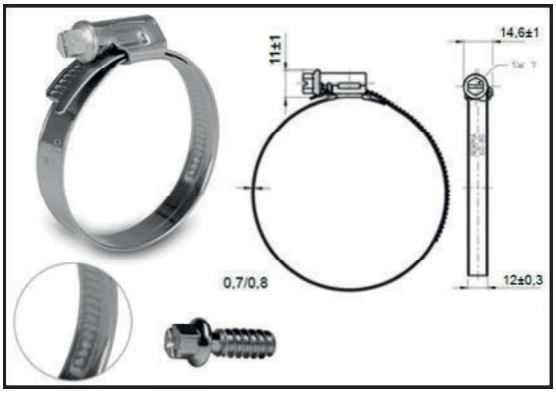


Fascetta stringitubo da 12 mm
Hose clamp mm 12

ART.45359 GnuBo

ART. 45359				
Dati tecnici / Technical data				
cod. code	diam. min - max min - max diam. [mm]	larghezza nastro band's width [mm]	spessore nastro band's thickness [mm]	coppia di serraggio working torque [Nm]
45359023	23 - 35	12	0,7	5
45359030	30 - 45	12	0,7	
45359040	40 - 60	12	0,7	
45359050	50 - 70	12	0,7	
45359060	60 - 80	12	0,7	
45359080	80 - 100	12	0,7	
45359090	90 - 110	12	0,7	
45359110	110 - 130	12	0,7	
45359120	120 - 140	12	0,7	
45359140	140 - 160	12	0,7	

Descrizione:
Fascetta stringitubo con nastro largo mm 12. Banda in acciaio inox AISI 304, carter in acciaio galvanizzato al nichel, vite per chiave esagonale da 7 mm, con intaglio e croce per cacciavite, in acciaio zincato con passivazione esente Cr6+. Applicazioni: industria, termoidraulica, ferramenta, ricambistica auto, agricoltura.
Hose clamp with mm 12 wide band. Band made in stainless steel AISI 304, carter made in nickel-plated housing steel, screw with mm 7 hexagonal head, with slot and cross for screwdrivers, made in zinc-plated steel without Cr6+. Applications: industry, thermohydraulics, haredware, auto-motive parts, agriculture.



Fascetta stringitubo TORRO da mm 12
Hose clamp TORRO mm 12

ART.45361 GnuBo

Descrizione:
Fascetta stringitubo TORRO a vite senza fine, a norma DIN 3017. Vite a testa esagonale e impronta Phillips SW7, nastro pieno a bordi arrotondati con interno liscio in acciaio W1 esente Cromo VI, larghezza mm 12.
Hose clamp TORRO with worm, according to DIN 3017. Phillips hexagonal headed screw SW7, full band with round sides with smooth interior made of W1 steel without Cromium VI, width mm 12.

ART. 45361				
Dati tecnici / Technical data				
cod. code	diam. min - max min - max diam. [mm]	larghezza nastro band's width [mm]	spessore nastro band's thickness [mm]	coppia di serraggio working torque [Nm]
45361170	170 - 190	12	0,7	5
45361180	180 - 200	12	0,7	5
45361240	240 - 260	12	0,7	5

Fascetta stringitubo a chiusura rapida da 9 mm
Quick release hose clamp mm 9

ART.45363 GnuBo

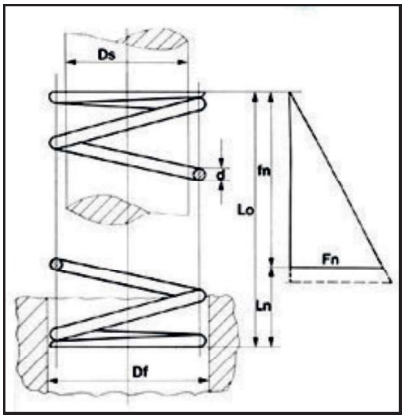
ART. 45363				
Dati tecnici / Technical data				
cod. code	diam. min - max min - max diam. [mm]	larghezza nastro band's width [mm]	spessore nastro band's thickness [mm]	serraggio working torque [Nm]
45363325	60 - 325	9	0,6	4
45363525	60 - 525	9	0,6	

Descrizione:
Fascetta stringitubo a chiusura rapida con nastro largo mm 9. Interamente in acciaio inox AISI 304. Vite con testa esagonale da 7 mm, con intaglio e croce per cacciavite. Applicazioni: impiantistica del condizionamento, ventilazione e aspirazione.
Quick release hose clamp mm 9 wide band. Totally made in stainless steel AISI 304. Screw with 7 mm hexagonal head, with slot and cross for screwdriver. Applications: conditioning construction, ventilation and suction.

Molla a compressione normalizzata
Standard compression spring

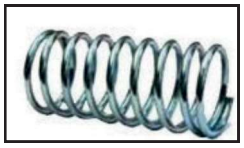
ART.45383 GnuBo

Descrizione:



Molla a compressione normalizzata in filo d'acciaio armonico per molle, trafilato, classe C a norma DIN 17223 -1, zincato. Tolleranza sul diamerto del filo DIN 2076. Avvolgimento destro. Estremità a spire chiuse per molle con diamerto del filo fino a mm 1; estremità molate per molle con diamerto del filo da mm 1,25 in poi. Tolleranza a norma DIN 2095-73 grado 2.

Standard compression spring. Made in music steel wire for springs, drawn, class C according to DIN 17223-1, zinc plated. Wire's diameter tolerance DIN 2076. Right coiling.
Ends with closed turns in springs with wire's diameter up to mm 1; ground ends in springs with wire's diameter from mm 1,25. Tolerance according to DIN 2095-73 grade 2.



LEGGENDA				LEGEND			
d	mm	Diametro del filo	Ln	mm	Lunghezza con carico max. Fn
		Wire's diameter			Length with max. load
Ds	mm	Diam. della spina interna di guida	fn	mm	Freccia con carico max. Fn
		Inner drive pin's diameter			Set with max. load Fn
Df	mm	Diam. del foro di alloggiamento	Rg	Kgf/mm	Rigidità
		Spring holder's diameter			Stiffness
Fn	Kgf	Carico max.	Lo	mm	Lunghezza libera
		Max. load			Free length

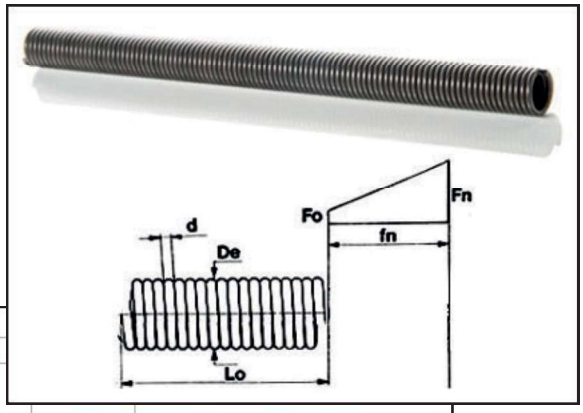
ART. 45383

Dati tecnici / Technical data

cod. code	n° pos.	n° disegno	d [mm]	Ds [mm]	Df [mm]	Fn [Kgf]	Lo [mm]	Ln [mm]	fn [mm]	Rg [Kgf/mm]	cod. code	n° pos.	n° disegno	d [mm]	Ds [mm]	Df [mm]	Fn [Kgf]	Lo [mm]	Ln [mm]	fn [mm]	Rg [Kgf/mm]
45383001	1	CO 1953	**0,5**	1,7	3,4	1,628	12	7,5	4,5	0,362	45383057	57	CO 2180	**1,2**	10,6	14,6	5,230	27	9,6	17,4	0,301
45383002	2	CO 1960	**0,5**	2,4	4,1	1,353	5,5	3,3	2,2	0,614	45383058	58	CO 2182	**1,2**	10,6	14,6	5,230	62,5	19,9	42,6	0,122
45383003	3	CO 1962	**0,5**	2,4	4,1	1,353	11,5	6	5,5	0,245	45383059	59	CO 2184	**1,2**	10,6	14,6	5,230	130	39,6	90,4	0,057
45383004	4	CO 1964	**0,5**	2,4	4,1	1,353	23,5	11,4	12,1	0,111	45383060	60	CO 2191	**1,2**	14,1	18,2	4,203	62	15,8	46,2	0,091
45383005	5	CO 1971	**0,5**	3,1	5	1,129	10	4,5	5,5	0,205	45383061	61	CO 2193	**1,2**	14,1	18,2	4,203	140	33,3	106,7	0,039
45383006	6	CO 1973	**0,5**	3,1	5	1,129	21,5	8,5	13	0,087	45383062	62	CO 2200	**1,6**	5,9	10,1	13,900	14,5	10,1	4,4	3,179
45383007	7	CO 1980	**0,5**	4,0	6,2	0,934	9,4	3,7	5,7	0,163	45383063	63	CO 2202	**1,6**	5,9	10,1	13,900	31,5	20,5	11	1,269
45383008	8	CO 1982	**0,5**	4,0	6,2	0,934	20,5	6,7	13,8	0,067	45383064	64	CO 2204	**1,6**	5,9	10,1	13,900	65,5	41,4	24,1	0,576
45383009	9	CO 1984	**0,5**	4,0	6,2	0,934	44,5	13,3	31,2	0,029	45383065	65	CO 2211	**1,6**	7,9	12,1	11,766	27	15,1	11,9	0,989
45383010	10	CO 1991	**0,5**	5,3	7,5	0,761	20	5,5	14,5	0,052	45383066	66	CO 2213	**1,6**	7,9	12,1	11,766	58,5	30,9	27,6	0,426
45383011	11	CO 1993	**0,5**	5,3	7,5	0,761	44	10,7	33,3	0,022	45383067	67	CO 2220	**1,6**	10,3	14,7	9,833	24	11,4	12,6	0,783
45383012	12	CO 2000	**0,6**	2,3	4,2	2,783	5,5	4	1,5	1,868	45383068	68	CO 2222	**1,6**	10,3	14,7	9,833	53,5	23,1	30,4	0,323
45383013	13	CO 2002	**0,6**	2,3	4,2	2,783	11	7,2	3,8	0,732	45383069	69	CO 2224	**1,6**	10,3	14,7	9,833	115	47,5	67,5	0,145
45383014	14	CO 2004	**0,6**	2,3	4,2	2,783	25,5	15,6	9,9	0,281	45383070	70	CO 2231	**1,6**	13,7	18,5	7,972	51,5	17,8	33,7	0,326
45383015	15	CO 2011	**0,6**	3,0	5	2,358	9,6	5,5	4,1	0,579	45383071	71	CO 2233	**1,6**	13,7	18,5	7,972	110	35,4	74,6	0,106
45383016	16	CO 2013	**0,6**	3,0	5	2,358	20	10,4	9,6	0,245	45383072	72	CO 2240	**1,6**	17,5	22,6	6,545	48	13,8	34,2	0,191
45383017	17	CO 2020	**0,6**	3,9	6,1	1,972	8,5	4,4	4,1	0,476	45383073	73	CO 2242	**1,6**	17,5	22,6	6,545	110	28,6	81,4	0,080
45383018	18	CO 2022	**0,6**	3,9	6,1	1,972	18,5	8	10,5	0,188	45383074	74	CO 2244	**1,6**	17,5	22,6	6,545	240	59,4	180,6	0,036
45383019	19	CO 2024	**0,6**	3,9	6,1	1,972	38,5	15,4	23,1	0,085	45383075	75	CO 2251	**2,0**	7,5	12,5	21,719	26,5	17,8	8,7	2,494
45383020	20	CO 2031	**0,6**	5,1	7,6	1,622	17	6,2	10,8	0,150	45383076	76	CO 2253	**2,0**	7,5	12,5	21,719	55	35,3	19,7	1,100
45383021	21	CO 2033	**0,6**	5,1	7,6	1,622	36,5	11,8	24,7	0,065	45383077	77	CO 2260	**2,0**	9,9	15,1	18,385	22,5	13,3	9,2	1,989
45383022	22	CO 2040	**0,6**	6,8	9,4	1,314	16	5,1	10,9	0,120	45383078	78	CO 2262	**2,0**	9,9	15,1	18,385	49,5	26,8	22,7	0,809
45383023	23	CO 2042	**0,6**	6,8	9,4	1,314	37	9,7	27,3	0,048	45383079	79	CO 2264	**2,0**	9,9	15,1	18,385	105	54,6	50,4	0,364
45383024	24	CO 2044	**0,6**	6,8	9,4	1,314	80,5	19,3	61,2	0,021	45383080	80	CO 2271	**2,0**	13,4	18,6	15,064	45	19,8	25,2	0,598
45383025	25	CO 2051	**0,8**	2,8	5,3	3,822	9,7	6,7	3	1,283	45383081	81	CO 2273	**2,0**	13,4	18,6	15,064	98	40,3	57,7	0,261
45383026	26	CO 2053	**0,8**	2,8	5,3	3,822	19,5	12,5	7	0,547	45383082	82	CO 2280	**2,0**	17,1	22,9	12,456	41	15,2	25,8	0,482
45383027	27	CO 2060	**0,8**	3,8	6,3	3,235	8,3	5,3	3	1,053	45383083	83	CO 2282	**2,0**	17,1	22,9	12,456	94	31,2	62,8	0,198
45383028	28	CO 2062	**0,8**	3,8	6,3	3,235	17,5	9,6	7,9	0,411	45383084	84	CO 2284	**2,0**	17,1	22,9	12,456	200	63,1	136,9	0,091
45383029	29	CO 2064	**0,8**	3,8	6,3	3,235	36	18,5	17,5	0,185	45383085	85	CO 2291	**2,0**	22	28	10,226	88,5	24	64,5	0,158
45383030	30	CO 2071	**0,8**	5,0	7,7	2,686	15,5	7,3	8,2	0,327	45383086	86	CO 2293	**2,0**	22	28	10,226	195	49,4	145,6	0,070
45383031	31	CO 2073	**0,8**	5,0	7,7	2,686	33,0	13,9	19,1	0,140	45383087	87	CO 2300	**2,5**	9,4	15,6	33,936	22	15,4	6,6	5,159
45383032	32	CO 2080	**0,8**	6,6	9,6	2,192	14,5	5,9	8,6	0,254	45383088	88	CO 2302	**2,5**	9,4	15,6	33,936	47,5	31,1	16,4	2,063
45383033	33	CO 2082	**0,8**	6,6	9,6	2,192	32	10,9	21,1	0,103	45383089	89	CO 2304	**2,5**	9,4	15,6	33,936	98	62	36	0,943
45383034	34	CO 2084	**0,8**	6,6	9,6	2,192	68	21,2	46,8	0,046	45383090	90	CO 2311	**2,5**	12,9	19,1	28,200	41	22,6	18,4	1,532
45383035	35	CO 2091	**0,8**	8,6	11,6	1,799	30	8,7	21,3	0,084	45383091	91	CO 2313	**2,5**	12,9	19,1	28,200	88	45,6	42,4	0,664
45383036	36	CO 2093	**0,8**	8,6	11,6	1,799	66	16,8	49,2	0,036	45383092	92	CO 2320	**2,5**	16,8	23,2	23,538	36	17	19	1,237
45383037	37	CO 2100	**1,0**	3,6	6,5	5,972	8,5	5,8	2,7	2,251	45383093	93	CO 2322	**2,5**	16,8	23,2	23,538	81,5	34,6	46,9	0,501
45383038	38	CO 2102	**1,0**	3,6	6,5	5,972	17	10,9	6,1	0,975	45383094	94	CO 2324	**2,5**	16,8	23,2	23,538	175	70,7	104,3	0,225
45383039	39	CO 2104	**1,0**	3,6	6,5	5,972	34,5	21,2	13,3	0,45	45383095	95	CO 2331	**2,5**	21,6	28,4	19,463	74,5	26,0	48,5	0,401
45383040	40	CO 2111	**1,0**	4,9	7,8	5,024	14,5	7,9	6,6	0,766	45383096	96	CO 2333	**2,5**	21,6	28,4	19,463	165	53,3	111,7	0,174
45383041	41	CO 2113	**1,0**	4,9	7,8	5,024	30,5	15,6	14,9	0,336	45383097	97	CO 2340	**2,5**	28,3	36,0	15,642	71,5	20,4	51,1	0,306
45383042	42	CO 2120	**1,0**	6,5	9,6	4,142	13	6	7	0,596	45383098	98	CO 2342	**2,5**	28,3	36,0	15,642	170	43,2	126,8	0,123
45383043	43	CO 2122	**1,0**	6,5	9,6	4,142	28,5	11,8	16,7	0,247	45383099	99	CO 2343	**2,5**	28,3	36,0	15,642	245	60,6	184,4	0,084
45383044	44	CO 2124	**1,0**	6,5	9,6	4,142	59	23	36	0,115	45383100	100	CO 2351	**3,2**	12,2	19,8	50,041	40	27,8	12,2	4,092
45383045	45	CO 2131	**1,0**	8,4	11,8	3,425	26	8,9	17,1	0,200	45383101	101	CO 2353	**3,2**	12,2	19,8	50,041	83,5	55,4	28,1	1,783
45383046	46	CO 2133	**1,0**	8,4	11,8	3,425	56	17,5	38,5	0,089	45383102	102	CO 2360	**3,2**	16,1	23,9	42,360	33,5	20,6	12,9	3,284
45383047	47	CO 2140	**1,0**	10,8	14,4	2,812	24	7,0	17	0,165	45383103	103	CO 2362	**3,2**	16,1	23,9	42,360	74	41,8	32,2	1,316
45383048	48	CO 2142	**1,0**	10,8	14,4	2,812	55,5	14,1	41,4	0,067	45383104	104	CO 2364	**3,2**	16,1	23,9	42,360	155	84,3	70,7	0,598
45383049	49	CO 2144	**1,0**	10,8	14,4	2,812	115	27,6	87,4	0,032	45383105	105	CO 2371	**3,2**	21,1	28,9	35,399	63,5	30,3	33,2	1,064
45383050	50	CO 2151	**1,2**	4,7	8,1	9,068	17	11,1	5,9	1,536	45383106	106	CO 2373	**3,2**	21,1	28,9	35,399	135	60,1	74,9	0,472
45383051	51	CO 2153	**1,2**	4,7	8,1	9,068	35,5	22,1	13,4	0,675	45383107	107	CO 2380	**3,2**	27,6	36,5	28,700	58,5	23	35,5	0,808
45383052	52	CO 2160	**1,2**	6,1	9,9	7,578	15	8,4	6,6	1,150	45383108	108	CO 2382	**3,2**	27,6	36,5	28,700	135	47,4	87,6	0,327
45383053	53	CO 2162	**1,2**	6,1	9,9	7,578	33	16,9	16,1	0,471	45383109	109	CO 2384	**3,2**	27,6	36,5	28,700	280	93,6	186,4	0,153
45383054	54	CO 2164	**1,2**	6,1	9,9	7,578	69	34	35	0,216	45383110	110	CO 2391	**3,2**	35,6	44,6	23,562	125	36,1	88,9	0,264
45383055	55	CO 2171	**1,2**	8,2	11,9	6,325	29,5	12,6	16,9	0,373	45383111	111	CO 2393	**3,2**	35,6	44,6	23,562	275	73,6	201,4	0,116
45383056	56	CO 2173	**1,2**	8,2	11,9	6,325	64	25,4	38,6	0,163											

Molla a trazione a spirali chiuse
Tension spring with closed coils spirals

ART.45386 GnuBo



Descrizione:
Molla a trazione normalizzata a spire chiuse in filo d'acciaio armonico per molle, trafilato, classe C a norma DIN 17223-1, zincato. Tolleranza sul diamerto del filo DIN 2076. Avvolgimento destro.

Standard tension spring with closed wires. Made in music steel wire for springs, drawn, class C according to DIN 17223-1, zinc plated. Wire's diameter tolerance DIN 2076. Right coiling.

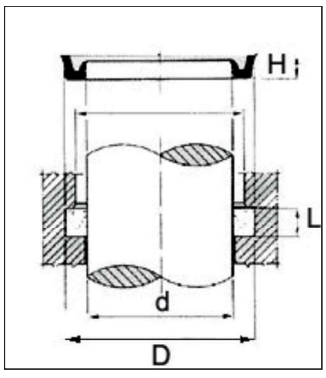
ART. 45386
Dati tecnici / Technical data

cod. code	n° pos.	n° disegno	d [mm]	De [mm]	K	Fo [Kgf]	fn [mm]	Fn [Kgf]	Lo [mm]
45386001	1	248	**0,5**	3,6	2,10	0,21	0,6	1,47	280
45386002	2	249	**0,6**	5,1	1,40	0,14	1,1	1,68	280
45386003	3	250	**0,8**	6,0	2,90	0,29	1,1	3,48	280
45386004	4	251	**0,8**	8,5	0,90	0,18	2,3	2,25	280
45386005	5	252	**1,0**	7,5	3,60	0,36	1,3	5,04	280
45386006	6	253	**1,0**	9,0	1,95	0,39	2,0	4,29	280
45386007	7	254	**1,0**	11,0	1,00	0,30	3,1	3,40	280
45386015	15	255	**1,3**	10,6	3,60	0,72	1,9	7,56	280
45386016	16	256	**1,3**	12,6	2,00	0,60	2,8	6,20	280
45386017	17	257	**1,3**	14,0	1,40	0,42	3,4	5,18	280
45386018	18	258	**1,6**	11,2	7,40	1,48	1,7	14,06	280
45386019	19	259	**1,6**	12,8	4,70	0,94	2,3	11,75	280
45386025	25	260	**1,6**	14,7	2,90	0,87	3,1	9,86	280
45386026	26	261	**1,8**	12,0	9,90	1,98	1,5	16,83	280
45386027	27	262	**1,8**	15,0	4,50	0,90	2,6	12,60	280
45386028	28	263	**2,0**	16,0	3,80	1,14	3,3	13,68	280
45386029	29	264	**2,2**	18,0	7,20	2,16	2,9	23,04	280

LEGGENDA - LEGEND		
d	mm	*Diametro del filo* / *Wire's diameter*
De	mm	*Diametro esterno* / *External diameter*
K		*Costante elastica* / *Elastic constant*
Fo	Kgf	*Precarico della molla* / *Spring's pre-load*
fn	mm	*Freccia con carico max. Fn* / *Set with max. load Fn*
Fn	Kgf	*Carico max.* / *Max. load*
Lo	mm	*Lunghezza libera* / *Free length*

Guarnizione oleoidraulica a labbro DI
Ole-hydraulic lip seal DI

ART.45507 GnuBo



ART. 45507
Dati tecnici / Technical data

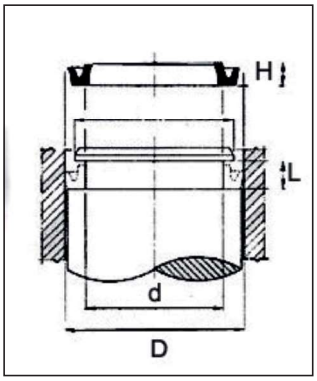
cod. code	tipo kind	d [mm]	D [mm]	H [mm]	L [mm]	cod. code	tipo kind	d [mm]	D [mm]	H [mm]	L [mm]
45507012	*DI 012*	**3,17**	8,75	3,96	5,5	45507168	*DI 168*	**42,86**	53,98	9,52	11,0
45507018	*DI 018*	**4,76**	11,10	3,96	5,5	45507175	*DI 175*	**44,45**	57,15	7,93	9,5
45507025	*DI 025*	**6,35**	12,70	3,96	5,5	45507181	*DI 181*	**46,04**	60,33	9,52	11,0
45507031	*DI 031*	**7,93**	14,28	3,96	5,5	45507187	*DI 187*	**47,63**	63,50	9,52	11,0
45507037	*DI 037*	**9,52**	16,50	3,96	5,5	45507193	*DI 193*	**49,21**	66,68	9,52	11,0
45507043	*DI 043*	**11,11**	19,05	3,96	5,5	45507200	*DI 200*	**50,80**	73,03	11,11	12,5
45507050	*DI 050*	**12,70**	21,00	5,10	7,0	45507212	*DI 212*	**53,98**	69,85	9,52	11,0
45507056	*DI 056*	**14,28**	20,63	4,76	6,0	45507225	*DI 225*	**57,15**	69,85	7,93	9,5
45507062	*DI 062*	**15,87**	22,22	4,76	6,0	45507237	*DI 237*	**60,33**	76,20	7,93	9,5
45507068	*DI 068*	**17,46**	23,81	4,60	6,0	45507250	*DI 250*	**63,50**	76,20	7,93	9,5
45507075	*DI 075*	**19,08**	25,40	4,76	6,0	45507262	*DI 262*	**66,68**	79,38	9,52	11,0
45507081	*DI 081*	**20,63**	28,58	4,76	6,0	45507275	*DI 275*	**69,85**	90,90	9,52	11,0
45507087	*DI 087*	**22,22**	31,75	4,76	6,0	45507287	*DI 287*	**73,03**	82,55	9,52	11,0
45507093	*DI 093*	**23,81**	36,51	6,35	8,0	45507300	*DI 300*	**76,20**	88,90	9,52	11,0
45507100	*DI 100*	**25,40**	38,10	6,35	8,0	45507312	*DI 312*	**79,38**	98,43	9,52	11,0
45507106	*DI 106*	**26,99**	36,51	6,35	8,0	45507325	*DI 325*	**82,55**	95,25	7,93	9,5
45507112	*DI 112*	**28,58**	41,28	7,93	9,5	45507337	*DI 337*	**85,73**	98,43	9,52	11,0
45507118	*DI 118*	**30,16**	38,10	6,35	8,0	45507350	*DI 350*	**88,90**	101,60	9,52	11,0
45507125	*DI 125*	**31,75**	44,45	6,35	8,0	45507362	*DI 362*	**92,08**	106,40	7,93	9,5
45507131	*DI 131*	**33,34**	40,63	4,60	6,0	45507375	*DI 375*	**95,25**	111,10	9,52	11,0
45507137	*DI 137*	**34,93**	50,80	7,93	9,5	45507387	*DI 387*	**98,43**	107,95	9,52	11,0
45507143	*DI 143*	**36,51**	50,80	7,93	9,5	45507400	*DI 400*	**101,60**	111,10	5,75	7,0
45507150	*DI 150*	**38,10**	50,80	9,52	11,0	45507425	*DI 425*	**107,95**	127,00	9,52	11,0
45507156	*DI 156*	**39,69**	55,96	9,52	11,0	45507450	*DI 450*	**114,30**	146,05	12,70	14,0
45507162	*DI 162*	**41,28**	50,80	5,55	7,0	45507475	*DI 475*	**120,65**	136,50	7,14	8,5

Descrizione:
Guarnizione oleoidraulica a labbro per movimenti alternativi DI. Materiale gomma nitrilica NBR, 90 Sh.

Ole-hydraulic lip seal for alternative movements DI. Material nitrile rubber compound NBR, 90 Sh.

Guarnizione oleoidraulica a labbro DE
Ole-hydraulic lip seal DE

ART.45511 GnuBo



ART. 45511

Dati tecnici / Technical data

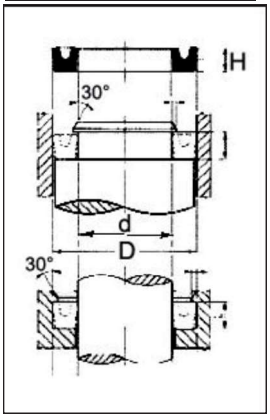
cod. code	tipo kind	D [mm]	d [mm]	H [mm]	L [mm]	cod. code	tipo kind	D [mm]	d [mm]	H [mm]	L [mm]
45511037	*DE 037*	**9,52**	3,17	3,96	5,5	45511284	*DE 262*	**67,00**	51,10	8,85	10,5
45511044	*DE 043*	**11,11**	4,76	3,96	5,5	45511297	*DE 275*	**70,00**	54,10	7,93	9,5
45511051	*DE 050*	**13,00**	6,70	4,76	6,3	45511310	*DE 287*	**73,00**	63,50	5,55	7,0
45511058	*DE 056*	**14,00**	7,70	4,76	6,3	45511323	*DE 300*	**76,00**	57,90	8,73	10,5
45511065	*DE 062*	**16,00**	8,10	5,55	7,0	45511336	*DE 312*	**80,00**	67,30	6,35	8,0
45511072	*DE 068*	**17,50**	12,20	3,17	5,0	45511349	*DE 325*	**83,00**	71,90	7,50	8,5
45511079	*DE 075*	**19,00**	12,70	3,17	5,0	45511362	*DE 337*	**86,00**	73,30	9,52	11,0
45511086	*DE 081*	**21,00**	14,70	6,35	8,0	45511375	*DE 350*	**89,00**	76,30	6,35	8,0
45511093	*DE 087*	**22,00**	12,50	6,35	8,0	45511388	*DE 362*	**92,00**	76,10	9,52	11,0
45511100	*DE 093*	**24,00**	14,50	6,35	8,0	45511401	*DE 375*	**95,00**	76,70	7,40	9,0
45511107	*DE 100*	**26,00**	16,50	6,35	8,0	45511414	*DE 387*	**99,00**	86,30	9,52	11,0
45511114	*DE 106*	**27,00**	17,50	6,35	8,0	45511427	*DE 400*	**102,00**	89,30	9,52	11,0
45511121	*DE 112*	**29,00**	19,50	6,35	8,0	45511440	*DE 412*	**105,00**	89,10	7,93	9,5
45511128	*DE 118*	**30,00**	20,50	6,35	8,0	45511453	*DE 425*	**108,00**	95,30	7,93	9,5
45511135	*DE 125*	**32,00**	19,30	6,35	8,0	45511466	*DE 437*	**111,00**	94,70	7,93	9,5
45511142	*DE 131*	**34,00**	15,00	9,52	11,0	45511479	*DE450350*	**115,00**	89,60	15,90	19,0
45511149	*DE 137*	**35,00**	22,30	6,35	8,0	45511492	*DE 462*	**118,00**	105,30	9,52	11,0
45511156	*DE 143*	**37,00**	26,00	6,35	8,0	45511505	*DE 475*	**121,00**	108,30	9,52	11,0
45511163	*DE 150*	**38,00**	30,00	6,35	8,0	45511518	*DE 487*	**124,00**	111,30	9,52	11,0
45511170	*DE 156*	**40,00**	27,30	6,35	8,0	45511531	*DE 500*	**127,00**	108,00	9,52	11,0
45511177	*DE 162*	**42,00**	30,90	6,35	8,0	45511544	*DE 512*	**130,00**	117,30	9,52	11,0
45511184	*DE 168*	**43,00**	30,30	9,52	11,0	45511557	*DE 525*	**134,00**	121,30	9,52	11,0
45511191	*DE 175*	**45,00**	35,50	7,00	8,5	45511570	*DE 550*	**140,00**	127,30	9,52	11,0
45511198	*DE 181*	**46,00**	29,20	10,20	12,0	45511583	*DE 562*	**143,00**	130,30	9,52	11,0
45511205	*DE 187*	**48,00**	32,10	7,93	9,5	45511596	*DE 587*	**149,00**	136,30	9,52	11,0
45511212	*DE 193*	**49,00**	35,00	9,52	11,0	45511609	*DE600500*	**153,00**	127,60	15,90	19,0
45511219	*DE 200*	**51,00**	41,50	7,14	9,0	45511634	*DE625525*	**159,00**	133,60	15,90	19,0
45511232	*DE 212*	**54,00**	41,30	9,52	11,0	45511734	*DE 725*	**184,00**	165,00	11,11	12,5
45511245	*DE 225*	**57,00**	44,30	6,35	8,0	45511759	*DE750625*	**191,00**	159,30	19,00	22,0
45511258	*DE 237*	**61,00**	48,30	6,35	8,0	45511812	*DE800675*	**204,00**	172,30	19,00	22,0
45511271	*DE 250*	**64,00**	46,30	8,85	10,5						

Descrizione:
Guarnizione oleoidraulica a labbro per movimenti alternativi DE. Materiale gomma nitrilica NBR, 90 Sh.

Ole-hydraulic lip seal for alternative movements DE. Material nitrile rubber compound NBR, 90 Sh.

Guarnizione oleoidraulica a labbro UM
Ole-hydraulic lip seal UM

ART.45517 GnuBo



ART. 45517

Dati tecnici / Technical data

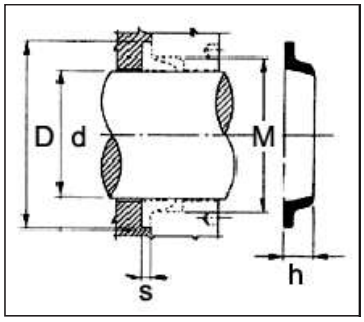
cod. code	tipo kind	D [mm]	d [mm]	H [mm]	cod. code	tipo kind	D [mm]	d [mm]	H [mm]	cod. code	tipo kind	D [mm]	d [mm]	H [mm]
45517087	*UM 125*	**12**	5	5	45517351	*UM 4020*	**40**	20	10	45517615	*UM 8555*	**85**	55	15
45517098	*UM 158*	**15**	8	6	45517362	*UM 4222*	**42**	22	10	45517626	*UM 8565*	**85**	65	10
45517109	*UM 168*	**16**	8	6	45517373	*UM 4225*	**42**	25	8	45517637	*UM 9060*	**90**	60	15
45517120	*UM 176*	**17**	6	6	45517384	*UM 4320*	**43**	20	12	45517648	*UM 9065*	**90**	65	12
45517131	*UM 186*	**18**	6	8	45517395	*UM 4525*	**45**	25	10	45517659	*UM 9070*	**90**	70	10
45517142	*UM 206*	**20**	6	8	45517406	*UM 4530*	**45**	30	10	45517670	*UM 9565*	**95**	65	12
45517153	*UM 258*	**25**	8	6	45517417	*UM 4626*	**46**	26	10	45517681	*UM 9575*	**95**	75	10
45517164	*UM 2210*	**22**	10	6	45517428	*UM 4828*	**48**	28	10	45517692	*UM 10075*	**100**	75	15
45517175	*UM 2412*	**24**	12	6	45517439	*UM 5025*	**50**	25	12	45517703	*UM 10080*	**100**	80	10
45517186	*UM 2610*	**26**	10	8	45517450	*UM 5030*	**50**	30	10	45517714	*UM 10575*	**105**	75	15
45517197	*UM 2812*	**28**	12	10	45517461	*UM 5232*	**52**	32	10	45517725	*UM 10580*	**105**	80	12
45517208	*UM 3010*	**30**	10	10	45517472	*UM 5535*	**55**	35	10	45517736	*UM 10585*	**105**	85	15
45517219	*UM 3013*	**30**	13	10	45517483	*UM 5838*	**58**	38	10	45517747	*UM 11080*	**110**	80	15
45517230	*UM 3015*	**30**	15	8	45517494	*UM 6030*	**60**	30	15	45517758	*UM 11085*	**110**	85	12
45517241	*UM 3214*	**32**	14	10	45517505	*UM 6035*	**60**	35	12	45517769	*UM 11090*	**110**	90	10
45517252	*UM 3216*	**32**	16	8	45517516	*UM 6040*	**60**	40	10	45517780	*UM 11585*	**115**	85	15
45517263	*UM 3418*	**34**	18	8	45517527	*UM 6540*	**65**	40	12	45517791	*UM 11595*	**115**	95	10
45517274	*UM 3512*	**35**	12	12	45517538	*UM 6545*	**65**	45	10	45517800	*UM 12090*	**120**	90	15
45517285	*UM 3515*	**35**	15	10	45517549	*UM 6848*	**68**	48	10	45517802	*UM 120100*	**120**	100	10
45517296	*UM 3616*	**36**	16	10	45517560	*UM 7046*	**70**	46	12	45517815	*UM 12595*	**125**	95	15
45517307	*UM 3620*	**36**	20	8	45517571	*UM 7050*	**70**	50	10	45517824	*UM 125100*	**125**	100	12
45517318	*UM 3817*	**38**	17	10	45517582	*UM 7555*	**75**	55	10	45517846	*UM 130100*	**130**	100	12
45517329	*UM 3818*	**38**	18	10	45517593	*UM 8055*	**80**	55	12	45517857	*UM 150120*	**150**	120	15
45517340	*UM 4018*	**40**	18	10	45517604	*UM 8060*	**80**	60	10					

Descrizione:
Guarnizione oleoidraulica a labbro per movimenti alternativi UM. Materiale gomma nitrilica NBR, 90 Sh.

Ole-hydraulic lip seal for alternative movements UM. Material nitrile rubber compound NBR, 90 Sh.

Guarnizione oleoidraulica a labbro H
Ole-hydraulic lip seal H

ART.45523 GnuBo



Descrizione:
Guarnizione oleoidraulica a labbro per movimenti alternativi H.
Materiale gomma nitrilica NBR, 90 Sh.

Ole-hydraulic lip seal for alternative movements H.
Material nitrile rubber compound NBR, 90 Sh.

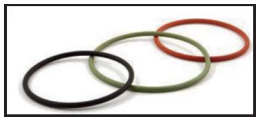
ART. 45523

Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	M [mm]	S [mm]	h [mm]	cod. code	tipo kind	d [mm]	D [mm]	M [mm]	S [mm]	h [mm]
45523012	*H 012*	**3,17**	7,93	6,0	0,50	3,96	45523150	*H 150*	**38,10**	69,85	47,5	2,80	10,31
45523018	*H 018*	**4,76**	11,11	7,5	1,25	3,17	45523162	*H 162*	**41,28**	63,50	51,0	2,80	9,52
45523025	*H 025*	**6,35**	15,87	11,0	2,00	4,76	45523175	*H 175*	**44,45**	69,85	54,0	4,30	11,11
45523031	*H 031*	**7,93**	19,05	12,0	1,25	4,76	45523187	*H 187*	**47,63**	73,03	57,0	2,80	9,52
45523037	*H 037*	**9,52**	22,22	14,0	1,25	4,76	45523200	*H 200*	**50,80**	69,85	57,0	2,80	6,35
45523043	*H 043*	**11,11**	23,81	17,5	2,80	6,35	45523212	*H 212*	**53,98**	76,20	63,5	2,80	9,52
45523050	*H 050*	**12,70**	25,40	18,0	2,80	6,35	45523225	*H 225*	**57,15**	82,55	66,5	2,80	9,52
45523056	*H 056*	**14,28**	27,78	22,0	2,80	9,52	45523237	*H 237*	**60,33**	90,09	70,0	3,00	9,52
45523062	*H 062*	**15,87**	34,93	22,0	2,80	9,52	45523250	*H 250*	**63,50**	79,38	70,0	2,80	9,52
45523068	*H 068*	**17,46**	41,28	29,5	4,30	12,70	45523262	*H 262*	**66,68**	101,60	76,0	2,00	9,52
45523075	*H 075*	**19,05**	38,10	28,0	2,80	9,52	45523275	*H 275*	**69,85**	95,25	76,5	2,80	9,52
45523081	*H 081*	**20,63**	34,93	28,5	2,80	6,35	45523287	*H 287*	**73,03**	98,43	82,5	2,80	9,52
45523087	*H 087*	**22,22**	44,45	32,5	3,50	12,70	45523300	*H 300*	**76,20**	114,30	85,5	4,30	15,87
45523093	*H 093*	**23,81**	45,24	33,5	4,30	12,70	45523325	*H 325*	**82,55**	107,95	92,0	2,80	9,52
45523100	*H 100*	**25,40**	44,45	35,0	2,80	9,52	45523350	*H 350*	**88,90**	133,35	98,5	4,30	12,70
45523112	*H 112*	**28,58**	50,80	38,0	2,80	9,52	45523375	*H 375*	**95,25**	123,80	105,0	4,30	11,90
45523125	*H 125*	**31,75**	74,61	41,0	4,60	12,70	45523400	*H 400*	**101,60**	127,00	111,0	2,80	12,70
45523137	*H 137*	**34,93**	55,05	41,0	2,80	7,93							

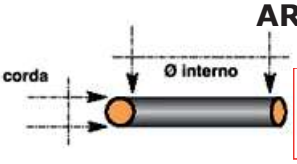
Anello O-Ring
O-Ring

ART.45613 GnuBo



Descrizione:
Anello O-Ring per applicazioni dinamiche e statiche.
Materiale gomma nitrilica NBR,70 Sh.

O-Ring for static and dynamic applications. Material nitrile rubber compound NBR, 70 Sh.



Continua a pagina seguente …

ART. 45613

Dati tecnici / Technical data

cod. code	tipo kind OR	diam. int. int. diam. [mm]	corda body diam. [mm]	cod. code	tipo kind OR	diam. int. int. diam. [mm]	corda body diam. [mm]	cod. code	tipo kind OR	diam. int. int. diam. [mm]	corda body diam. [mm]
45613050	*2007*	**1,78**	1,78	45613090	*2093*	**23,52**	1,78	45613130	*2300*	**75,92**	1,78
45613052	*2010*	**2,57**	1,78	45613092	*2100*	**25,12**	1,78	45613132	*2312*	**79,00**	1,78
45613054	*2012-101*	**2,90**	1,78	45613094	*2106*	**26,70**	1,78	45613134	*2325*	**82,27**	1,78
45613056	*2015-102*	**3,69**	1,78	45613096	*2112*	**28,30**	1,78	45613136	*2350*	**88,62**	1,78
45613058	*2018-103*	**4,47**	1,78	45613098	*2118*	**29,87**	1,78	45613140	*2375*	**94,97**	1,78
45613060	*2021-104*	**5,28**	1,78	45613100	*2125*	**31,47**	1,78	45613142	*2387*	**98,05**	1,78
45613062	*2025-105*	**6,07**	1,78	45613102	*2131*	**33,05**	1,78	45613154	*2525*	**133,07**	1,78
45613064	*106*	**6,75**	1,78	45613104	*2137*	**34,65**	1,78	45613172	*3021*	**5,23**	2,62
45613066	*2031-107*	**7,66**	1,78	45613106	*2150*	**37,82**	1,78	45613174	*3024*	**6,02**	2,62
45613068	*108*	**8,73**	1,78	45613108	*2162*	**41,00**	1,78	45613176	*3030*	**7,60**	2,62
45613070	*2037-110*	**9,25**	1,78	45613110	*2175*	**44,17**	1,78	45613178	*109*	**9,13**	2,62
45613072	*2043*	**10,82**	1,78	45613112	*2187*	**47,35**	1,78	45613180	*3037-111*	**9,19**	2,62
45613074	*114*	**11,11**	1,78	45613114	*2200*	**50,52**	1,78	45613182	*112*	**9,92**	2,62
45613076	*2050*	**12,42**	1,78	45613116	*2212*	**53,70**	1,78	45613184	*3043-113*	**10,78**	2,62
45613078	*2056*	**14,00**	1,78	45613118	*2225*	**56,87**	1,78	45613186	*115*	**11,91**	2,62
45613080	*2062*	**15,60**	1,78	45613120	*2237*	**60,04**	1,78	45613188	*3050-116*	**12,37**	2,62
45613082	*2068*	**17,16**	1,78	45613122	*2250*	**63,22**	1,78	45613190	*117*	**13,10**	2,62
45613084	*2075*	**18,77**	1,78	45613124	*2262*	**66,40**	1,78	45613192	*3056-118*	**13,95**	2,62
45613086	*2081*	**20,35**	1,78	45613126	*2275*	**69,57**	1,78	45613194	*119*	**15,08**	2,62
45613088	*2087*	**21,95**	1,78	45613128	*2287*	**72,75**	1,78	45613196	*3062*	**15,54**	2,62

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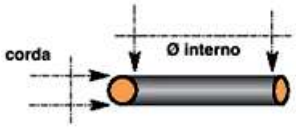
Anello O-Ring
O-Ring

ART.45613 GnuBo



Descrizione:
Anello O-Ring per applicazioni dinamiche e statiche. Materiale gomma nitrilica NBR, 70 Sh.

O-Ring for static and dynamic applications. Material nitrile rubber compound NBR, 70 Sh.

ART. 45613

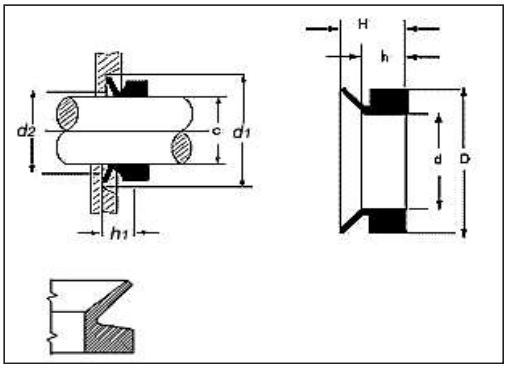
Dati tecnici / Technical data

cod. code	tipo kind OR	diam. int. int. diam. [mm]	corda body diam. [mm]	cod. code	tipo kind OR	diam. int. int. diam. [mm]	corda body diam. [mm]	cod. code	tipo kind OR	diam. int. int. diam. [mm]	corda body diam. [mm]
45613198	121	15,88	2,62	45613368	4150-142	37,70	3,53	45613494	4725	183,75	3,53
45613200	3068-122	17,13	2,62	45613370	144	39,70	3,53	45613496	4750	190,10	3,53
45613202	123	17,86	2,62	45613372	4162	40,87	3,53	45613498	4775	196,45	3,53
45613204	3075-124	18,72	2,62	45613374	146	41,28	3,53	45613500	4800	202,80	3,53
45613206	3081-127	20,29	2,62	45613376	147	42,86	3,53	45613502	4825	209,15	3,53
45613208	128	20,64	2,62	45613378	4175	44,05	3,53	45613504	4850	215,00	3,53
45613210	3087	21,90	2,62	45613380	149	44,45	3,53	45613506	4875	221,85	3,53
45613212	130	22,23	2,62	45613382	150	46,04	3,53	45613508	4900	228,20	3,53
45613214	3093	23,47	2,62	45613384	152	47,62	3,53	45613510	4925	234,55	3,53
45613216	132	23,81	2,62	45613386	4187	47,23	3,53	45613512	4950	240,90	3,53
45613218	3100	25,07	2,62	45613388	153	49,20	3,53	45613514	4975	247,25	3,53
45613220	3106	26,65	2,62	45613390	4200	50,40	3,53	45613516	41000	253,60	3,53
45613222	3112	28,25	2,62	45613392	155	50,80	3,53	45613544	6150-143	37,47	5,34
45613224	3118	29,83	2,62	45613394	156	52,40	3,53	45613546	6162-145	40,65	5,34
45613226	3125	31,42	2,62	45613396	4212	53,57	3,53	45613548	6175-148	43,82	5,34
45613228	3131	33,00	2,62	45613398	158	53,97	3,53	45613550	6187-151	47,00	5,34
45613230	3137	34,60	2,62	45613400	159	55,56	3,53	45613552	6200-154	50,16	5,34
45613232	3143	36,17	2,62	45613402	4225	56,75	3,53	45613554	6212-157	53,34	5,34
45613234	3150	37,77	2,62	45613404	161	57,15	3,53	45613556	6225-160	56,52	5,34
45613236	3156	39,35	2,62	45613406	162	58,74	3,53	45613558	6237-163	59,70	5,34
45613238	3162	40,95	2,62	45613408	4237	59,92	3,53	45613560	6250-166	62,87	5,34
45613240	3168	42,52	2,62	45613410	164	60,32	3,53	45613562	6262-169	66,04	5,34
45613242	3175	44,12	2,62	45613412	165	61,90	3,53	45613564	6275-172	69,22	5,34
45613244	3181	45,70	2,62	45613414	4250	63,10	3,53	45613566	6287-175	72,40	5,34
45613246	3187	47,30	2,62	45613416	167	63,50	3,53	45613568	178	74,63	5,34
45613248	3193	48,90	2,62	45613418	168	65,10	3,53	45613570	6300-179	75,57	5,34
45613250	3200	50,47	2,62	45613420	4262	66,27	3,53	45613572	6312-180	78,74	5,34
45613252	3206	52,07	2,62	45613422	170	66,67	3,53	45613574	181	79,77	5,34
45613254	3212	53,65	2,62	45613424	171	68,26	3,53	45613576	6325-182	81,92	5,34
45613256	3218	55,25	2,62	45613426	4275	69,44	3,53	45613578	6337-183	85,10	5,34
45613258	3225	56,82	2,62	45613428	173	69,85	3,53	45613580	6350-184	88,27	5,34
45613260	3231	58,42	2,62	45613430	174	71,44	3,53	45613582	185	89,69	5,34
45613262	3237	60,00	2,62	45613432	4287	72,62	3,53	45613584	6362-186	91,44	5,34
45613264	3243	61,60	2,62	45613434	176	73,02	3,53	45613586	6375-187	94,62	5,34
45613266	3250	63,17	2,62	45613436	177	74,60	3,53	45613588	6387-188	97,80	5,34
45613268	3256	64,77	2,62	45613438	4300	75,80	3,53	45613590	189	100,00	5,34
45613270	3262	66,35	2,62	45613440	4312	78,97	3,53	45613592	6400-190	100,97	5,34
45613272	3268	67,95	2,62	45613442	4325	82,14	3,53	45613594	6412-191	104,14	5,34
45613274	3275	69,52	2,62	45613444	4337	85,32	3,53	45613596	6425-192	107,32	5,34
45613276	3281	71,12	2,62	45613446	4350	88,50	3,53	45613598	193	109,54	5,34
45613278	3287	72,69	2,62	45613448	4362	91,67	3,53	45613600	6437-194	110,50	5,34
45613280	3300	75,87	2,62	45613450	4375	94,84	3,53	45613602	6450-195	113,67	5,34
45613282	3325	82,22	2,62	45613452	4387	98,02	3,53	45613604	199	117,48	5,34
45613284	3350	88,57	2,62	45613454	4400	101,20	3,53	45613606	201	120,65	5,34
45613286	3375	94,93	2,62	45613456	4412	104,37	3,53	45613608	203	123,83	5,34
45613288	3400	101,27	2,62	45613458	4425	107,54	3,53	45613610	206	127,00	5,34
45613290	3425	107,63	2,62	45613460	4437	110,72	3,53	45613612	208	130,18	5,34
45613292	3450	113,98	2,62	45613462	4450	113,90	3,53	45613614	210	133,35	5,34
45613336	4028	7,52	3,53	45613464	4462	117,07	3,53	45613616	213	136,53	5,34
45613338	4036	9,12	3,53	45613466	4475	120,24	3,53	45613618	215	139,70	5,34
45613339	4050	12,29	3,53	45613468	4487	123,42	3,53	45613620	217	142,88	5,34
45613340	4061	15,47	3,53	45613470	4500	126,60	3,53	45613622	219	146,05	5,34
45613342	4075-125	18,64	3,53	45613472	4512	129,77	3,53	45613664	197	114,70	6,99
45613344	4081-126	20,22	3,53	45613474	4525	132,94	3,53	45613668	8475-200	120,02	6,99
45613346	4087-129	21,82	3,53	45613476	4537	136,12	3,53	45613670	8487-202	123,20	6,99
45613348	4093-131	23,40	3,53	45613478	4550	139,30	3,53	45613674	8500-205	126,37	6,99
45613350	4100-133	25,00	3,53	45613480	4562	142,47	3,53	45613676	8512-207	129,54	6,99
45613352	134	25,80	3,53	45613482	4575	145,65	3,53	45613682	8537-212	135,90	6,99
45613354	4106-135	26,57	3,53	45613484	4587	148,82	3,53	45613690	8587-220	148,60	6,99
45613356	4112-136	28,17	3,53	45613486	4600	152,00	3,53	45613692	8600-222	151,77	6,99
45613358	4118-137	29,75	3,53	45613487	4625	158,35	3,53	45613706	229	168,30	6,99
45613360	4125-138	31,34	3,53	45613488	4650	164,70	3,53	45613718	235	187,30	6,99
45613362	4131-139	32,93	3,53	45613490	4675	171,05	3,53	45613724	8775-238	196,22	6,99
45613364	4137-140	34,52	3,53	45613492	4700	177,40	3,53	45613730	8825-241	208,92	6,99
45613366	4143-141	36,10	3,53								

Anello V-Ring tipo VA
V-Ring type VA

Descrizione:
Anello V-Ring tipo VA.
Materiale gomma nitrilica NBR.

V-Ring type VA. Material nitrile rubber compound NBR.



ART.45653

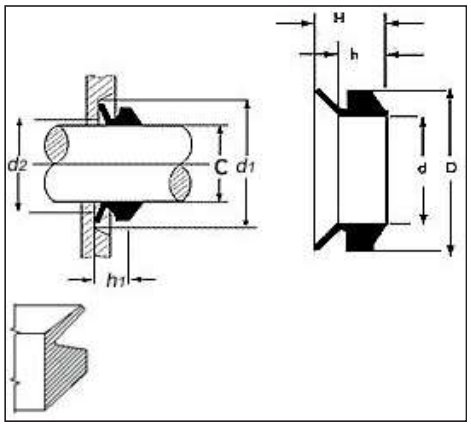
ART. 45653
Dati tecnici / Technical data

cod. code	tipo kind	C [mm]	d [mm]	D [mm]	h [mm]	H [mm]	d1 [mm]	d2 [mm]	h1 [mm]
45653014	*VA 14*	**13,5÷15,5**	12,5	18,5	3,4	5,5	C+9	C+2	4,5±0,6
45653016	*VA 16*	**15,5÷17,5**	14,0	20,0	3,4	5,5	C+9	C+2	4,5±0,6
45653020	*VA 20*	**19÷21**	18,0	26,0	4,7	7,5	C+12	C+2	6±0,8
45653022	*VA 22*	**21÷24**	20,0	28,0	4,7	7,5	C+12	C+2	6±0,8
45653025	*VA 25*	**24÷27**	22,0	30,0	4,7	7,5	C+12	C+2	6±0,8
45653028	*VA 28*	**27÷29**	25,0	33,0	4,7	7,5	C+12	C+3	6±0,8
45653030	*VA 30*	**29÷31**	27,0	35,0	4,7	7,5	C+12	C+3	6±0,8
45653032	*VA 32*	**31÷33**	29,0	37,0	4,7	7,5	C+12	C+3	6±0,8
45653035	*VA 35*	**33÷36**	31,0	39,0	4,7	7,5	C+12	C+3	6±0,8
45653038	*VA 38*	**36÷38**	34,0	42,0	4,7	7,5	C+12	C+3	6±0,8
45653040	*VA 40*	**38÷43**	36,0	46,0	5,5	9,0	C+15	C+3	7±1
45653045	*VA 45*	**43÷48**	40,0	50,0	5,5	9,0	C+15	C+3	7±1
45653050	*VA 50*	**48÷53**	45,0	55,0	5,5	9,0	C+15	C+3	7±1
45653055	*VA 55*	**53÷58**	49,0	59,0	5,5	9,0	C+15	C+3	7±1
45653060	*VA 60*	**58÷63**	54,0	64,0	5,5	9,0	C+15	C+3	7±1
45653065	*VA 65*	**63÷68**	58,0	68,0	5,5	9,0	C+15	C+3	7±1
45653070	*VA 70*	**68÷73**	63,0	75,0	6,8	11,0	C+18	C+4	9±1,2
45653075	*VA 75*	**73÷78**	67,0	79,0	6,8	11,0	C+18	C+4	9±1,2
45653080	*VA 80*	**78÷83**	72,0	84,0	6,8	11,0	C+18	C+4	9±1,2

Anello V-Ring tipo VS
V-Ring type VS

Descrizione:
Anello V-Ring tipo VS.
Materiale gomma nitrilica NBR.

V-Ring type VS. Material nitrile rubber compound NBR.



ART.45658

ART. 45658
Dati tecnici / Technical data

cod. code	tipo kind	C [mm]	d [mm]	D [mm]	h [mm]	H [mm]	d1 [mm]	d2 [mm]	h1 [mm]
45658014	*VS 14*	**13,5÷15,5**	12,5	18,5	5,6	7,7	C+9	C+2	6,7±0,6
45658016	*VS 16*	**15,5÷17,5**	14	20	5,6	7,7	C+9	C+2	6,7±0,6
45658020	*VS 20*	**19÷21**	18	26	7,9	10,5	C+12	C+2	9±0,8
45658022	*VS 22*	**21÷24**	20	28	7,9	10,5	C+12	C+2	9±0,8
45658025	*VS 25*	**24÷27**	22	30	7,9	10,5	C+12	C+2	9±0,8
45658028	*VS 28*	**27÷29**	25	33	7,9	10,5	C+12	C+3	9±0,8
45658030	*VS 30*	**29÷31**	27	35	7,9	10,5	C+12	C+3	9±0,8
45658032	*VS 32*	**31÷33**	29	37	7,9	10,5	C+12	C+3	9±0,8
45658035	*VS 35*	**33÷36**	31	39	7,9	10,5	C+12	C+3	9±0,8
45658038	*VS 38*	**36÷38**	34	42	7,9	10,5	C+12	C+3	9±0,8
45658040	*VS 40*	**38÷43**	36	46	9,5	13	C+15	C+3	11±1
45658045	*VS 45*	**43÷48**	40	50	9,5	13	C+15	C+3	11±1
45658050	*VS 50*	**48÷53**	45	55	9,5	13	C+15	C+3	11±1
45658055	*VS 55*	**53÷58**	49	59	9,5	13	C+15	C+3	11±1
45658060	*VS 60*	**58÷63**	54	64	9,5	13	C+15	C+3	11±1
45658065	*VS 65*	**63÷68**	58	68	9,5	13	C+15	C+3	11±1
45658070	*VS 70*	**68÷73**	63	75	11,3	15,5	C+18	C+4	13,5±1,2
45658075	*VS 75*	**73÷78**	67	79	11,3	15,5	C+18	C+4	13,5±1,2
45658080	*VS 80*	**78÷83**	72	84	11,3	15,5	C+18	C+4	13,5±1,2

Set di guarnizioni OR — OR ring set

ART.45683

ART. 45683

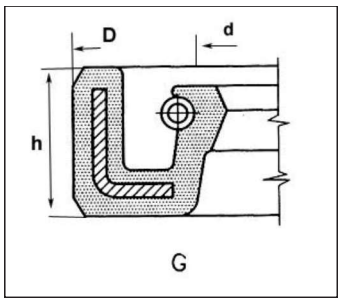
cod. 45683010			cod. 45683020			cod. 45683030		
tipo kind	dimensioni dimensions [mm]	n° pezzi n° pieces	tipo kind	dimensioni dimensions [mm]	n° pezzi n° pieces	tipo kind	dimensioni dimensions [mm]	n° pezzi n° pieces
OR2007	**1,78x1,78**	30	OR3043	**10,78x2,62**	15	OR114	**11,11x1,78**	30
OR2043	**10,82x1,78**	30	OR3050	**12,37x2,62**	15	OR2081	**20,35x1,78**	15
OR2050	**12,42x1,78**	30	OR3056	**13,95x2,62**	15	OR2087	**21,95x1,78**	15
OR2056	**14,00x1,78**	30	OR3062	**15,54x2,62**	10	OR3100	**25,07x2,62**	15
OR2062	**15,60x7,78**	30	OR3068	**17,13x2,62**	10	OR3106	**26,65x2,62**	15
OR2068	**17,16x1,78**	30	OR4075	**18,64x3,35**	10	OR3112	**28,25x2,62**	15
OR2075	**18,77x1,78**	30	OR3075	**18,72x2,62**	10	OR4118	**29,74x3,53**	15
OR2010	**2,57x1,78**	30	OR4081	**20,22x3,53**	10	OR3118	**29,82x2,62**	15
OR2012	**2,90x1,78**	30	OR3081	**20,29x2,62**	10	OR4125	**31,34x3,53**	15
OR2015	**3,69x1,78**	30	OR4087	**21,82x3,53**	10	OR3125	**31,42x2,62**	15
OR2018	**4,47x1,78**	30	OR3087	**21,90x2,62**	10	OR4131	**32,92x3,53**	15
OR2021	**5,28x1,78**	30	OR4093	**23,40x3,53**	10	OR3131	**33,00x2,62**	15
OR2025	**6,07x1,78**	30	OR3093	**23,47x2,62**	10	OR4137	**34,52x3,53**	15
OR2031	**7,66x1,78**	30	OR4100	**24,99x3,53**	10	OR3137	**34,60x2,62**	15
OR3037	**9,19x2,62**	30	OR4106	**26,57x3,53**	10	OR4143	**36,09x3,53**	10
OR2037	**9,25x1,78**	30	OR4112	**28,17x3,53**	10	OR4150	**37,69x3,53**	10

Descrizione:
Set di guarnizioni O-Ring in cassetta di plastica.

O-Ring set in plastic case.

Anello di tenuta per alberi rotanti G
Rotary shaft G oil seal

ART.45807 GnuBo



Descrizione:
Anello di tenuta per alberi rotanti G con supporto metallico interamente ricoperto da elastomero a norma DIN 3760-A ed AS, idoneo a sopportare pressione fino a 0,5-1 Atm. Labbro di tenuta con molla. Materiale gomma nitrilica NBR.

Rotare shaft G oil seal with metal casing completely covered by elastomer according to DIN 3760-A ed AS, suitable to withstand pressures up to 0,5-1 Atm. Seal lip with spring. Material nitrile rubber compound NBR.

ART. 45807

Dati tecnici / Technical data

cod. code	d [mm]	D [mm]	h [mm]	cod. code	d [mm]	D [mm]	h [mm]	cod. code	d [mm]	D [mm]	h [mm]	cod. code	d [mm]	D [mm]	h [mm]	cod. code	d [mm]	D [mm]	h [mm]
45807023	6	16	7	45807179	20	30	7	45807331	30	56	10	45807483	45	60	10	45807627	65	90	10
45807027	6	22	7	45807183	20	32	7	45807335	30	62	7	45807487	45	62	8	45807631	65	100	10
45807031	7	16	7	45807187	20	35	7	45807339	30	62	10	45807491	45	65	8	45807635	68	90	10
45807035	7	22	7	45807191	20	35	10	45807343	32	42	7	45807495	45	65	10	45807639	68	100	10
45807039	8	16	7	45807195	20	40	7	45807347	32	47	7	45807499	45	72	10	45807643	70	90	10
45807043	8	22	7	45807199	20	40	10	45807351	32	50	8	45807503	45	80	10	45807647	70	95	13
45807047	9	22	7	45807203	20	47	10	45807355	32	52	7	45807507	48	72	8	45807651	70	100	10
45807051	10	19	7	45807207	22	32	7	45807359	32	56	10	45807509	50	62	5	45807655	72	95	10
45807055	10	22	7	45807211	22	35	7	45807361	35	47	7	45807511	50	65	8	45807659	72	100	10
45807059	10	24	7	45807215	22	40	7	45807365	35	50	7	45807515	50	68	8	45807663	75	95	10
45807063	10	26	7	45807219	24	35	7	45807369	35	52	7	45807519	50	70	10	45807667	75	100	10
45807067	11	22	7	45807223	24	37	7	45807373	35	56	10	45807523	50	72	8	45807671	75	105	12
45807071	12	22	7	45807227	24	40	7	45807377	35	58	10	45807527	50	80	8	45807675	78	100	10
45807075	12	24	7	45807231	25	35	7	45807381	35	62	7	45807531	50	80	10	45807679	80	100	10
45807079	12	25	4,5	45807233	25	37	7	45807385	35	62	10	45807535	50	90	10	45807683	80	110	10
45807083	12	28	7	45807235	25	38	7	45807389	35	72	10	45807539	52	68	8	45807687	80	120	13
45807087	12	30	7	45807239	25	40	7	45807393	36	47	7	45807543	52	72	8	45807691	85	110	12
45807091	14	24	7	45807243	25	40	10	45807397	36	52	7	45807547	52	80	10	45807695	85	120	13
45807095	14	28	7	45807247	25	42	7	45807401	36	68	10	45807551	55	70	8	45807699	90	110	12
45807099	14	30	7	45807251	25	45	10	45807407	38	52	7	45807555	55	72	10	45807703	90	120	12
45807103	14	35	7	45807255	25	47	7	45807409	38	54	10	45807559	55	75	10	45807707	90	130	12
45807107	15	24	7	45807259	25	47	10	45807413	38	55	7	45807563	55	78	10	45807711	95	120	12
45807111	15	26	7	45807263	25	52	7	45807417	38	62	7	45807567	55	80	10	45807715	95	125	12
45807115	15	30	7	45807267	26	42	7	45807421	38	62	10	45807571	55	85	10	45807717	95	130	12
45807119	15	32	7	45807271	26	47	7	45807425	40	55	7	45807575	56	80	8	45807719	100	120	12
45807123	15	35	7	45807275	28	38	7	45807429	40	56	8	45807579	58	72	8	45807723	100	125	12
45807127	16	28	7	45807279	28	40	7	45807433	40	60	10	45807582	58	80	8	45807727	100	130	12
45807131	16	30	7	45807283	28	47	7	45807437	40	62	7	45807583	58	80	10	45807731	105	130	12
45807135	16	32	7	45807287	28	47	10	45807441	40	62	10	45807587	60	75	8	45807735	105	140	12
45807139	16	35	7	45807291	28	52	7	45807445	40	65	10	45807591	60	80	8	45807739	110	130	12
45807143	17	28	7	45807295	28	52	10	45807449	40	72	7	45807595	60	80	10	45807743	110	140	12
45807147	17	30	7	45807299	30	40	7	45807453	40	72	10	45807599	60	85	8	45807747	115	140	12
45807151	17	32	7	45807303	30	42	7	45807457	40	80	10	45807603	60	85	10	45807751	115	150	12
45807155	17	35	7	45807307	30	45	8	45807461	42	55	7	45807607	60	90	10	45807755	120	160	12
45807157	17	35	10	45807311	30	47	7	45807465	42	56	7	45807611	62	85	10	45807759	125	150	12
45807159	17	40	7	45807315	30	50	10	45807469	42	58	10	45807615	62	90	10	45807763	125	160	12
45807163	18	28	7	45807319	30	52	7	45807471	42	62	8	45807619	63	85	10	45807767	130	160	12
45807167	18	30	7	45807321	30	52	10	45807475	42	72	8	45807621	64	80	8	45807771	130	170	12
45807171	18	32	8	45807323	30	55	7	45807479	45	60	8	45807623	65	85	10	45807775	140	170	12
45807175	18	35	10	45807327	30	55	10									45807779	160	185	10

Anello di tenuta per alberi rotanti GP
Rotary shaft GP oil seal

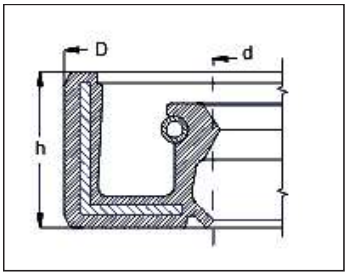
ART.45812

Descrizione:
Anello di tenuta per alberi rotanti GP con supporto metallico interamente ricoperto da elastomero a norma DIN 3760-A ed AS, idoneo a sopportare pressione fino a 0,5-1 Atm. Labbro di tenuta con molla e parapolvere. Materiale gomma nitrilica NBR.

Rotare shaft GP oil seal with metal casing completely covered by elastomer according to DIN 3760-A ed AS, suitable to withstand pressures up to 0,5-1 Atm. Seal lip with spring and dust-protection. Material nitrile rubber compound NBR.

ART. 45812
Dati tecnici / Technical data

cod. code	d [mm]	D [mm]	h [mm]
45812156	**17**	35	8
45812202	**20**	47	7
45812216	**22**	40	8
45812218	**22**	47	7
45812265	**26**	35	7
45812267	**26**	37	7
45812345	**32**	45	7
45812360	**35**	45	7
45812408	**38**	50	7
45812424	**40**	52	7
45812430	**40**	58	10
45812477	**45**	58	7
45812505	**48**	62	8
45812553	**55**	72	8
45812605	**60**	90	8
45812620	**63**	90	10
45812628	**65**	75	8
45812642	**70**	85	8

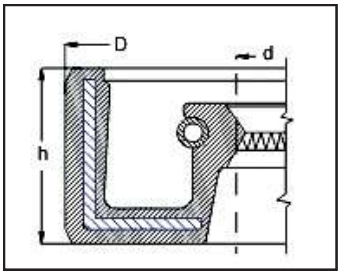


Anello di tenuta per alberi rotanti GZT
Rotary shaft GZT oil seal

ART.45818

Descrizione:
Anello di tenuta per alberi rotanti GZT. Labbro di tenuta con molla, superficie interna con rigatura bidirezionale (destra o sinistra). Materiale gomma nitrilica NBR. Articolo ad esaurimento.

Rotary shaft GZT oil seal. Seal lip with spring, internal surface with bidirectional helixing (right or left). Material nitrile rubber compound NBR. Exhaustion of this item in stock.



ART. 45818
Dati tecnici / Technical data

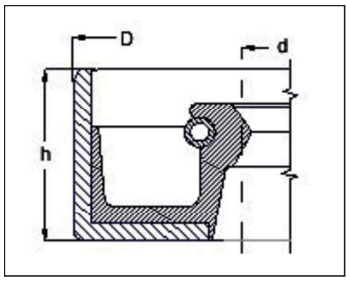
cod. code	d [mm]	D [mm]	h [mm]
45818406	**38**	52	7

Anello di tenuta per alberi rotanti M
Rotary shaft M oil seal

ART.45823

Descrizione:
Anello di tenuta per alberi rotanti M con supporto metallico esterno rettificato o calibrato a norma DIN 3760 corrispondente alle forme B e BS, idoneo a sopportare pressione fino a 0,5-1 Atm. Labbro di tenuta con molla. Materiale gomma nitrilica NBR.

Rotary shaft M oil seal with external metal casing, ground or coined to DIN 3760, designs B and BS, suitable to withstand pressures up to 0,5-1 Atm. Seal lip with spring. Material nitrile rubber compound NBR.



ART. 45823
Dati tecnici / Technical data

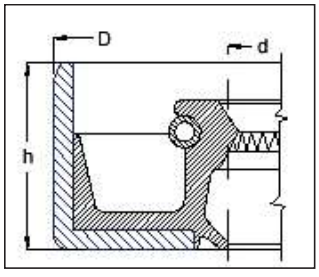
cod. code	d [mm]	D [mm]	h [mm]
45823407	**38**	52	10

Anello di tenuta per alberi rotanti MPZT
Rotary shaft MPZT oil seal

ART.45829

Descrizione:
Anello di tenuta per alberi rotanti MPZT. Labbro di tenuta con molla, superficie conica interna con rigatura bidirezionale (destra o sinistra) e con parapolvere. Materiale gomma nitrilica NBR.

Rotary shaft MPZT oil seal lip with spring, internal conical surface with bidirectional helixing (right or left) and with dust-protection. Material nitrile rubber compound NBR.

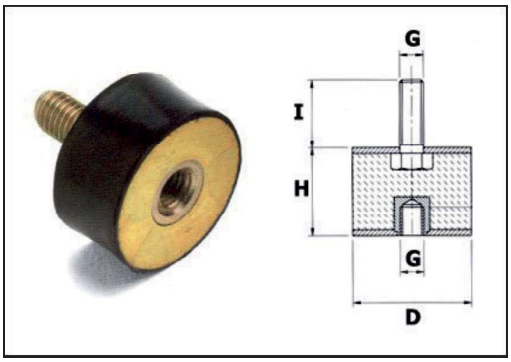


ART. 45829
Dati tecnici / Technical data

cod. code	d [mm]	D [mm]	h [mm]
45829426	**40**	55	10

Antivibrante cilindrico MF
Cylindrical shock absorber MF

ART.45905 GnuBo



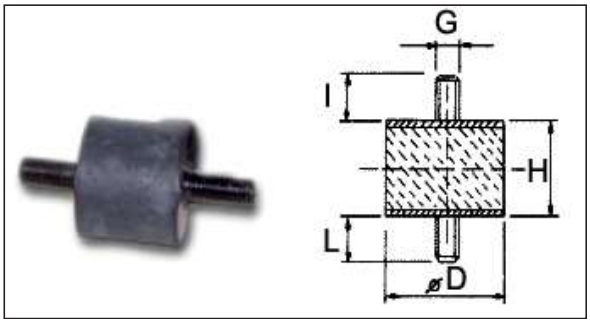
ART. 45905				
Dati tecnici / Technical data				
cod. code	D [mm]	H [mm]	G	I [mm]
45905127	**20**	20	M 6	14
45905145	**20**	25	M 6	14
45905163	**25**	20	M 6	18
45905181	**25**	30	M 6	18
45905199	**30**	20	M 8	23
45905217	**30**	30	M 8	23
45905235	**40**	30	M 8	23
45905253	**40**	40	M 8	23
45905289	**50**	30	M 10	23
45905307	**50**	40	M 10	23
45905325	**50**	50	M 10	23
45905343	**60**	40	M 10	33
45905361	**75**	40	M 12	47

Descrizione:
Antivibrante cilindrico, esecuzione maschio - femmina MF.
Materiale gomma nitrilica NBR. Può lavorare a sola compressione, a taglio, a torsione o a queste sollecitazioni diversamente combinate.
Il carico statico ammesso per sola compressione con scarse sollecitazioni dinamiche e a bassa frequenza è di 10-12 Kg/cm².
Il carico max ammesso per sollecitazioni dinamiche con frequenze superiori a 300 min. è di 4 kg/cm².

Cylindrical shock absorber, MF male - female kind. Material nitrile rubber compound NBR. It can work with just compressive, shearing, torsional stress or with this stress combined. The static load allowed with just compression with low dynamic stress and with low frequence is 10-12 Kg/cm². The maximum load allowed for dynamic stress with frequences more than 300 min is of 4 kg/cm².

Antivibrante cilindrico MM
Cylindrical shock absorber MM

ART.45907 GnuBo



ART. 45907					
Dati tecnici / Technical data					
cod. code	D [mm]	H [mm]	G	I [mm]	L [mm]
45907127	**20**	20	M 6	14	14
45907145	**20**	25	M 6	14	14
45907163	**25**	20	M 6	18	18
45907181	**25**	30	M 6	18	18
45907199	**30**	20	M 8	23	23
45907217	**30**	30	M 8	23	23
45907235	**40**	30	M 8	23	23
45907253	**40**	40	M 8	23	23
45907271	**50**	20	M 10	23	23
45907289	**50**	30	M 10	23	23
45907307	**50**	40	M 10	23	23
45907325	**50**	50	M 10	23	23
45907343	**60**	40	M 12	33	33
45907361	**75**	40	M 12	47	47
45907379	**75**	50	M 12	47	47
45907397	**75**	60	M 12	47	47

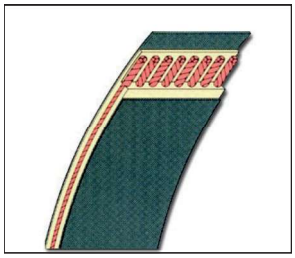
Descrizione:
Antivibrante cilindrico, esecuzione maschio - maschio MM.
Materiale gomma nitrilica NBR. Può lavorare a sola compressione, a taglio, a torsione o a queste sollecitazioni diversamente combinate.
Il carico statico ammesso per sola compressione con scarse sollecitazioni dinamiche e a bassa frequenza è di 10-12 Kg/cm².
Il carico max ammesso per sollecitazioni dinamiche con frequenze superiori a 300 min è di 4 kg/cm².

Cylindrical shock absorber, MM male - male kind.
Material nitrile rubber compound NBR. It can work with just compressive, shearing, torsional stress or with this stress combined.
The static load allowed with just compression with low dynamic stress and with low frequence is 10-12 Kg/cm².
The maximum load allowed for dynamic stress with frequences more than 300 min is of 4 kg/cm².

Cinghie - Cinghie piatte - Cinghie trapezoidali convenzionali

Cinghia piatta a struttura composita
Flat belt with composite structure

ART.48003 GnuBo



Descrizione:
Cinghia piatta a struttura composita ad anello continuo, costituita da un nucleo di fibra sintetica, da un tessuto ad anello senza interruzione ad altissima resistenza e protetto sulle due facce da un leggero strato di gomma neoprenica. Resiste al calore, all'azione rigonfiante di oli minerali e vegetali, agli idrocarburi e agli acidi, e' elettroconduttrice e inestensibile, sopporta carichi elevati e forti velocità lineari.

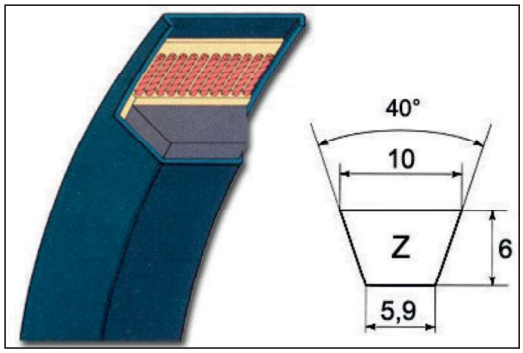
Continuous ring flat belt with composite structure, made by a synthetic fiber body, weaved in an endless ring, very high resistant and protected on both sides with a light coat of neoprene rubber. Resistant to hot, to the swelling action of mineral and vegetal oils, to hydrocarbons and to acids, it is electrically conductor and inextensible, it bears heavy loads and high linear speeds.

ART. 48003			
Dati tecnici / Technical data			
cod. code	lunghezza* length* [mm] ±1,5	larghezza width [mm] ±0,5	spessore thickness [mm] ±0,2
48003048	**480**	20	1,2
48003070	**700**	20	1,2
48003078	**780**	20	1,2
48003080	**800**	20	1,2
48003084	**840**	40	1,2
48003086	**860**	20	1,2
48003089	**890**	20	1,2
48003098	**980**	20	1,2
48003110	**1100**	40	1,2
48003180	**1800**	30	1,2
48003290	**2900**	70	1,2
* = lunghezza nominale alla tensione di 10 kg/cm			
* = nominal length at tension 10 kg/cm			

Cinghie - Cinghie trapezoidali convenzionali

Cinghia trapezoidale convenzionale Z
Trapezoidal conventional belt Z

ART.48053 GnuBo



ART. 48053				
Dati tecnici / Technical data				
cod. code	lunghezza interna internal length ["]	[mm]	lungh. esterna external length [mm]	lungh. primitiva pitch line [mm]
48053083	**Z 14**	355	393	380
48053095	**Z 16**	410	448	435
48053107	**Z 17**	432	470	457
48053119	**Z 18**	460	498	485
48053131	**Z 19**	480	518	505
48053143	**Z 19 1/2**	500	538	525
48053155	**Z 20 1/2**	520	558	545
48053167	**Z 21 1/2**	545	583	570
48053175	**Z 22**	560	598	585
48053187	**Z 23**	585	623	610
48053191	**Z 23**	605	643	630
48053200	**Z 24**	610	648	635
48053215	**Z 25**	635	673	660
48053227	**Z 27**	685	723	710
48053239	**Z 28**	710	748	735
48053251	**Z 29 1/2**	750	788	775
48053263	**Z 30 1/2**	775	813	800
48053275	**Z 30 3/4**	785	823	810
48053287	**Z 32**	815	853	840
48053299	**Z 33**	840	878	865
48053323	**Z 34 1/4**	870	908	895
48053335	**Z 35**	890	928	915
48053341	**Z 36**	915	953	940
48053347	**Z 37**	940	978	965
48053359	**Z 38**	965	1003	990
48053365	**Z 40**	1016	1054	1041
48053371	**Z 40 1/2**	1030	1068	1055
48053375	**Z 41**	1041	1079	1066
48053383	**Z 42**	1070	1108	1095
48053395	**Z 44**	1120	1158	1145
48053407	**Z 46**	1143	1181	1168
48053419	**Z 48**	1225	1263	1250
48053431	**Z 50**	1270	1308	1295
48053443	**Z 51**	1300	1338	1325
48053455	**Z 52**	1320	1358	1345
48053467	**Z 55**	1400	1438	1425
48053479	**Z 57**	1450	1488	1475
48053491	**Z 58**	1473	1511	1498
48053503	**Z 59**	1499	1537	1524
48053515	**Z 68 1/2**	1735	1773	1760
Lunghezza esterna = Lunghezza interna + mm 38				
External length = Internal length + mm 38				
Lunghezza primitiva = Lunghezza interna + mm 25				
Pitch line = Internal length + mm 25				

Descrizione:
Cinghia trapezoidale per trasmissioni industriali a sezione convenzionale Z (mm 10 x 6), a norma DIN 2215, ISO 4184.
L'uso di inserti in poliestere permette di ottenere elevate prestazioni, stabilità di sviluppo, elettroconducibilità (ISO 1813), resistenza agli oli ed al calore, intervallo di temperatura di esercizio da -40°C a +90°C. Peso teorico 0,065 kg/ml.
Diametro primitivo minimo consigliato della puleggia mm 63.

Trapezoidal belt for industrial transmissions with conventional section Z (mm 10 x 6), according to DIN 2215, ISO 4184.
The use of polyester inserts allows to obtain high performance, dimensional stability, electro-conductivity (ISO 1813), oil and heat resistance, working temperature range from -40°C to + 90°C.
Theorical weight 0,065 kg/ml.
Minimum pitch diameter suggested of pulley mm 63.

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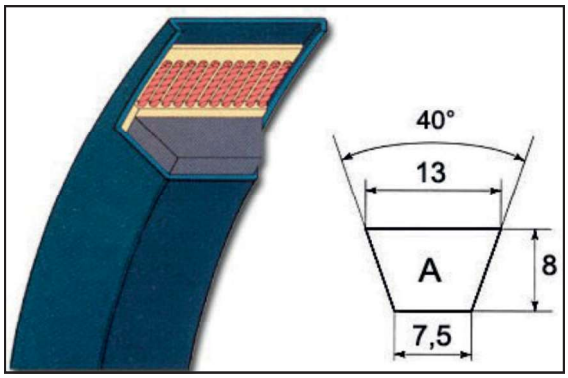
Cinghia trapezoidale convenzionale A
Trapezoidal conventional belt A

ART.48056 GnuBo



Descrizione:
Cinghia trapezoidale per trasmissioni industriali a sezione convenzionale A (mm 13 x 8), a norma DIN 2215, ISO 4184.
L'uso di inserti in poliestere permette di ottenere elevate prestazioni, stabilità di sviluppo, elettroconducibilità (ISO 1813), resistenza agli oli ed al calore, intervallo di temperatura di esercizio da -40°C a +90°C.
Peso teorico 0,112 kg/ml.
Diametro primitivo minimo consigliato della puleggia mm 90.

Trapezoidal belt for industrial transmissions with conventional section A (mm 13 x 8), according to DIN 2215, ISO 4184.
The use of polyester inserts allows to obtain high performance, dimensional stability, electro-conductivity (ISO 1813), oil and heat resistance, working temperature range from -40°C to + 90°C.
Theorical weight 0,112 kg/ml.

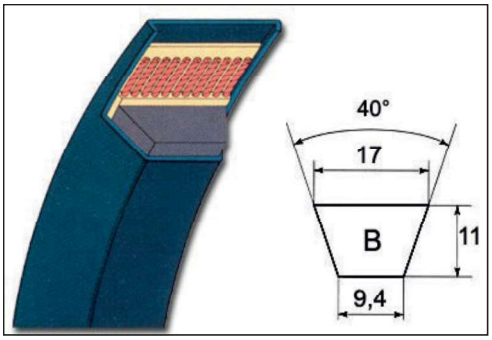
ART. 48056

Dati tecnici / Technical data

cod. code	lungh. interna internal length ["]	lungh. interna internal length [mm]	lungh. esterna external length [mm]	lungh. primitiva pitch line [mm]	cod. code	lungh. interna internal length ["]	lungh. interna internal length [mm]	lungh. esterna external length [mm]	lungh. primitiva pitch line [mm]
48056043	A 18	457	507	490	48056379	A 66	1676	1726	1709
48056050	A 19	480	530	513	48056386	A 67	1700	1750	1733
48056057	A 20	508	558	541	48056393	A 68	1725	1775	1758
48056064	A 21	535	585	568	48056400	A 69	1750	1800	1783
48056071	A 22	560	610	593	48056407	A 70	1775	1825	1808
48056078	A 23	587	637	620	48056414	A 71	1800	1850	1833
48056085	A 24	610	660	643	48056421	A 72	1825	1875	1858
48056092	A 25	637	687	670	48056428	A 73	1854	1904	1887
48056099	A 26	660	710	693	48056435	A 74	1880	1930	1913
48056106	A 27	686	736	719	48056442	A 75	1905	1955	1938
48056113	A 28	710	760	743	48056449	A 76	1930	1980	1963
48056120	A 29	737	787	770	48056456	A 77	1956	2006	1989
48056127	A 30	762	812	795	48056463	A 78	1980	2030	2013
48056134	A 31	787	837	820	48056470	A 80	2032	2082	2065
48056141	A 32	813	863	846	48056477	A 81	2060	2110	2093
48056148	A 33	838	888	871	48056484	A 82	2083	2133	2116
48056155	A 34	863	913	896	48056491	A 83	2100	2150	2133
48056162	A 35	890	940	923	48056498	A 84	2134	2184	2167
48056169	A 36	914	964	947	48056505	A 85	2160	2210	2193
48056176	A 37	940	990	973	48056512	A 86	2187	2237	2220
48056183	A 38	965	1015	998	48056519	A 87	2212	2262	2245
48056190	A 39	990	1040	1023	48056526	A 90	2286	2336	2319
48056197	A 40	1016	1066	1049	48056533	A 92	2337	2387	2370
48056204	A 41	1041	1091	1074	48056540	A 93	2360	2410	2393
48056211	A 42	1067	1117	1100	48056547	A 96	2438	2488	2471
48056218	A 43	1092	1142	1125	48056551	A 97	2464	2514	2497
48056225	A 44	1120	1170	1153	48056554	A 98	2490	2540	2523
48056232	A 45	1143	1193	1176	48056561	A 100	2540	2590	2573
48056239	A 46	1168	1218	1201	48056568	A 102	2591	2641	2624
48056246	A 47	1194	1244	1227	48056575	A 104	2641	2691	2674
48056253	A 48	1220	1270	1253	48056582	A 105	2667	2717	2700
48056260	A 49	1250	1300	1283	48056589	A 108	2743	2793	2776
48056267	A 50	1270	1320	1303	48056596	A 110	2800	2850	2833
48056274	A 51	1300	1350	1333	48056603	A 112	2845	2895	2878
48056281	A 52	1320	1370	1353	48056610	A 113	2870	2920	2903
48056288	A 53	1346	1396	1379	48056617	A 114	2896	2946	2929
48056295	A 54	1372	1422	1405	48056624	A 118	3000	3050	3033
48056302	A 55	1400	1450	1433	48056631	A 120	3048	3098	3081
48056309	A 56	1422	1472	1455	48056638	A 124	3150	3200	3183
48056316	A 57	1450	1500	1483	48056645	A 126	3200	3250	3233
48056323	A 58	1475	1525	1508	48056652	A 128	3250	3300	3283
48056330	A 59	1500	1550	1533	48056659	A 130	3302	3352	3335
48056337	A 60	1525	1575	1558	48056673	A 134	3404	3454	3437
48056344	A 61	1550	1600	1583	48056690	A 140	3550	3600	3583
48056351	A 62	1575	1625	1608	48056707	A 144	3658	3708	3691
48056358	A 63	1600	1650	1633	48056724	A 148	3759	3809	3792
48056365	A 64	1625	1675	1658	48056741	A 158	4000	4050	4033
48056372	A 65	1650	1700	1683	48056768	A 180	4572	4622	4605

Cinghia trapezoidale convenzionale B
Trapezoidal conventional belt B

ART.48059



Descrizione:
Cinghia trapezoidale per trasmissioni industriali a sezione convenzionale B (mm 17 x 11), a norma DIN 2215, ISO 4184. L'uso di inserti in poliestere permette di ottenere elevate prestazioni, stabilità di sviluppo, elettroconducibilità (ISO 1813), resistenza agli oli ed al calore, intervallo di temperatura di esercizio da -40°C a +90°C. Peso teorico 0,198 kg/ml.
Diametro primitivo minimo consigliato della puleggia mm 140.

Trapezoidal belt for industrial transmissions with conventional section B (mm 17 x 11), according to DIN 2215, ISO 4184. The use of polyester inserts allows to obtain high performance, dimensional stability, electro-conductivity (ISO 1813), oil and heat resistance, working temperature range from -40°C to + 90°C. Theorical weight 0,198 kg/ml. Minimum pitch diameter suggested of pulley mm 140.

ART. 48059

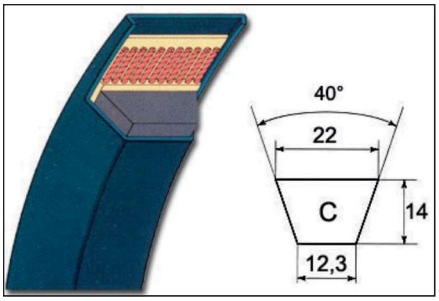
Dati tecnici / Technical data

cod. code	lungh. interna internal length ["]	lungh. interna internal length [mm]	lungh. esterna external length [mm]	lungh. primitiva pitch line [mm]	cod. code	lungh. interna internal length ["]	lungh. interna internal length [mm]	lungh. esterna external length [mm]	lungh. primitiva pitch line [mm]
48059043	B 23	587	656	630	48059386	B 76	1930	1999	1973
48059050	B 24	612	681	655	48059393	B 78	1981	2050	2024
48059057	B 26	660	729	703	48059400	B 80	2032	2101	2075
48059064	B 28	710	779	753	48059407	B 81	2060	2129	2103
48059071	B 29	737	806	780	48059414	B 82	2083	2152	2126
48059078	B 30	762	831	805	48059421	B 83	2108	2177	2151
48059085	B 31	787	856	830	48059428	B 84	2134	2203	2177
48059092	B 32	800	869	843	48059435	B 85	2160	2229	2203
48059099	B 33	838	907	881	48059442	B 87	2215	2284	2258
48059106	B 34	863	932	906	48059449	B 89	2261	2330	2304
48059113	B 35	889	958	932	48059456	B 90	2286	2355	2329
48059120	B 36	917	986	960	48059463	B 91	2312	2381	2355
48059127	B 37	942	1011	985	48059470	B 92	2337	2406	2380
48059134	B 38	965	1034	1008	48059477	B 94	2388	2457	2431
48059141	B 39	990	1059	1033	48059484	B 95	2413	2482	2456
48059148	B 40	1016	1085	1059	48059491	B 96	2438	2507	2481
48059155	B 41	1040	1109	1083	48059498	B 97	2465	2534	2508
48059162	B 42	1067	1136	1110	48059505	B 98	2500	2569	2543
48059169	B 43	1090	1159	1133	48059512	B 100	2540	2609	2583
48059176	B 44	1120	1189	1163	48059519	B 102	2600	2669	2643
48059183	B 45	1142	1211	1185	48059526	B 103	2616	2685	2659
48059190	B 46	1168	1237	1211	48059533	B 104	2641	2710	2684
48059197	B 47	1194	1263	1237	48059540	B 105	2667	2736	2710
48059204	B 48	1220	1289	1263	48059542	B 106	2700	2769	2743
48059211	B 49	1250	1319	1293	48059547	B 108	2750	2819	2793
48059218	B 50	1275	1344	1318	48059554	B 110	2800	2869	2843
48059225	B 51	1300	1369	1343	48059561	B 112	2845	2914	2888
48059232	B 52	1320	1389	1363	48059568	B 114	2900	2969	2943
48059239	B 53	1350	1419	1393	48059575	B 116	2950	3019	2993
48059246	B 54	1372	1441	1415	48059582	B 118	3000	3069	3043
48059253	B 55	1400	1469	1443	48059589	B 120	3048	3117	3091
48059260	B 56	1422	1491	1465	48059596	B 124	3150	3219	3193
48059267	B 57	1450	1519	1493	48059603	B 127	3227	3296	3270
48059274	B 58	1473	1542	1516	48059610	B 128	3250	3319	3293
48059281	B 59	1500	1569	1543	48059617	B 130	3302	3371	3345
48059288	B 60	1525	1594	1568	48059629	B 135	3429	3498	3472
48059291	B 61	1550	1619	1593	48059641	B 136	3450	3519	3493
48059295	B 62	1575	1644	1618	48059653	B 140	3550	3619	3593
48059300	B 63	1600	1669	1643	48059659	B 142	3607	3676	3650
48059302	B 64	1625	1694	1668	48059665	B 144	3658	3727	3701
48059309	B 65	1650	1719	1693	48059670	B 148	3750	3819	3793
48059316	B 66	1676	1745	1719	48059677	B 152	3861	3930	3904
48059323	B 67	1700	1769	1743	48059689	B 154	3912	3981	3955
48059330	B 68	1725	1794	1768	48059701	B 158	4000	4069	4043
48059337	B 69	1750	1819	1793	48059713	B 162	4115	4184	4158
48059344	B 70	1775	1844	1818	48059725	B 168	4267	4336	4310
48059351	B 71	1800	1869	1843	48059737	B 173	4394	4463	4437
48059358	B 72	1829	1898	1872	48059749	B 175	4450	4519	4493
48059365	B 73	1850	1919	1893	48059761	B 180	4572	4641	4615
48059372	B 74	1880	1949	1923	48059773	B 192	4877	4946	4920
48059379	B 75	1905	1974	1948	48059785	B 195	4953	5022	4996

Lunghezza esterna = Lunghezza interna + mm 69
External length = Internal length + mm 69
Lunghezza primitiva = Lunghezza interna + mm 43
Pitch line = Internal length + mm 43

Cinghia trapezoidale convenzionale C
Trapezoidal conventional belt C

ART.48062 GnuBo



ART. 48062

Dati tecnici / Technical data

cod. code	lungh. interna internal length ["]	lungh. interna internal length [mm]	lungh. esterna external length [mm]	lungh. primitiva pitch line [mm]	cod. code	lungh. interna internal length ["]	lungh. interna internal length [mm]	lungh. esterna external length [mm]	lungh. primitiva pitch line [mm]
48062083	C 48	1220	1308	1282	48062304	C 124	3150	3238	3212
48062100	C 51	1295	1383	1357	48062321	C 128	3250	3338	3312
48062117	C 68	1727	1815	1789	48062338	C 130	3302	3390	3364
48062134	C 70	1778	1866	1840	48062355	C 134	3404	3492	3466
48062151	C 75	1905	1993	1967	48062372	C 136	3456	3544	3518
48062168	C 80	2032	2120	2094	48062389	C 138	3505	3593	3567
48062185	C 85	2159	2247	2221	48062406	C 140	3550	3638	3612
48062202	C 90	2286	2374	2348	48062423	C 144	3658	3746	3720
48062219	C 96	2438	2526	2500	48062440	C 158	4000	4088	4062
48062236	C 105	2667	2755	2729	48062457	C 162	4115	4203	4177
48062253	C 112	2845	2933	2907	48062474	C 166	4216	4304	4278
48062270	C 116	2950	3038	3012	48062491	C 180	4572	4660	4634
48062287	C 118	3000	3088	3062	48062508	C 195	4953	5041	5015

Lunghezza esterna = Lunghezza interna + mm 88
External length = Internal length + mm 88
Lunghezza primitiva = Lunghezza interna + mm 62
Pitch line = Internal length + mm 62

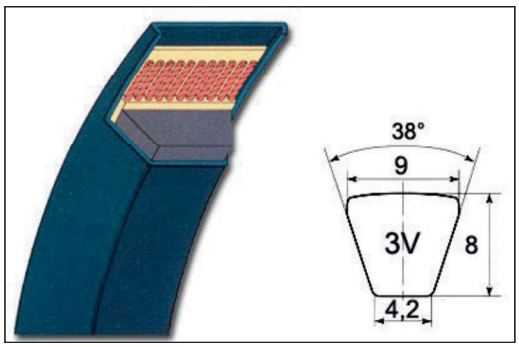
Descrizione:
Cinghia trapezoidale per trasmissioni industriali a sezione convenzionale C (mm 22 x 14), a norma DIN 2215, ISO 4184. L'uso di inserti in poliestere permette di ottenere elevate prestazioni, stabilità di sviluppo, elettroconducibilità (ISO 1813), resistenza agli oli ed al calore, intervallo di temperatura di esercizio da -40°C a +90°C. Peso teorico 0,330 kg/ml. Diametro primitivo minimo consigliato della puleggia mm 200.

Trapezoidal belt for industrial transmissions with conventional section C (mm 22 x 14), according to DIN 2215, ISO 4184.
The use of polyester inserts allows to obtain high performance, dimensional stability, electro-conductivity (ISO 1813), oil and heat resistance, working temperature range from -40°C to + 90°C. Theorical weight 0,330 kg/ml. Minimum pitch diameter suggested of pulley mm 200.

Cinghie - Cinghie trapezoidali strette USA

Cinghia trapezoidale stretta 3V
Trapezoidal narrow belt 3V

ART.48103 GnuBo



ART. 48103

Dati tecnici / Technical data

cod. code	lungh. esterna external length ["/10]	lungh. esterna external length [mm]	lungh. interna internal length [mm]
48103085	3V 355	900	858
48103103	3V 375	955	913
48103121	3V 425	1080	1038
48103139	3V 600	1525	1483
48103487	3V 800	2030	1988
48103521	3V 850	2160	2118
48103555	3V 900	2285	2243
48103589	3V 950	2415	2373
48103623	3V 1060	2690	2648

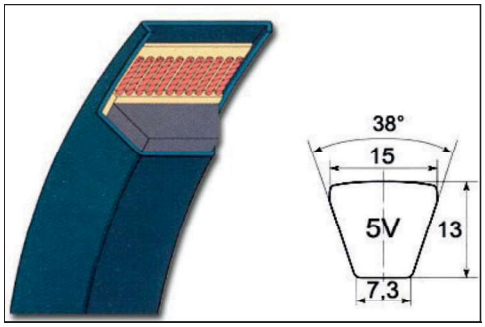
Lunghezza interna = Lunghezza esterna - mm 42
Internal length = External length - mm 42

Descrizione:
Cinghia trapezoidale per trasmissioni industriali a sezione stretta tipo USA 3V (mm 9 x 8), a norma RMA/MPTA IP22 - A3AE S 211-4. L'uso di inserti in poliestere permette di ottenere elevate prestazioni, stabilità di sviluppo, elettroconducibilità (ISO 1813), resistenza agli oli ed al calore, intervallo di temperatura di esercizio da -30°C a +80°C.
E' indicata dove esistono condizioni di carico pesanti o limiti tecnici. Peso teorico 0,070 kg/ml. Diametro primitivo minimo consigliato della puleggia mm 63.

Trapezoidal belt for industrial transmissions with narrow section type USA 3V (mm 9 x 8), according to RMA/MPTA IP22 - A3AE S 211-4. The use of polyester inserts allows to obtain high performance, dimensional stability, electro-conductivity (ISO 1813), oil and heat resistance, working temperature range from -30°C to + 80°C. It is used when there is heavy load conditions or tecnical limits. Theorical weight 0,070 kg/ml.
Minimum pitch diameter suggested of pulley mm 63.

Cinghia trapezoidale stretta 5V
Trapezoidal narrow belt 5V

ART.48106 GnuBo



ART. 48106

Dati tecnici / Technical data

cod. code	lunghezza esterna external length ["/10]	lunghezza esterna external length [mm]	lungh. interna internal length [mm]
48106555	5V 900	2285	2214

Lunghezza interna = Lunghezza esterna - mm 71
Internal length = External length - mm 71

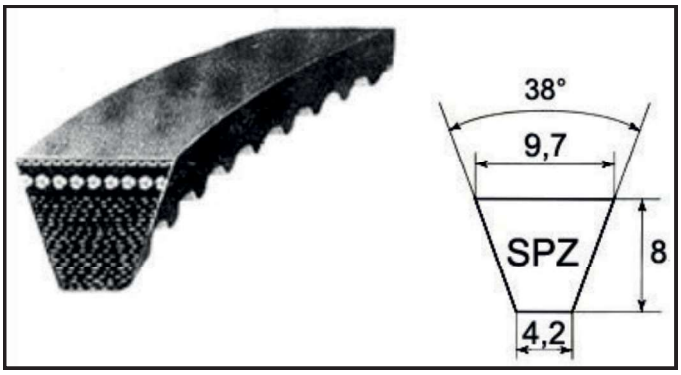
Descrizione:
Cinghia trapezoidale per trasmissioni industriali a sezione stretta tipo USA 5V (mm 15 x 13), a norma RMA/MPTA IP22 - A3AE S 211-4.
L'uso di inserti in poliestere permette di ottenere elevate prestazioni, stabilità di sviluppo, elettroconducibilità (ISO 1813), resistenza agli oli ed al calore, intervallo di temperatura di esercizio da -30°C a +80°C. E' indicata dove esistono condizioni di carico pesanti o limiti tecnici. Peso teorico 0,185 kg/ml.
Diametro primitivo minimo consigliato della puleggia mm 100.

Trapezoidal belt for industrial transmissions with narrow section type USA 5V (mm 15 x 13), according to RMA/MPTA IP22 - A3AE S 211-4.
The use of polyester inserts allows to obtain high performance, dimensional stability, electro-conductivity (ISO 1813), oil and heat resistance, working temperature range from -30°C to + 80°C. It is used when there is heavy load conditions or tecnical limits.
Theorical weight 0,185 kg/ml. Minimum pitch diameter suggested of pulley mm 100.

Cinghia trapezoidale stretta dentellata FTD-SPZ
Trapezoidal narrow serrated belt FTD-SPZ

ART.48131 GnuBo

ART. 48131			
Dati tecnici / Technical data			
cod. code	lungh. primitiva pitch line [mm]	lungh. esterna external length [mm]	lungh. interna internal length [mm]
48131130	**FTD-SPZ 630**	643	592
48131137	**FTD-SPZ 637**	650	599
48131158	**FTD-SPZ 687**	700	649
48131179	**FTD-SPZ 737**	750	699
48131207	**FTD-SPZ 800**	813	762
48131228	**FTD-SPZ 850**	863	812
48131235	**FTD-SPZ 862**	875	824
48131242	**FTD-SPZ 887**	900	849
48131249	**FTD-SPZ 900**	913	862
48131256	**FTD-SPZ 912**	925	874
48131280	**FTD-SPZ 987**	1000	949
48131284	**FTD-SPZ 1000**	1013	962
48131333	**FTD-SPZ 1120**	1133	1082
48131347	**FTD-SPZ 1147**	1160	1109
48131368	**FTD-SPZ 1180**	1193	1142
48131389	**FTD-SPZ 1212**	1225	1174
48131396	**FTD-SPZ 1237**	1250	1199
48131438	**FTD-SPZ 1312**	1325	1274
48131452	**FTD-SPZ 1337**	1350	1299
48131473	**FTD-SPZ 1400**	1413	1362
48131550	**FTD-SPZ 1612**	1625	1574
48131599	**FTD-SPZ 1787**	1800	1749
48131620	**FTD-SPZ 1850**	1863	1812
48131634	**FTD-SPZ 1887**	1900	1849
48131655	**FTD-SPZ 1962**	1975	1924
48131662	**FTD-SPZ 1987**	2000	1949
48131704	**FTD-SPZ 2500**	2513	2462
Lunghezza interna = Lunghezza esterna - mm 51			
Internal length = External length - mm 51			
Lunghezza primitiva = Lunghezza esterna - mm 13			
Pitch line = External length - mm 13			



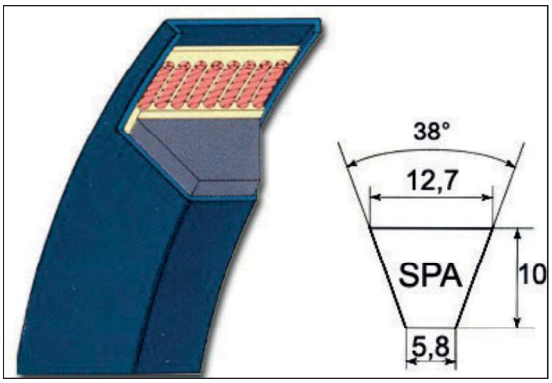
Descrizione:
Cinghia trapezoidale per trasmissioni industriali a sezione stretta tipo DIN SPZ (mm 9,7 x 8) a fianchi tagliati dentellate, a norma DIN 7753, ISO 4184. L'uso di inserti in poliestere permette di ottenere elevate prestazioni, stabilità di sviluppo, la dentellatura consente una maggiore flessibilità e dispersione del calore, elettroconducibilità (ISO 1813), resistenza agli oli ed al calore, intervallo di temperatura di esercizio da -30° C a +80°C. E' indicata dove esistono condizioni di carico pesanti o limiti tecnici. Peso teorico 0,070 kg/ml.
Diametro primitivo minimo consigliato della puleggia mm 56.

Trapezoidal serrated belt for industrial transmissions with narrow section type DIN FTD-SPZ (mm 9,7 x 8), with cutted sides, according to DIN 7753, ISO 4184. The use of polyester inserts allows to obtain high performance, dimensional stability, the serrated profile allows better flexibility and heat dispersion, electro-conductivity (ISO 1813), oil and heat resistance, working temperature range from -30°C to + 80°C.
It is used when there is heavy load conditions or tecnical limits.
Theorical weight 0,070 kg/ml.
Minimum pitch diameter suggested of pulley mm 56.

Cinghia trapezoidale stretta SPA
Trapezoidal narrow belt SPA

ART.48136 GnuBo

ART. 48136			
Dati tecnici / Technical data			
cod. code	lungh. primitiva pitch line [mm]	lungh. esterna external length [mm]	lungh. interna internal length [mm]
48136305	**SPA 1060**	1078	1015
48136473	**SPA 1400**	1418	1355
48136487	**SPA 1432**	1450	1387
48136725	**SPA 2732**	2750	2687
Lunghezza interna = Lunghezza esterna - mm 63			
Internal length = External length - mm 63			
Lunghezza primitiva = Lunghezza esterna - mm 18			
Pitch line = External length - mm 18			

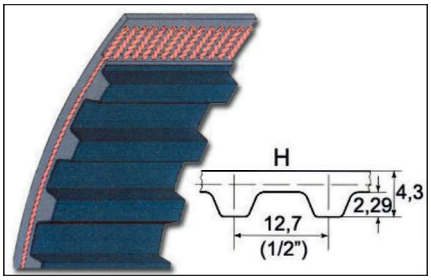


Descrizione:
Cinghia trapezoidale per trasmissioni industriali a sezione stretta tipo DIN SPA (mm 12,7 x 10), a norma DIN 7753, ISO 4184.
L'uso di inserti in poliestere permette di ottenere elevate prestazioni, stabilità di sviluppo, elettroconducibilità (ISO 1813), resistenza agli oli ed al calore, intervallo di temperatura di esercizio da -30°C a +80°C. E' indicata dove esistono condizioni di carico pesanti o limiti tecnici. Peso teorico 0,119 kg/ml. Diametro primitivo minimo consigliato della puleggia mm 100.

Trapezoidal belt for industrial transmissions with narrow section type DIN SPA (mm 12,7 x 10), according to DIN 7753, ISO 4184.
The use of polyester inserts allows to obtain high performance, dimensional stability, electro-conductivity (ISO 1813), oil and heat resistance, working temperature range from -30°C to + 80°C. It is used when there is heavy load conditions or tecnical limits.
Theorical weight 0,119 kg/ml. Minimum pitch diameter suggested of pulley mm 100.

Cinghia sincrona H
Timing belt H

ART.48153 GnuBo



Descrizione:
Cinghia sincrona (dentata) per trasmissioni industriali tipo H, passo mm 12,7 (1/2"), costruita con gomma al neoprene e inserti in fibra di vetro.

Timing (toothed) belt for industrial transmissions type H, pitch mm 12,7 (1/2"), built with neoprene rubber with fiber glass inserts.

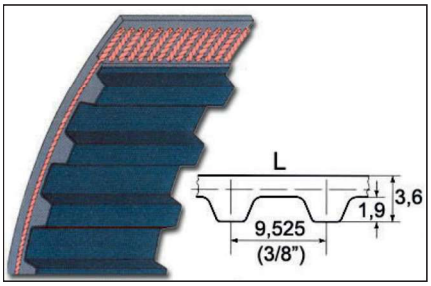
ART. 48153

Dati tecnici / Technical data

cod. code	lungh. primitiva pitch line ["/10]	[mm]	larghezza width ["/100]	[mm]	n° denti teeth n°	cod. code	lungh. primitiva pitch line ["/10]	[mm]	larghezza width ["/100]	[mm]	n° denti teeth n°
48153123	**240 H**	609,6	075	19,05	48	48153475	**480 H**	1219,2	200	50,8	96
48153139	**240 H**	609,6	100	25,4	48	48153491	**510 H**	1295,4	100	25,4	102
48153147	**270 H**	685,8	075	19,05	54	48153507	**510 H**	1295,4	150	38,1	102
48153155	**270 H**	685,8	100	25,4	54	48153523	**510 H**	1295,4	200	50,8	102
48153171	**270 H**	685,8	150	38,1	54	48153539	**540 H**	1371,6	100	25,4	108
48153187	**300 H**	762,0	100	25,4	60	48153555	**540 H**	1371,6	150	38,1	108
48153203	**300 H**	762,0	150	38,1	60	48153571	**570 H**	1447,8	100	25,4	114
48153219	**330 H**	838,2	100	25,4	66	48153587	**570 H**	1447,8	150	38,1	114
48153235	**330 H**	838,2	150	38,1	66	48153603	**570 H**	1447,8	200	50,8	114
48153251	**360 H**	914,4	100	25,4	72	48153619	**600 H**	1524,0	100	25,4	120
48153267	**360 H**	914,4	150	38,1	72	48153635	**600 H**	1524,0	150	38,1	120
48153283	**360 H**	914,4	200	50,8	72	48153651	**600 H**	1524,0	200	50,8	120
48153299	**390 H**	990,6	100	25,4	78	48153667	**630 H**	1600,2	100	25,4	126
48153315	**390 H**	990,6	150	38,1	78	48153683	**630 H**	1600,2	200	50,8	126
48153331	**390 H**	990,6	200	50,8	78	48153699	**660 H**	1676,4	100	25,4	132
48153347	**420 H**	1066,8	100	25,4	84	48153715	**700 H**	1778,0	100	25,4	140
48153363	**420 H**	1066,8	150	38,1	84	48153731	**700 H**	1778,0	150	38,1	140
48153379	**420 H**	1066,8	200	50,8	84	48153747	**700 H**	1778,0	200	50,8	140
48153395	**450 H**	1143,0	100	25,4	90	48153763	**750 H**	1905,0	100	25,4	150
48153411	**450 H**	1143,0	150	38,1	90	48153779	**750 H**	1905,0	150	38,1	150
48153427	**450 H**	1143,0	200	50,8	90	48153795	**800 H**	2032,0	150	38,1	160
48153443	**480 H**	1219,2	100	25,4	96	48153811	**800 H**	2032,0	100	25,4	170
48153459	**480 H**	1219,2	150	38,1	96						

Cinghia sincrona L
Timing belt L

ART.48156 GnuBo



Descrizione:
Cinghia sincrona (dentata) per trasmissioni industriali tipo L, passo mm 9,525 (3/8"), costruita con gomma al neoprene e inserti in fibra di vetro.
Cod. 321: articolo ad esaurimento

Timing (toothed) belt for industrial transmissions type L, pitch mm 9,525 (3/8"), built with neoprene rubber with fiber glass inserts.
Code 321: exhaustion of this item in stock.

ART. 48156

Dati tecnici / Technical data

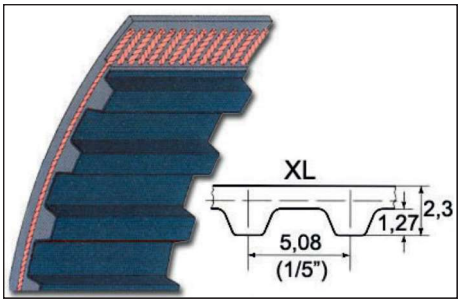
cod. code	lungh. primitiva pitch line ["/10]	[mm]	larghezza width ["/100]	[mm]	n° denti teeth n°	cod. code	lungh. primitiva pitch line ["/10]	[mm]	larghezza width ["/100]	[mm]	n° denti teeth n°
48156123	**150 L**	381,0	050	12,7	40	48156429	**270 L**	685,8	050	12,7	72
48156141	**150 L**	381,0	075	19,05	40	48156447	**270 L**	685,8	075	19,1	72
48156159	**150 L**	381,0	100	25,4	40	48156465	**270 L**	685,8	100	25,4	72
48156177	**187 L**	475,0	050	12,7	50	48156483	**285 L**	723,9	100	25,4	76
48156195	**187 L**	475,0	100	25,4	50	48156501	**300 L**	762,0	100	25,4	80
48156213	**210 L**	533,4	050	12,7	56	48156519	**322 L**	817,9	075	19,1	86
48156231	**210 L**	533,4	075	19,05	56	48156537	**322 L**	817,9	100	25,4	86
48156249	**210 L**	533,4	100	25,4	56	48156555	**345 L**	876,3	075	19,1	92
48156267	**225 L**	571,5	050	12,7	60	48156573	**345 L**	876,3	100	25,4	92
48156285	**225 L**	571,5	075	19,05	60	48156591	**367 L**	932,2	075	19,1	98
48156303	**225 L**	571,5	100	25,4	60	48156609	**390 L**	990,6	075	19,1	104
48156321	**225 L**	571,5	150	38,1	60	48156611	**390 L**	990,6	100	25,4	104
48156339	**240 L**	609,6	075	19,05	64	48156627	**450 L**	1143,0	050	12,7	120
48156357	**240 L**	609,6	100	25,4	64	48156645	**510 L**	1295,4	050	12,7	136
48156375	**255 L**	647,7	050	12,7	68	48156663	**540 L**	1371,6	075	19,1	144
48156393	**255 L**	647,7	075	19,05	68	48156681	**600 L**	1524,0	100	25,4	160
48156411	**255 L**	647,7	100	25,4	68						

Cinghia sincrona XL
Timing belt XL

ART.48159 GnuBo

Descrizione:
Cinghia sincrona (dentata) per trasmissioni industriali tipo XL, passo mm 5,08 (1/5"), costruita con gomma al neoprene e inserti in fibra di vetro.

Timing (toothed) belt for industrial transmissions type XL, pitch mm 5,08 (1/5"), built with neoprene rubber with fiber glass inserts.



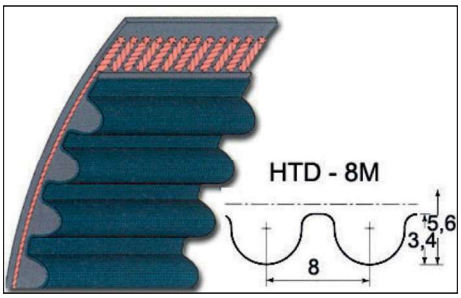
ART. 48159

Dati tecnici / Technical data

cod. code	lungh. primitiva pitch line ["/10]	[mm]	larghezza width ["/100]	[mm]	n° denti teeth n°
48159094	**106 XL**	269,2	050	12,7	53
48159123	**130 XL**	330,2	037	9,4	65
48159132	**140 XL**	355,6	037	9,4	70
48159141	**150 XL**	381,0	037	9,4	75
48159160	**160 XL**	406,4	037	9,4	80
48159190	**190 XL**	482,6	037	9,4	95
48159370	**250 XL**	635,0	050	12,7	125
48159377	**260 XL**	660,4	037	9,4	130

Cinghia sincrona a denti arrotondati HTD
Timing belt with round teeth HTD

ART.48183 GnuBo



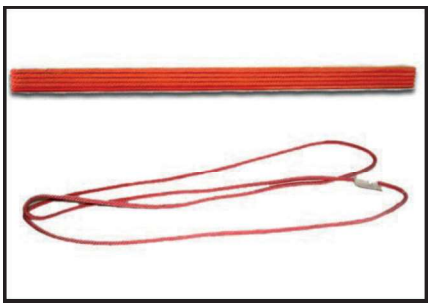
ART. 48183			
Dati tecnici / Technical data			
cod. code	lungh. primitiva pitch line [mm]	larghezza width [mm]	n° denti teeth n°
48183125	HTD 225 3M	15	75
48183160	HTD 560 8M	20	70
48183170	HTD 720 8M	30	90
48183183	HTD 800 8M	30	100
48183200	HTD 800 8M	50	100
48183205	HTD 880 8M	30	110
48183208	HTD 880 8M	50	110
48183217	HTD 1040 8M	30	130
48183251	HTD 1040 8M	50	130
48183285	HTD 1120 8M	30	140
48183319	HTD 1120 8M	50	140
48183353	HTD 1200 8M	30	150
48183387	HTD 1280 8M	30	160
48183421	HTD 1280 8M	50	160

Descrizione:
Cinghia sincrona (dentata) a denti arrotondati per trasmissioni industriali tipo HTD, passo mm 8, costruita con gomma al neoprene e inserti in fibra di vetro. E' resistente agli agenti atmosferici e moderatamente all'olio, intervallo di temperatura di esercizio da -40°C a +100°C. Il profilo arrotondato dei denti consente di trasmettere maggiore potenza a parità di passo rispetto ad una cinghia sincrona tradizionale, inoltre si hanno una riduzione delle interferenze maggiore resistenza al salto del dente e agli sforzi di taglio. Velocità costante consentita fino a 50 m/s.

Timing (toothed) belt with round teeth for industrial transmissions type HTD, pitch mm 8, built with neoprene rubber with fiber glass inserts. It is resistant to wether agents and a little to oil, working temperature range from -40°C to +100°C. The round tooth profile makes to transfer more power with the same pitch than a typical toothed belt, then you have less interferences, more resistance to the tooth jump and to shearing stresses. Constant allowed speed up to 50 m/s.

Cinghia a sezione tonda
Round section belt

ART.48203 GnuBo



ART. 48203		
Dati tecnici / Technical data		
cod. code	sviluppo length [mm]	sezione thickness [mm]
48203203	800	5
48203251	1000	5
48203275	1000	6
48203299	1100	5
48203443	1400	5
48203491	1500	5
48203539	1700	5
48203563	1700	6
48203587	1800	6

Descrizione:
Cinghia rigida ad anello chiuso a sezione tonda per trasmissioni ad alta velocità. Costruita in poliestere impregnato di legante rosso per operare in ambiente con temperatura inferiore a 50°C.

Closed ring round section stiff belt for high speed transmissions.
Made of white polyester impregnated with red bonding for working with temperature lower than 50°C.

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Cinghia piatta in cuoio
Leather flat belt

ART.48253

Descrizione:
Cinghia piatta in cuoio tannino cromo. Confezionata in rotoli sezionabili da m 50, venduta a metri lineari.

Chrome alum leather flat belt.
Packaged in mt 50 cuttable rolls, sold in linear meters.

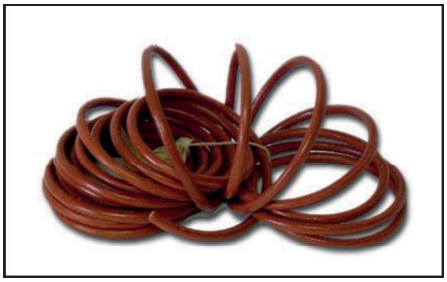
ART. 48253		
Dati tecnici / Technical data		
cod. code	larghezza width [mm]	spessore thickness [mm]
48253030	**30**	5,0
48253040	**40**	4,5
48253050	**50**	5,0
48253060	**60**	6,0
48253080	**80**	6,0
48253100	**100**	6,0
48253120	**120**	6,0

Cordoncino tondo in cuoio
Round leather rope

ART.48260

Descrizione:
Cordoncino tondo in cuoio, diametro mm 7.
Disponibile in metri lineari.

Round leather rope, diameter mm 7.
Available in linear meters.

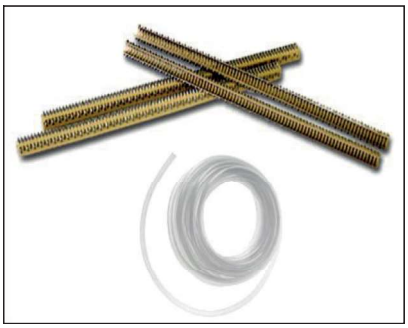


Cod. 48260070

Ganci per cinghia e cordoncino in cuoio
Belts hooks for leather rope and leather belt

ART.48261

ART. 48261				
Dati tecnici / Technical data				
cod. code	misura size	lunghezza length [mm]	["]	diam. o spess. cinghia rope's diam. or thickness [mm]
48261020	**2**	305	12	2,5 - 4
48261030	**3**	305	12	3 - 4
48261040	**4**	305	12	4 - 6
48261050	**5**	305	12	6 - 8,5



Descrizione:
Ganci per cinghia e cordoncino in cuoio.

Belts hooks for leather rope and leather belt.

Macchina agganciacinghie
Belts hooking machine

ART.48262

Descrizione:
Macchina agganciacinghie per cinghia e cordoncino in cuoio.

Belts hooking machine for leather rope and leather belt.

Cod. 48262120

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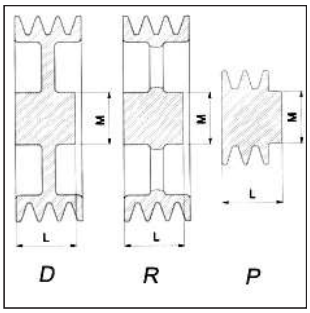
ART.48323 GnuBo

Puleggia a gole trapezoidali in ghisa A SPA
Cast iron pulley with trapezoidal grooves type A SPA

Descrizione:
Puleggia a gole trapezoidali in ghisa A SPA con tre forme costruttive in base al diametro primitivo: forma D = a disco; forma R = a razze forma P = piena.
Le pulegge a mozzo pieno si intendono con i mozzi a filo fascia da un lato.
Denominazione gola SPA.

Cast iron pulley with trapezoidal grooves type A SPA. Three different constructive shapes based on the pitch diameter: form D = disk, form R = spokes, form P = solid.
Full hub pulleys are intended as having the hubs flush with the face on one side. Race name SPA.



ART.48326 GnuBo

Puleggia a gole trapezoidali in ghisa B SPB
Cast iron pulley with trapezoidal grooves type B SPB

Descrizione:
Puleggia a gole trapezoidali in ghisa B SPB con tre forme costruttive in base al diametro primitivo:
forma D = a disco; forma R = a razze; forma P = piena.
Le pulegge a mozzo pieno si intendono con i mozzi a filo fascia da un lato. Denominazione gola SPB.

Cast iron pulley with trapezoidal grooves type B SPB. Three different constructive shapes based on the pitch diameter: form D = disk, form R = spokes, form P = solid.
Full hub pulleys are intended as having the hubs flush with the face on one side.
Race name SPB.

ART. 48323
Dati tecnici / Technical data

cod. code	diam. primitivo pitch diam. [mm]	M [mm]	L [mm]	n° gole n° of races	forma shape	foro grezzo untreated hole [mm]
48323042	**40**	26	35	1	P	-
48323051	**50**	32	35	1	P	-
48323052	**50**	40	35	2	P	-
48323061	**63**	40	35	1	P	-
48323062	**63**	40	35	2	P	-
48323063	**60**	40	52	3	P	-
48323081	**80**	45	40	1	P	-
48323082	**80**	50	45	2	P	-
48323083	**80**	62	52	3	P	10
48323084	**80**	62	67	4	P	10
48323091	**90**	45	40	1	P	10
48323092	**90**	60	45	2	P	10
48323093	**90**	62	52	3	P	15
48323094	**90**	68	67	4	P	15
48323101	**100**	50	40	1	D	10
48323102	**100**	60	45	2	D	10
48323103	**100**	62	52	3	D	15
48323104	**100**	70	52	4	D	15
48323121	**120**	60	40	1	D	10
48323122	**120**	60	45	2	D	15
48323123	**118**	70	52	3	D	15
48323124	**120**	70	52	4	D	15
48323131	**130**	60	40	1	D	12
48323132	**130**	60	45	2	D	12
48323133	**130**	70	52	3	D	15
48323141	**140**	60	40	1	D	12
48323142	**140**	60	45	2	D	15
48323143	**140**	68	52	3	D	15
48323151	**150**	60	40	1	D	15
48323152	**150**	60	45	2	D	15
48323153	**150**	70	52	3	D	15
48323161	**160**	60	40	1	D	15
48323162	**160**	60	45	2	D	15
48323163	**160**	70	52	3	D	15
48323181	**180**	65	40	1	D	15
48323182	**180**	70	50	2	D	15
48323201	**200**	65	45	1	D	15
48323202	**200**	70	50	2	D	15
48323251	**250**	75	50	1	R	15
48323252	**250**	75	50	2	R	15

ART. 48326
Dati tecnici / Technical data

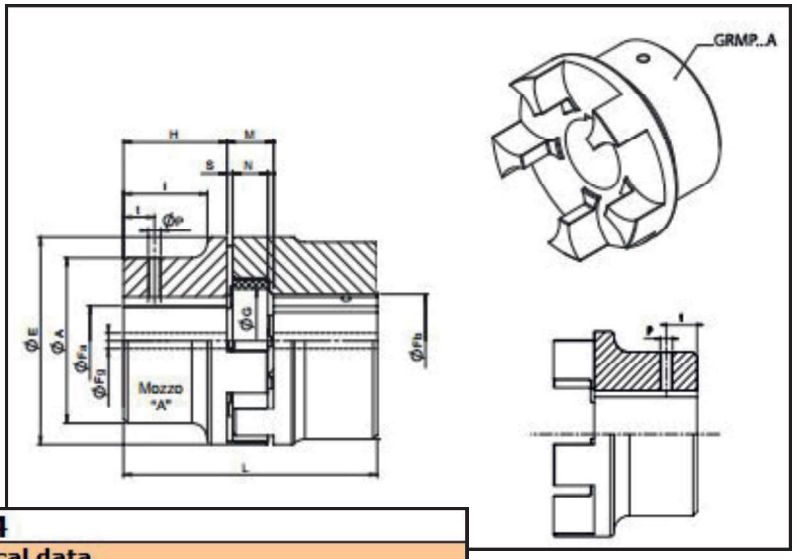
cod. code	diam. primitivo pitch diam. [mm]	M [mm]	L [mm]	n° gole n° of races	forma shape	foro grezzo untreated hole [mm]
48326061	**60**	40	45	1	P	-
48326062	**60**	40	48	2	P	-
48326081	**80**	50	45	1	P	10
48326082	**80**	50	48	2	P	10
48326083	**80**	50	67	3	P	15
48326084	**80**	52	86	4	P	15
48326091	**90**	50	45	1	P	15
48326092	**90**	50	49	2	P	15
48326093	**90**	58	60	3	P	15
48326094	**90**	62	60	4	P	15
48326101	**100**	52	45	1	P	15
48326102	**100**	55	55	2	P	15
48326103	**100**	58	60	3	P	15
48326104	**100**	65	50	4	P	20
48326121	**120**	55	45	1	P	15
48326122	**120**	60	55	2	P	15
48326123	**120**	75	60	3	P	15
48326124	**120**	75	60	4	P	20
48326141	**140**	65	45	1	D	15
48326142	**140**	65	55	2	D	15
48326143	**140**	75	60	3	D	15
48326144	**140**	75	60	4	D	15
48326151	**150**	65	45	1	D	15
48326152	**150**	65	55	2	D	15
48326153	**150**	75	60	3	D	15
48326154	**150**	80	60	4	D	20
48326161	**160**	65	45	1	D	15
48326162	**160**	70	55	2	D	15
48326163	**160**	80	60	3	D	15
48326164	**160**	90	60	4	D	20
48326181	**180**	65	45	1	D	15
48326182	**180**	70	55	2	D	20
48326183	**180**	80	60	3	D	20
48326184	**180**	90	60	4	D	20
48326201	**200**	70	45	1	D	-
48326202	**200**	70	55	2	D	20
48326203	**200**	80	60	3	D	20
48326204	**200**	96	60	4	D	20
48326252	**250**	70	50	1	R	20
48326253	**250**	77	55	2	R	20
48326254	**250**	88	60	3	R	20
48326281	**280**	76	50	1	R	20
48326285	**280**	80	55	2	R	20
48326301	**300**	80	50	1	R	20
48326302	**300**	80	55	2	R	20
48326303	**300**	90	60	3	R	20
48326304	**300**	96	65	4	R	25
48326351	**355**	80	50	1	R	20
48326352	**355**	88	60	2	R	20
48326502	**500**	100	60	1	R	25
48326503	**500**	100	65	2	R	25

Giunto elastico per motori elettrici
Flexible coupling for electric motors

ART.48354 GnuBo

Descrizione:
Giunto elastico per motori elettrici a norma IEC con mozzi esecuzione A. Mozzi in ghisa G25. Elemento elastico in elastomero poliuretanico durezza 94 Sh, antiolio e antiacido, resistente alla fatica, all'urto e all'abrasione. Intervallo di temperatura d'impiego da -30°C a +80°C.
Capacità di compensazione per disassamenti assiali, radiali e angolari (max 1 1\2"). Cava per linguetta UNI 6604.

Flexible coupling for electric motors IEC standard with hubes execution A. Hubs made of cast iron G25. Flexible element in polyurethane 94 Sh, anti-oil and anti-acid, fatigue, impact and abrasion resistant.
Working temperature range from -30°C to +80°C.
Ability to compensate axial, radial and angular misalignment (max 1 1/2"). Feather slot for UNI 6604.



ART. 48354
Dati tecnici / Technical data

cod. code	Fa max [mm]	Fb max [mm]	Fg [mm]	E [mm]	A [mm]	H [mm]	L [mm]	I [mm]	M [mm]	S [mm]	N [mm]	G [mm]	t [mm]	P [mm]
48354220	**24**	**32**	8	55	40	30	78	24	18	2	14	27	10	M5
48354254	**28**	**38**	8	65	48	35	90	28	20	2,5	15	30	15	M6
48354288	**38**	**45**	10	80	66	45	114	37	24	3	18	38	15	M8
48354322	**42**	**55**	10	95	75	50	126	40	26	3	20	46	20	M8

Anello per giunti per motori elettrici
Ring for couplings for electric motors

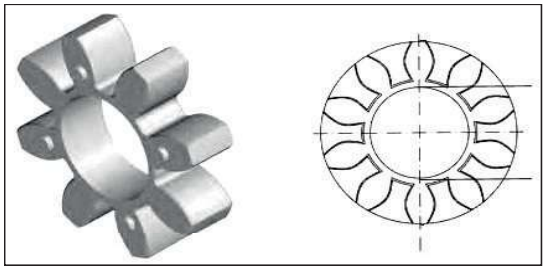
ART.48356 GnuBo

ART. 48356
Dati tecnici
Technical data

cod. code	giunto coupling [mm]
48356213	**24 - 24**
48356220	**24 - 32**
48356254	**28 - 38**
48356288	**38 - 45**
48356322	**42 - 55**

Descrizione:
Anello per giunti per motori elettrici a norma IEC in elastomero poliuretanico, antiolio e antiacido, resistente alla fatica, all'urto e all'abrasione.
Durezza 94 Sh, intervallo di temperatura di esercizio da -30°C a +80°C.

Ring for couplings for electric motors IEC standard, made in polyurethane elastomer, anti-oil and anti-acid, fatigue, impact and abrasion resistant.
Hardness 94 Sh, working temperature range from -30°C to +80°C.



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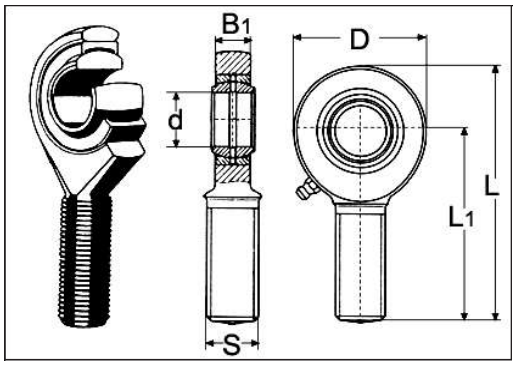
ART.48403 GnuBo



Testa a snodo sferico con gambo maschio filettato destro
Rod spherical end with male right-hand threaded shank

ART. 48403
Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	B_1 [mm]	D [mm]	L_1 [mm]	L [mm]	S [mm]
48403083	*TSM 5*	**5**	8	18	33	42	M5
48403108	*TSM 6*	**6**	9	20	36	46	M6
48403133	*TSM 8*	**8**	12	24	42	54	M8
48403158	*TSM 10*	**10**	14	28	48	62	M10
48403183	*TSM 12*	**12**	16	32	54	70	M12
48403208	*TSM 14*	**14**	19	36	60	78	M14
48403233	*TSM 16*	**16**	21	42	66	87	M16
48403258	*TSM 18*	**18**	23	46	72	95	M18X1,5
48403283	*TSM 20*	**20**	25	50	78	103	M20X1,5
48403308	*TSM 22*	**22**	28	54	84	111	M22X1,5
48403333	*TSM 25*	**25**	31	60	94	124	M24X2
48403358	*TSM 30*	**30**	37	70	110	145	M30X2

Descrizione:
Testa a snodo sferico con gambo maschio filettato ISO 6126 - 1982. Materiale: gambo di acciaio C45 stampato o forgiato con superficie trattata anticorrosione e con inserita una boccola sagomata in bronzo sinterizzato, sfera di acciaio 100 Cr 6 rivestita in cromo duro, accoppiamento dell'anello esterno in bronzo con la sfera in acciaio cromato.

Rod spherical end with male threaded shank ISO 6126 - 1982. Material: shank made of steel C45 pressed or moulded with anticorrosion treated surface and with a shaped syntherized bronze bushing, ball made of hard chromium plated steel 100 Cr 6, coupling of external ring with ball made of chromium plated steel.

ART.48406 GnuBo

Testa a snodo sferico con gambo maschio filettato sinistro
Rod spherical end with male left-hand threaded shank

ART. 48406
Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	B_1 [mm]	D [mm]	L_1 [mm]	L [mm]	S [mm]
48406083	*TSML 5*	**5**	8	18	33	42	M5
48406108	*TSML 6*	**6**	9	20	36	46	M6
48406133	*TSML 8*	**8**	12	24	42	54	M8
48406158	*TSML 10*	**10**	14	28	48	62	M10
48406183	*TSML 12*	**12**	16	32	54	70	M12
48406208	*TSML 14*	**14**	19	36	60	78	M14
48406233	*TSML 16*	**16**	21	42	66	87	M16
48406258	*TSML 18*	**18**	23	46	72	95	M18X1,5
48406283	*TSML 20*	**20**	25	50	78	103	M20X1,5
48406308	*TSML 22*	**22**	28	54	84	111	M22X1,5
48406333	*TSML 25*	**25**	31	60	94	124	M24X2

ART.48413 GnuBo

Testa a snodo sferico con gambo femmina filettato destro
Rod spherical end with female right-hand threaded shank

ART. 48413
Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	B_1 [mm]	D [mm]	L_1 [mm]	L [mm]	S [mm]
48413083	*TSF 5*	**5**	8	18	27	36	M5
48413108	*TSF 6*	**6**	9	20	30	40	M6
48413133	*TSF 8*	**8**	12	24	36	48	M8
48413158	*TSF 10.1*	**10**	14	28	43	57	M10x1,25
48413183	*TSF 10*	**10**	14	28	43	57	M10
48413208	*TSF 12*	**12**	16	32	50	66	M12
48413233	*TSF 14*	**14**	19	36	57	75	M14
48413258	*TSF 16*	**16**	21	42	64	85	M16
48413283	*TSF 18*	**18**	23	46	71	94	M18X1,5
48413308	*TSF 20*	**20**	25	50	77	102	M20X1,5
48413333	*TSF 22*	**22**	28	54	84	111	M22X1,5
48413358	*TSF 25*	**25**	31	60	94	124	M24X2
48413383	*TSF 30*	**30**	37	70	110	145	M30X2

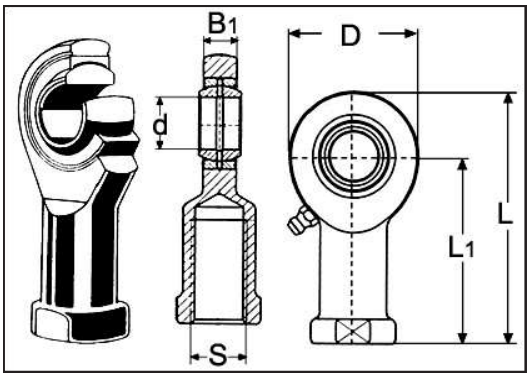
ART.48416 GnuBo

Testa a snodo sferico con gambo femmina filettato sinistro
Rod spherical end with female left-hand threaded shank

ART. 48416
Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	B_1 [mm]	D [mm]	L_1 [mm]	L [mm]	S [mm]
48416083	*TSFL 5*	**5**	8	18	27	36	M5
48416108	*TSFL 6*	**6**	9	20	30	40	M6
48416133	*TSFL 8*	**8**	12	24	36	48	M8
48416158	*TSFL 10*	**10**	14	28	43	57	M10
48416183	*TSFL 12*	**12**	16	32	50	66	M12
48416208	*TSFL 14*	**14**	19	36	57	75	M14
48416233	*TSFL 16*	**16**	21	42	64	85	M16
48416258	*TSFL 18*	**18**	23	46	71	94	M18X1,5
48416283	*TSFL 20*	**20**	25	50	77	102	M20X1,5
48416308	*TSFL 22*	**22**	28	54	84	111	M22X1,5
48416333	*TSFL 25*	**25**	31	60	94	124	M24X2
48416358	*TSFL 30*	**30**	37	70	110	145	M30X2

Teste a snodo femmine

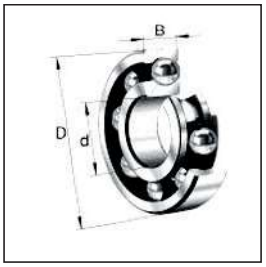


Descrizione:
Testa a snodo sferico con gambo femmina filettato ISO 6126 - 1982. Materiale: gambo di acciaio C45 stampato o forgiato con superficie trattata anticorrosione e con inserita una boccola sagomata in bronzo sinterizzato, sfera di acciaio 100 Cr 6 rivestita in cromo duro, accoppiamento dell'anello esterno in bronzo con la sfera in acciaio cromato.

Rod spherical end with female left-hand threaded shank ISO 6126 - 1982. Material: shank made of steel C45 pressed or moulded with anticorrosion treated surface and with a shaped syntherized bronze bushing, ball made of hard chromium plated steel 100 Cr 6, coupling of external ring with ball made of chromium plated steel.

Cuscinetto radiale rigido ad una corona di sfere
Rigid radial single row ball bearing

ART.48503 GnuBo



Descrizione:
Cuscinetto radiale rigido ad una corona di sfere.

Rigid radial single row ball bearing.

ART. 48503

Dati tecnici / Technical data

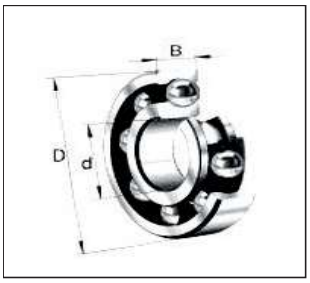
cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48503013	607LLU	7	19	6	48503247	6202ZZ	15	35	11	48503457	6310LLU	50	110	27
48503017	608LLU	8	22	7	48503249	6203	17	40	12	48503465	6311LLU	55	120	29
48503021	609LLU	9	24	7	48503253	6203LLU	17	40	12	48503473	6312LLU	60	130	31
48503033	624ZZ	4	13	5	48503257	6204	20	47	14	48503481	6313LLU	65	140	33
48503035	634LLU	4	16	5	48503261	6204LLU	20	47	14	48503489	6314LLU	70	150	35
48503041	625LLU	5	16	5	48503263	62/22CM	22	50	14	48503497	6315LLU	75	160	37
48503045	626LLU	6	19	6	48503265	6205	25	52	15	48503501	6316	80	170	39
48503053	627LLU	7	22	7	48503269	6205LLU	25	52	15	48503545	16002	15	32	8
48503061	629LLU	9	26	8	48503273	6205ZZ	25	52	15	48503549	16003	17	35	8
48503065	6000	10	26	8	48503275	62/28LLU	28	58	16	48503553	16004	20	42	8
48503069	6000LLU	10	26	8	48503277	6206	30	62	16	48503557	16005	25	47	8
48503073	6001	12	28	8	48503281	6206LLU	30	62	16	48503561	16006	30	55	9
48503075	6001ZZ	12	28	8	48503285	6207	35	72	17	48503565	16007	35	62	9
48503077	6001LLU	12	28	8	48503289	6207LLU	35	72	17	48503569	16008	40	68	9
48503081	6002	15	32	9	48503293	6208	40	80	18	48503573	16009	45	75	10
48503085	6002LLU	15	32	9	48503297	6208LLU	40	80	18	48503577	16010	50	80	10
48503089	6003	17	35	10	48503301	6209	45	85	19	48503581	16011	55	90	11
48503093	6003LLU	17	35	10	48503305	6209LLU	45	85	19	48503585	16012	60	95	11
48503097	6004	20	42	12	48503309	6210	50	90	20	48503589	16013	65	100	11
48503101	6004LLU	20	42	12	48503313	6210LLU	50	90	20	48503593	16014	70	110	13
48503105	6005	25	47	12	48503321	6211LLU	55	100	21	48503597	16015	75	115	13
48503109	6004LLU	25	47	12	48503329	6212LLU	60	110	22	48503601	16016	80	125	14
48503113	6006	30	55	13	48503333	6213LLU	65	120	23	48503605	16017	85	130	14
48503117	6006LLU	30	55	13	48503341	6214LLU	70	125	24	48503609	16019	95	145	16
48503121	6007	35	62	14	48503349	6215LLU	75	130	25	48503613	16100	10	28	8
48503125	6007LLU	35	62	14	48503353	6216LLU	80	140	26	48503617	16101	12	30	8
48503129	6008	40	68	15	48503357	6217LLU	85	150	28	48503621	62200.2RS	10	30	14
48503133	6008LLU	40	68	15	48503361	6218LLU	90	160	30	48503625	62201.2RS	12	32	14
48503137	6009	45	75	16	48503365	6219	95	170	32	48503629	62202.2RS	15	35	14
48503141	6009LLU	45	75	16	48503369	6300	10	35	11	48503633	62203.2RS	17	40	16
48503145	6010	50	80	16	48503373	6300LLU	10	35	11	48503637	62204.2RS	20	47	18
48503149	6010LLU	50	80	16	48503377	6301	12	37	12	48503641	62205.2RS	25	52	18
48503157	6011LLU	55	90	18	48503381	6301LLU	12	37	12	48503645	62206.2RS	30	62	20
48503161	6012LLU	60	95	18	48503385	6302	15	42	13	48503649	62207.2RS	35	72	23
48503169	6013LLU	65	100	18	48503389	6302LLU	15	42	13	48503653	62208.2RS	40	80	23
48503177	6014LLU	70	110	20	48503393	6303	17	47	14	48503657	62209.2RS	45	85	23
48503185	6015LLU	75	115	20	48503397	6303LLU	17	47	14	48503661	62210.2RS	50	90	23
48503193	6016LLU	80	125	22	48503401	6304	20	52	15	48503665	62211.2RS	55	100	23
48503201	6017ZZ	85	130	22	48503405	6304LLU	20	52	15	48503669	62212.2RS	60	110	28
48503205	6018	90	140	24	48503409	6305	25	62	17	48503673	62301.2RS	12	37	17
48503209	6019LLU	95	145	24	48503413	6305LLU	25	62	17	48503677	62302.2RS	15	42	17
48503213	6020	100	150	24	48503417	6306	30	72	19	48503681	62303.2RS	17	47	19
48503217	6021	105	160	26	48503421	6306LLU	30	72	19	48503685	62304.2RS	20	52	21
48503225	6200	10	30	9	48503425	6307	35	80	21	48503689	62305.2RS	25	62	24
48503229	6200LLU	10	30	9	48503429	6307LLU	35	80	21	48503693	62306.2RS	30	72	27
48503233	6201	12	32	10	48503433	6308	40	90	23	48503697	62307.2RS	35	80	31
48503237	6201LLU	12	32	10	48503437	6308LLU	40	90	23	48503701	62308.2RS	40	90	33
48503241	6202	15	35	11	48503445	6309	45	100	25	48503705	62309.2RS	45	100	36
48503245	6202LLU	15	35	11	48503449	6309LLU	45	100	25	48503709	62310.2RS	50	110	40
					48503453	6310	50	110	27					

Cuscinetto radiale rigido ad una corona di sfere
Rigid radial single row ball bearing

ART.48507 GnuBo

Descrizione:
Cuscinetto radiale rigido ad una corona di sfere.

Rigid radial single row ball bearing.



ART. 48507
Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48507631	*6900LLU*	**10**	22	6
48507637	*6901LLU*	**12**	24	6
48507643	*6902LLU*	**15**	28	7
48507649	*6903LLU*	**17**	30	7
48507655	*6904LLU*	**20**	37	9
48507661	*6905LLU*	**25**	42	9
48507667	*6906LLU*	**30**	47	9
48507673	*6907LLU*	**35**	55	10
48507679	*6908LLU*	**40**	62	12
48507685	*6909LLU*	**45**	68	12
48507691	*6910LLU*	**50**	72	12

Cuscinetto radiale rigido ad una corona di sfere
Rigid radial single row ball bearing

ART.48511 GnuBo

Descrizione:
Cuscinetto radiale rigido ad una corona di sfere.

Rigid radial single row ball bearing.

ART. 48511
Dati tecnici / Technical data

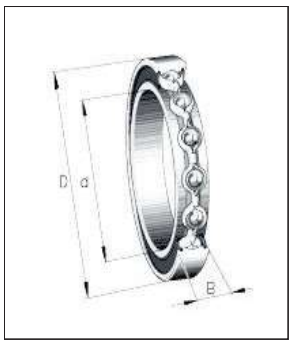
cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48511083	*61801.2RS*	**12**	21	5	48511223	*61811.2RS*	**55**	72	9
48511097	*61802.2RS*	**15**	24	5	48511237	*61812.2RS*	**60**	78	10
48511111	*61803.2RS*	**17**	26	5	48511251	*61813.2RS*	**65**	85	10
48511125	*61804.2RS*	**20**	32	7	48511265	*61814.2RS*	**70**	90	10
48511139	*61805.2RS*	**25**	37	7	48511279	*61815.2RS*	**75**	95	10
48511153	*61806.2RS*	**30**	42	7	48511293	*61816*	**80**	100	10
48511167	*61807.2RS*	**35**	47	7	48511307	*61817*	**85**	110	13
48511181	*61808.2RS*	**40**	52	7	48511321	*61818.2RS*	**90**	115	13
48511195	*61809.2RS*	**45**	58	7	48511335	*61820.2RS*	**100**	125	13
48511209	*61810.2RS*	**50**	65	7					

Cuscinetto radiale rigido ad una corona di sfere
Rigid radial single row ball bearing

ART.48514 GnuBo

Cod. 090, 100:
articoli ad esaurimento.

Code 090, 100:
exhaustion of these
items in stock.



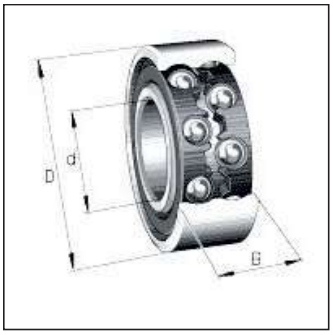
ART. 48514
Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48514005	*63000.2RS*	**10**	26	12
48514010	*63001.2RS*	**12**	28	12
48514020	*63002.2RS*	**15**	32	13
48514030	*63003.2RS*	**17**	35	14
48514040	*63004.2RS*	**20**	42	16
48514050	*63005.2RS*	**25**	47	16
48514060	*63006.2RS*	**30**	55	19
48514070	*63007.2RS*	**35**	62	20
48514080	*63008.2RS*	**40**	68	21
48514100	*63010.2RS*	**50**	80	23

Cuscinetti a sfera - Radiali a due corone - Obliqui ad una/due corone

Cuscinetto radiale rigido a due corone di sfere
Rigid radial double row ball bearing

ART.48531 GnuBo



Cod. 140, 160, 170, 290: articoli ad esaurimento.

Code 140, 160, 170, 290: exhaustion of these items in stock.

ART. 48531

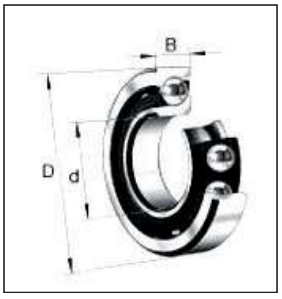
Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48531005	*4200 ATN9*	**10**	30	14	48531160	*4216B.TVH*	**80**	140	33
48531010	*4201 ATN9*	**12**	32	14	48531170	*4217B.TVH*	**85**	150	36
48531020	*4202 ATN9*	**15**	35	14	48531180	*4302 ATN9*	**15**	42	17
48531030	*4203 ATN9*	**17**	40	16	48531190	*4303 ATN9*	**17**	47	19
48531040	*4204 ATN9*	**20**	47	18	48531200	*4304 ATN9*	**20**	52	21
48531050	*4205 ATN9*	**25**	52	18	48531210	*4305 ATN9*	**25**	62	24
48531060	*4206 ATN9*	**30**	62	20	48531220	*4306 ATN9*	**30**	72	27
48531070	*4207 ATN9*	**35**	72	23	48531230	*4307 ATN9*	**35**	80	31
48531080	*4208 ATN9*	**40**	80	23	48531240	*4308 ATN9*	**40**	90	33
48531090	*4209 ATN9*	**45**	85	23	48531250	*4309 ATN9*	**45**	100	36
48531100	*4210 ATN9*	**50**	90	23	48531260	*4310 ATN9*	**50**	110	40
48531110	*4211 ATN9*	**55**	100	25	48531270	*4311 ATN9*	**55**	120	43
48531120	*4212 ATN9*	**60**	110	28	48531280	*4312 ATN9*	**60**	130	46
48531130	*4213 ATN9*	**65**	120	31	48531290	*4313B.TVH*	**65**	140	48
48531140	*4214B.TVH*	**70**	125	31					

Cuscinetti a sfera - Obliqui ad una corona

Cuscinetto obliquo ad una corona di sfere
Angular single row ball bearing

ART.48553 GnuBo



ART. 48553

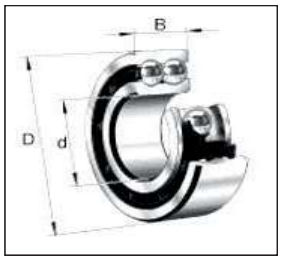
Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48553005	*7200B*	**10**	30	9	48553130	*7213B*	**65**	120	23
48553010	*7201B*	**12**	32	10	48553140	*7214B*	**70**	125	24
48553020	*7202B*	**15**	35	11	48553150	*7215B*	**75**	130	25
48553030	*7203B*	**17**	40	12	48553160	*7302B*	**15**	42	13
48553040	*7204B*	**20**	47	14	48553170	*7303B*	**17**	47	14
48553050	*7205B*	**25**	52	15	48553180	*7304B*	**20**	52	15
48553060	*7206B*	**30**	62	16	48553190	*7305B*	**25**	62	17
48553070	*7207B*	**35**	72	17	48553200	*7306B*	**30**	72	19
48553080	*7208B*	**40**	80	18	48553210	*7307B*	**35**	80	21
48553090	*7209B*	**45**	85	19	48553220	*7308B*	**40**	90	23
48553100	*7210B*	**50**	90	20	48553230	*7309B*	**45**	100	25
48553110	*7211B*	**55**	100	21	48553240	*7310B*	**50**	110	27
48553120	*7212B*	**60**	110	22	48553250	*7311B*	**55**	120	29

Cuscinetti a sfera - Obliqui a due corone

Cuscinetto obliquo a due corone di sfere
Angular double row ball bearing

ART.48563 GnuBo



Descrizione:
Cuscinetto obliquo a due corone di sfere.

Angular double row ball bearing bearings, double row.

ART. 48563

Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48563118	*5200ZZ*	**10**	30	14	48563303	*3209S*	**45**	85	30
48563123	*3200S*	**10**	30	14	48563312	*5210 ZZ*	**50**	90	30
48563133	*5201ZZ*	**12**	32	16	48563318	*3210S*	**50**	90	30
48563138	*3201A*	**12**	32	16	48563333	*3211S*	**55**	100	33
48563148	*5202 ZZ*	**15**	35	16	48563348	*3212S*	**60**	110	37
48563153	*5202S*	**15**	35	16	48563363	*3213S*	**65**	120	38
48563168	*5203 ZZ*	**17**	40	18	48563378	*3214S*	**70**	125	40
48563183	*3203S*	**17**	40	18	48563393	*3215S*	**75**	130	41
48563198	*5204 ZZ*	**20**	47	21	48563408	*3216S*	**80**	140	44
48563213	*5204S*	**20**	47	21	48563423	*3217S*	**85**	150	49,2
48563228	*5205 ZZ*	**25**	52	21	48563438	*3302S*	**15**	42	19
48563243	*3205S*	**25**	52	21	48563453	*3303S*	**17**	47	22
48563253	*5206 ZZ*	**30**	62	24	48563468	*3304S*	**20**	52	22
48563258	*3206S*	**30**	62	24	48563483	*3305S*	**25**	62	25
48563268	*5207 ZZ*	**35**	72	27	48563498	*3306S*	**30**	72	30
48563273	*5207S*	**35**	72	27	48563513	*3307S*	**35**	80	35
48563284	*5208 ZZ*	**40**	80	30	48563528	*3308S*	**40**	90	37
48563288	*3208S*	**40**	80	30	48563543	*3309S*	**45**	100	40
48563297	*5209 ZZ*	**45**	85	30	48563558	*3310S*	**50**	110	44

Cuscinetto radiale orientabile a due corone di sfere
Adjustable radial double row ball bearing

ART.48573 GnuBo

Descrizione:
Cuscinetto radiale orientabile a due corone di sfere.

Adjustable radial double row ball bearing.

PREFISSI E SUFFISSI DEI CUSCINETTI A
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ART. 48573
Dati tecnici / Technical data

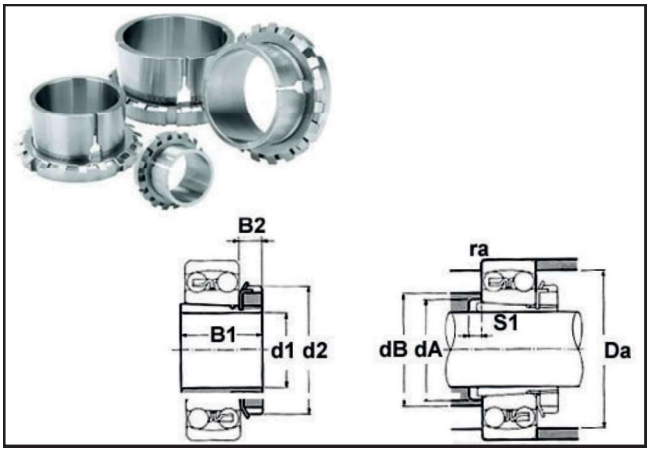
cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48573087	*1201*	**12**	32	10	48573474	*2202*	**15**	35	14
48573096	*1202*	**15**	35	11	48573483	*2203 2RS*	**17**	40	16
48573105	*1203*	**17**	40	12	48573492	*2204 2RS*	**20**	47	18
48573114	*1204*	**20**	47	14	48573501	*2205 2RS*	**25**	52	18
48573123	*1205KC3*	**25**	52	15	48573510	*2205*	**25**	52	18
48573132	*1205*	**25**	52	15	48573519	*2206KC3*	**30**	62	20
48573141	*1206KC3*	**30**	62	16	48573528	*2206*	**30**	62	20
48573150	*1206*	**30**	62	16	48573537	*2207KC3*	**35**	72	23
48573159	*1207KC3*	**35**	72	17	48573546	*2207*	**35**	72	23
48573168	*1207*	**35**	72	17	48573555	*2208KC3*	**40**	80	23
48573177	*1208KC3*	**40**	80	18	48573564	*2208 2RS*	**40**	80	23
48573186	*1208*	**40**	80	18	48573573	*2209KC3*	**45**	85	23
48573195	*1209KC3*	**45**	85	19	48573582	*2209*	**45**	85	23
48573204	*1209*	**45**	85	19	48573591	*2210KC3*	**50**	90	23
48573213	*1210KC3*	**50**	90	20	48573600	*2210*	**50**	90	23
48573222	*1211KC3*	**55**	100	21	48573609	*2211KC3*	**55**	100	25
48573231	*1211*	**55**	100	21	48573618	*2211*	**55**	100	25
48573240	*1212KC3*	**60**	110	22	48573627	*2212KC3*	**60**	110	28
48573249	*1212*	**60**	110	22	48573636	*2212 2RS*	**60**	110	28
48573258	*1213KC3*	**65**	120	23	48573645	*2213KC3*	**65**	120	31
48573267	*1213*	**65**	120	23	48573654	*2213*	**65**	120	31
48573276	*1214*	**70**	125	24	48573663	*2214 2RS*	**70**	125	31
48573285	*1301*	**12**	37	12	48573672	*2215*	**75**	130	31
48573294	*1302*	**15**	42	13	48573681	*2216KC3*	**80**	140	33
48573303	*1303*	**17**	47	14	48573690	*2216*	**80**	140	33
48573312	*1304*	**20**	52	15	48573699	*2217*	**85**	150	36
48573321	*1305*	**25**	62	17	48573708	*2218KC3*	**90**	160	40
48573330	*1306KC3*	**30**	72	19	48573717	*2218*	**90**	160	40
48573339	*1306*	**30**	72	19	48573726	*2303*	**17**	47	19
48573348	*1307KC3*	**35**	80	21	48573735	*2304*	**20**	52	21
48573357	*1307*	**35**	80	21	48573744	*2305*	**25**	62	24
48573366	*1308KC3*	**40**	90	23	48573753	*2306*	**30**	72	27
48573375	*1308*	**40**	90	23	48573762	*2307*	**35**	80	31
48573384	*1309KC3*	**45**	100	25	48573771	*2308*	**40**	90	33
48573393	*1309*	**45**	100	25	48573780	*2309KC3*	**45**	100	36
48573402	*1310KC3*	**50**	110	27	48573789	*2309*	**45**	100	36
48573411	*1310*	**50**	110	27	48573798	*2310KC3*	**50**	110	40
48573420	*1311KC3*	**55**	120	29	48573807	*2310*	**50**	110	40
48573429	*1311*	**55**	120	29	48573816	*2311KC3*	**55**	120	43
48573438	*1312*	**60**	130	31	48573825	*2311*	**55**	120	43
48573447	*2200 2RS*	**10**	30	14	48573843	*2312KC3*	**60**	130	46
48573456	*2200*	**10**	30	14	48573852	*2312*	**60**	130	46
48573465	*2201*	**12**	32	14					

Bussola per cuscinetti conici
Bush for conical bearings

ART.48575 GnuBo

ART. 48575
Dati tecnici / Technical data

cod. code	tipo kind	d_1 [mm]	B_1 [mm]	d_2 [mm]	B_2 [mm]	x cuscinetti x bearing
48575205	*H205*	**20**	26	38	8	1205K
48575206	*H206*	**25**	27	45	8	1206K
48575208	*H208*	**35**	31	58	10	1208K
48575209	*H209*	**40**	33	65	11	1209K
48575210	*H210*	**45**	35	70	12	1210K
48575211	*H211*	**50**	37	75	12	1211K
48575212	*H212*	**55**	38	80	13	1212K
48575213	*H213*	**60**	40	85	14	1213K
48575259	*H2309*	**40**	50	65	11	2309K
48575260	*H2310*	**45**	55	70	12	2310K
48575261	*H2311*	**50**	59	75	12	2311K
48575262	*H2312*	**55**	62	80	13	2312K
48575306	*H306*	**25**	31	45	8	1306K; 2206K
48575307	*H307*	**30**	35	52	9	1307K; 2207K
48575309	*H309*	**40**	39	65	11	1309K; 2209K
48575310	*H310*	**45**	42	70	12	1310K; 2210K
48575311	*H311*	**50**	45	75	12	1311K; 2211K
48575312	*H312*	**55**	47	80	13	1312K; 2212K
48575313	*H313*	**60**	50	85	14	1313K; 2213K
48575316	*H316*	**70**	59	105	17	1316K; 2216K
48575318	*H318*	**80**	65	120	18	1318K; 2218K

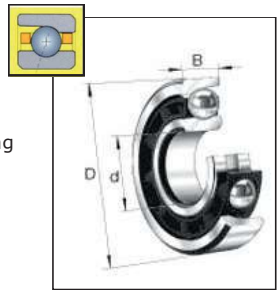


Descrizione:
Bussola per cuscinetti radiali orientabili a due corone di sfere conici.

Bush for conical adjustable radial double row ball bearings.

Cuscinetto per mandrini ad una corona di sfere
Mandrel single row ball bearing

ART.48593 GnuBo



Descrizione:
Cuscinetto per mandrini ad una corona di sfere. Gabbia in resina fenolica con centraggio esterno. Angolo di contatto 15°. Accoppiamento universale U, precarichi leggeri L.

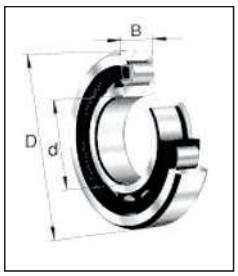
Mandrel single row ball bearing. Cage in phenolic resin with external centering. Contact angle 15°. Universal paring set U, light preload L.

ART. 48593

Dati tecnici / Technical data

cod. code	FAG	SNFA	d [mm]	D [mm]	B [mm]
48593087	B7000C.T.P4S.UL	EX 10 7CE1 UL	**10**	26	8
48593103	B7001C.T.P4S.UL	EX 12 7CE1 UL	**12**	28	8
48593119	B7002C.T.P4S.UL	EX 15 7CE1 UL	**15**	32	9
48593135	B7003C.T.P4S.UL	EX 17 7CE1 UL	**17**	35	10
48593151	B7004C.T.P4S.UL	EX 20 7CE1 UL	**20**	42	12
48593167	B7005C.T.P4S.UL	EX 25 7CE1 UL	**25**	47	12
48593183	B7006C.T.P4S.UL	EX 30 7CE1 UL	**30**	55	13
48593199	B7007C.T.P4S.UL	EX 35 7CE1 UL	**35**	62	14
48593215	B7008C.T.P4S.UL	EX 40 7CE1 UL	**40**	68	15
48593231	B7009C.T.P4S.UL	EX 45 7CE1 UL	**45**	75	16
48593247	B7010C.T.P4S.UL	EX 50 7CE1 UL	**50**	80	16
48593263	B7011C.T.P4S.UL	EX 55 7CE1 UL	**55**	90	18
48593279	B7012C.T.P4S.UL	EX 60 7CE1 UL	**60**	95	18
48593295	B7013C.T.P4S.UL	EX 65 7CE1 UL	**65**	100	18
48593311	B7014C.T.P4S.UL	EX 70 7CE1 UL	**70**	110	20
48593327	B7015C.T.P4S.UL	EX 75 7CE1 UL	**75**	115	20
48593343	B7016C.T.P4S.UL	EX 80 7CE1 UL	**80**	125	22
48593359	B7017C.T.P4S.UL	EX 85 7CE1 UL	**85**	130	22
48593375	B7018C.T.P4S.UL	EX 90 7CE1 UL	**90**	140	24
48593391	B7200C.T.P4S.UL	E2 10 7CE1 UL	**10**	30	9
48593407	B7201C.T.P4S.UL	E2 12 7CE1 UL	**12**	32	10
48593423	B7202C.T.P4S.UL	E2 15 7CE1 UL	**15**	35	11
48593439	B7203C.T.P4S.UL	E2 17 7CE1 UL	**17**	40	12
48593455	B7204C.T.P4S.UL	E2 20 7CE1 UL	**20**	47	14
48593471	B7205C.T.P4S.UL	E2 25 7CE1 UL	**25**	52	15
48593487	B7206C.T.P4S.UL	E2 30 7CE1 UL	**30**	62	16
48593503	B7207C.T.P4S.UL	E2 35 7CE1 UL	**35**	72	17
48593519	B7208C.T.P4S.UL	E2 40 7CE1 UL	**40**	80	18
48593535	B7209C.T.P4S.UL	E2 45 7CE1 UL	**45**	85	19
48593551	B7210C.T.P4S.UL	E2 50 7CE1 UL	**50**	90	20
48593567	B7211C.T.P4S.UL	E2 55 7CE1 UL	**55**	100	21
48593583	B7212C.T.P4S.UL	E2 60 7CE1 UL	**60**	110	22
48593599	B7213C.T.P4S.UL	E2 65 7CE1 UL	**65**	120	23
48593615	B7214C.T.P4S.UL	E2 70 7CE1 UL	**70**	125	24
48593631	B7215C.T.P4S.UL	E2 75 7CE1 UL	**75**	130	25
48593700	B71900C.T.P4S.UL	VEB 10 7CE1 UL	**10**	22	6
48593701	B71901C.T.P4S.UL	VEB 12 7CE1 UL	**12**	24	6
48593702	B71902C.T.P4S.UL	VEB 15 7CE1 UL	**15**	28	7
48593703	B71903C.T.P4S.UL	SEB 17 7CE1 UL	**17**	30	7
48593704	B71904C.T.P4S.UL	SEB 20 7CE1 UL	**20**	37	9
48593705	B71905C.T.P4S.UL	SEB 25 7CE1 UL	**25**	42	9
48593706	B71906C.T.P4S.UL	SEB 30 7CE1 UL	**30**	47	9
48593707	B71907C.T.P4S.UL	SEB 35 7CE1 UL	**35**	55	10
48593708	B71908C.T.P4S.UL	SEB 40 7CE1 UL	**40**	62	12

Cuscinetto radiale ad una corona di rulli cilindrici
Radial single row straight roller bearing



ART.48603 GnuBo

ART. 48603

Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48603027	N203	17	40	12	48603252	NJ214ET2	70	125	24	48603484	NU1006	30	55	13	48603708	NU2213ET2	65	120	31
48603034	N204ET2X	20	47	14	48603259	NJ215ET2	75	130	25	48603491	NU1007P	35	62	14	48603715	NU2214ET2	70	125	31
48603041	N205ET2X	25	52	15	48603266	NJ218ET2	90	160	30	48603498	NU1008MP	40	68	15	48603722	NU2215ET2	75	130	31
48603048	N206ET2X	30	62	16	48603273	NJ2205ET2	25	52	18	48603505	NU1009P	45	75	16	48603729	NU2216ET2	80	140	33
48603055	N207ET2X	35	72	17	48603280	NJ2206ET2	30	62	20	48603512	NU1010	50	80	16	48603736	NU2304ET2	20	52	21
48603062	N208	40	80	18	48603287	NJ2208ET2	40	80	23	48603519	NU1012	60	95	18	48603743	NU2305ET2	25	62	24
48603069	N209	45	85	19	48603294	NJ2209ET2	45	85	23	48603526	NU203	17	40	12	48603750	NU2306ET2	30	72	27
48603076	N210	50	90	20	48603301	NJ2210ET2	50	90	23	48603533	NU204ET2	20	47	14	48603757	NU2307ET2	35	80	31
48603083	N211	55	100	21	48603308	NJ2211ET2	55	100	25	48603540	NU205ET2	25	52	15	48603764	NU2308ET2	40	90	33
48603090	N212	60	110	22	48603315	NJ2212ET2	60	110	28	48603547	NU206ETX2	30	62	16	48603771	NU2309ET2	45	100	36
48603097	N213ET2X	65	120	23	48603322	NJ2214ET2	70	125	31	48603554	NU207ET2	35	72	17	48603778	NU2310ET2	50	110	40
48603104	N214	70	125	24	48603329	NJ2311ET2	55	120	43	48603561	NU208ET2	40	80	18	48603785	NU2311ET2	55	120	43
48603111	N215	75	130	25	48603336	NJ2312ET2	60	130	46	48603568	NU209ET2	45	85	19	48603792	NU2312ET2	60	130	46
48603118	N305ET2X	25	62	17	48603343	NJ2317ET2C3	85	180	60	48603575	NU210ET2C3	50	90	20	48603799	NU2313ET2	65	140	48
48603125	N306	30	72	19	48603350	NJ304ET2	20	52	15	48603582	NU211ET2	55	100	21	48603806	NU2314ET2	70	150	51
48603132	N307ET2X	35	80	21	48603357	NJ305ET2	25	62	17	48603589	NU212ET2	60	110	22	48603813	NU2315ET2	75	160	55
48603139	N308	40	98	23	48603364	NJ306ET2	30	72	19	48603596	NU213ET2	65	120	23	48603820	NU2316	80	170	50
48603146	N309	45	100	25	48603371	NJ307ET2	35	80	21	48603603	NU214ET2	70	125	24	48603827	NU2317	85	180	60
48603153	N310	50	110	27	48603378	NJ308ET2	40	90	23	48603610	NU215ET2	75	130	25	48603834	NU304ET2	20	32	15
48603160	N312	60	130	31	48603385	NJ309ET2	45	100	25	48603617	NU216ET2	80	140	26	48603841	NU305ET2	25	62	17
48603167	N313	65	140	33	48603392	NJ310ET2	50	110	27	48603624	NU218ET2	90	160	30	48603848	NU306ET2	30	72	19
48603175	NJ203	17	40	12	48603399	NJ311ET2	55	120	29	48603631	NU219ET2	95	170	32	48603855	NU307ET2	35	80	21
48603182	NJ204ET2X	20	47	14	48603406	NJ312ET2	60	130	31	48603638	NU2203P	17	40	16	48603862	NU308ET2	40	90	23
48603189	NJ205ET2X	25	52	15	48603413	NJ313ET2	65	140	33	48603645	NU2204ET2X	20	47	18	48603869	NU309ET2	45	100	25
48603196	NJ206ET2X	30	62	16	48603427	NJ314ET2C3	70	150	35	48603652	NU2205ET2	25	52	18	48603876	NU310ET2	50	110	27
48603203	NJ207ET2X	35	72	17	48603434	NJ315ET2	75	160	37	48603659	NU2206ET2	30	62	20	48603883	NU311ET2	55	120	29
48603210	NJ208ET2X	40	80	18	48603441	NJ316ET2	80	170	39	48603666	NU2207ET2	35	72	23	48603890	NU312ET2C3	60	130	31
48603217	NJ209ET2X	45	85	19	48603448	NJ317ET2	85	180	41	48603673	NU2208ET2	40	80	23	48603897	NU313ET2	65	140	33
48603224	NJ210ET2X	50	90	20	48603455	NJ318ET2	90	190	43	48603680	NU2209ET2	45	85	23	48603904	NU314ET2	70	150	35
48603231	NJ211ET2X	55	100	21	48603462	NJ319ET2	95	200	45	48603687	NU2210ET2	50	90	23	48603911	NU315ET2	75	160	37
48603238	NJ212ET2X	60	110	22	48603469	NJ320ET2	100	215	47	48603694	NU2211ET2	55	100	25	48603918	NU316ET2C3	80	170	39
48603245	NJ213ET2	65	120	23	48603477	NU1005	25	47	12	48603701	NU2212ET2	60	110	28	48603925	NU319ET2	95	200	45

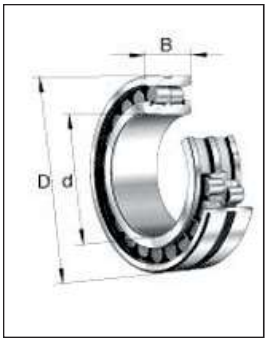
Cuscinetto radiale a due corone di rulli cilindrici
Radial double row straight roller bearing

ART.48613 GnuBo

ART. 48613

Dati tecnici / Technical data

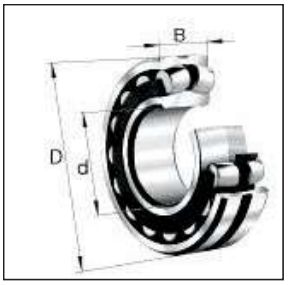
cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48613083	NN3006KC1NAP5	30	55	19
48613090	NN3007ASK.M.SP	35	62	20
48613097	NN3008KC1NAP5	40	68	21
48613104	NN3009KC1NAP5	45	75	23
48613111	NN3010KC1NAP5	50	80	23
48613118	NN3011KC1NAP5	55	90	26
48613132	NN3013ASK.M.SP	65	100	26
48613139	NN3014KC1NAP5	70	110	30
48613146	NN3015ASK.M.SP	75	115	30
48613153	NN3016KC1NAP5	80	125	34
48613160	NN3017ASK.M.SP	85	130	34
48613167	NN3018ASK.M.SP	90	140	37



PREFISSI E SUFFISSI DEI CUSCINETTI A PAG. 318

Cuscinetti a rulli - Orientabili - A rulli conici

Cuscinetto radiale orientabile a due corone di rulli cilindrici
Adjustable radial double row straight roller bearing



ART.48653 GnuBo

ART. 48653

Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]	cod. code	tipo kind	d [mm]	D [mm]	B [mm]
48653083	*21306*	**30**	72	19	48653187	*22210CD1*	**50**	90	23	48653315	*22310CD1*	**50**	110	40
48653091	*21307*	**35**	80	21	48653195	*22211ED1*	**55**	100	25	48653323	*22311BD1*	**55**	120	43
48653099	*21308CD1*	**40**	90	23	48653203	*22212BD1*	**60**	110	28	48653331	*22312BD1*	**60**	130	46
48653107	*21309CD1*	**45**	100	25	48653211	*22213BD1*	**65**	120	31	48653339	*22313BD1C3*	**65**	140	48
48653115	*21310CD1*	**50**	110	27	48653219	*22214BD1*	**70**	125	31	48653347	*22314BD1C3*	**70**	150	51
48653123	*21311D1*	**55**	120	29	48653235	*22215BD1*	**75**	130	31	48653355	*22315BD1*	**75**	160	55
48653131	*21312D1*	**60**	130	31	48653243	*22216BD1*	**80**	140	33	48653363	*22316BD1*	**80**	170	58
48653139	*21314D1*	**70**	150	35	48653259	*22217BD1*	**85**	150	36	48653371	*22317BD1*	**85**	180	60
48653147	*22205*	**25**	52	18	48653275	*22218BD1*	**90**	160	40	48653379	*22318BD1*	**90**	190	64
48653155	*22206CD1*	**30**	62	20	48653291	*22220BD1*	**100**	180	46	48653387	*22319BD1*	**95**	200	67
48653163	*22207CD1*	**35**	72	23	48653299	*22308CD1*	**40**	90	33	48653395	*22320BD1*	**100**	215	73
48653171	*22208CD1*	**40**	80	23	48653307	*22309CD1*	**45**	100	36	48653800	*23126ES.TVPB*	**130**	210	64
48653179	*22209CD1*	**45**	85	23										

Cuscinetti a rulli - A rulli conici

Cuscinetto radiale ad una corona di rulli conici
Radial single row taper roller bearing

ART.48673 GnuBo

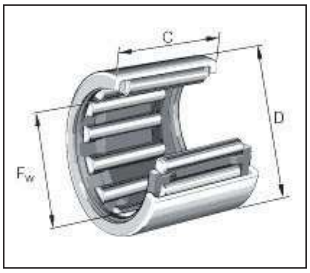
ART. 48673

Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	T [mm]	cod. code	tipo kind	d [mm]	D [mm]	T [mm]	cod. code	tipo kind	d [mm]	D [mm]	T [mm]
48673087	*4T-30202*	**15**	35	12	48673294	*4T-30308*	**40**	90	25	48673510	*4T-32207*	**35**	72	24
48673096	*4T-30203*	**17**	40	13	48673303	*4T-30309*	**45**	100	27	48673519	*4T-32208*	**40**	80	25
48673105	*4T-30204*	**20**	47	15	48673312	*4T-30310*	**50**	110	29	48673528	*4T-32209*	**45**	85	25
48673114	*4T-30205*	**25**	52	16	48673321	*4T-30311*	**55**	120	32	48673537	*4T-32210*	**50**	90	25
48673123	*4T-30206*	**30**	62	17	48673330	*4T-30312*	**60**	130	34	48673546	*4T-32211*	**55**	100	27
48673132	*4T-30207*	**35**	72	18	48673339	*4T-30313*	**65**	140	36	48673555	*32212U*	**60**	110	30
48673141	*4T-30208*	**40**	80	20	48673348	*4T-30314D*	**70**	150	38	48673564	*32213U*	**65**	120	33
48673150	*4T-30209*	**45**	85	21	48673357	*4T-32004X*	**20**	42	15	48673573	*32214U*	**70**	125	33
48673159	*4T-30210*	**50**	90	22	48673366	*4T-32005X*	**25**	47	15	48673582	*4T-32215*	**75**	130	33
48673168	*4T-30211*	**55**	100	23	48673375	*4T-32006X*	**30**	55	17	48673591	*4T-32216*	**80**	140	35
48673177	*30212U*	**60**	110	24	48673384	*4T-32007X*	**35**	62	18	48673600	*4T-32217*	**85**	150	39
48673186	*4T-30213*	**65**	120	25	48673393	*4T-32008X*	**40**	68	19	48673609	*4T-32218*	**90**	160	43
48673195	*4T-30214*	**70**	125	26	48673402	*4T-32009X*	**45**	75	20	48673618	*4T-32219*	**95**	170	46
48673204	*4T-30215*	**75**	130	27	48673411	*4T-32010X*	**50**	80	20	48673627	*4T-32304*	**20**	52	22
48673213	*30216U*	**80**	140	28	48673420	*4T-32011X*	**55**	90	23	48673636	*4T-32305*	**25**	62	25
48673222	*4T-30217*	**85**	150	31	48673429	*4T-32012X*	**60**	95	23	48673645	*4T-32306*	**30**	72	29
48673231	*4T-30221*	**105**	190	39	48673438	*4T-32013X*	**65**	100	23	48673654	*4T-32307*	**35**	80	33
48673240	*4T-30302*	**15**	42	14	48673447	*4T-32014X*	**70**	110	25	48673663	*4T-32308*	**40**	90	35
48673249	*4T-30303*	**17**	47	15	48673456	*4T-32015X*	**75**	115	25	48673672	*4T-32309*	**45**	100	38
48673258	*4T-30304*	**20**	52	16	48673465	*4T-32016X*	**80**	125	29	48673681	*32310U*	**50**	110	42
48673267	*4T-30305*	**25**	62	18	48673474	*4T-32017XU*	**85**	130	29	48673690	*32314U*	**70**	150	54
48673276	*4T-30306*	**30**	72	21	48673492	*4T-32205*	**25**	52	19	48673699	*32315U*	**75**	160	58
48673285	*4T-30307*	**35**	80	23	48673501	*4T-32206*	**30**	62	21					

Boccola a rullini
Drawn cup needle roller bearing

ART.48703 GnuBo



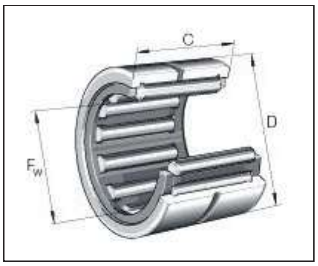
ART. 48703

Dati tecnici / Technical data

cod. code	tipo kind	F_w [mm]	D [mm]	C [mm]	cod. code	tipo kind	F_w [mm]	D [mm]	C [mm]
48703127	*HK0810C*	**8**	12	10	48703358	*HK1512*	**15**	21	12
48703160	*HK0912*	**9**	13	12	48703424	*HK1622ZWD*	**16**	22	22
48703193	*HK1010*	**10**	14	10	48703457	*HK1814L*	**18**	24	14
48703226	*HK1015*	**10**	14	15	48703490	*HK2020C*	**20**	26	20
48703259	*HK1210*	**12**	16	10	48703523	*HK2820*	**28**	35	20
48703292	*HK1212*	**12**	18	12	48703556	*HK3016C*	**30**	37	16

Cuscinetto a rullini senza anello interno
Needle roller bearing without inner ring

ART.48712 GnuBo



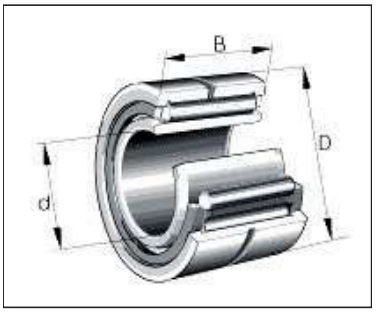
ART. 48712

Dati tecnici / Technical data

cod. code	tipo kind	F_w [mm]	D [mm]	C [mm]	cod. code	tipo kind	F_w [mm]	D [mm]	C [mm]	cod. code	tipo kind	F_w [mm]	D [mm]	C [mm]
48712123	*NK 9/12T2*	**9**	16	12	48712240	*NK18/16R*	**18**	26	16	48712357	*NK26/20R*	**26**	34	20
48712132	*NK10/12T2*	**10**	17	12	48712249	*NK18/20R*	**18**	26	20	48712366	*NK28/20R*	**28**	37	20
48712141	*NK10/16*	**10**	17	16	48712258	*NK19/16R*	**19**	27	16	48712375	*NK28/30R*	**28**	37	30
48712150	*NK12/12*	**12**	19	12	48712267	*NK19/20R*	**19**	27	20	48712384	*NK30/20R*	**30**	40	20
48712159	*NK12/16*	**12**	19	16	48712276	*NK20/16R*	**20**	28	16	48712393	*NK30/30R*	**30**	40	30
48712168	*NK14/16R*	**14**	22	16	48712285	*NK20/20R*	**20**	28	20	48712402	*NK32/20R*	**32**	42	20
48712177	*NK14/20R*	**14**	22	20	48712294	*NK22/16R*	**22**	30	16	48712411	*NK32/30R*	**32**	42	30
48712186	*NK15/16R*	**15**	23	16	48712303	*NK22/20R*	**22**	30	20	48712420	*NK35/30R*	**35**	45	30
48712195	*NK15/20R*	**15**	23	20	48712312	*NK24/16R*	**24**	32	16	48712429	*NK40/20R*	**40**	50	20
48712204	*NK16/16R*	**16**	24	16	48712321	*NK24/20R*	**24**	32	20	48712438	*NK40/30R*	**40**	50	30
48712213	*NK16/20R*	**16**	24	20	48712330	*NK25/16R*	**25**	33	16	48712447	*NK42/20R*	**42**	52	20
48712222	*NK17/16R*	**17**	25	16	48712339	*NK25/20R*	**25**	33	20	48712456	*NK42/30R*	**42**	52	30
48712231	*NK17/20R*	**17**	25	20	48712348	*NK26/16R*	**26**	34	16	48712500	*NK45/30R*	**45**	55	30

Cuscinetto a rullini con anello interno
Needle roller bearing with inner ring

ART.48716 GnuBo



ART. 48716

Dati tecnici / Technical data

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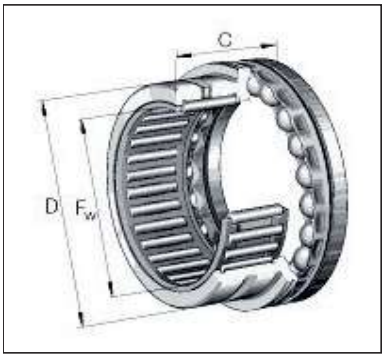
48716140	*NAO 12x24x13*	**12**	24	13	48716376	*NA4910R*	**50**	72	22
48716143	*NA 12x28x15*	**12**	28	15	48716399	*NA4911R*	**55**	80	25
48716146	*NA2201LL*	**12**	32	14	48716422	*NA4912R*	**60**	85	25
48716169	*NA4902R*	**15**	28	13	48716445	*NA4914R*	**70**	100	30
48716192	*NA4903R*	**17**	30	13	48716468	*NA4915R*	**75**	105	30
48716238	*NA4904R*	**20**	37	17	48716491	*NA4916R*	**80**	110	30
48716261	*NA4905R*	**25**	42	17	48716514	*NA6907R*	**35**	55	36
48716284	*NA4906R*	**30**	47	17	48716537	*NA6908R*	**40**	62	40
48716307	*NA4907R*	**35**	55	20	48716560	*NA6910R*	**50**	72	40
48716330	*NA4908R*	**40**	62	22	48716583	*NA6912R*	**60**	85	45
48716353	*NA4909R*	**45**	68	22					

Cuscinetto combinato a rullini con assiale a sfere
Needle roller-axial ball bearing

ART.48783 GnuBo



ART. 48783

Dati tecnici / Technical data

cod. code	tipo kind	F_w [mm]	D [mm]	C [mm]
48783010	*NKX10T2Z*	**10**	19	23
48783012	*NKX12T2Z*	**12**	21	23
48783015	*NKX15T2Z*	**15**	24	23
48783017	*NKX17T2Z*	**17**	26	25
48783020	*NKX20T2Z*	**20**	30	30
48783025	*NKX25T2Z*	**25**	37	30
48783030	*NKX30T2Z*	**30**	42	30
48783035	*NKX35T2Z*	**35**	47	30
48783040	*NKX40Z*	**40**	52	32

Cuscinetto assiale a sfere a semplice effetto
Single acting thrust ball bearing

ART.48803 GnuBo

ART. 48803

Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	T [mm]	cod. code	tipo kind	d [mm]	D [mm]	T [mm]	cod. code	tipo kind	d [mm]	D [mm]	T [mm]
48803123	*51100*	**10**	24	9	48803294	*51120*	**100**	135	25	48803465	*51209*	**45**	73	20
48803132	*51101*	**12**	26	9	48803303	*51122*	**110**	145	25	48803474	*51210*	**50**	78	22
48803141	*51102*	**15**	28	9	48803312	*51124*	**120**	155	25	48803483	*51211*	**55**	90	25
48803150	*51103*	**17**	30	9	48803321	*51126*	**130**	170	30	48803492	*51212*	**60**	95	26
48803159	*51104*	**20**	35	10	48803330	*51128*	**140**	180	31	48803501	*51213*	**65**	100	27
48803168	*51105*	**25**	42	11	48803339	*51130*	**150**	190	31	48803510	*51214*	**70**	105	27
48803177	*51106*	**30**	47	11	48803348	*51132*	**160**	200	31	48803519	*51215*	**75**	110	27
48803186	*51107*	**35**	52	12	48803357	*51134*	**170**	215	34	48803528	*51216*	**80**	115	28
48803195	*51108*	**40**	60	13	48803366	*51136*	**180**	225	34	48803537	*51217*	**85**	125	31
48803204	*51109*	**45**	65	14	48803375	*51140*	**200**	250	37	48803546	*51218*	**90**	135	35
48803213	*51110*	**50**	70	14	48803384	*51200*	**10**	26	11	48803555	*51220*	**100**	150	38
48803222	*51111*	**55**	78	16	48803393	*51201*	**12**	28	11	48803564	*51224*	**120**	170	39
48803231	*51112*	**60**	85	17	48803402	*51202*	**15**	32	12	48803573	*51305*	**25**	52	18
48803240	*51113*	**65**	90	18	48803411	*51203*	**17**	35	12	48803582	*51306*	**30**	60	21
48803249	*51114*	**70**	95	18	48803420	*51204*	**20**	40	14	48803591	*51307*	**35**	68	24
48803258	*51115*	**75**	100	19	48803429	*51205*	**25**	47	15	48803600	*51308*	**40**	78	26
48803267	*51116*	**80**	105	19	48803438	*51206*	**30**	52	16	48803609	*51309*	**45**	85	28
48803276	*51117*	**85**	110	19	48803447	*51207*	**35**	62	18	48803618	*51310*	**50**	95	31
48803285	*51118*	**90**	120	22	48803456	*51208*	**40**	68	19	48803627	*51312*	**60**	110	35
										48803636	*52212*	**55**	100	47

Manicotto rigido a ricircolo di sfere
Rigid coupling sleeve bearing

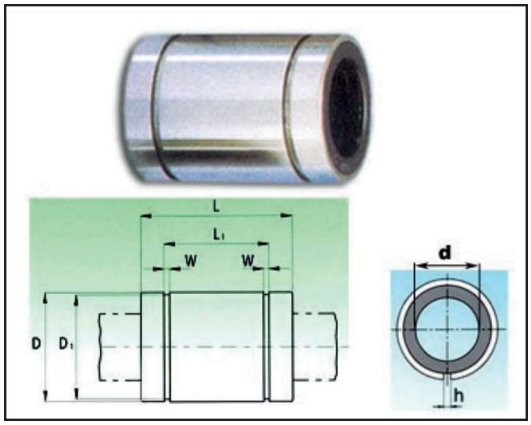
Cuscinetti vari - Manicotti

ART.48823 GnuBo

ART. 48823

Dati tecnici / Technical data

cod. code	tipo kind	d [mm]	D [mm]	L [mm]	L_1 [mm]	W [mm]	D_1 [mm]	h [mm]
48823127	*KB12GUUAJ*	**12**	22	32	22,9	1,30	21	1,5
48823161	*KB16GUUAJ*	**16**	26	36	24,9	1,30	24,9	2
48823195	*KB20GUUAJ*	**20**	32	45	31,5	1,60	30,3	2
48823230	*KB25GUUAJ*	**25**	40	58	44,1	1,85	37,5	8
48823263	*KB30GUUAJ*	**30**	47	68	52,1	1,85	44,5	8
48823300	*KB40GUUAJ*	**40**	62	80	60,6	2,15	59	8
48823330	*KB50GUUAJ*	**50**	75	100	77,6	2,65	72	3
48823331	*KBS50100PP*	**50**	75	100	77,6	2,65	72	3



Descrizione:
Manicotto rigido a ricircolo di sfere, modello registrabile, non flangiato, con gabbia in poliammide.

Rigid coupling sleeve bearing, adjusting kind, not flanged, cage made in polyamide.

Cuscinetti vari - Perni folli

Perno folle KR
KR stud type track roller

ART.48843 GnuBo

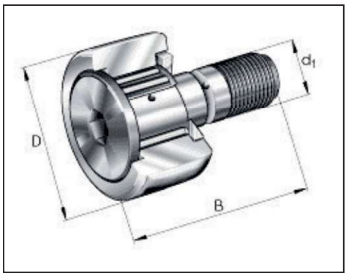
Descrizione:
Perno folle KR per carichi elevati, con guida assiale tramite bordo e ralla di guida, tenuta non strisciante. E' costituito da un perno con bordo, un anello esterno, una gabbia a rullini ed una ralla di guida montata con interferenza.
Sono permessi lunghi intervalli di rilubrificazione.

KR stud type track roller for high loads, with axial guide by edge and fifth wheel, not sliding seal.
It is made with a pin with edge, an external ring, a needle cage and fifth wheel mounted with interference. You can use them with long re-lubrication gaps.

ART. 48843

Dati tecnici / Technical data

cod. code	tipo kind	D [mm]	d_1 [mm]	B [mm]
48843016	*KR 16*	**16**	6	28
48843019	*KR 19*	**19**	8	32
48843022	*KR 22*	**22**	10	36
48843026	*KR 26*	**26**	10	36
48843030	*KR 30*	**30**	12	40
48843032	*KR 32*	**32**	12	40
48843035	*KR 35*	**35**	16	52

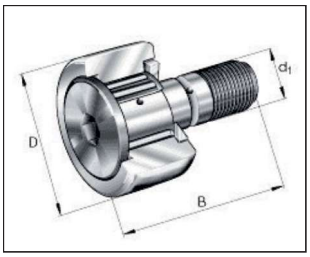


Perno folle NUKR
NUKR stud type track roller

ART.48846

Descrizione:
Perno folle NUKR per carichi particolarmente elevati ed elevati sforzi laterali, con guida assiale tramite i corpi volventi, a pieno riempimento di rulli cilindrici, tenute a labirinto. E' costituito da un perno con bordo integrale, un anello esterno con doppio bordo, un gruppo volvente a pieno riempimento, anelli con sezioni ad L ed un anello di guida montato con interferenza. E' necessario prevedere una frequente rilubrificazione.

ART. 48846				
Dati tecnici / Technical data				
cod. code	tipo kind	D [mm]	d_1 [mm]	B [mm]
48846040	*NUKR 40*	**40**	18	58
48846052	*NUKR 52*	**52**	20	66



NUKR stud type track roller for particulary high loads and high lateral loads, with axial guide by rolling bodies, with roller bearing, labirint seals. It is made with a pin with integral edge, an external ring with double edge, L section rings and a guide ring mounted with interference. You often have to re-lubricate them.

Sfere di acciaio
Steel balls

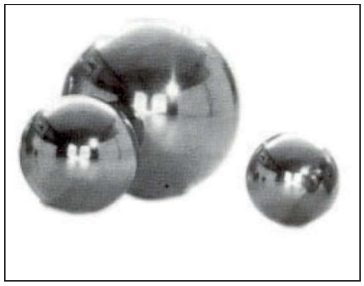
Cuscinetti vari - Sfere

ART.48863

Descrizione:
Sfere in acciaio al cromo AISI 52100 UNI 100C6 temprato.

Balls made of hardened chromium steel AISI 52100 UNI 100C6.

ART. 48863		
Dati tecnici / Technical data		
cod. code	diametro diameter ["]	diametro diameter [mm]
48863025	3/32	2,381
48863050	1/8	3,175
48863075	5/32	3,969
48863100	3/16	4,763
48863125	1/4	6,350
48863150	5/16	7,938
48863175	3/8	9,525
48863200	1/2	12,700
48863225	5/8	15,875
48863250	3/4	19,050

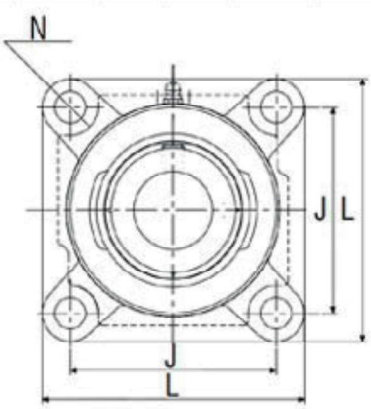


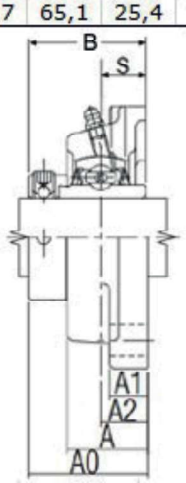
Cuscinetti vari - Supporti

Supporto a flangia quadra UCF
Square flange unit UCF

ART.48883

ART. 48883														
Dati tecnici / Technical data														
cod. code	tipo kind	diam. albero shaft diam. [mm]	L [mm]	J [mm]	A_2 [mm]	A_1 [mm]	A [mm]	N [mm]	A_0 [mm]	B [mm]	S [mm]	dimens. bulloni bolt size [mm]	cuscinetto bearing	supporto housing
48883015	*UCF 202*	**15**	86	64	15	11	25,5	12	33,3	31	12,7	M10	UC202	F204
48883017	*UCF 203*	**17**	86	64	15	11	25,5	12	33,3	31	12,7	M10	UC203	F204
48883020	*UCF 204*	**20**	86	64	15	11	25,5	12	33,3	31	12,7	M10	UC204	F204
48883025	*UCF 205*	**25**	95	70	16	13	27	12	35,8	34,1	14,3	M10	UC205	F205
48883030	*UCF 206*	**30**	108	83	18	13	31	12	40,2	38,1	15,9	M10	UC206	F206
48883035	*UCF 207*	**35**	117	92	19	15	34	14	44,4	42,9	17,5	M12	UC207	F207
48883040	*UCF 208*	**40**	130	102	21	15	36	16	51,2	49,2	19	M14	UC208	F208
48883045	*UCF 209*	**45**	137	105	22	16	38	16	52,2	49,2	19	M14	UC209	F209
48883050	*UCF 210*	**50**	143	111	22	16	40	16	54,6	51,6	19	M14	UC210	F210
48883060	*UCF 212*	**60**	175	143	29	18	48	19	68,7	65,1	25,4	M16	UC212	F212





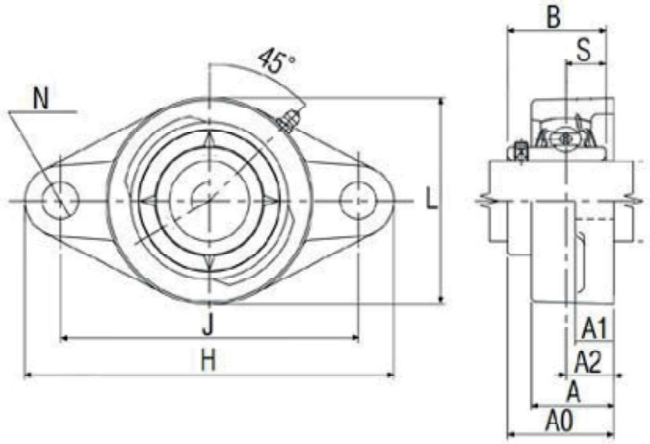
Supporto a flangia ovale UCFL
Oval flange unit UCFL

ART.48884

ART. 48884

Dati tecnici / Technical data

cod. code	tipo kind	diam. albero shaft diam. [mm]	H [mm]	J [mm]	A_2 [mm]	A_1 [mm]	A [mm]	N [mm]	L [mm]	A_0 [mm]	B [mm]	S [mm]	dimens. bulloni bolt size [mm]	cuscinetto bearing	supporto housing
48884020	*UCFL 204*	**20**	113	90	15	11	25,5	12	60	33,3	31	12,7	M10	UC204	FL204
48884025	*UCFL 205*	**25**	130	99	16	13	27	16	68	35,8	34,1	14,3	M14	UC205	FL205
48884030	*UCFL 206*	**30**	148	117	18	13	31	16	80	40,2	38,1	15,9	M14	UC206	FL206
48884035	*UCFL 207*	**35**	161	130	19	15	34	16	90	44,4	42,9	17,5	M14	UC207	FL207
48884040	*UCFL 208*	**40**	175	144	21	15	36	16	100	51,2	49,2	19	M14	UC208	FL208



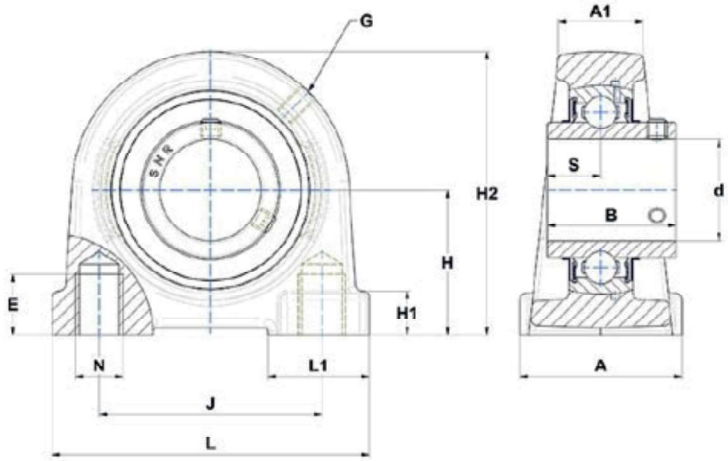
Supporto ritto senza piedi UCPA
Tapped base pillow block UCPA

ART.48885

ART. 48885

Dati tecnici / Technical data

cod. code	tipo kind	diam. albero d shaft diam. d [mm]	H [mm]	L [mm]	L_1 [mm]	J [mm]	A [mm]	A_1 [mm]	E [mm]	G [mm]	H_1 [mm]	H_2 [mm]	B [mm]	S [mm]	N [mm]	cuscinetto bearing	supporto housing
48885020	*UCPA 204*	**20**	30,2	76	22	52	40	22	13	M6x1	11	62	31	12,7	M10	UC204	PA204
48885025	*UCPA 205*	**25**	36,5	84	27	56	38	23	15	M6x1	12	72	34	14,3	M10	UC205	PA205
48885030	*UCPA 206*	**30**	42,9	94	30	66	48	25	18	M6x1	13	84	38,1	15,9	M14	UC206	PA206
48885035	*UCPA 207*	**35**	47,6	110	30	80	48	27	20	M6x1	13	95	42,9	17,5	M14	UC207	PA207
48885040	*UCPA 208*	**40**	49,2	116	32	84	54	28	20	M6x1	13	100	49,2	19	M14	UC208	PA208



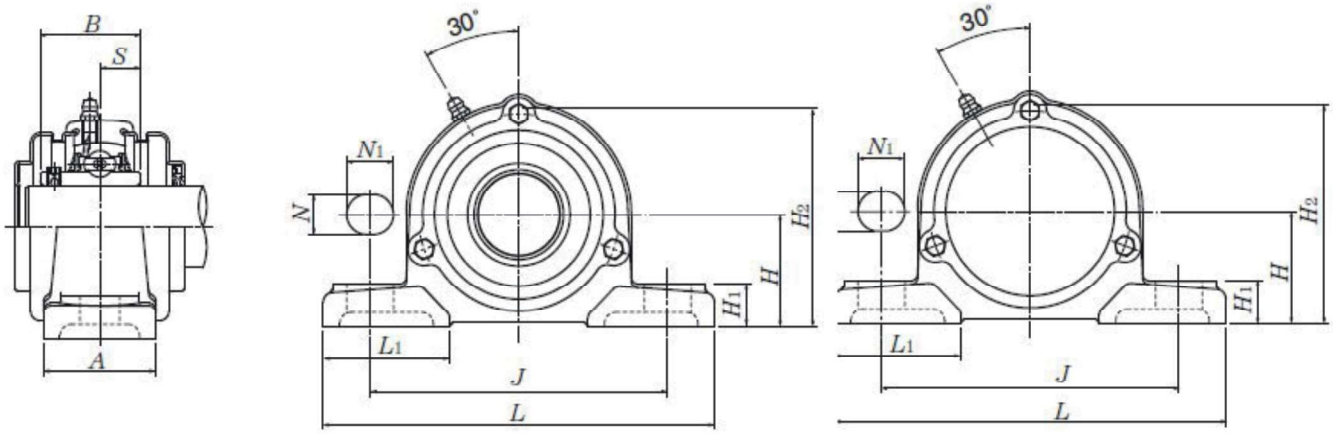
Supporto ritto UCP
Pillow block unit UCP

ART.48886 GnuBo

ART. 48886

Dati tecnici / Technical data

cod. code	tipo kind	diam. albero shaft diam. [mm]	H [mm]	L [mm]	J [mm]	A [mm]	N [mm]	N_1 [mm]	H_1 [mm]	H_2 [mm]	L_1 [mm]	B [mm]	S [mm]	dimens. bulloni bolt size [mm]	cuscinetto bearing	supporto housing
48886020	*UCP 204*	**20**	33,3	127	95	38	13	16	14	65	42	31	12,7	M10	UC204	P204
48886025	*UCP 205*	**25**	36,5	140	105	38	13	16	15	71	42	34,1	14,3	M10	UC205	P205
48886030	*UCP 206*	**30**	42,9	165	121	48	17	20	17	83	54	38,1	15,9	M14	UC206	P206
48886035	*UCP 207*	**35**	47,6	167	127	48	17	20	18	93	54	42,9	17,5	M14	UC207	P207
48886040	*UCP 208*	**40**	49,2	184	137	54	17	20	18	98	52	49,2	19	M14	UC208	P208
48886045	*UCP 209*	**45**	54	190	146	54	17	20	20	106	60	49,2	19	M14	UC209	P209
48886050	*UCP 210*	**50**	57,2	206	159	60	20	23	21	114	65	51,6	19	M16	UC210	P210
48886055	*UCP 211*	**55**	63,5	219	171	60	20	23	23	126	65	55,6	22,2	M16	UC211	P211
48886060	*UCP 212*	**60**	69,8	241	184	70	20	23	25	138	70	65,1	25,4	M16	UC212	P212



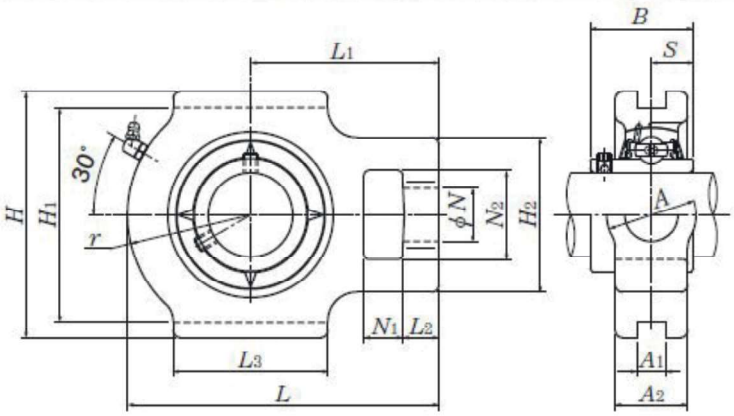
Supporto scorrevole UCT
Take-up unit UCT

ART.48889 GnuBo

ART. 48889

Dati tecnici / Technical data

cod. code	tipo kind	diam. albero shaft diam. [mm]	N_1 [mm]	L_2 [mm]	H_2 [mm]	N_2 [mm]	N [mm]	L_3 [mm]	A_1 [mm]	H_1 [mm]	H [mm]	L [mm]	A_2 [mm]	A [mm]	r [mm]	L_1 [mm]	B [mm]	S [mm]	cuscinetto bearing	supporto housing
48889020	*UCT 204*	**20**	16	12	51	32	19	51	12	76	89	94	21	32	33	61	31	12,7	UC204	T204
48889025	*UCT 205*	**25**	16	12	51	32	19	51	12	76	89	97	24	32	35	62	34,1	14,3	UC205	T205
48889030	*UCT 206*	**30**	16	12	56	37	22	57	12	89	102	113	28	37	43	70	38,1	15,9	UC206	T206
48889035	*UCT 207*	**35**	16	15	64	37	22	64	12	89	102	129	30	37	51	78	42,9	17,5	UC207	T207
48889040	*UCT 208*	**40**	19	18	83	49	29	83	16	102	114	144	33	49	56	88	49,2	19	UC208	T208



PREFISSI e SUFFISSI DEI CUSCINETTI			
NTN	FAG	ISB	significato
LLU	2RS* / 2RSR	2RS	cuscinetti a sfera con tenute a contatto in gomma sintetica su entrambi i lati
ZZ	2Z* / 2ZR	ZZ	cuscinetti a sfera con schermi in metallo su entrambi i lati
CM			cuscinetti a sfera con gioco ristretto per cuscinetti per motori elettrici
T2	TVH / TVP	ATN9	cuscinetti a sfera con gabbia in poliammide rinforzata con fibre di vetro
A		A	cuscinetti obliqui a sfera con angolo di contatto 30°
B	B	B	cuscinetti obliqui a sfera con angolo di contatto 40°
C	C	C	cuscinetti obliqui a sfera con angolo di contatto 15°
32..	52..		stessi cuscinetti a sfera con gabbia in lamiera stampata ma le serie 32.. E 33.. hanno un foro per l'introduzione delle sfere
33..	53..		
E	E		cuscinetti a rulli cilindrici con geometria interna modificata per aumentare la capacità di carico
T2	TVP2	P	cuscinetti a rulli cilindrici con gabbia in poliammide rinforzata con fibre di vetro
G1	M1	M	cuscinetti a rulli cilindrici con gabbia massiccia in ottone
NA	NA		cuscinetti a rulli cilindrici con elementi non intercambiabili
P5	P5		cuscinetti a rulli cilindrici con classe di precisione JIS 5
	SP		cuscinetti a rulli cilindrici con classe di precisione speciale
B			cuscinetti orientabili a rulli cilindrici tipo normale
C			cuscinetti orientabili a rulli cilindrici con rulli simmetrici
D1	AS		cuscinetti orientabili a rulli cilindrici con gola e fori di lubrificazione nell'anello esterno
4T-			cuscinetti a rulli conici in acciaio da cementazione
(B)			cuscinetti a rulli conici con angolo di contatto < 10° e ≤ 17° (non viene indicato)
C			cuscinetti a rulli conici con angolo di contatto < 17° e ≤ 24°
D			cuscinetti a rulli conici con angolo di contatto < 24° e ≤ 32°
U	U		cuscinetti a rulli conici intercambiabili a livello internazionale
C			cuscinetti a rullini con gabbia in lamiera d'acciaio stampata
ZW			cuscinetti a rullini a 2 corone
D			codice interno x la forma della pista nei cuscinetti a rullini
L			cuscinetti a rullini con tenuta a contatto in gomma sintetica su un lato
LL			cuscinetti a rullini con tenuta a contatto in gomma sintetica su entrambi i lati
T2			cuscinetti a rullini con gabbia in poliammide rinforzata con fibre di vetro
R			cuscinetti a rullini con diametro del foro interno >= mm 14
Z			cuscinetti a rullini combinati con coperchio parapolvere
K	K	K	anello interno con foro conico, conicità 1:12
X	X		suffisso dimensionale
C1	C1		gioco radiale ridotto
C3	C3	C3	gioco superiore al normale
/1K			grasso Kyodo-Yushi Multemp PS -55° +130°C
/5K			lubrificazione Multemp SRL
/2A			grasso Shell Alvania 2

* per cuscinetti con diametro esterno fino a mm 22

Gnutti Bortolo
INFORMAZIONI TECNICHE
TECHNICAL INFORMATION

Tabella di conversione delle durezze
Hardness Conversion Table

HV	HB	HRB	HRC	HV	HB	HRB	HRC
100	89	57	-	560	519	-	52,3
120	108	68	-	580	535	-	53,5
140	127	77	-	600	550	-	54,6
160	145	84	-	620	564	-	55,6
180	163	90	-	640	578	-	56,6
200	193	94	14	660	590	-	57,6
220	202	97	18	680	603	-	58,5
240	228	100	22	700	-	-	59,4
260	247	102	25	720	-	-	60,3
280	265	104,5	28	740	-	-	61,1
300	284	106,5	31	760	-	-	61,9
320	303	-	33	780	-	-	62,6
340	322	-	35	800	-	-	63,3
360	341	-	37	820	-	-	64,0
380	360	-	39	840	-	-	64,7
400	379	-	41	860	-	-	65,4
420	397	-	42,6	880	-	-	66,1
440	415	-	44,2	900	-	-	66,8
460	433	-	45,7	920	-	-	67,5
480	452	-	47,1	940	-	-	68,1
500	471	-	48,5	960	-	-	68,7
520	487	-	49,8	980	-	-	69,3
540	503	-	51,1	1000	-	-	69,9

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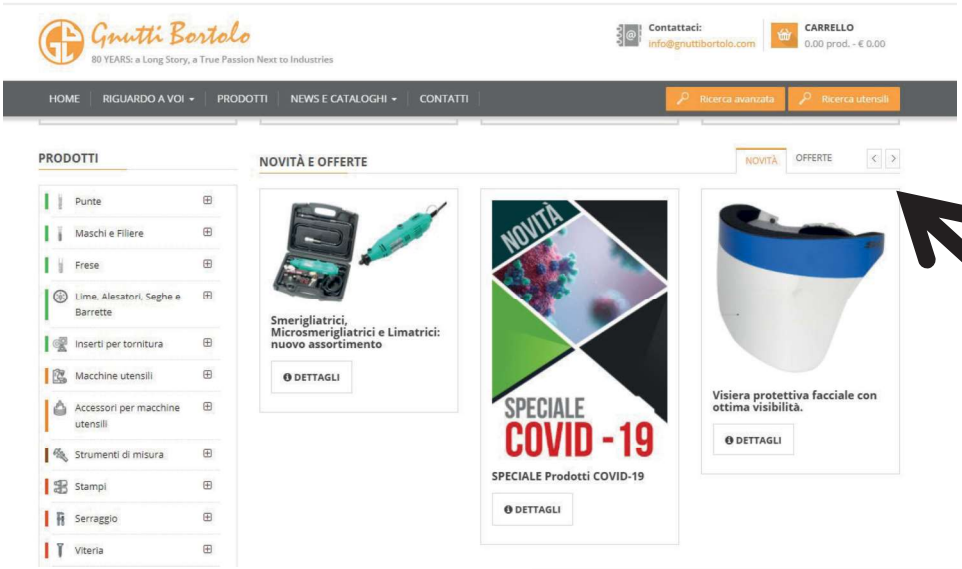
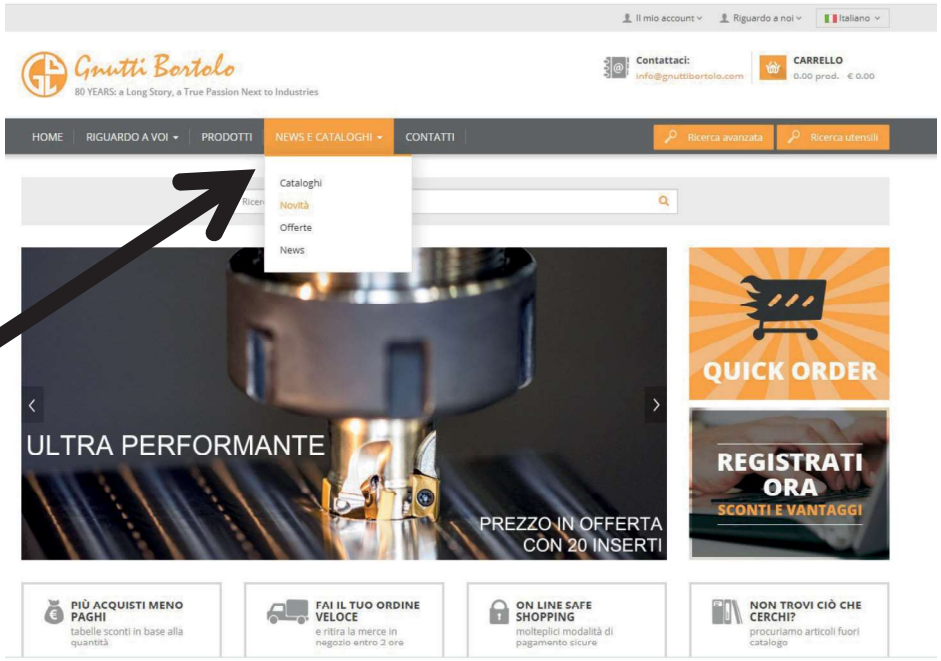
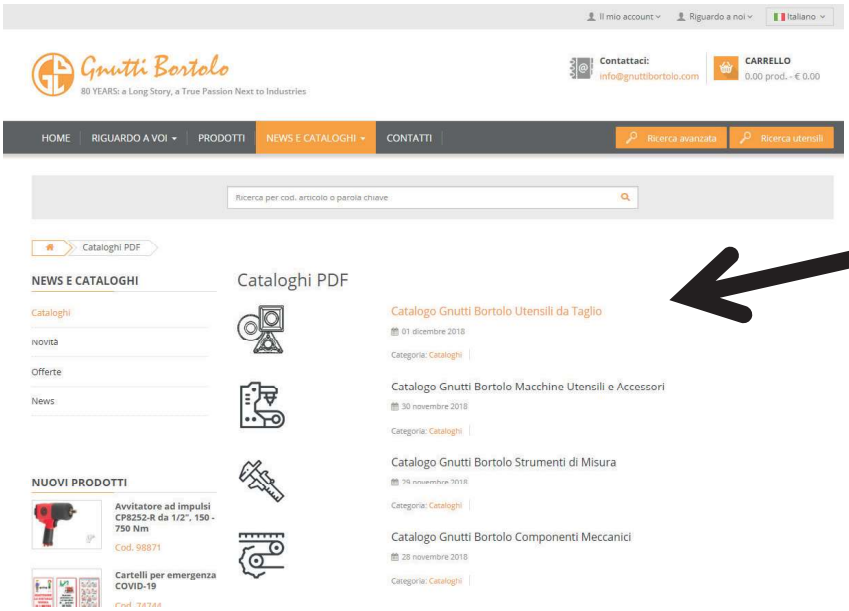
SUL SITO WEB www.gnutti bortolo.com ci sono sempre novita’ di prodotti e offerte promozionali.. Basta andare nella sezione apposita! Ecco come accederVi:



DIRETTAMENTE DALLA HOME PAGE, SCORRI IN GIU’ E TROVI LE NOVITA’ ED OFFERTE CHE GIRANO, cliccando poi sui due menu’ e scorrendo con le freccette vedo anche quelle che non appaiono in quel momento

OPPURE DALLA BARRA PRINCIPALE SOTTO LA VOCE NEWS E CATALOGHI..





MENTRE NELLA VOCE “CATALOGHI” TROVI TUTTI I PDF DEL NOSTRO CATALOGO CARTACEO SUDDIVISO PER SETTORI

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