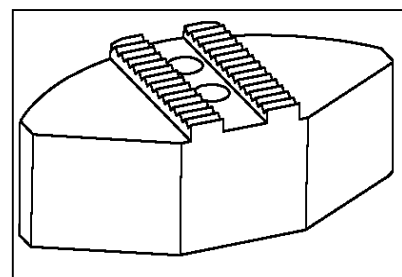


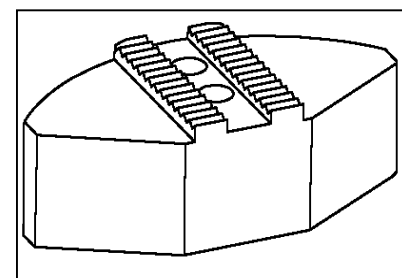
MANDRINO / chuck	PAG.	DENTATURA / pitch : 1/16"x90°
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SMW-AUTOBLOK	54-57
BERG	54-55
FORKARDT	54-55
GAMET	54-55
GEIGER+HAAG	54-55
ROHM	54-55
SCHUNK	54-57



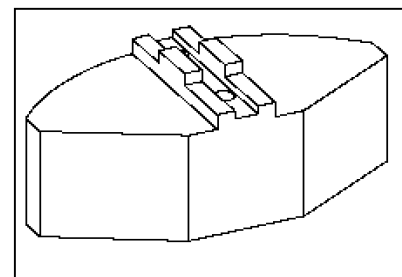
MANDRINO / chuck	PAG.	DENTATURA / pitch : 1,5x60°
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AUTOBLOK (metrico / metric)	56-57
HOWA	56-57
KITAGAWA	56-57
MATSUMOTO-AUTOSTRONG-SAMCHULLY-SEOAM	56-57
SCHUNK (metrico / metric)	56-57



MANDRINO / chuck	PAG.	INCASTRO A CROCE tongue & groove
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SMW-AUTOBLOK	58-59
BERG	58-59
FORKARDT	58-59
KITAGAWA	58-59
ROHM	58-59
SAMCHULLY	58-59
SCHUNK	58-59



morsetti avvolgenti standard soft full-grip jaws

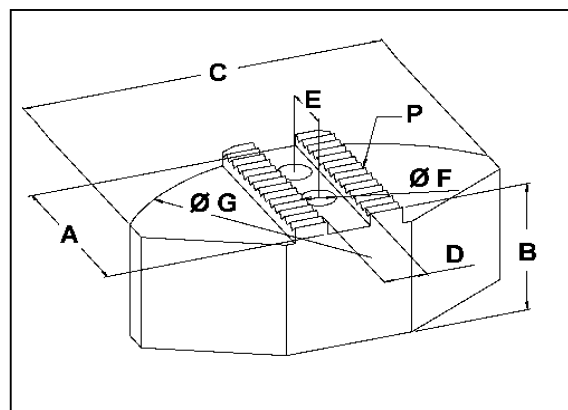
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**MATERIALE / material : S235JR (Fe37)
ERGA 7075**

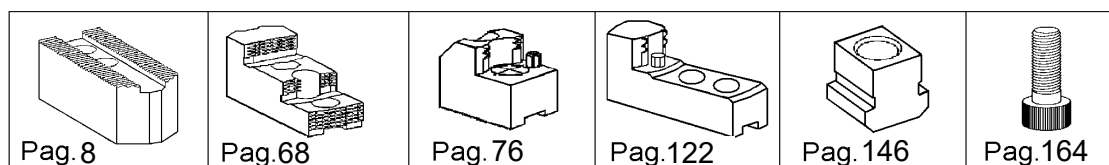
**DENTATURA / pitch: 1/16"x90°
3/32"x90°**

MANDRINI / chucks

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



CODICE /code	Ø MAND / chuck	MAT.	P	A	B	C	D	E	F	G	KG	
45.12.01/AV	125-130	Fe37	1/16"x90°	50	40	100	12	16	9	130	1,0	
45.15.02/AV	154-160	Fe37	1/16"x90°	60	50	120	14	16	11	160	1,7	
45.15.02/AVAL		All.		60	48	120	14	16	11	160	0,6	
45.16.03/AV	160	Fe37	1/16"x90°	60	50	120	17	23	13	160	1,7	
45.16.03/AVAL		All.		60	48	120	17	23	13	160	0,6	
45.20.04/AV	200-210	Fe37	1/16"x90°	80	60	140	17	23	13	200	3,4	
45.20.04/AVAL		All.		80	58	140	17	23	13	200	1,2	
45.25.05/AV	250	Fe37	1/16"x90°	80	60	180	21	30	17	250	4,4	
45.25.05/AVAL		All.		80	78	180	21	30	17	250	1,15	
45.31.06/AV	315	Fe37	1/16"x90°	120	60	240	21	30	17	320	8,0	
45.31.06/AVAL		All.		120	78	240	21	30	17	320	3,0	
45.40.07/AV	400-500	Fe37	3/32"x90°	150	80	330	25,5	38	21	440	18,4	
45.40.07/AVAL		All.		150	98	330	25,5	38	21	440	6,2	



	AUTOBLOK	BERG	FORKARDT	GAMET	SCHUNK	GEIGER+HAAG	ROHM	SMW
	AND125;ALD125;BHD130; BBD140;HYDS150;PBD130; HBD130;GHDN125; IDN125;	KF130				GHGY120;GHGY130; GHGY160;GHGY200;	KFD/HS160; KFD/HE170; KFD/HS175	KDV130
	AND165;ALD165;BHD165; BHD/FC165;RCD165;PBD165; HBD165;GHDN165;GHD/FC165; BBD175;HYDS170;HYDS180; IDL170;IDN170;HDL170; HDN170							
		HES160; HESF160; KF161	KGH160;KGHF160; KL160;KS160; KSH160;KSPS160; KTG160; KTH160/46; KTN160;NH160; UVE160;KGH175; KGHF175;KSF175; KTH175/46;QLC177; NHF160	MAC165; MAC170; DELTA170	ROTA NC 165; ROTA NCF 160; ROTA NCO 165 TH165;THF165 HSL165	GHFA175;GHFA200; GHFA250;GHN160; GHN200;GHS160; GHS200;GHKS160; GHKD200;GHKS250; GHL160;GHL200; GHHL200;GHHL250; GHB160;GHB190; GHB210;GHB225; GHSP160;GHSP215; GHSP160;GHSP215; GHL250Mo;	KFD160; KFD/HF160; KFH160;KFH/F160; KFH/G160; KFH/NC160; SPD160;SPO160; LVE160; LVE160Typ525;	HFK160; HFKS160; KDV160; KDVG160; KFMF160; KFMF161
	AND210;ALD210;BHD210; BBD210;HYDS210;RCD210; CD200;IDN200;IDN220;IDL200; HDN200;HDN220;HDL200; GHDN210;HDN/FC200; GHD/FC210;PBD210;HBD210; PBDI210; BHD/FC210;HYDS226	HES200; HESF200; KF200; KHFF200;	KG200;KGH200; KGHF200;KS200; KSF200;KT200; KTGF200;KTH200; NH200;NHF200; UVE200;QLC210;	MAC200; DELTA200; GA210; MAC220	ROTA NC 210; ROTA NCD 200; ROTA NCF 210; ROTA NCO 200; TH210;THF210; TP200;HSL210	GHFA200;GHFA250; GHN200;GHS200; GHS200;GHKS200; GHKS250;GHSP215; GHL200;GHHL200; GHHL250;GHB190; GHB210;GHB225; GHGY250;GHGY300; GHL250Mo;GHSP215;	KFD200;KFD/HF200; KFH200;KFH/F200; KFH/G200; KFH/NC200;LVE200; LVE200Typ525; KFL250; KFD/HE210; SPD215;SPO215;	HFK200;HFKS200; HFKN/D210; KDV200; KDVG200; KFMF200; KFV200;SP200; STP200;STWP200; KDV250;KDVG250
	AND250;ALD250;BHD250;BBD250 HYDS250;BHD/FC250;RCD250; PBD250;HBD250;PBDI250; CD250;IDN250;IDL250;HDN250; HDL250;GHDN250; HDN/FC;GHD/FC250	HES250; HESF250; KF250; KHFF250;	KG250;KL250; KLNC250;KP250; KHS250;KSHF250; KSPS250;KT250; KTGF250;KTN250; NH250;NHF250; NHF257;QLC250 NHF290/104;	DELTA250; GA250; MAC250; DELTA260;	ROTA NC 250; ROTA NCD250; ROTA NCF 250; ROTA NCO 250; TH250;THF250; TP250;HSL250;	GHN250;GHN315; GHS250;GHS315; GHKS315;GHL250; GHL280;GHHL280; GHSP300;GHSP300;	KFD250;KFD/HF250; KFH250;KFH/F250; KFH/G250; KFH/NC250; LVE250; LVE250Typ525; KFD/HE254	HFK250;HFKS250; HFKN/D260; KFMF250;KFV250; LP250;SP250; STP250;STWP250
	AND315;ALD315;BHD315; BBD315;GHD315; GHDN315; RCD305;CD315; PBD315;HBD315;IDN315;IDL315; HDN315;HDL315;HYDS315; HYD350;HYD400;HYDS400; GHD400;GHDN400; RCD400; IND400; ILD400;HDN400;HDL400;	HES315; HESF315; KF315; KHFF315;	KSPS300;KG315; KLNC315;KP315; KS315;KSH315; KSHF315;KT315; KTGF315;NH315; NHF315;UVE315; QLC315;KS400; KSH400;KSHF400; NHF400	GA315; MAC315; DELTA315;	ROTA NC 315; ROTA NCD 315; ROTA NCF315; ROTA NCO 315; HSL315;TH315; THF315;TP315;		SPD300;SPO300; LVE305;KFD315; KFD/HE315; KFD/HF315;KFH315; KFH/F315; KFH/G315;KFH/NC315; KFL315;LVE315; LVE315Typ525; KFL400	HFK315;HFKS315; HFKN/D315; KFMF315;KFV315; LP315;SP315; STP315;STWP315; KDV400; KDVG400;
	GHDN500;HDN/FC500;RCD500; IDN630;IDL630;GHDN610; GHDN640;HDN/FC630;	HES400; KF400; KHFF400; HES500; KF500	KG400;KL400;KLNC400 KP400;KT400; KTGF400;NH400; NHF400;UVE400; QLC400;KS500;KG500; KL500;KLNC500; KP500;KT500;KTGF500 NH500;NHF;UVE500	DELTA400;	ROTA NC 400; ROTA NCD 400; ROTA NCF400; ROTA NCO 400; HSG400;HSL400; TH400;THF400; HSG500;TH500; THF500;		KFD400;KFD/HF400; KFD/HF500;KFH400; KFH500;KFK/F400; LVE400; KFD/HS400; LVE500;KFD/HS500; KFD/HF400;KFL500; KFD500;KFH/F400; KFH/G400-500	HFK400;HFKS400; KFV400;HFK500; HFKS500;KDV500; KDVG500;KFV500; KFV630;KFV800;

morsetti avvolgenti standard soft full-grip jaws

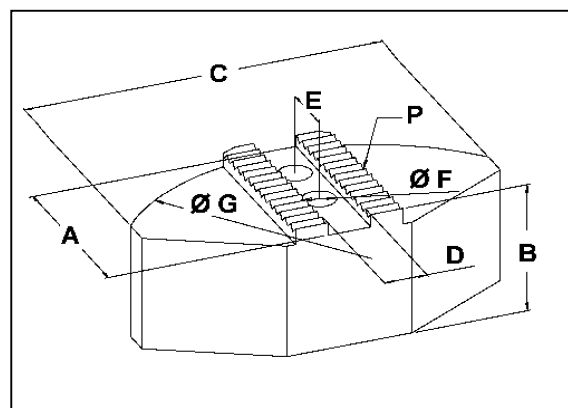
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**MATERIALE / material : S235JR (Fe37)
ERGA 7075**

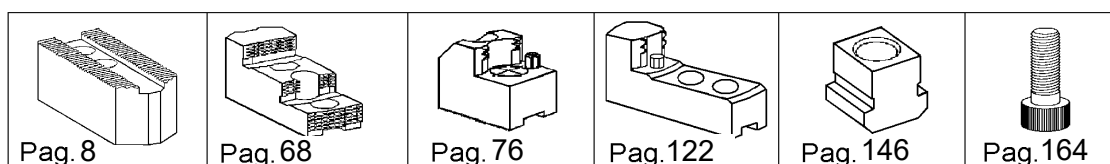
DENTATURA / pitch : 1,5x60°

MANDRINI / chucks

**AUTOBLOK (metrico / metric)
HOWA - KITAGAWA
MATSUMOTO - SCHUNK
AUTOSTRONG-SAMCHULLY-SEOAM**



CODICE /code	Ø MAND / chuck	MAT.	P	A	B	C	D	E	F	G	KG	
46.16.01/AV	165	Fe37	1.5x60°	60	50	120	12	20	11	160	1,7	
46.16.01/AVAL		All.		60	48	120	12	20	11	160	0,6	
46.21.02/AV	200-210	Fe37	1.5x60°	80	60	140	14	25	13	200	3,4	
46.21.02/AVAL		All.		80	58	140	14	25	13	200	1,3	
46.20.04/AV	200-254	Fe37	1.5x60°	80	60	180	16	25	13	250	4,0	
46.25.03/AV	254	Fe37	1.5x60°	80	60	180	16	30	13	250	4,1	
46.25.03/AVAL		All.		80	58	180	16	30	13	250	1,4	
46.25.05/AV	254	Fe37	1.5x60°	80	60	180	18	30	15	250	3,9	
46.30.04/AV	304-381	Fe37	1.5x60°	120	60	240	18	30	15	300	8,6	
46.30.04/AVAL		All.		110	78	240	18	30	15	300	2,9	
46.30.05/AV	304	Fe37	1.5x60°	120	60	240	21	30	17	300	7,7	
46.30.05/AVAL		All.		110	78	240	21	30	17	300	2,6	
46.38.06/AV	381	Fe37	1.5x60°	120	80	280	22	43	21	380	13	



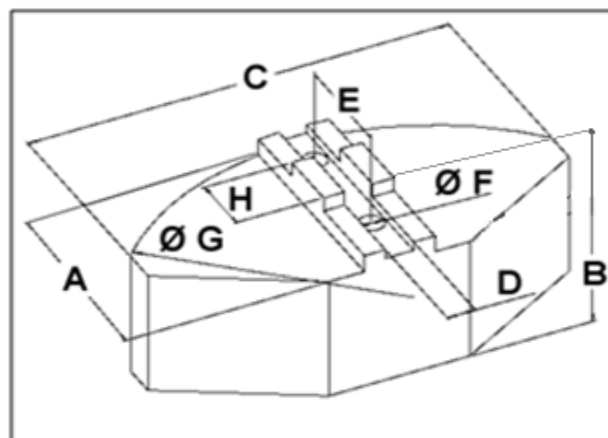
AUTOBLOK	SAMCHULLY	KITAGAWA	HOWA	MATSUMOTO	SCHUNK
BBM175;ALM165; ANM165;BHM165; BHM/FC165;HBM165; PBM165;	Ø 165	AS165;B06;B106;B160;B206;B07; H06;HOB6;HOH06;HOH106;HOH160; HOS6;HJA5/6;N06; N160;HOH206;	HO1MA6;HO7MA6;HO15M6; HO22M6;HO24M6;HO27M6; HO37M6;HO47M6;		ROTA NCK 165
BBM210;ALM210; ANM210;BHM210; BHM/FC210;HBM210; PBM210;	Ø 200-210	AS210;B08;B108;B200;B208;HJA6/8; HO8;HOB8;HOH8;HOH108;HOH200; HOH208;HOS8;N08;N200	HO7MA8;HO15M8;HO23M8;	HA6/8;HX/8;H8;HH/8;HJ/8; HHJ/8;STC8;ZA/6/8/52;	ROTA NCK 210
	Ø 200-254		HO22M8;HO24M8;HO27M8; HO37M8;HO47M8;HO7MA10; HO15M10;HO23M10		
BBM250;ALM250; ANM250;BHM250; BHM/FC250HBM250; PBM250;	Ø 254	AS250;B10;B110;B210;B250; HJA6/10;HJA8/10;HO10; HOB10; HOH10;HOH110;HOS10;N10;N250;		HA6/10;HA8/10; ZA/6/10/75;H/10;HX/10; HHL/10;HH10;HHJ/10; HJ/10;HA8/11;STC10;	ROTA NCK 250
	Ø 254		HO22M10;HO24M10; HO22MA10;HO27M10; HO37M10;HO47M10;HO7MA12; HO12M12;HO23M12		
	Ø 304-381	B12;B300;HLA6/12;HJA6/12;HLA6/12; HJA8/12;HO12;HOB12;HOH12; HOH300;HOS12;N12;N300; HLA8/15;		HA8/12;HX/12;H12;SH/12; HH/12;HHL/12;HJ/12; HHJ/12;ZA8/12/72; ZA8/12/85	
BBM315;ALM315; ANM315;BHM315; BHM/FC315;HBM315; PBM315;	Ø 304	B212			ROTA NCK 315
	Ø 381	B380;HOH380;HOB15;B450;HOB18			

morsetti avvolgenti standard soft full-grip jaws

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MATERIALE / material : S235JR (Fe37)

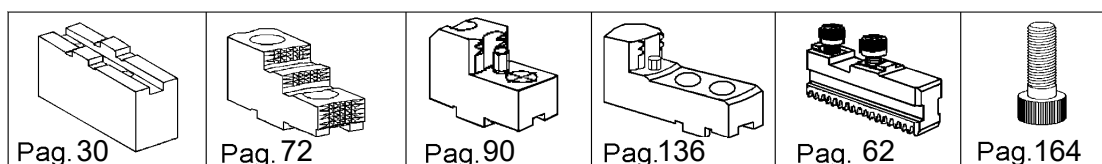
INCASTRO A CROCE / tongue & groove



MANDRINI / chucks

SMW / AUTOBLOK
BERG - FORKARDT
KITAGAWA
ROHM - SCHUNK
SAMCHULLY

CODICE /code	Ø MAND / chuck	A	B	C	D	E	F	G	H	KG	
47.16.01/AV	160	60	50	120	8	32	9	160	18	1,6	
47.20.02/AV	200	70	50	140	10	40	9	200	20	2,4	
47.25.03/AV	250	90	60	180	12	40	13	250	20	4,76	
47.31.04/AV	315	110	70	240	12	54	13	320	26	8,8	
47.40.05/AV	400	160	80	330	18	60	17	440	30	18,15	



	SMW / AUTOBLOK	BERG	FORKARDT	KITAGAWA	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;	QJ8; QJ210-43;	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;	QJ10; QJ254-65; QJ12; J315-78;	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;