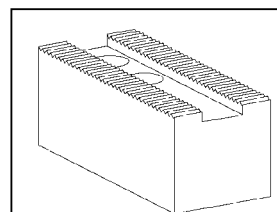
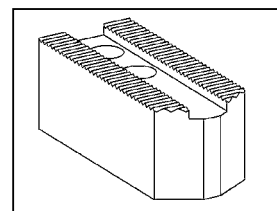


morsetti teneri standard in alluminio

standard aluminium soft jaws

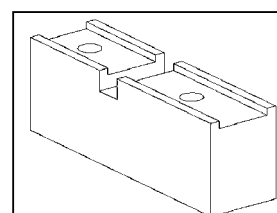
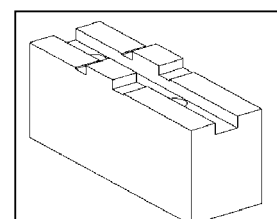
MANDRINO / chuck	PAG.	DENTATURA / pitch : 1/16"x90°- 3/32"x90°-1,5x60°
------------------	------	---

SMW-AUTOBLOK	42-45
BERG	42-43
FORKARDT	42-43
GAMET	42-43
GEIGER+HAAG	42-43
HOWA	44-45
KITAGAWA	44-45
MATSUMOTO-AUTOSTRONG-SAMCHULLY-SEOAM	44-45
ROHM	42-43
SCHUNK	42-45



MANDRINO / chuck	PAG.	INCASTRO A CROCE tongue & groove
------------------	------	-------------------------------------

SMW- AUTOBLOK	46-47
BERG	46-47
FORKARDT	46-47
M.P.T. MANUALI	48
ROHM	46-47
SCHUNK	46-47



morsetti teneri standard in alluminio

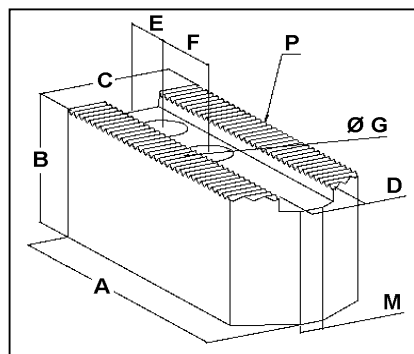
standard aluminium soft jaws

MATERIALE / material : ERGAL 7075

DENTATURA / pitch : 1/16"x90°
3/32"x90°

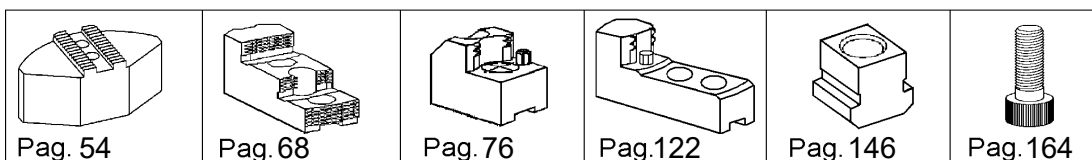
MANDRINI / chucks

AUTOBLOK - BERG
FORKARDT - GAMET
GEIGER+HAAG - ROHM
SCHUNK - SMW



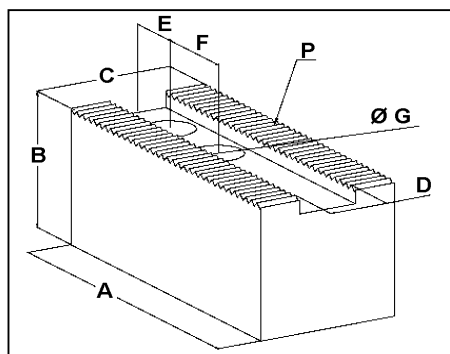
TIPO / type I

CODICE /code	Ø MAND / chuck	P	TIPO	A	B	C	D	E	F	G	M	KG	AUTOBLOK
10.22.01/AL	125-130	1/16"x90°	I	60	30	30	12	15	16	9	8	0,11	AND125;ALD125;BHD130; BBD140;HYDS150;PBD130; HBD130;GHDN125;IDN125
10.22.02/AL 10.22.02/AL50	154-170	1/16"x90°	I	75 75	35 50	35 35	14 14	16 16	16 16	11 11	8 8	0,18 0,27	AND165;ALD165;BHD165; BHD;FC165;RCD165; PBD165;HBD165;GHDN165; GHD/FC165;PBD165;
24.22.00/F AL	160	1/16"x90°	II	70	60	40	17	15	22	13	-	0,37	
24.22.01/F AL 10.22.05/AL	200	1/16"x90°	II I	90 95	60 40	40 40	17 17	25 20	22 23	13 13	- 12	0,50 0,35	AND210;ALD210;BHD210; BBD210;HYDS210;RCD210; CD200;IDN200;IDN220; IDL200;HDN200;HDL200; GHDN210;HDN/FC200; GHD/FC210;PBD210; HBD210;PBDI210; BHD/FC210;HYDS226;
24.22.02/F AL 10.22.07/AL 10.22.08/AL	250-315	1/16"x90°	II I I	120 115 130	80 50 50	50 50 50	21 21 21	30 20 22	28 30 30	17 17 17	- 20 20	1,13 0,60 0,72	AND250;ALD250;BHD250; BBD250;HYDS250;BHD- FC250;RCD250;PBD250; HBD250;PBDI250;CD250; IDN250;IDL250;HDN/FC250; HDL250;GHDN250;HDN250; GHD/FC250;AND315; ALD315;BHD315;BBD315; HYDS315;BHD/FC315;RCD305; CD315/65;CD315/85; PBD315;HBD315;PBDI315; IDN315;IDL315;HDN315; HDL315;GHDN315;HDN/FC315; GHD/FC305;HYD350
24.22.04/F AL 10.22.10/AL	400-500	3/32"x90°	II III	155 170	100 60	60 60	25,5 25,5	30 27	35 38	21 21	- -	2,2 1,32	GHDN500 HDN/FC500 RCD500

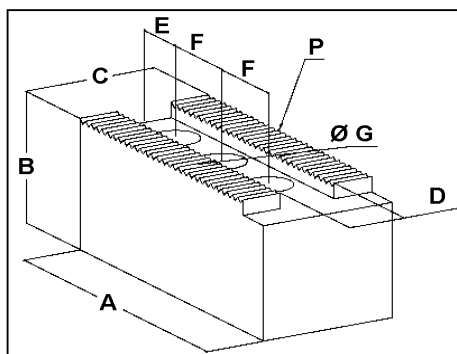


morsetti teneri standard in alluminio

standard aluminium soft jaws



TIPO / type II



TIPO / type III

	BERG	FORKARDT	GAMET	GEIGER+HAAG	SCHUNK	ROHM	SMW
	KF130			GHGY120;GHGY130 GHGY160;GHGY200		KFD130;KFH140	KDV130
			MAC165; MAC170; DELTA170; GA160; GA170;		TP160		
		KGH170;KGH175; KTG160; KGHF160; KGHF175; KTN160; KS160; KL160;KSPS160;KSF175;UVE160; NH160;KSH160;QLC175;KTH160; KTH175		GHFA175;GHN160; GHSH160;GHKS160; GHKS250;GHL160; GHHL160;GHB160; GHB160;GHB160; GHSP215;GHHSP160;	ROTA NC 165; ROTA NCF 160; ROTA NCO 165 TH165;THF165 HSL165	KFH160; KFH/NC160; KFH/F160; KFH/G160; KFD/HF160; KFD160; SPD160; SPO160;	KFKS160; KDV160; KDV160
	KF160; HES160; HES200; KHFF200; KF200; HES200; KHFF200	KGH200;KTG200;KG200;KGHF200;KTN200; KT200;KS200;KS250;KSH200;KTGF200; KL200;KSF200;KSHF200;KP200;KLNC200; KTH200;UVE200;UVE250;KSHF250/65; KG200;KSPS200;QLC210;NHF200; KSHF255/55(index);NH200;NHF250/65(index) KL250Mo;HF290/104(index);KS250Mo KLNC200;KP200; NHF250/104(index)	MAC200; MAC220; DELTA210; GA210	GHHFA200;GHHFA250; GHN200;GHSH200; GHKS200;GHKS250; GHL200;GHHL200; GHHL250;GHB190; GHB190;GHB225; GHGY250;GHGY300; GHL250Mo;GHSP215; GHHSP215;	ROTA NC 210; ROTA NCD 200; ROTA NCF 210; ROTA NCO 200; TH210;THF210; TP200;HSL210	KFH200;KFH/NC200; KFH/F200;KFH/G200; KFD/HF200;KFL250; SPD215;SPO215;KFD200	HFK200; HFKS200; KDV200; KDV250; KDV200; KDV250;
	KF250; KF315; HES250; HES315; KHFF250; KHFF315; HESF250 HESF315;	KS315;KS400;KSH250;KSH315; KSH400;KG250;KG315;KP250;KP315; KT250;KTGF250;KTGF315; QLC250;UVE315;KSHF250;KSHF315; KSHF400;KTG250;KTG315;KLNC250; KLNC315;KTN250;KTN315;KS315; NHF250;NHF315;KT315;NH250; NH315;QLC315;NHF290; NHF400(index) KL250;KSPS250; KSPS300;KS400;	MAC250; MAC315; DELTA250; DELTA260; DELTA315; GA250; GA315	GHN250;GHN315; GHSH250;GHSH315; GHKS315;GHL250; GHL280;GHHL280; GHSP300;GHHSP300;	ROTA NC 250-315 ROTA NCD250; ROTA NCF 250; ROTA NCO 250; ROTA NCD 315; ROTA NCF315; ROTA NCO 315; TH250;THF250; TP250;HSL250; HSL315;TH315; THF315;TP315;	KFH250;KFH315; KFH/NC250;KFH/NC315; KFH/F250;KFH/F315; KFH/G250;KFH/G315; KFD/HF250;KFD/HF315; KFD250;KFD315;KFL315; KFL400;LVE305;SPD300; SPO300;	HFK250; HFK315; HFKS250; HFKS315; KDV315; KDV400; KDV315; KDV400;
	KF400; KF500; KF630; HES400; HES500; HES630; KHFF400;	KS500;KS630;KSH500;KG400;KSL630; KSHF630;KL400;KTGF400;KTGF500; KT400;QLC400;UVE400;UVE500; UVE630;UVE800;KP500;KTG400; KTG500;KTN400;KTN500;KT500; KG400;KG500;NHF400;NHF500; NHF630;NH400;NH500;NH630;KL400; KL500;KLNC400;KLNC500;KP400; KT630;	DELTA400;		ROTA NC 400; ROTA NCD 400; ROTA NCF400; ROTA NCO 400; HSG400;HSL400; TH400;THF400; HSG500;TH500; THF500;	KFH400-500; KFH/NC400-500; KFH/F400-500; KFH/G400-500; KFD/HF400-500; LVE400-500; LVE630; LVE1000; KFD400-500; DV500; KFD630; KFD800; KFL500;KFL600;	HFK400; HFK500; FKS400; FKS500; DV500; DVG500;

morsetti teneri standard in alluminio

standard aluminium soft jaws

MATERIALE / material : ERGAL 7075

DENTATURA / pitch : 1,5x60°

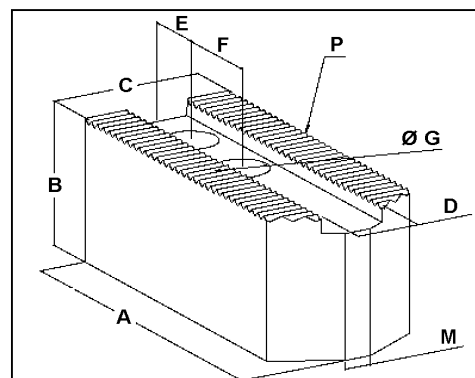
MANDRINI / chucks

AUTOBLOK (metrico / metric)

HOWA - KITAGAWA

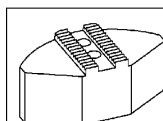
MATSUMOTO - SCHUNK

AUTOSTRONG-SAMCHULLY-SEOAM

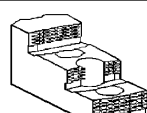


TIPO / type I

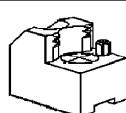
CODICE /code	Ø MAND / chuck	P	TIPO	A	B	C	D	E	F	G	M	KG
HKM 13.01 AL	135	1.5x60°	I	55	30	25	10	10	18	9	5	0,07
HKM 13.11 AL	110-135	1.5x60°	I	50	25	25	11	10	16	9	4	0,06
HKM 16.05 AL	165	1.5x60°	II	75	30	30	12	19	20	11	7	0,15
HKM 16.07 AL			II	75	50	30	12	19	20	11	7	0,22
HKM 21.01 AL	210	1.5x60°	I	95	40	40	14	20	25	13	12	0,35
HKM 21.03 AL			I	95	60	40	14	20	25	13	12	0,5
HKM 21.10 AL	210-254	1.5x60°	I	95	40	40	16	20	25	13	12	0,35
HKM 21.12 AL			I	95	60	40	16	20	25	13	12	0,5
HKM 25.01 AL	254-270	1.5x60°	I	110	40	40	16	30	30	13	12	0,4
HKM 25.02 AL			I	110	60	40	16	30	30	13	12	0,55
HKM 30.01 AL	304-381	1.5x60°	I	130	50	50	18	25	30	15	20	0,74
HKM 30.03 AL			I	130	80	50	18	25	30	15	20	1,25
HKM 30.10 AL	304	1.5x60°	I	130	50	50	21	22	30	17	20	0,74



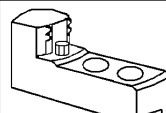
Pag. 54



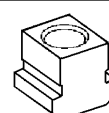
Pag. 68



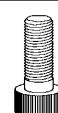
Pag 76



Pag.122



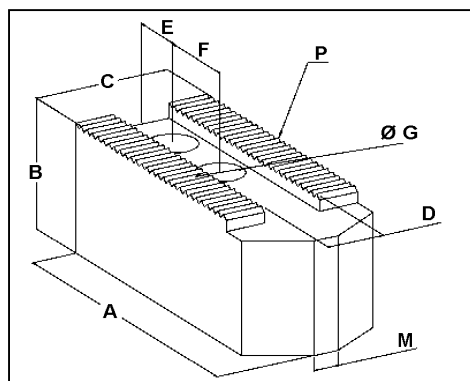
Pag.146



Pag.164

morsetti teneri standard in alluminio

standard aluminium soft jaws



TIPO / type

AUTOBLOK	HOWA	SAMCHULLY	KITAGAWA	MATSUMOTO	SCHUNK
		Ø 135	HOB-5;B-05		
	HO27M4;HO27M5	Ø 110-135			
BBM175;ALM165; ANM165;BHM165; BHM-FC165;HBM165; PBM165;	HO1MA6;HO7MA6; HO15M6;HO22M6; HO24M6;HO27M6; HO47M6;HO37M6	Ø 165	HJA5-6;HOS6;HOH106; AS165;B7;B106;B160;B06 HOH160;HOH-06;N-160; N06;HOB-6;B206;HOH206		ROTA NCK 165
BBM210;PBM210 ALM210;HBM210 ANM210;BHM210 BHM-FC210	HO7MA8 HO15M8 HO23M8	Ø 210	B-200;B-8;N-200;HOH08 N8;AS210;HOH200;HOB8 B108;HOH108;HAA6-8;HO8 HOS8;B-208;HOH208	HA6-8;HX-8;ZA6-8-52 H-8;HH-8;STC-8 HJ-8;HHJ-8; ZA6-8-66	ROTA NCK 210
	HO27M8;HO22M8 HO47M8;HO37M8 HO24M8;HO7MA10 HO15M10;HO23M10	Ø 210-254			
BBM250;ALM250; ANM250;PBM250 BHM250 BHM-FC250 HBM250		Ø 254-270	B-250;B-10;B-210;HJA8-10 HOH250;HOH210;HOS10 HOH-10;HOH110;HO-10 HOB-10;AS250;B110 N250;N10;HJA6-10	HA6-10;HA8-10; ZA6-10-72B;HX10 H-10;HH-10;HA8-11 HHL-10;HJ-10 HHJ-10;STC10	ROTA NCK 250
	HO7MA12 HO15M12 HO23M12 HO24M10	Ø 304-381	B300;B12;HOH-300;HLA8-15 HOH12;N300;N12;HLA6-15 HOS12;HO-12;HJA8-12; HLA6-12;HJA6-12;HOB-12	HA8-12;HX12 SH12;HH12 HJ12;HHJ12 H12;HHL-12	
BBM315;ALM315 ANM315;BHM315 BHM-FC315 HBM315;PBM315		Ø 304	B212;BT212		ROTA NCK 315

morsetti teneri standard in alluminio

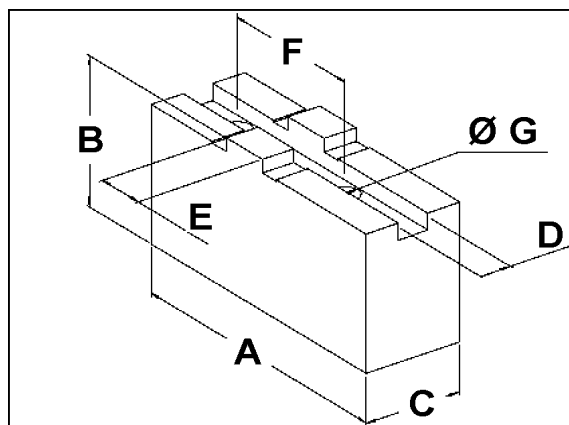
standard aluminium soft jaws

MATERIALE / material : ERGAL 7075

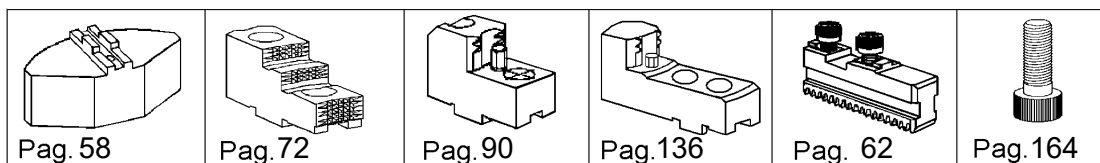
INCASTRO A CROCE / tongue & groove

MANDRINI / chucks

SMW-AUTOBLOK
BERG - FORKARDT
ROHM - SCHUNK
SAMCHULLY



CODICE /code	Ø MAND / chuck	A	B	C	D	E	F	G	KG	
23.22.00/F AL	160	85	50	25	8	18	32	9	0,23	
23.22.01/F AL	200	105	50	25	10	20	40	9	0,28	
23.22.02/F AL	250	125	60	40	12	20	40	13	0,65	
23.22.03/F AL	315	145	60	40	12	26	54	13	0,77	
23.22.04/F AL	400	180	80	50	18	30	60	17	1,65	



morsetti teneri standard in alluminio

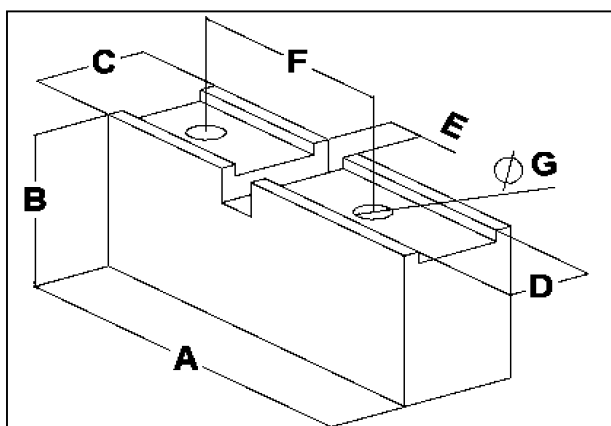
standard aluminium soft jaws

	SMW-AUTOBLOK	BERG	FORKARDT	ROHM	SCHUNK
	RMG160;HG160;KNSP160; HG/F160;HG/N160;KNCS160; KNCS175;KNCS/N170	KHNC160 KHNC185	F160;KTNC160; KTNCV175;F+160; KTNCV160;FNC175	DURO160; DURO/NC160; DURO/NCE160; DURO/NC175	ROTA/G160;ROTA NCW185;ROTA/S160 ROTA/Splus160; THW165/R
	RMG200;HG200;KNSP200; KNCS200;HG/F210;HG/N210; KNCS225;KNCS/A200; KNCS/N210	KHNC200	F200;KTNC200; KTNCV200;F+200; FNC200	DURO200; DURO/NC200; DURO/NCE200; DURO/NC225	ROTA/G200; ROTA/NCW225; ROTA/NCWF210; ROTA/S250; ROTA/S plus 200; THW210R/F
	RMG250;HG250;HG315; KNCS250;KNCS260;KNCS315; HG/F260;HG/F315;HG/N260; HG/N315;KNCS/A250; KNCS/A315;KNCS/N260; KNCS/N315	KHNC250; KHNC315	F250;UNC250; UNC315;KTNC250; KTNCV250;KTNC265; KTNC280;KTNC315; KTNCV315;F+250; FNC250;FNC315;	DURO250; DURO/NC250; DURO/NCE250; DURO/NCE315	ROTA/G250-315; ROTA/NCW265-315; ROTA/NCWF250-315; ROTA/S250; ROTA/S plus 250; THW250-265 R/F; THW315R;
	RMG315; HG400; KNCS400; HG/N400; KNCS/A400; KNCS/N400	KHNC400	F315;UNC400; KTNC360;KTNC400; KTNCV400;F+315; FNC400;	DURO315; DURO/NC315; DURO/NCE400;	ROTA/G400; ROTA/NCW400; ROTA/S315; ROTA/S plus 315; THW315F; THW400 R/F;
	HG500;HG630;KNCS500; KNCS630;HG/F400;HG/N500; HG/N630;KNCS/A500; KNCS/N500;KNCS/N630	KHNC500	F400;F500L;UNC500; KTNC500;KTNC630; KTNCV500; KTNCV630;F+400; F+500;FNC500; FNC630;	DURO400; DURO/NC400; DURO500; DURO/NC500; DURO/NCE500;	ROTA/G500; ROTA/S400-500; ROTA/S plus 400; ROTA/S plus 500; THW500-630R;

morsetti teneri standard in alluminio standard aluminium soft jaws

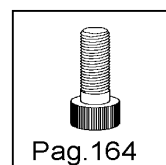
MATERIALE / material : ERGAL 7075

INCASTRO A CROCE / tongue & groove



MANDRINI / chucks : M.P.T.-PINTO MANUALE / manual

CODICE /code	Ø MAND / chuck	A	B	C	D	E	F	G	KG
13.22.03/PAL	180-200	100	40	30	20	10	53	9	0,3
13.22.04/PAL	230-250	110	40	40	22	11	62	9	0,43
13.22.05/PAL	270	120	50	30	25	12	68	11	0,42
13.22.06/PAL	310	130	60	40	28	12	76	13	0,7



Pag.164