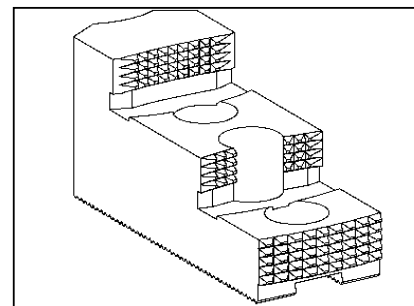


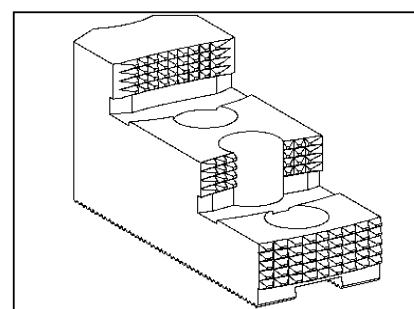
MANDRINO / chuck	PAG.	DENTATURA / pitch: 1/16"x90° - 3/32"x90°
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SMW-AUTOBLOK	68-69
BERG	68-69
FORKARDT	68-69
GAMET-CMT	68-69
M.P.T.-PINTO	68-69
ROHM	68-69
SCHUNK	68-69



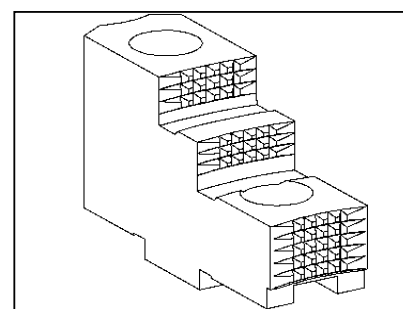
MANDRINO / chuck	PAG.	DENTATURA / pitch: 1,5x60°
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SMW-AUTOBLOK (METRICO)	70-71
HOWA	70-71
KITAGAWA	70-71
MATSUMOTO-AUTOSTRONG-SAMCHULLY-SEOAM	70-71
SCHUNK	70-71



MANDRINO / chuck	PAG.	INCASTRO A CROCE tongue & groove
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SMW-AUTOBLOK	72-73
BERG	72-73
FORKARDT	72-73
KITAGAWA-SAMCHULLY	72-73
ROHM	72-73
SCHUNK	72-73



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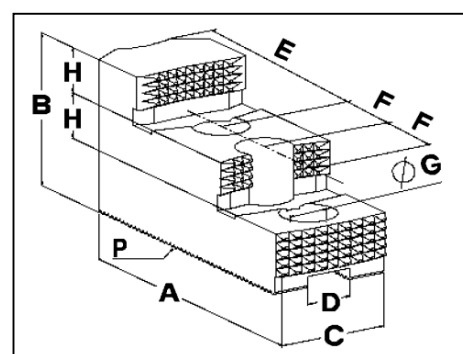
reversible hardened jaws

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MATERIALE : ACCIAIO 18NiCrMo5 TEMPRATO
material : hardened steel 18NiCrMo5

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

MANDRINI / chucks
AUTOBLOK - BERG - CMT
FORKARDT - GAMET - M.P.T. PINTO
ROHM - SCHUNK - SMW



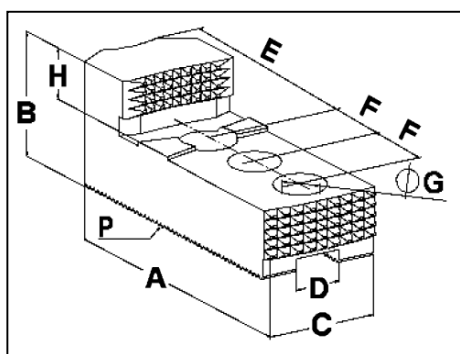
TIPO / type I

CODICE/code	Ø MAND / chuck	P	TIPO	A	B	C	D	E	F	G	H	KG	AUTOBLOK
3101/MTR	125-150	1/16"x90°	I	58	34	29	12	14	16	9	8,5	0,2	AND125;ALD125;BHD130; BBD140;HYDS150;PBD130 HBD130;GHDN125;IDN125
3102/MTR	160	1/16"x90°	I	65	39	34	14	18	16	11	10	0,3	AND165;ALD165;BHD165; BHD/FC165;IDL170;HYDS170 RCD165;PBD165;HBD165 GHDN165;PBD165;BBD175 GHD/FC165;IDN170;HYDS180 HDN/FC170;HDN170;HDL170
3103/MTR	200-220	1/16"x90°	I	82	45	38	17	19	23	13	10,5	0,6	AND210;ALD210;HYDS210 BHD210;BBD210;GHDN210 RCD210;CD200;HDN/FC200 IDN200;IDN220;BHD/FC210 IDL200;HDN200;GHD/FC210 HDN220;HDL200;PBD210 PBD210;HBD210;HYDS226
3104/MTR	250-315	1/16"x90°	I	105	56	45	21	28	30	17	13,5	0,98	AND250-315;ALD250-315 BHD250-315;HYDS250-315 BHD/FC250-315;CD250-305 HDN/FC250-315;PBD250-315 GHD/FC250-305;HBD250-315 PBD250-305;RCD250-315 IDN250-315;GHDN250-315 IDL250-315;HDN250-315 HDL250-315;BBD250
3105/MTR	315-350	1/16"x90°	I	122	56	50	21	43	30	17	13,5	1,43	BBD315;GHD315 GHDN315;HYD350
3106/MTR	400	1/16"x90°	I	120	74	55	21	31	34	17	22	1,9	GHD/FC400;GHDN400 HDN/FC400;HYDS400 RCD400;IDN400;IDL400 HDN400;HDL400;HYD400
3107/MTR	400	1/16"x90°	I	152	74	55	21	57	34	17	22	2,58	GHDN400
3108/MTR	500	3/32"x90°	II	147	73	55	28	46	38	21	32	2,23	GHD500;GHD630 HDN/FC500;HDN/FC630
3109/MTR	610-800	3/32"x90°	II	147	75	70	28	46	38	21	32	3,2	IDN500-630-800;HYDS500 IDL500-630-800
3110/MTR	500-630	3/32"x90°	II	147	73	55	25,5	46	38	21	32	2,25	HDN/FC500-630; AND400;ALD400; RCD500;GHDN500
3111/MTR	610-800	3/32"x90°	II	147	75	70	25,5	46	38	21	32	3,23	GHDN610-640-800;IDN500 HDN/FC500-630;IDN800 IDL500-630-800

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TIPO / type II

	BERG	FORKARDT	GAMET	M.P.T.PINTO	ROHM	SCHUNK	SMW
		3KTH130;3KTH140		F125;GL130;GLR130 VR125;NR125	KFD130;KFD-HS160/175 KFH140;KFD-HE170 LVE125	HSG160 ROTA NCD160	KDV130 KDV140
			MAC165 GA160 DELTA160 MAC170 GA170	F160;GL165;GLR165 FC165;VR160;NR160		TP160	
	KHFF200 KF200 HES200 HESF200	KH200;KGH200;KGHF200 KS200;KSF200;KT200;KTG200 KTGF200;KTH200;KTN200 NH200;NHF200;UVE200-250 QLC210;KL250 Mo;KS250 KS250 Mo;KSHF250-55 KSHF250-65;NHF250/65-290	MAC200 MAC220 GA210 DELTA200 DELTA220	F200;F210;GLR205 GLR210/220;GL205 GL210;GL220;FC200 MA200;MA210/225 VR200;NR200	KFD200;KFD-HE210 KFD-HF200;KFH200 KFH-F200;KFH-G200 KFH-NC200;LVE200 SPD215;SPO215 KFL250;KFD-HS250 SPD250	HSL210 ROTA NC210 ROTA NCF210 ROTA NCO200 ROTA NCD200 TH210;THF210 TP200	KFKS200;KDV200 KDV250;KFKS200 KFK200;KDM-F200 KFMF200;KFF200 KDM200;SP200 STP200;STWP200
	KF250-315 HES315-360 KHFF250-315 HES250-280 HESF250-315 KFF250-315	KG250;KL250;KLNC250 KP250;KSH250;KSHF250 KSPS250;KT250;KTGF250 KTN250;NHF250;NHF250 QLC250;NHF250	MAC250 MAC215 GA250 DELTA250	F250;GLR250;NR315 GL250;MA250;VR250 NR250;TR250;MA280 F315;FV315;GLR315 GL315;VR315;MA315 MA350;TR315	KFD250;KFD-HF250 KFH250;KFH-F250 KFH-G250;KFH-NC250 LVE250;KFD-HE254 KFD-HS315	HSL250 ROTA NC250 ROTA NCD250 ROTA NCF250 ROTA NCO250 TH250;THF250 TP250	KFK250;KFKS250 KDM250;STP250 KFV250;STWP250 KFKN-D250;SP250 KFMF250;STP250 STWP250
		NHF290-104;KSPS300 KG315;KLNC315;KP315 KS315;KSH315;KSHF315 KT315;KTGF315;NH315 NHF315;QLC315;UVE315 KS400;KSH400;KSHF400	GA315 MAC315 DELTA320	F400;FV400;GLR400 GL400;FC400;MA400	SPD300;SPO300;LVE305 KFD315;KFD-HE315 KFD-HF315;KFH315 KFH-F315;KFH-G315 KFH-NC315;KFL315/400 LVE315	HSL315;TP315 ROTA NC315 ROTA NCD315 ROTA NCF315 ROTA NCO315 TH315;THF315	KFK315;KFKS315 KFKN-D315;SP315 KFMF315;KFV315 KDV315;STWP315 KDV400;KFV315 KDV400;STP315
				F500/630/800;FV500 FV630/800;GL500/630 GLR500/630;MA450 MA530/570/630/800			
	HES400-630 KF400-630 KFF500-630 HESF500-630	KG400;KL400;KLNC400 KP400;KT400;KTGF400 NH400;NHF400;QLC400 UVE400;KG500;KL500 KLNC500;KP500;KS500 KT500;KTGF500;NH500 NHF500;UVE500;KS630 KSL630;KSHF630;KT630 KTGF630;NH630;NHF630 UVE630;UVE800	DELTA400		KFD400;KFD-HE400 KFD-HF400;KFD-HS400 KFH400;KFH-F400 KFH-G400;KFH-NC400 LVE400/500/630/800 KFD500;KFD-HF500 KFD-HS500;KFH500 KFH-F500;KFH-G500 KFH-NC500;KFL500 KFL600;KFD630/800	HSG400;HSL400 ROTA NC400 ROTA NCD400 ROTA NCF400 ROTA NCO400 TH400;THF400 HSG500;TH500 THF500	KDS400;KDS500 KFK400;KFK500 KFKS400;KFKS500 KDM400;KDV500 KFV400;KFV500 KFV630;KFV800

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MATERIALE : ACCIAIO 18NiCrMo5 TEMPRATO
material : hardened steel 18NiCrMo5

DENTATURA / pitch: 1,5"x60°
3x60°

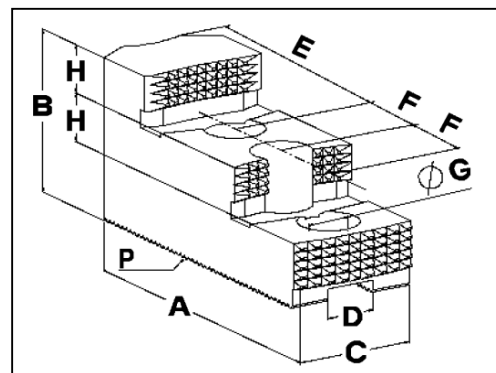
MANDRINI / chucks

AUTOBLOK (METRICO / metric)

HOWA - KITAGAWA

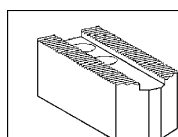
SCHUNK - MATSUMOTO

AUTOSTRONG-SAMCHULLY-SEOAM

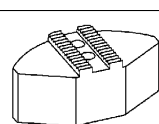


TIPO / type I

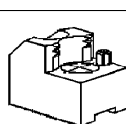
CODICE/code	Ø MAND / chuck	P	TIPO	A	B	C	D	E	F	G	H	KG
3201/MTR	165	1.5x60°	II	67,5	36	31	12	14,5	20	11	12	0,3
3202/MTR	210	1.5x60°	I	86	51	35	14	17,5	25	13	12	0,66
3203/MTR	254	1.5x60°	I	101	54	40	16	25	30	13	13	0,94
3204/MTR	304	1.5x60°	II	103	55	48	18	25	30	15	20	1,22
3205/MTR	304-315	1.5x60°	II	103	55	48	21	25	30	17	20	1,27
3206/MTR	381	1.5x60°	I	149	86	62	22	27	43	21	20	3,2
3207/MTR	381	1.5x60°	I	149	86	62	25,5	27	43	21	20	3,2
3208/MTR	454-610	3x60°	II	159,5	90	80	25	27,5	50	21	40	



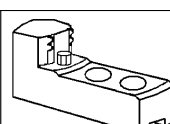
Pag 8



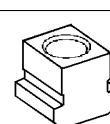
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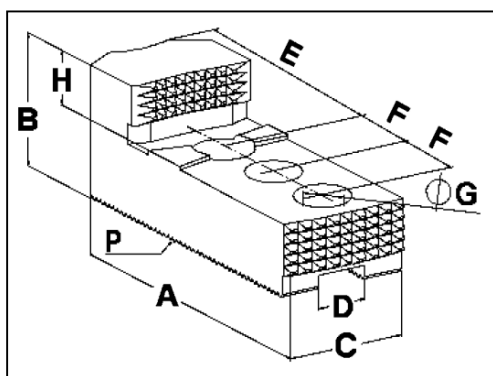


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reversible hardened jaws

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TIPO / type II

AUTOBLOK	HOWA	SAMCHULLY	KITAGAWA	MATSUMOTO	SCHUNK
BBM175;ALM165 ANM165;BHM165 BHM-FC165;HBM165 PBM165	HO1MA6;HO7M6 HO15M6;HO22M6 HO27M6;HO37M6 HO47M6;HO24M16	Ø 165	B206;HOH206 B-160;B106;B06 HOH-160;N160;N06 HJA5-6;HO6;HOH06 HOB6;HOS-6;B7 AS165;HOH106		ROTA NCK165
BBM210;ALM210 ANM210;BHM210 BHM-FC210;HBM210 PBM210	HO7MA8 HO15M8 HO23M8	Ø 210	B208;B200;B8;N8 B108;HOH-200;N-200 HJA6-8;HO8;HOH108 HOB-8;HOS-8;HOH208 AS210;HOH8	H-8;HA6-8;HJ-8 HH8;HX-8;STC-8 HHJ-8;ZA6-8	ROTA NCK210
BBM250;ALM250 ANM250;BHM250 BHM-FC250;HBM250 PBM250	HO22M8;HO27M8 HO37M8;HO7MA10 HO15M10;HO23M10 HO24M8	Ø 254	B-210;B110;B250 HOH-250;B10;N-250 HJA6-10;HOH110;N10 HJA8-10;HO-10;HOH10 HOB-10;HOS-10 AS250;HOH210	H-10;HA8-10 HH-10;HHL-10 HX10;STC-10 HA6-10;HHJ10 ZA6-10;HJ10 HA8-11	ROTA NCK250
	HO22M10;HO22MA10 HO24M10;HO27M10 HO37M10;HO47M10 HO7MA12;HO15M12 HO23M12	Ø 304	B-300;B12;HOH12 HOH-300;N-300;N12 HJA6-12;HJA8-12 HLA6-12;HO-12;HOB12 HOS-12;HLA6-15 HLA8-15	H12;HA8-12 HH-12;HX-12 HHL-12;SH-12 HJ-12;HHJ12	
ALM/ANM/BBM 315 BHM/BHM-FC/PBM 315	HO27M12;HO37M12 HO47M12	Ø 304-315	B-212		ROTA NCK315
		Ø 381	B-380;B15;HOH15 HJ-380;HOH380 HOB-15;B18 B-450;HOB-18 HOH18;HOH15-K	HA11-15;HHL-15 H-15;HH-15 ZA11-15-120 HA11-18;H-18 HH-18	
		Ø 381	N15;N15A N18;N18A		
		Ø 454-610	B-21;B24		

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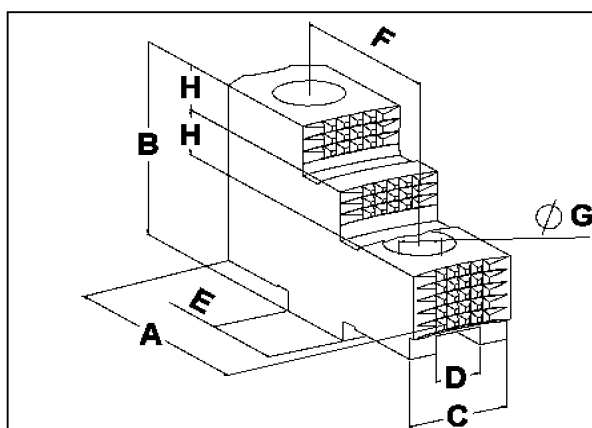
reversible hardened jaws

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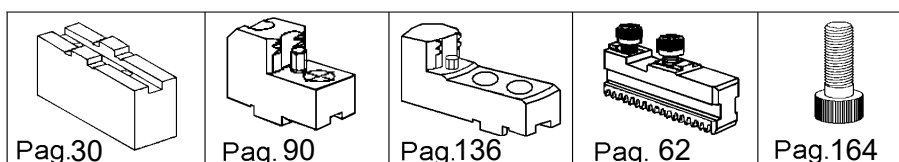
MATERIALE : ACCIAIO 18NiCrMo5 TEMPRATO
material : hardened steel 18NiCrMo5

INCASTRO A CROCE / tongue & groove

MANDRINI / chucks
SMW-AUTOBLOK - BERG
FORKARDT - KITAGAWA
ROHM - SCHUNK-SAMCHULLY



CODICE/code	Ø MAND / chuck	A	B	C	D	E	F	G	H	KG	
3301/MTR	160-175	63	36,5	20	8	18	32	9	7,5	0,18	
3302/MTR	200-225	72	43	22	10	20	40	9	10	0,28	
3303/MTR	250-315	90	55	30	12	20	40	13	14	0,65	
3304/MTR	315-400	103	62	36	12	26	54	13	15	1,1	
3305/MTR	500-630	130	82	45	18	30	60	17	20	2,2	



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	SMW-AUTOBLOK	BERG	FORKARDT	KITAGAWA	ROHM	SCHUNK
	HG160;HG-F160 HG-N160 KNCS160 KNCS-N170 KNSP160	KHNC160 KHNC185	F160;F+160 KTNC160 KTNCV160 KTNCV175 FNC175		DURO160 DURO-NC160 DURO-NCE160 DURO-NC175	ROTA-G160 ROTA-S160 ROTA-S plus160 THW 165R
	HG200;HG-F210 HG-N210 KNCS200-225 KNCS-N210-225 KNSP200	KHNC200	F200;F+200 FNC200 KTNCV200 KTNC200	QJ8	DURO200 DURO-NC200 DURO-NCE200 DURO-NC225	ROTA-G200 ROTA NCW225 ROTA NCWF210 ROTA-S200 ROTA-S plus200 THW 210 R/F
	HG250-315 HG-F260 HG-N260-315 KNCS250-260 KNCS315 KNCS-A250-315 KNCS-N260-315	KHNC250 KHNC315	F250;F+250 FNC250-315 UNC250-315 KTNCV250 KTNCV315 KTNC250/280/315	QJ10 QJ12	DURO250 DURO-NC250 DURO-NCE250 DURO-NCE315	ROTA-G 250-315 ROTA-NCW265-315 ROTA-NCWF250-315 ROTA-S250 ROTA-S plus250 THW250-265 R/F THW315R
	HG400;HG-F315 HG-N400 KNCS400 KNCS-A400 KNCS-N400	KHNC400	F315;F+315 FNC400 KTNCV400 KTNC360 KTNC400 UNC400		DURO315 DURO-NC315 DURO-NCE400	ROTA-G400 ROTA-NCW400 ROTA-S315 ROTA-S plus315 THW315F THW400 R/F
	HG500-630 HG-F400-500 HG-N500-630 KNCS500-630 KNCS-A500 KNCS-N500-630	KHNC500	F400;F+400 F500L;F+500L FNC500-630 KTNC500-630 KTNCV500-630 UNC500 KTNC500-630		DURO400-500 DURO-NC400 DURO-NC500 DURO-NCE500	ROTA-G500 ROTA-S400-500 ROTA-S plus400 ROTA-S plus500 THW500-630R