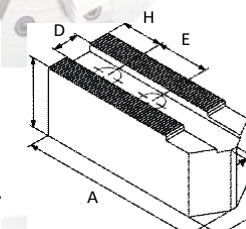
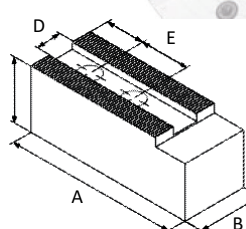
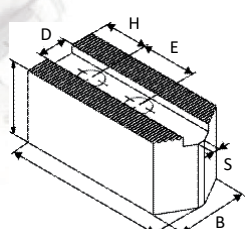
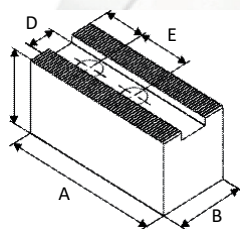


Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 1,5mm x 60°											
B-04; HOB-4	17 0000 3870	MTS-M 110-4	48	20	40	8	15	M6	8	4	2
AS04; AS110; B-204; B-205; HJ-4; N-04; NL04; NRC04	17 0000 7060	MTS-M 110-1	55	25	32	10	14	M8	13	4	2
	17 0000 4010	MTS-M 110-3	55	22	47	10	14	M8	13	4	2
B-05; HOB-5	17 0001 1700	MTS-M 135-1	57	25	32	10	18	M8	10	4	2
	17 0000 4020	MTS-M 135-2	55	22	47	10	18	M8	10	4	2
HJ-5; N-05	17 0001 1720	MTS-M 135-3	55	22	47	10	19	M8	10	4	2
AT04; BT204; BT205; NT04	17 0000 7240	2MKS-M 110-1	55	25	50	10	14	M8	13	-	1
NT05	17 0000 7250	2MKS-M 135-1	62	25	50	10	19	M8	10	-	1
AS06; AS165; B-06; B-07; B106; B160; B-206; BB06; BB206; BL206; BS306; DL06; DL206; DLN06; HJA5-6; HO-6; HOB-6; HOH-06K; HOH-106; HOH-160; HOH-206; HOS-6; ML06; N-06; N160; NL06; NRC06; QJR07	17 0000 7810	MKS-M 165-1	72	32	32	12	20	M10	15	-	1
	17 0001 1630	MKS-M 165-2	72	35	60	12	20	M10	15	-	1
	17 0000 0840	MTS-M 165-3	75	30	30	12	20	M10	15	13	2
	17 0000 0850	MTS-M 165-4	81	30	30	12	20	M10	15	13	2
	17 0000 7820	MTS-M 165-1	82	32	32	12	20	M10	15	4	5
17 0001 1760	MTS-M 165-2	82	35	60	12	20	M10	15	4	5	
AT06; BBT206; BLT206; BT06; BT206; HOBT-6; MLT06; NLT06; NT06	17 0000 7260	2MKS-M 165-1	72	35	60	12	20	M10	15	-	1
AS08; AS210; B-08; B108; B200; B-208; BB08; BB208; BL208; BS308; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOH-08K; HOH-108; HOH-200; HOH-208; HOS-8; ML08; N-08; N200; NL08; NRC08; QJR08; UVE160K	17 0000 0860	MTS-M 210-4	95	35	35	14	25	M12	20	15	2
	17 0000 7830	MKS-M 210-1	95	35	40	14	25	M12	24	-	1
	17 0001 1640	MKS-M 210-2	95	35	60	14	25	M12	24	-	1
	17 0001 1650	MKS-M 210-3	95	40	80	14	25	M12	24	-	1
	17 0000 4750	MKS-M 210-4	95	40	100	14	25	M12	24	-	1
	17 0000 7840	MTS-M 210-1	102	35	40	14	25	M12	20	4	5
	17 0000 0880	MTS-M 210-5	102	35	40	14	25	M12	20	15	2
	17 0000 4760	MTS-M 210-2	102	40	80	14	25	M12	20	4	5
17 0000 4770	MTS-M 210-3	102	40	100	14	25	M12	20	4	5	
AT08; BBT208; BLT208; BT08; BT208; HOBT-8; MLT08; NLT08; NT08	17 0000 7270	2MKS-M 210-1	95	40	60	14	25	M12	24	-	1
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO-10; HOB-10; HOH-10K; HOH-110; HOH-210; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	17 0000 7080	MKS-M 250-6	90	40	60	16	30	M12	15	-	1
	17 0000 7090	MKS-M 250-7	90	50	80	16	30	M12	15	-	1
	17 0000 0890	MTS-M 250-4	110	40	40	16	30	M12	20	17	2
	17 0000 7850	MKS-M 250-1	110	40	42	16	30	M12	30	-	1
	17 0000 7860	MKS-M 250-2	110	40	60	16	30	M12	30	-	1
	17 0000 1200	MTS-M 250-5	110	40	60	16	30	M12	20	17	2
	17 0001 1660	MKS-M 250-3	110	40	80	16	30	M12	30	-	1
	17 0001 1670	MKS-M 250-4	120	40	100	16	30	M12	30	-	1
	17 0000 1230	MKS-M 250-5	120	40	120	16	30	M12	30	-	1
	17 0000 7100	MKS-M 250-8	120	50	50	16	30	M12	30	-	1
	17 0001 1600	MTS-M 250-1	125	40	42	16	30	M12	30	4	5
	17 0001 1710	MTS-M 250-2	125	40	60	16	30	M12	30	4	5
	17 0000 7070	MTS-M 250-3	125	40	100	16	30	M12	30	4	5

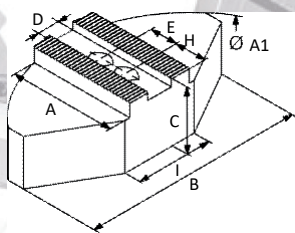


Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 1,5mm x 60°											
AT10; BBT210; BLT210; BT10; BT210; HOBT-10; NLT10; NT10	17 0000 7280	2MKS-M 250-1	110	40	80	16	30	M12	30	-	1
B-12; B300; DL10; DL12; DL210; DL212; HJA6-12; HJA8-12; HLA6-12; HLA6-15; HLA8-15; HO-12; HOB-12; HOH-12K; HOH-300; HOS-12; N-12; N300; NL12; UVE315K	17 0000 7110	MKS-M 300-1	130	50	50	18	30	M14	40	-	1
	17 0000 7120	MKS-M 300-2	130	50	80	18	30	M14	40	-	1
	17 0000 7130	MKS-M 300-3	130	50	120	18	30	M14	40	-	1
	17 0000 7140	MTS-M 300-3	145	50	50	18	30	M14	30	10	5
	17 0000 7150	MTS-M 300-4	145	50	100	18	30	M14	30	10	5
BT12; HOBT-12; NLT12; NT12	17 0000 7290	2MKS-M 300-1	130	50	50	18	30	M14	40	-	1
B112; B-212; BB212; BL212; HOH-112; HOH-212; QJR12	17 0001 1610	MKS-M 300-4	129	50	60	21	30	M16	39	-	1
	17 0001 1680	MKS-M 300-5	129	50	80	21	30	M16	39	-	1
	17 0000 1250	MKS-M 300-6	129	50	100	21	30	M16	25	-	1
	17 0000 1260	MKS-M 300-7	129	50	120	21	30	M16	25	-	1
	17 0000 7160	MKS-M 300-9	140	50	100	21	30	M16	30	-	1
	17 0001 1620	MTS-M 300-5	145	50	50	21	30	M16	30	10	5
	17 0000 7170	MTS-M 300-6	145	50	100	21	30	M16	30	10	5
BBT212; BLT212; BT212	17 0000 7300	2MKS-M 300-2	110	50	60	21	30	M16	21	-	1
B-15; B-18; B380; B450; HJA8-15; HJA8-18; HJA8-21; HJA11-15; HLA8-18; HLA8-21; HO-15; HOB-15; HOB-18; HOH-15K; HOS-15; UPR450	17 0000 3060	MKS-M 380-1	165	60	60	22	43	M20	37	-	1
	17 0000 4100	MKS-M 380-2	165	60	80	22	43	M20	37	-	1
	17 0000 4120	MKS-M 380-3	165	60	120	22	43	M20	37	-	1
	17 0000 7180	MTS-M 380-1	185	60	60	22	43	M20	30	10	5
BT15; HOBT-15	17 0000 8840	2MKS-M 380-1	165	60	60	22	43	M20	37	-	1
B-215; BB218; BB221; N-15; N-18; NL18; NV15; NV18	17 0000 3050	MKS-M 380-5	135	60	60	25,5	43	M20	26	-	1
	17 0000 4070	MKS-M 380-6	135	60	80	25,5	43	M20	26	-	1
	17 0000 4090	MKS-M 380-7	135	60	120	25,5	43	M20	26	-	1
	17 0000 3070	MKS-M 380-8	165	60	60	25,5	43	M20	37	-	1
	17 0000 4140	MKS-M 380-9	165	60	80	25,5	43	M20	37	-	1
	17 0000 4160	MKS-M 380-10	165	60	120	25,5	43	M20	37	-	1
Stries 3,0mm x 60°											
HJ-15; HJ380; UVE400K	17 0000 7200	MKS-M 380-4	156	60	80	22	60	M20	36	-	1
B-21; B-24; HJ-18; HJ-21; HJ-24; HJA11-18; HJA11-21; HJA11-24; HJA15-24; HO-18; HOB-21; HOB-24; N-21; N-24; NV21; NV24; NV28; NV32; NV36; NV40; UVE500AR; UVE550AR; UVE630AR; UVE750AR; UVE500K; UVE630K; UVE800K; UVE500L; UVE630L; UVE500LB; UVE630LB; UVE800LB	17 0000 7210	MKS-M 530-2	180	75	115	25	60	M20	50	-	1
	17 0000 7220	MKS-M 530-3	180	75	155	25	60	M20	50	-	1
	17 0000 7190	MKS-M 530-4	195	80	80	25	60	M20	50	-	1
	17 0000 3910	MKS-M 530-5	200	70	70	25	60	M20	40	-	1
	17 0000 3920	MKS-M 530-6	250	70	70	25	60	M20	40	-	4

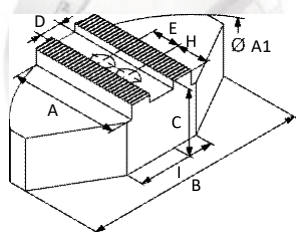
Mors doux enveloppants

Stries 60°

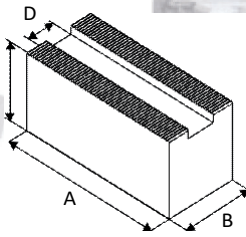
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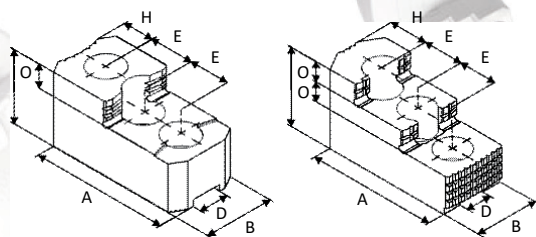
Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	S	Version
Stries 1,5mm x 60°												
AS06; AS165; B-06; B-07; B106; B160; B-206; BB06; BB206; BL206; BS306; DL06; DL206; DLN06; HJA5-6; HO-6; HOB-6; HOH-06K; HOH-106; HOH-160; HOH-206; HOS- 6; ML06; N-06; N160; NL06; NRC06; QJR07	17 0000 1380	GPS-M 165-1	60	120	50	12	20	M10	25	50	160	1
AS08; AS210; B-08; B108; B200; B-208; BB08; BB208; BL208; BS308; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOH-08K; HOH-108; HOH-200; HOH-208; HOS- 8; ML08; N-08; N200; NL08; NRC08; QJR08; UVE160K	17 0000 1390	GPS-M 210-1	70	140	60	14	25	M12	30	70	200	1
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO- 10; HOB-10; HOH-10K; HOH-110; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	17 0000 6610	GPS-M 210-2	70	140	80	14	25	M12	25	70	200	1
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO- 10; HOB-10; HOH-10K; HOH-110; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	17 0000 1400	GPS-M 250-1	80	180	60	16	30	M12	30	100	250	1
B-12; B300; DL10; DL12; DL210; DL212; HJA6-12; HJA8-12; HLA6-12; HLA6- 15; HLA8-15; HO-12; HOB-12; HOH-12K; HOH- 300; HOS-12; N-12; N300; NL12; UVE315K	17 0000 6620	GPS-M 250-2	80	180	80	16	30	M12	30	100	250	1
B-12; B300; DL10; DL12; DL210; DL212; HJA6-12; HJA8-12; HLA6-12; HLA6- 15; HLA8-15; HO-12; HOB-12; HOH-12K; HOH- 300; HOS-12; N-12; N300; NL12; UVE315K	17 0000 4220	GPS-M 300-1	110	240	70	18	30	M14	40	120	300	1
B112; B-212; BB212; BL212; HOH-112; HOH- 212; QJR12	17 0000 1410	GPS-M 300-2	110	240	70	21	30	M16	45	120	300	1



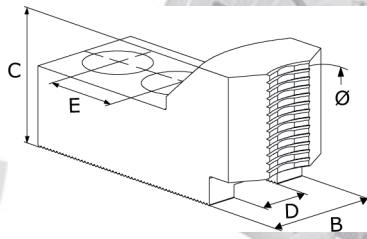
Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	S	Version
Stries 1,5mm x 60°												
AS06; AS165; B-06; B-07; B106; B160; B-206; BB06; BB206; BL206; BS306; DL06; DL206; DLN06; HJA5-6; HO-6; HOB-6; HOH-06K; HOH-106; HOH-160; HOH-206; HOS- 6; ML06; N-06; N160; NL06; NRC06; QJR07	17 0000 6370	GPS-M 165-1	59,5	120	58	12	20	M10	25	40	165	1
AS08; AS210; B-08; B108; B200; B-208; BB08; BB208; BL208; BS308; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOH-08K; HOH-108; HOH-200; HOH-208; HOS- 8; ML08; N-08; N200; NL08; NRC08; QJR08; UVE160K	17 0000 6380	GPS-M 210-1	72,5	140	58	14	25	M12	35	50	200	1
AS08; AS210; B-08; B108; B200; B-208; BB08; BB208; BL208; BS308; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOH-08K; HOH-108; HOH-200; HOH-208; HOS- 8; ML08; N-08; N200; NL08; NRC08; QJR08; UVE160K	17 0000 6390	GPS-M 210-2	72,5	140	80	14	25	M12	35	50	200	1
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO- 10; HOB-10; HOH-10K; HOH-110; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	17 0000 6400	GPS-M 250-1	87,5	180	58	16	30	M12	40	70	250	1
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO- 10; HOB-10; HOH-10K; HOH-110; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	17 0000 6410	GPS-M 250-2	87,5	180	80	16	30	M12	40	70	250	1
B-12; B300; DL10; DL12; DL210; DL212; HJA6-12; HJA8-12; HLA6-12; HLA6- 15; HLA8-15; HO-12; HOB-12; HOH-12K; HOH- 300; HOS-12; N-12; N300; NL12; UVE315K	17 0000 6420	GPS-M 300-1	117	240	78	18	30	M14	40	80	320	1
B112; B-212; BB212; BL212; HOH-112; HOH- 212; QJR12	17 0000 6430	GPS-M 300-2	117	240	78	21	30	M16	45	80	320	1



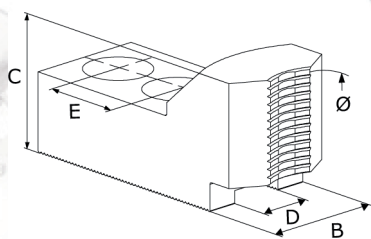
Type du mandrin	Index	Type	A	B	C	D
Stries 1/16" x 90°						
Autoblok-SMW; Berg; Bison; Forkardt; Röhm; Schunk	17 0000 6110	LKS-C 12-1	420	35	60	12
	17 0000 6120	LKS-C 14-1	420	35	60	14
	17 0000 6130	LKS-C 17-1	420	40	60	17
	17 0000 6140	LKS-C 17-2	420	40	100	17
	17 0000 6150	LKS-C 21-1	420	50	60	21
	17 0000 5940	LKS-C 21-2	420	50	80	21
	17 0000 6160	LKS-C 21-3	420	50	120	21
Stries 1,5mm x 60°						
Autoblok-SMW; Autogrip; Bison; Howa; Kitagawa; MMK-Matsumoto; Röhm; Samchully; Schunk; Seoam; Strong; Tonfou	17 0000 6170	LKS-M 12-1	420	35	60	12
	17 0000 6179	LKS-M 14-1	420	35	60	14
	17 0000 6180	LKS-M 14-2	420	40	80	14
	17 0000 6190	LKS-M 14-3	420	60	60	14
	17 0000 5829	LKS-M 16-1	420	40	60	16
	17 0000 5930	LKS-M 16-2	420	40	80	16
	17 0000 6200	LKS-M 16-3	420	60	60	16
	17 0000 5931	LKS-M 16-4	420	40	100	16
	17 0000 6209	LKS-M 21-1	420	50	60	21
	17 0000 6210	LKS-M 21-2	420	50	80	21
	17 0000 6211	LKS-M 21-3	420	50	100	21
	17 0000 6220	LKS-M 21-4	420	60	120	21
	17 0000 6247	LKS-M 25,5-1	420	60	80	25,5
	17 0000 6255	LKS-M 25,5-2	420	60	120	25,5
Stries 3,0mm x 60°						
Autoblok-SMW; Autogrip; Bison; Howa; Kitagawa; MMK-Matsumoto; Röhm; Samchully; Schunk; Seoam; Strong; Tonfou	17 0000 6243	LKS-M 25-1	420	60	80	25
	17 0000 6245	LKS-M 25-2	420	60	120	25



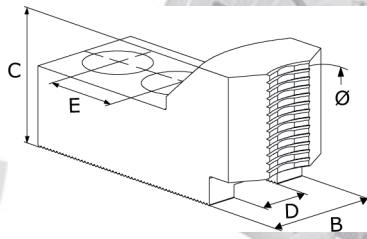
Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	O	Version
Stries 1,5mm x 60°											
AS04; AS110; B-204; B-205; HJ-4; N-04; NL04; NRC04	17 0000 4260	SGT-M 110-1	53	23	28	10	14	M8	14	10	1
AT04; BT204; BT205; NT04	17 0001 1290	2SGT-M 110-1	53	23	28	10	14	M8	14	10	1
AS06; AS165; B-06; B-07; B106; B160; B-206; BB06; BB206; BL206; BS306; DL06; DL206; DLN06; HJA5-6; HO-6; HOB-6; HOH-06K; HOH-106; HOH-160; HOH-206; HOS-6; ML06; N-06; N160; NL06; NRC06; QJR07	17 0000 1540	SGT-M 165-1	67	31	36	12	20	M10	14	12	1
AT06; BBT206; BLT206; BT06; BT206; HOBT-6; MLT06; NLT06; NT06	17 0000 1300	2SGT-M 165-1	67	31	36	12	20	M10	14	12	1
AS08; AS210; B-08; B108; B200; B-208; BB08; BB208; BL208; BS308; DL08; DL208; DLN08; HJA6-8; HO-8; HOB-8; HOH-08K; HOH-108; HOH-200; HOH-208; HOS-8; ML08; N-08; N200; NL08; NRC08; QJR08; UVE160K	17 0000 7510	SGT-M 210-1	79	32	38	14	25	M12	16	12	1
	17 0000 1550	SGT-M 210-2	87	35	51	14	25	M12	20,5	12	2
AT08; BBT208; BLT208; BT08; BT208; HOBT-8; MLT08; NLT08; NT08	17 0001 1310	2SGT-M 210-1	87	35	51	14	25	M12	20,5	12	2
AS10; AS250; B-10; B110; B-210; B250; BB10; BB210; BL210; BS310; HJA6-10; HJA8-10; HO-10; HOB-10; HOH-10K; HOH-110; HOH-250; HOS-10; N-10; N250; NL10; NRC10; QJR10; UVE200K; UVE250K	17 0000 1560	SGT-M 250-1	101	40	54	16	30	M12	23	13	2
AT10; BBT210; BLT210; BT10; BT210; HOBT-10; NLT10; NT10	17 0001 1330	2SGT-M 250-1	101	40	54	16	30	M12	23	13	2
B-12; B300; DL10; DL12; DL210; DL212; HJA6-12; HJA8-12; HLA6-12; HLA6-15; HLA8-15; HO-12; HOB-12; HOH-12K; HOH-300; HOS-12; N-12; N300; NL12; UVE315K	17 0000 4280	SGT-M 300-1	103	50	52	18	30	M14	22,5	17	1
	17 0000 7520	SGT-M 300-2	106	50	62	18	30	M14	20	15	2
BT12; HOBT-12; NLT12; NT12	17 0001 1350	2SGT-M 300-1	103	50	52	18	30	M14	22,5	17	1
B112; B-212; BB212; BL212; HOH-112; HOH-212; QJR12	17 0000 1570	SGT-M 300-3	103	50	52	21	30	M16	22,5	17	1
	17 0000 7530	SGT-M 300-4	128	50	62	21	30	M16	46	14	2
BBT212; BLT212; BT212	17 0001 1370	2SGT-M 300-2	103	50	52	21	30	M16	22,5	17	1
B-15; B-18; B380; B450; HJA8-15; HJA8-18; HJA8-21; HJA11-15; HLA8-18; HLA8-21; HO-15; HOB-15; HOB-18; HOH-15K; HOS-15; UPR450	17 0000 3170	SGT-M 380-1	149	62	86	22	43	M20	30,5	20	2
B-215; BB218; BB221; N-15; N-18; NL18; NV15; NV18	17 0000 3160	SGT-M 380-2	149	62	86	25,5	43	M20	30,5	20	2
Stries 3,0mm x 60°											
B-21; B-24; HJ-18; HJ-21; HJ-24; HJA11-18; HJA11-21; HJA11-24; HJA15-24; HO-18; HOB-21; HOB-24; N-21; N-24; NV21; NV24; NV28; NV32; NV36; NV40; UVE500AR; UVE550AR; UVE630AR; UVE750AR; UVE500K; UVE630K; UVE800K; UVE500L; UVE630L; UVE500LB; UVE630LB; UVE800LB	17 0000 4300	SGT-M 530-1	159,5	80	90	25	50	M20	33	40	1



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous
Mandrins à partir de Ø 165mm									
AS06	7 – 15	171	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	19 – 27	171	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
B-06	5 – 15	170	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 26	170	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
B-07	5 – 26	181	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 36	181	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
B-206	5 – 18	173	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 29	173	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
B106	5 – 23	179	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 34	179	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
BB06	5 – 23	179	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 34	179	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
BB206	5 – 22	178	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 33	178	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
BL206	5 – 20	176	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 31	176	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
BS306	5 – 20	176	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 31	176	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
HOH-06K	5 – 17	173	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 28	173	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
HOH-206	5 – 17	173	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 29	173	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
ML06	5 – 45	201	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 55	201	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
N-06	5 – 11	167	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 23	167	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
NL06	5 – 16	172	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 28	172	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
NRC06	7 – 15	171	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	19 – 27	171	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
QJR07	5 – 29	184	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 39	184	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
Mandrins à partir de Ø 210mm									
AS08	10 – 22	215	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	26 – 37	215	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
B-08	5 – 20	214	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 35	214	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
B-208	5 – 23	217	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 38	217	17 0001 1890	GTM-M 210-2	35	46	14	25	M12



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous
B108	5 – 27	221	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 42	221	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
BB08	5 – 26	220	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	17 – 41	220	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
BB208	5 – 25	219	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	16 – 40	219	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
BL208	5 – 34	227	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 48	227	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
BS308	5 – 22	215	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 37	215	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
HOH-08K	5 – 21	215	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 36	215	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
HOH-208	5 – 23	217	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 38	217	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
ML08	5 – 53	246	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 67	246	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
N-08	5 – 23	217	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	16 – 38	217	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
NL08	5 – 24	218	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 39	218	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
NRC08	10 – 22	215	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	26 – 37	215	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
QJR08	5 – 43	236	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 57	236	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
Mandrins à partir de Ø 254mm									
AS10	9 – 24	252	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	35 – 49	252	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
B-10	5 – 25	253	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 49	253	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
B-210	5 – 30	258	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 54	258	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
B110	5 – 31	259	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 55	259	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
BB10	5 – 32	260	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 56	260	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
BB210	5 – 33	261	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	20 – 57	261	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
BL210	5 – 38	266	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 62	266	17 0001 1910	GTM-M 250-2	40	50	16	30	M12

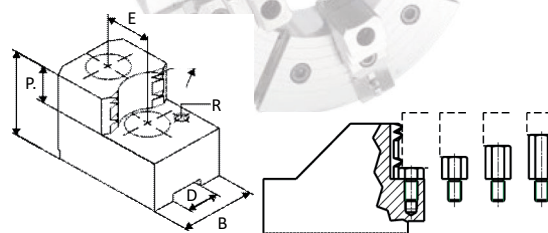


Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrus
BS310	5 – 32	260	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 56	260	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
HJA8-10	5 – 32	260	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 56	260	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
HOH-10K	5 – 25	253	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 49	253	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
N-10	5 – 24	252	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 49	252	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
NL10	5 – 28	256	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 52	256	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
NRC10	9 – 30	258	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	35 – 55	258	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
QJR10	5 – 46	275	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 70	275	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
UVE250K	5 – 35	263	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 59	263	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
Mandrins à partir de Ø 304mm									
B-12	5 – 42	306	17 0001 1940	GTM-M 300-1	48	50	18	30	M14
	18 – 61	306	17 0001 1950	GTM-M 300-2	48	50	18	30	M14
B-212	5 – 41	307	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 61	307	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
BB212	5 – 54	320	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 73	320	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
BL212	5 – 53	318	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 72	318	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
HJA8-12	5 – 45	309	17 0001 1940	GTM-M 300-1	48	50	18	30	M14
	18 – 64	309	17 0001 1950	GTM-M 300-2	48	50	18	30	M14
HOH-12K	5 – 41	306	17 0001 1940	GTM-M 300-1	48	50	18	30	M14
	18 – 61	306	17 0001 1950	GTM-M 300-2	48	50	18	30	M14
N-12	5 – 47	312	17 0001 1940	GTM-M 300-1	48	50	18	30	M14
	18 – 67	312	17 0001 1950	GTM-M 300-2	48	50	18	30	M14
NL12	5 – 45	309	17 0001 1940	GTM-M 300-1	48	50	18	30	M14
	18 – 64	309	17 0001 1950	GTM-M 300-2	48	50	18	30	M14
QJR12	5 – 81	346	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 99	346	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
UVE315K	5 – 64	329	17 0001 1940	GTM-M 300-1	48	50	18	30	M14
	18 – 83	329	17 0001 1950	GTM-M 300-2	48	50	18	30	M14

Mors durs à crocs extérieurs

Stries 1,5mm x 60°

Acier

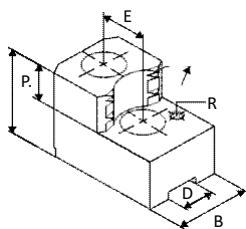


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Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 165mm											
AS06	41 – 49	173	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	56 – 64	173	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	73 – 80	174	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	86 – 94	174	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	103 – 110	172	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	128 – 136	198	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
B-06	26 – 48	172	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	36 – 63	172	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	51 – 80	173	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	65 – 93	173	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	81 – 110	171	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	107 – 136	197	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
B-07	26 – 59	183	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	39 – 75	183	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	55 – 91	184	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	69 – 105	184	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	85 – 121	183	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	111 – 147	209	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
B-206	26 – 51	175	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 – 67	175	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 – 83	176	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 – 97	176	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 – 113	175	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 – 139	200	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
B106	26 – 56	181	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	37 – 72	181	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	53 – 88	181	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	67 – 102	181	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	83 – 118	180	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	109 – 144	206	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
BB06	35 – 56	181	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	50 – 72	181	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	66 – 88	181	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	80 – 102	181	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	97 – 118	180	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	122 – 144	206	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
BB206	36 – 56	180	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	51 – 71	180	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	67 – 87	181	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	81 – 101	181	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	97 – 117	179	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	123 – 143	205	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6

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GBMO



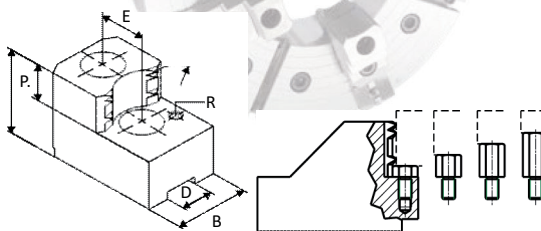
Mors durs à crocs extérieurs
Stries 1,5mm x 60°
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
BL206	26 – 53	178	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 – 69	178	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 – 85	178	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 – 99	178	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 – 115	177	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 – 141	203	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
BS306	32 – 54	178	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	47 – 69	178	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	63 – 85	179	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	77 – 99	179	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	93 – 115	177	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	118 – 141	203	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
HOH-06K	26 – 50	175	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	32 – 66	175	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	48 – 82	176	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	62 – 96	176	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	78 – 112	174	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	103 – 138	200	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
HOH-206	26 – 51	175	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	41 – 66	175	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	57 – 82	176	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	71 – 96	176	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	87 – 112	174	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	113 – 138	200	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
ML06	37 – 78	203	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	52 – 94	203	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	68 – 110	204	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	82 – 124	204	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	98 – 140	202	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	124 – 166	228	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
N-06	31 – 45	169	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	46 – 60	169	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	62 – 76	170	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	76 – 90	170	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	92 – 106	168	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	118 – 132	194	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
NL06	35 – 50	174	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	50 – 65	174	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	66 – 81	175	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	80 – 95	175	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	96 – 111	173	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	122 – 137	199	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6

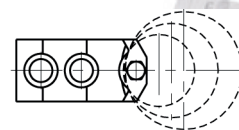
Mors durs à crocs extérieurs

Stries 1,5mm x 60°

Acier



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Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
NRC06	41 – 49	173	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	56 – 64	173	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	73 – 80	174	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	86 – 94	174	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	103 – 110	172	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	128 – 136	198	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
QJR07	26 – 62	186	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	34 – 78	186	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	50 – 94	187	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	64 – 107	187	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	80 – 124	186	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	105 – 150	211	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
UVE160K	30 – 34	182	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	42 – 61	182	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	72 – 91	183	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	102 – 121	185	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	123 – 143	202	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	160 – 180	240	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
Mandrins à partir de Ø 210mm											
AS08	50 – 62	211	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	78 – 90	211	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	108 – 120	212	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	138 – 150	214	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	160 – 172	232	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	197 – 209	270	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
B-08	30 – 61	210	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	52 – 88	210	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	83 – 119	211	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	113 – 149	213	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	134 – 171	230	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	171 – 208	268	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
B-208	34 – 64	213	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	61 – 91	213	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	91 – 122	214	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	121 – 152	216	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	143 – 174	233	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	180 – 211	271	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
B108	30 – 68	217	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	55 – 95	217	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	85 – 126	218	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	115 – 156	220	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	137 – 178	237	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	173 – 215	275	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6

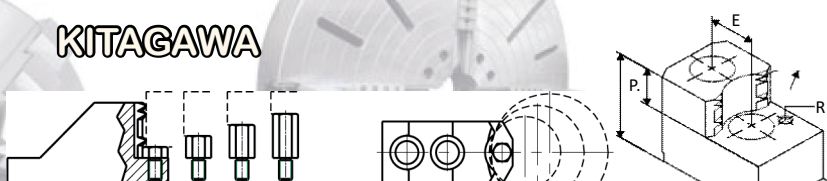
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Mors durs à crocs extérieurs

Stries 1,5mm x 60°

Acier

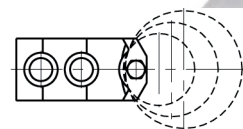
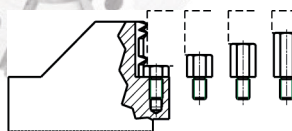
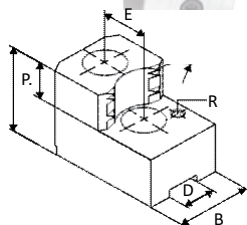


Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
BB08	43 – 67	216	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	70 – 94	216	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	100 – 125	217	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	130 – 155	219	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	152 – 177	236	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	189 – 214	274	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
BB208	41 – 66	215	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	69 – 93	215	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	99 – 124	216	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	129 – 154	218	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	151 – 176	235	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	188 – 213	273	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
BL208	39 – 74	223	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	66 – 102	223	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	96 – 132	224	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	126 – 162	226	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	148 – 184	244	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	185 – 221	282	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
BS308	38 – 62	211	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	65 – 90	211	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	96 – 120	212	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	126 – 150	214	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	147 – 172	232	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	184 – 209	270	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
HOH-08K	30 – 62	211	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	49 – 90	211	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	79 – 120	212	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	109 – 150	214	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	131 – 172	231	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	167 – 209	269	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
HOH-208	34 – 64	213	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	61 – 91	213	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	91 – 122	214	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	121 – 152	216	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	143 – 174	233	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	180 – 211	271	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
ML08	39 – 93	242	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	66 – 121	242	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	96 – 151	243	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	126 – 181	245	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	148 – 203	263	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	185 – 240	301	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6

Mors durs à crocs extérieurs

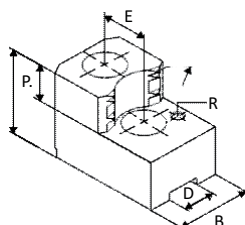
Stries 1,5mm x 60°

Acier



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrus	P	R
N-08	41 – 64	213	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	68 – 92	213	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	99 – 122	214	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	129 – 152	216	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	151 – 174	234	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	187 – 211	271	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
NL08	38 – 64	214	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	65 – 92	214	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	95 – 122	214	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	125 – 153	216	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	147 – 175	234	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	184 – 212	272	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
NRC08	50 – 62	211	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	78 – 90	211	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	108 – 120	212	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	138 – 150	214	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	160 – 172	232	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	197 – 209	270	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
QJR08	30 – 83	232	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	48 – 111	232	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	78 – 141	233	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	108 – 171	235	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	129 – 193	253	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	166 – 230	291	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
UVE200K	36 – 41	217	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	63 – 82	217	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	106 – 126	221	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	151 – 171	236	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	185 – 206	268	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
Mandrins à partir de Ø 210mm											
AS10	62 – 76	254	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	103 – 118	254	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	147 – 162	258	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	193 – 208	273	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	228 – 243	305	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
B-10	38 – 77	255	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	78 – 119	255	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	122 – 163	259	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	167 – 208	274	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	202 – 243	306	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
B-210	42 – 82	260	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	83 – 124	260	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	127 – 168	264	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	172 – 213	279	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	207 – 248	311	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6

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Mors durs à crocs extérieurs

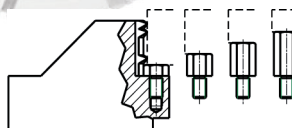
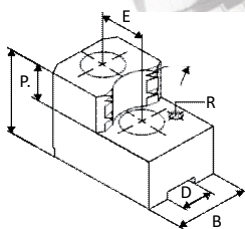
Stries 1,5mm x 60°
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrus	P	R
B110	36 – 83	261	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	77 – 125	261	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	120 – 169	265	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	165 – 215	280	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	200 – 250	312	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
BB10	40 – 84	262	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	80 – 126	262	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	124 – 170	266	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	169 – 216	281	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	204 – 251	313	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
BB210	47 – 85	263	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	89 – 127	263	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	133 – 171	267	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	178 – 216	282	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	213 – 251	313	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
BL210	38 – 89	268	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	79 – 131	268	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	123 – 176	272	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	168 – 221	287	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	203 – 256	318	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
BS310	44 – 84	262	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	85 – 126	262	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	128 – 170	266	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	174 – 215	281	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	209 – 250	313	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
HJA8-10	36 – 84	262	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	73 – 126	262	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	116 – 170	266	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	161 – 216	281	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	196 – 251	313	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
HOH-10K	38 – 77	255	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	78 – 119	255	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	122 – 163	259	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	167 – 208	274	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	202 – 243	306	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
N-10	37 – 76	254	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	77 – 118	254	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	121 – 162	258	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	166 – 207	273	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	201 – 243	305	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
NL10	36 – 80	258	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	75 – 122	258	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	119 – 166	262	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	164 – 212	277	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	199 – 247	309	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6

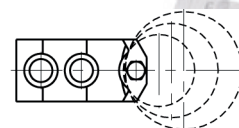
Mors durs à crocs extérieurs

Stries 1,5mm x 60°

Acier

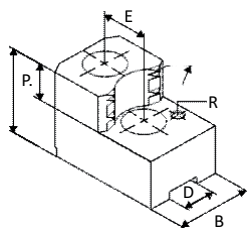
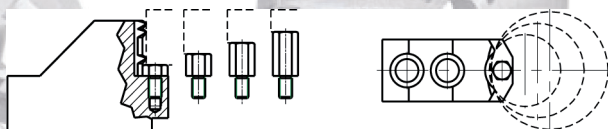


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Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
NRC10	62 – 82	260	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	103 – 124	260	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	147 – 168	264	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	193 – 214	279	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	228 – 249	311	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
QJR10	36 – 98	277	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	57 – 140	277	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	100 – 185	281	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	144 – 230	295	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	179 – 265	327	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
UVE250K	36 – 87	265	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	72 – 129	265	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	116 – 173	269	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	161 – 218	284	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	196 – 253	315	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
B-12	41 – 110	314	17 0001 2170	GTZ-M 300-1	50	65	18	30	M14	25	M8
	95 – 169	314	17 0001 2180	GTZ-M 300-2	50	65	18	30	M14	25	M8
	161 – 236	328	17 0001 2190	GTZ-M 300-3	50	65	18	30	M14	25	M8
	224 – 300	372	17 0001 2200	GTZ-M 300-4	50	65	18	30	M14	25	M8
B-212	47 – 110	315	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	107 – 170	315	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	173 – 237	328	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	237 – 301	372	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
BB212	60 – 123	327	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	120 – 183	327	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	186 – 250	341	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	250 – 314	385	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
BL212	43 – 121	326	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	103 – 181	326	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	169 – 248	340	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	233 – 312	384	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
HJA8-12	41 – 113	317	17 0001 2170	GTZ-M 300-1	50	65	18	30	M14	25	M8
	99 – 173	317	17 0001 2180	GTZ-M 300-2	50	65	18	30	M14	25	M8
	165 – 240	331	17 0001 2190	GTZ-M 300-3	50	65	18	30	M14	25	M8
	228 – 304	375	17 0001 2200	GTZ-M 300-4	50	65	18	30	M14	25	M8
HOH-12K	41 – 110	314	17 0001 2170	GTZ-M 300-1	50	65	18	30	M14	25	M8
	98 – 169	314	17 0001 2180	GTZ-M 300-2	50	65	18	30	M14	25	M8
	163 – 236	328	17 0001 2190	GTZ-M 300-3	50	65	18	30	M14	25	M8
	227 – 300	372	17 0001 2200	GTZ-M 300-4	50	65	18	30	M14	25	M8
N-12	41 – 116	320	17 0001 2170	GTZ-M 300-1	50	65	18	30	M14	25	M8
	101 – 175	320	17 0001 2180	GTZ-M 300-2	50	65	18	30	M14	25	M8
	167 – 242	334	17 0001 2190	GTZ-M 300-3	50	65	18	30	M14	25	M8
	230 – 306	378	17 0001 2200	GTZ-M 300-4	50	65	18	30	M14	25	M8

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Mors durs à crocs extérieurs

Stries 1,5mm x 60°

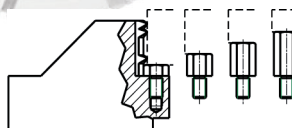
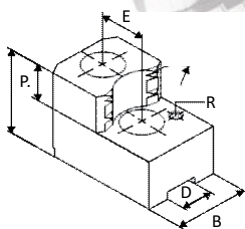
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
NL12	41 – 113	317	17 0001 2170	GTZ-M 300-1	50	65	18	30	M14	25	M8
	101 – 173	317	17 0001 2180	GTZ-M 300-2	50	65	18	30	M14	25	M8
	167 – 239	331	17 0001 2190	GTZ-M 300-3	50	65	18	30	M14	25	M8
	231 – 304	375	17 0001 2200	GTZ-M 300-4	50	65	18	30	M14	25	M8
QJR12	41 – 150	354	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	70 – 209	354	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	130 – 276	368	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	193 – 340	412	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
UVE315K	51 – 132	337	17 0001 2170	GTZ-M 300-1	50	65	18	30	M14	25	M8
	111 – 192	337	17 0001 2180	GTZ-M 300-2	50	65	18	30	M14	25	M8
	177 – 259	351	17 0001 2190	GTZ-M 300-3	50	65	18	30	M14	25	M8
	241 – 323	395	17 0001 2200	GTZ-M 300-4	50	65	18	30	M14	25	M8
Mandrins à partir de Ø 381mm											
B-15	48 – 101	384	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	104 – 158	390	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	164 – 218	390	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	224 – 279	410	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	284 – 339	427	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	344 – 399	479	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
B-215	41 – 99	382	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	85 – 156	388	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	144 – 216	388	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	205 – 277	408	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	264 – 337	425	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	324 – 397	477	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
HJA11-15	41 – 104	388	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	83 – 161	394	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	142 – 221	394	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	202 – 283	413	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	262 – 343	430	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	321 – 403	482	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
HOH-15K	49 – 106	390	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	105 – 164	396	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	165 – 224	396	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	225 – 285	416	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	285 – 345	433	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	345 – 405	485	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
N-15	44 – 101	385	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	100 – 159	391	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	159 – 219	391	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	220 – 280	411	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	280 – 340	428	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	340 – 400	480	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8

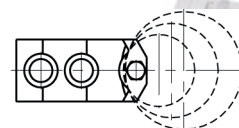
Mors durs à crocs extérieurs

Stries 1,5mm x 60°

Acier

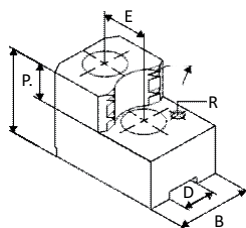
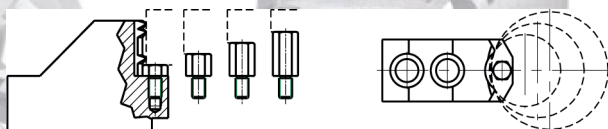


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Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
NV15	44 – 101	385	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	100 – 159	391	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	159 – 219	391	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	220 – 280	411	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	280 – 340	428	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	340 – 400	480	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
Mandrins à partir de Ø 450mm											
B-18	48 – 168	453	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	104 – 226	459	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	164 – 286	459	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	224 – 348	479	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	284 – 408	496	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	344 – 468	548	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
BB218	99 – 175	459	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	157 – 232	465	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	217 – 292	465	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	278 – 354	485	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	338 – 414	502	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	398 – 474	554	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
N-18	101 – 161	446	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	159 – 219	452	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	219 – 279	452	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	280 – 341	472	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	340 – 401	489	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	400 – 461	541	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
NL18	97 – 163	448	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	154 – 221	454	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	214 – 281	454	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	275 – 343	474	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	335 – 403	491	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	395 – 463	543	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
NV18	101 – 161	446	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	159 – 219	452	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	219 – 279	452	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	280 – 341	472	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	340 – 401	489	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	400 – 461	541	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
UPR450	132 – 175	460	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	189 – 233	466	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	249 – 293	466	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	311 – 354	486	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	371 – 415	503	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	431 – 475	555	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8

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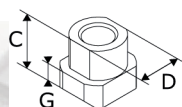
Mors durs à crocs extérieurs

Stries 1,5mm x 60°
Acier

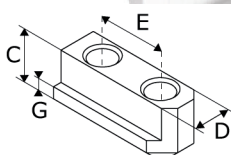
Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 530mm											
BB221	99 – 252	537	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	157 – 309	543	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	217 – 370	543	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	278 – 431	563	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	338 – 492	580	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	398 – 552	632	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8

Stries 3,0mm x 60°
Acier

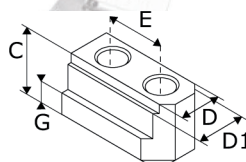
Mandrins à partir de Ø 530mm											
B-21	155 – 283	537	17 0000 7930	GTZ-M 530-1	65	94	25	60	M20	42	M8
	282 – 412	554	17 0000 7940	GTZ-M 530-2	65	94	25	60	M20	42	M8
	410 – 540	640	17 0000 7950	GTZ-M 530-3	65	94	25	60	M20	42	M8
N-21	137 – 270	525	17 0000 7930	GTZ-M 530-1	65	94	25	60	M20	42	M8
	264 – 399	541	17 0000 7940	GTZ-M 530-2	65	94	25	60	M20	42	M8
	391 – 527	627	17 0000 7950	GTZ-M 530-3	65	94	25	60	M20	42	M8
NV21	137 – 270	525	17 0000 7930	GTZ-M 530-1	65	94	25	60	M20	42	M8
	264 – 399	541	17 0000 7940	GTZ-M 530-2	65	94	25	60	M20	42	M8
	391 – 527	627	17 0000 7950	GTZ-M 530-3	65	94	25	60	M20	42	M8
Mandrins à partir de Ø 610mm											
B-24	173 – 361	616	17 0000 7930	GTZ-M 530-1	65	94	25	60	M20	42	M8
	301 – 490	633	17 0000 7940	GTZ-M 530-2	65	94	25	60	M20	42	M8
	428 – 618	719	17 0000 7950	GTZ-M 530-3	65	94	25	60	M20	42	M8
N-24	213 – 347	602	17 0000 7930	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 476	619	17 0000 7940	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 604	705	17 0000 7950	GTZ-M 530-3	65	94	25	60	M20	42	M8
NV24	213 – 347	602	17 0000 7930	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 476	619	17 0000 7940	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 604	705	17 0000 7950	GTZ-M 530-3	65	94	25	60	M20	42	M8
Mandrins à partir de Ø 700mm											
NV28	213 – 443	698	17 0000 7930	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 572	715	17 0000 7940	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 700	801	17 0000 7950	GTZ-M 530-3	65	94	25	60	M20	42	M8
NV32	213 – 538	794	17 0000 7930	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 668	811	17 0000 7940	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 796	897	17 0000 7950	GTZ-M 530-3	65	94	25	60	M20	42	M8
NV36	213 – 658	914	17 0000 7930	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 787	931	17 0000 7940	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 915	1017	17 0000 7950	GTZ-M 530-3	65	94	25	60	M20	42	M8
NV40	213 – 724	980	17 0000 7930	GTZ-M 530-1	65	94	25	60	M20	42	M8
	341 – 853	997	17 0000 7940	GTZ-M 530-2	65	94	25	60	M20	42	M8
	469 – 981	1083	17 0000 7950	GTZ-M 530-3	65	94	25	60	M20	42	M8



Version 1

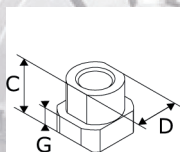


Version 4

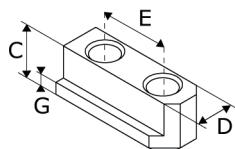


Version 6

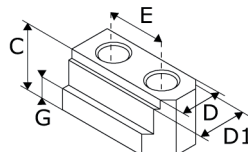
Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	Version
Mandrins à partir de Ø 110mm										
AS04; AS110; AT04	17 0000 4590	WTD 10-2	18	10	-	14	M8x22	5,5	30	4
B-04	17 0000 4580	WTD 8-1	13,5	8	-	15	M6x18	4,5	16	4
B-204	17 0000 3220	WTD 10-4	15	10	-	14	M8x20	5	30	4
BT04	17 0000 4580	WTD 8-1	13,5	8	-	15	M6x18	4,5	16	4
BT204	17 0000 3220	WTD 10-4	15	10	-	14	M8x20	5	30	4
HJ-4	17 0000 4590	WTD 10-2	18	10	-	14	M8x22	5,5	30	4
HOB-4	17 0000 4580	WTD 8-1	13,5	8	-	15	M6x18	4,5	16	4
N-04; NL04; NRC04; NT04	17 0000 4590	WTD 10-2	18	10	-	14	M8x22	5,5	30	4
Mandrins à partir de Ø 135mm										
B-05	17 0000 5820	WTD 10-3	15,5	10	-	18	M8x22	5,5	30	4
B-205	17 0000 3220	WTD 10-4	15	10	-	14	M8x20	5	30	4
BT05	17 0000 5820	WTD 10-3	15,5	10	-	18	M8x22	5,5	30	4
BT205	17 0000 3220	WTD 10-4	15	10	-	14	M8x20	5	30	4
HJ-5	17 0000 5800	WTD 10-5	18	10	-	19	M8x22	5,5	30	4
HOB-5; HOBT-5	17 0000 5820	WTD 10-3	15,5	10	-	18	M8x22	5,5	30	4
N-05; NT05	17 0000 5800	WTD 10-5	18	10	-	19	M8x22	5,5	30	4
Mandrins à partir de Ø 165mm										
AS06; AS165; AT06	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4
B-06; B-07	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4
B-206; B106	17 0000 3230	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4
	17 0000 3280	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1
B160	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4
BB06; BB206; BBT206; BL206; BLT206; BS306	17 0000 3230	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4
	17 0000 3280	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1
BT06	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4
BT206	17 0000 3230	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4
	17 0000 3280	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1
DLN06	17 0000 3230	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4
	17 0000 3280	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1
HJ-6; HJA5-6; HO-6; HOB-6; HOBT-6; HOH-06K	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4
HOH-106	17 0000 3230	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4
	17 0000 3280	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1
HOH-160	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4
HOH-206	17 0000 3230	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4
	17 0000 3280	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1
HOS-6	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4
ML06; MLT06	17 0000 3230	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4
	17 0000 3280	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1
N-06; N160; NL06; NLT06; NRC06; NT06	17 0000 4600	WTD 12-2	22	12	-	20	M10x25	7	50	4



Version 1

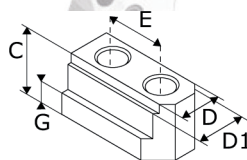
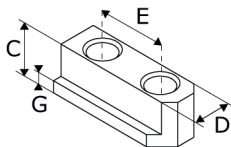
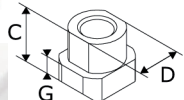


Version 4

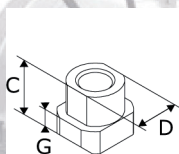


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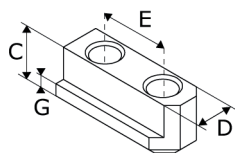
Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	Version
Mandrins à partir de Ø 210mm										
AS08; AS210; AT08	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
B-08	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
B-208; B108	17 0000 3240	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4
	17 0000 3290	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1
B200	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
BB08; BB208; BBT208; BL208; BLT208; BS308	17 0000 3240	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4
	17 0000 3290	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1
BT08	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
BT208	17 0000 3240	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4
	17 0000 3290	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1
DLN08	17 0000 3240	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4
	17 0000 3290	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1
HJ-8; HJA6-8; HO-8; HOB-8; HOBT-8; HOH-08K	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
HOH-108	17 0000 3240	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4
	17 0000 3290	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1
HOH-200	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
HOH-208	17 0000 3240	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4
	17 0000 3290	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1
HOS-8	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
HW-08	17 0000 3230	WTD 12-3	18,5	12	-	20	M10x25	7,5	50	4
	17 0000 3280	WTS 12-2	18,5	12	-	-	M10x25	7,5	50	1
ML08; MLT08	17 0000 3240	WTD 14-3	20,5	14	-	25	M12x30	8,5	70	4
	17 0000 3290	WTS 14-4	20,5	14	-	-	M12x30	8,5	70	1
N-08; N200; NL08; NLT08; NRC08; NT08	17 0000 4610	WTD 14-2	24,5	14	-	25	M12x35	8,5	70	4
	17 0000 8670	WTS 14-3	24,5	14	-	-	M12x35	8,5	70	1
UVE200K	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
Mandrins à partir de Ø 254mm										
AS10; AS250; AT10	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
B-10	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
B-210; B110	17 0000 3250	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4
	17 0000 3300	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1


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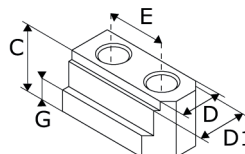
Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	Version
B250	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
BB10; BB210; BBT210; BL210; BLT210; BS310	17 0000 3250	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4
	17 0000 3300	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1
BT10	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
BT210	17 0000 3250	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4
	17 0000 3300	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1
HJ-10; HJA6-10; HJA8-10; HO-10; HOB-10; HOBT-10; HOH-10K	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
HOH-110; HOH-210	17 0000 3250	WTD 16-2	21,5	16	-	30	M12x30	8,5	70	4
	17 0000 3300	WTS 16-2	21,5	16	-	-	M12x30	8,5	70	1
HOH-250; HOS-10; HW-10	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
N-10; N250; NL10; NLT10; NRC10; NT10	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
UVE250K	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1
Mandrins à partir de Ø 304mm										
B-12	17 0000 4630	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	17 0000 4570	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
B-212; B112	17 0000 3260	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	17 0000 3310	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
B300	17 0000 4630	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	17 0000 4570	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
BB212; BBT212	17 0000 5880	WTD 21-4	23	21	-	30	M16x35	11,5	150	4
BL212; BLT212	17 0000 3260	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	17 0000 3310	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
BT12	17 0000 4630	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	17 0000 4570	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
BT212	17 0000 3260	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	17 0000 3310	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
HJ-12;HJA6-12;HJA8-12; HLA6-12;HO-12;HOB-12; HOBT-12	17 0000 4630	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	17 0000 4570	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
HOH-112	17 0000 3260	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	17 0000 3310	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
HOH-12K	17 0000 4630	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	17 0000 4570	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
HOH-212	17 0000 3260	WTD 21-3	28	21	-	30	M16x40	11,5	150	4
	17 0000 3310	WTS 21-4	28	21	-	-	M16x40	11,5	150	1
HOH-300; HOS-12	17 0000 4630	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	17 0000 4570	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
HW-12	17 0000 4620	WTD 16-1	24,5	16	-	30	M12x35	8,5	70	4
	17 0000 8690	WTS 16-1	24,5	16	-	-	M12x35	8,5	70	1



Version 1

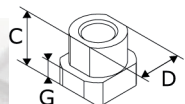


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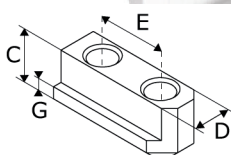


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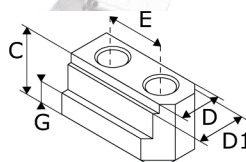
Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	Version
N-12; N300; NL12; NLT12; NT12	17 0000 4630	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	17 0000 4570	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
Mandrins à partir de Ø 381mm										
B-15	17 0000 4660	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	17 0000 8810	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
B-215	17 0000 3270	WTD 25,5-2	39,5	25,5	-	43	M20x50	19	300	4
	17 0000 3320	WTS 25,5-7	39,5	25,5	-	-	M20x50	19	300	1
	17 0000 8820	WTD 22-2	39,5	22	25,5	43	M20x50	19	300	6
B380; BT15	17 0000 4660	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	17 0000 8810	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
HJ-15; HJ380	17 0000 8830	WTD 22-3	45,5	22	24	60	M20x55	16,5	300	4
HJA8-15; HJA11-15	17 0000 4660	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	17 0000 8810	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
HLA6-15; HLA8-15	17 0000 4630	WTD 18-1	33,5	18	-	30	M14x45	13,5	130	4
	17 0000 4570	WTS 18-1	33,5	18	-	-	M14x45	13,5	130	1
HO-15; HOB-15; HOBT-15	17 0000 4660	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	17 0000 8810	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
HOH-15K; HOS-15	17 0000 4650	WTD 22-4	40,5	22	24	43	M20x55	16,5	300	6
	17 0000 3270	WTD 25,5-2	39,5	25,5	-	43	M20x50	19	300	4
N-15; NT15; NV15	17 0000 3320	WTS 25,5-7	39,5	25,5	-	-	M20x50	19	300	1
	17 0000 8820	WTD 22-2	39,5	22	25,5	43	M20x50	19	300	6
Mandrins à partir de Ø 450mm										
B-18; B450	17 0000 4660	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	17 0000 8810	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
BB218	17 0000 8850	WTD 25,5-3	29	25,5	-	43	M20x50	14,4	300	4
	17 0000 8860	WTD 22-7	29	22	25,5	43	M20x50	14,4	300	6
HJ-18	17 0000 8870	WTD 25-1	54	25	-	60	M20x70	19	300	4
HJA8-18; HLA8-18	17 0000 4660	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	17 0000 8810	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
HO-18	17 0000 8870	WTD 25-1	54	25	-	60	M20x70	19	300	4
HOB-18	17 0000 4660	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	17 0000 8810	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6
N-18; NL18; NV18	17 0000 3270	WTD 25,5-2	39,5	25,5	-	43	M20x50	19	300	4
	17 0000 3320	WTS 25,5-7	39,5	25,5	-	-	M20x50	19	300	1
	17 0000 8820	WTD 22-2	39,5	22	25,5	43	M20x50	19	300	6
Mandrins à partir de Ø 530mm										
B-21	17 0000 4640	WTD 25-2	45	25	-	60	M20x60	19	300	4
	17 0000 5810	WTS 25-1	45	25	-	-	M20x60	19	300	1
	17 0000 8880	WTD 22-5	45	22	25	50	M20x60	19	300	6
BB221	17 0000 8850	WTD 25,5-3	29	25,5	-	43	M20x50	14,4	300	4
	17 0000 8860	WTD 22-7	29	22	25,5	43	M20x50	14,4	300	6
HJ-21	17 0000 8870	WTD 25-1	54	25	-	60	M20x70	19	300	4
HJA8-21; HLA8-21	17 0000 4660	WTD 22-1	45,5	22	24	43	M20x60	16,5	300	6
	17 0000 8810	WTD 21-8	42,5	21	24	30	M16x60	16,5	150	6



Version 1

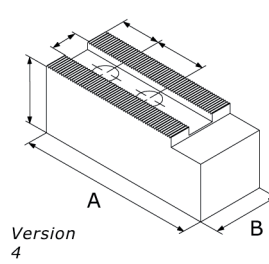
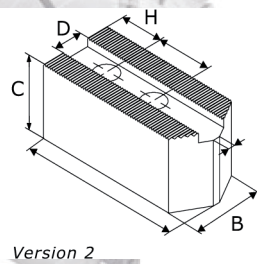
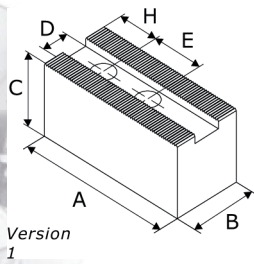


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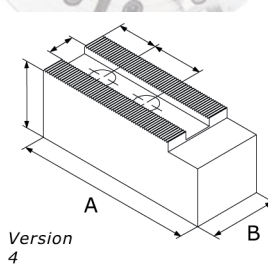
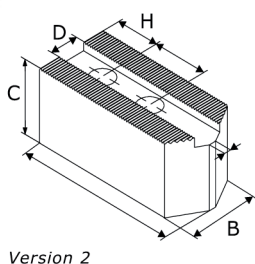
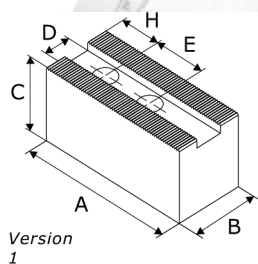


Version 6

Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	Version
HOB-21	17 0000 4640	WTD 25-2	45	25	-	60	M20x60	19	300	4
	17 0000 5810	WTS 25-1	45	25	-	-	M20x60	19	300	1
	17 0000 8880	WTD 22-5	45	22	25	50	M20x60	19	300	6
N-21; NV21	17 0000 4640	WTD 25-2	45	25	-	60	M20x60	19	300	4
	17 0000 5810	WTS 25-1	45	25	-	-	M20x60	19	300	1
	17 0000 8880	WTD 22-5	45	22	25	50	M20x60	19	300	6
UVE550AR	17 0000 4640	WTD 25-2	45	25	-	60	M20x60	19	300	4
	17 0000 5810	WTS 25-1	45	25	-	-	M20x60	19	300	1
	17 0000 8880	WTD 22-5	45	22	25	50	M20x60	19	300	6
Mandrins à partir de Ø 610mm										
B-24	17 0000 4640	WTD 25-2	45	25	-	60	M20x60	19	300	4
	17 0000 5810	WTS 25-1	45	25	-	-	M20x60	19	300	1
	17 0000 8880	WTD 22-5	45	22	25	50	M20x60	19	300	6
HJ-24; HJA11-24; HJA15-24	17 0000 8870	WTD 25-1	54	25	-	60	M20x70	19	300	4
HOB-24	17 0000 4640	WTD 25-2	45	25	-	60	M20x60	19	300	4
	17 0000 5810	WTS 25-1	45	25	-	-	M20x60	19	300	1
	17 0000 8880	WTD 22-5	45	22	25	50	M20x60	19	300	6
N-24; NV24	17 0000 4640	WTD 25-2	45	25	-	60	M20x60	19	300	4
	17 0000 5810	WTS 25-1	45	25	-	-	M20x60	19	300	1
	17 0000 8880	WTD 22-5	45	22	25	50	M20x60	19	300	6
UVE630AR	17 0000 4640	WTD 25-2	45	25	-	60	M20x60	19	300	4
	17 0000 5810	WTS 25-1	45	25	-	-	M20x60	19	300	1
	17 0000 8880	WTD 22-5	45	22	25	50	M20x60	19	300	6
Mandrins à partir de Ø 700mm										
NV28; NV32; NV36; NV40	17 0000 4640	WTD 25-2	45	25	-	60	M20x60	19	300	4
	17 0000 5810	WTS 25-1	45	25	-	-	M20x60	19	300	1
	17 0000 8880	WTD 22-5	45	22	25	50	M20x60	19	300	6
UVE750AR	17 0000 4640	WTD 25-2	45	25	-	60	M20x60	19	300	4
	17 0000 5810	WTS 25-1	45	25	-	-	M20x60	19	300	1
	17 0000 8880	WTD 22-5	45	22	25	50	M20x60	19	300	6



Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 1/16" x 90°											
HFKN-D 110-32; HFKS 110	17 0001 1220	MKS-C 110-1	50	20	40	8	12	M6	11,5	-	1
SP 125-26; STP 125	17 0000 6920	MKS-C 125-1	55,5	30	40	11	18	M8	10	-	1
	17 0001 1230	MKS-C 125-2	55,5	30	38	12	16	M8	10	-	1
HFKS 130; STWP 125	17 0000 6920	MKS-C 125-1	55,5	30	40	11	18	M8	10	-	1
AL-D 125; AN-D 125; BB-D 140; BH-D 130; GHDN 125; HB-D 130; KDV 130; ODN 125; PB-D 130; PBI-D 130	17 0001 1230	MKS-C 125-2	55,5	30	38	12	16	M8	10	-	1
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165; GHD-FC 165; GHDN 165; HB-D 165; HFKN-D 165-46; HYND-S 180; NT-D170; PB-D 165; PBI-D 165; RC-D 165; SP160-38; STP 160; STWP 160	17 0001 1590	MKS-C 160-3	68	35	60	14	20	M10	15	-	1
	17 0001 1580	MTS-C 160-2	80	35	40	14	20	M10	15	4	2
HFK 160; HFKS 160; KDV 160; KDVG 160; KFMF 160; KJV 160	17 0000 5390	MKS-C 165-1	70	35	40	17	22	M12	15	-	1
	17 0000 5400	MKS-C 165-2	70	40	60	17	22	M12	15	-	1
	17 0000 6960	MTS-C 165-1	78	35	40	17	22	M12	15	4	2
210RCD; AL-D 210; AN-D 210; AP-D 215; AP-D 260 7); APL-D 215; APL-D 260; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220; BP-D 260; CC 240 Z; CD 200; GHD-FC 210; GHDN 210; HB-D 210; HDB 220; HDL 200; HDN 200; HDN 220; HDN 250S; HFK 200; HFKN-D 210-52; HFKS 200; HYND-S 210; HYND-S 226; KDV 200; KDV 250; KDVG 200; KDVG 250; KFMF 200; KJV 200; LP 205; NT-D 215; NT-D 260; NTL-D 260; ODL 200; ODN 200; ODN 220; ODN 250S; PB-D 210; PBI-D 210; RC-D 210; SP 200; SP 240-78; STP 200; STP 240; STWP 200	17 0000 6970	MKS-C 200-2	90	40	40	17	22	M12	25	-	1
	17 0000 5440	MKS-C 200-3	90	40	60	17	22	M12	25	-	1
CL-D 200; KZF 200; KZF-ES 200; US-2 CLD 200	17 0000 6990	2MKS-C 200-1	95	80	80	21	28	M16	22	-	1
	17 0001 1730	MKS-C 250-2	95	50	60	21	28	M16	15	-	1
250RCD; 305RCD; AL-D 250; AL-D 315; AN-D 250; AN-D 315; AP-D 315; APL-D 315; BB-D 250; BB-D 315; BH-D 250; BH-D 315; BHD-FC 250; BHD-FC 315; BP-D 320; CC 350 Z; CD 250; CD 315; GHD 400; GHD-FC 250; GHD-FC 305; GHD-FC400; GHDN 250; GHDN 315; GHDN 400; HB-D 250; HB-D 315; HDB 300; HDL 250; HDL 315; HDL 400; HDN 250; HDN 315; HDN 400; HFK 250; HFK 270; HFK 315; HFKN-D 260-72; HFKN-D 315-91; HFKS 250; HFKS 270; HFKS 315; HYND-S 250; HYND-S 315; KDV 315; KDV 400; KDVG 315; KDVG 400; KFMF 250; KFMF 315; KJV 250; KJV 315; LP 250; NT-D 315; NTL-D 315; ODL 250; ODL 315; ODL 400; ODN 250; ODN 315; ODN 400; PB-D 250; PB-D 315; PBI-D 250; PBI-D 315; RC-D 250; RC-D 305; RC-D 4007); SP 250; SP 280-92; SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 250; STP 280; STP 315; STWP 250; STWP 315	17 0000 6980	MTS-C 250-1	120	50	50	21	28	M16	20	4	2
	17 0000 5240	MKS-C 250-3	120	50	80	21	28	M16	30	-	1
	17 0000 5460	MTS-C 315-1	140	50	50	21	28	M16	30	4	2



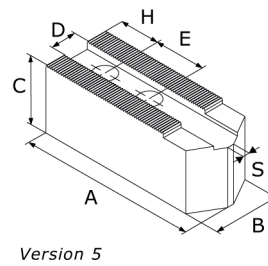
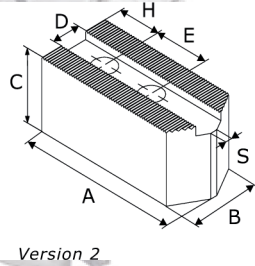
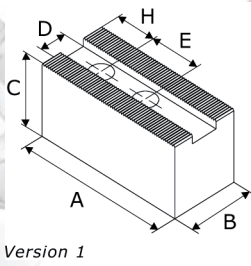
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Mors doux

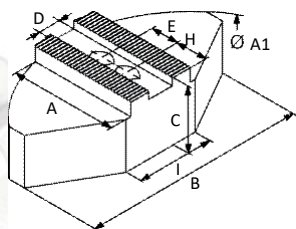
Stries 90°

Acier

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
CL-D 250; KZF 250; KZF-ES 250; US-2 CLD 250	17 0000 0090	2MKS-C 250-1	110	80	80	25,5	35	M20	20	-	1
CL-D 315; KZF 315; KZF-ES 315; US-2 CLD 315	17 0000 0670	2MKS-C 315-1	125	80	80	25,5	35	M20	28	-	1
Stries 3/32" x 90°											
AL-D 400; AN-D 400; AP-D 400; APL-D 4007; APL-D 500; APL-D 630; APL-D 800; BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL- SC2G 510-191; BB-EXL-SC2G 660-280; BB-N 400-140; BB-N 460; BB-N 470-191; BB-N 500-205; BB-N 500-230; BB-N 600- 275; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BB-N ES 500-205; BB-N ES 500-230; BB-N ES 600-275; BB-N-EXL2G 510-191; BB-N-EXL2G 660-280; BB-SC 600- 275; BH-D 400; BH-D 450; BH-D 500; BH-D 630; BH-D 800; BHD-FC 400; BHD-FC 500; BHD-FC 630; CC 470 Z; GHD 500; GHD 610; GHD 640; GHD 800; HFK 400; HFK 500; HFKN-D 400-128; HFKN-D 500-155; HFKS 400; HFKS 500; HYD-S 400; HYD-S 500; HYDL-S 500; HYDL-S 550; HYDL-S 630; HYDL-S 800; HYDLL-S 550; HYDLL-S 630; HYND-S 400; IEP-D 500; IEP-D 630; IEP-D 800; IL-D 500; IL-D 630; IL-D 800; IN-D 500; IN-D 630; IN-D 800; KDV 500; KDVG 500; KFV 400; KFV 500; KFV 630; KFV 800; NT-D 400; NTL-D 400; RC-D 500	17 0000 7010	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
BB 400; BB 400 ES; LP 380; LP 460; STP 400	17 0000 6490	MKS-C 400-3	155	60	100	25,5	40	M18	35	-	1
BB 500; BB 500 ES; BB 630-265 ES; LP 500; STP 500	17 0000 6500	MKS-C 400-4	195	60	100	25,5	40	M18	37	-	1
BB 630; BB 630-325 ES; BB-AZ-ES 630-275; BB-AZ-ES 750-370; BB-AZ2G 685-275; BB-AZ2G 740-330; BB-N 630-310; BB-N ES 630-325; STP 630	17 0000 6510	MKS-C 600-1	240	75	90	30	65	M24	42	-	4
BB 800; BB 850 ES; BB 1000; BB 1000 ES; BB-AZ2G 800-390; BB-AZ2G 1000-560; BB- EXL-SC2G 900-390; BB-N 800-410; BB-N 1000; BB-N ES 850-375; BB-N ES 1000-560; BB-N-EXL2G 900-390; BB-SC 850-395; BB- SC 1020-565; ST	17 0000 6520	MKS-C 600-2	300	75	90	30	65	M24	68	-	4



Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 1,5mm x 60°											
AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC 165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	17 0000 7810	MKS-M 165-1	72	32	32	12	20	M10	15	-	1
	17 0001 1630	MKS-M 165-2	72	35	60	12	20	M10	15	-	1
	17 0000 0840	MTS-M 165-3	75	30	30	12	20	M10	15	13	2
	17 0000 0850	MTS-M 165-4	81	30	30	12	20	M10	15	13	2
	17 0000 7820	MTS-M 165-1	82	32	32	12	20	M10	15	4	5
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	17 0001 1760	MTS-M 165-2	82	35	60	12	20	M10	15	4	5
	17 0000 0860	MTS-M 210-4	95	35	35	14	25	M12	20	15	2
	17 0000 7830	MKS-M 210-1	95	35	40	14	25	M12	24	-	1
	17 0001 1640	MKS-M 210-2	95	35	60	14	25	M12	24	-	1
	17 0001 1650	MKS-M 210-3	95	40	80	14	25	M12	24	-	1
	17 0000 4750	MKS-M 210-4	95	40	100	14	25	M12	24	-	1
	17 0000 7840	MTS-M 210-1	102	35	40	14	25	M12	20	4	5
	17 0000 0880	MTS-M 210-5	102	35	40	14	25	M12	20	15	2
	17 0000 4760	MTS-M 210-2	102	40	80	14	25	M12	20	4	5
17 0000 4770	MTS-M 210-3	102	40	100	14	25	M12	20	4	5	
AL-M 250; AN-M 250; AP-M 260; APL-M 260; BB-M 250; BH-M 250; BHM-FC 250; BP-M 260; HB-M 250; HFKN-M 260-72; NT-M 260; NTL-M 260; PB-M 250; PBI-M 250; RC-M 250	17 0000 7080	MKS-M 250-6	90	40	60	16	30	M12	15	-	1
	17 0000 7090	MKS-M 250-7	90	50	80	16	30	M12	15	-	1
	17 0000 0890	MTS-M 250-4	110	40	40	16	30	M12	20	17	2
	17 0000 7850	MKS-M 250-1	110	40	42	16	30	M12	30	-	1
	17 0000 7860	MKS-M 250-2	110	40	60	16	30	M12	30	-	1
	17 0000 1200	MTS-M 250-5	110	40	60	16	30	M12	20	17	2
	17 0001 1660	MKS-M 250-3	110	40	80	16	30	M12	30	-	1
	17 0001 1670	MKS-M 250-4	120	40	100	16	30	M12	30	-	1
	17 0000 1230	MKS-M 250-5	120	40	120	16	30	M12	30	-	1
	17 0000 7100	MKS-M 250-8	120	50	50	16	30	M12	30	-	1
	17 0001 1600	MTS-M 250-1	125	40	42	16	30	M12	30	4	5
	17 0001 1710	MTS-M 250-2	125	40	60	16	30	M12	30	4	5
	17 0000 7070	MTS-M 250-3	125	40	100	16	30	M12	30	4	5
	AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; GH-M 400; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305; RC-M 400	17 0001 1610	MKS-M 300-4	129	50	60	21	30	M16	39	-
17 0001 1680		MKS-M 300-5	129	50	80	21	30	M16	39	-	1
17 0000 1250		MKS-M 300-6	129	50	100	21	30	M16	25	-	1
17 0000 1260		MKS-M 300-7	129	50	120	21	30	M16	25	-	1
17 0000 7160		MKS-M 300-9	140	50	100	21	30	M16	30	-	1
17 0001 1620		MTS-M 300-5	145	50	50	21	30	M16	30	10	5
17 0000 7170		MTS-M 300-6	145	50	100	21	30	M16	30	10	5
AL-M 400; AN-M 400; AP-M 400; APL-M 400; BH-M 400; BH-M 450; BHM-FC 400; NT-M 400; NTL-M 400		17 0000 3060	MKS-M 380-1	165	60	60	22	43	M20	37	-
	17 0000 4100	MKS-M 380-2	165	60	80	22	43	M20	37	-	1
	17 0000 4120	MKS-M 380-3	165	60	120	22	43	M20	37	-	1
	17 0000 7180	MTS-M 380-1	185	60	60	22	43	M20	30	10	5

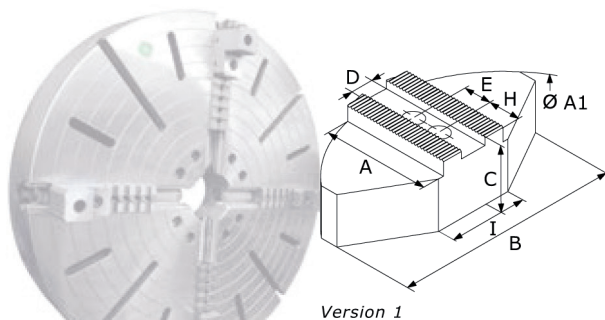


Stries 90°
Acier

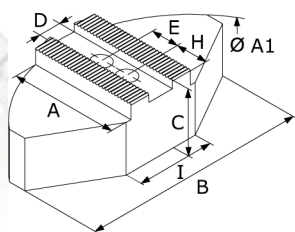
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Mors doux enveloppants

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 1/16" x 90°												
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165; GHD-FC 165; GHDN 165; HB-D 165; HFKN-D 165-46; HYND-S 180; NT-D 170; PB-D 165; PBI-D 165; RC-D 165; SP 160-38; STP 160; STWP 160	17 0000 6580	GPS-C 160-3	60	120	60	14	20	M10	25	40	160	1
HFK 160; HFKS 160; KDV 160; KDBG 160; KFMF 160; KFV 160	17 0000 6590	GPS-C 165-1	60	120	60	17	22	M12	25	40	160	1
210RCD; AL-D 210; AN-D 210; AP-D 215; APL-D 215; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220; CD 200; GHD-FC 210; GHDN 210; HB-D 210; HDB 220; HDL 200; HDN 200; HDN 220; HFK 200; HFKN-D 210-52; HFKS 200; HYND-S 210; HYND-S 226; KDV 200; KDBG 200; KFMF 200; KFV 200; LP 205; NT-D 215; ODL 200; ODN 200; ODN 220; PB-D 210; PBI-D 210; RC-D 210; SP 200; STP 200; STWP 200	17 0000 1300	GPS-C 200-1	70	140	60	17	22	M12	35	64	200	1
	17 0000 6560	GPS-C 200-2	70	140	75	17	22	M12	35	64	200	1
AP-D 260; APL-D 260; BP-D 260; CC 240 Z; HDN 250S; KDV 250; KDBG 250; NT-D 260; NTL-D 260; ODN 250S; SP 240-78; STP 240	17 0000 7390	GPS-C 250-1	79	180	60	17	22	M12	44,5	104	250	1
250RCD; AL-D 250; AN-D 250; BB-D 250; BH-D 250; BHD-FC 250; CD 250; GHD-FC 250; GHDN 250; HB-D 250; HDL 250; HDN 250; HFK 250; HFK 270; HFKN-D 260-72; HFKS 250; HFKS 270; HYND-S 250; KFMF 250; KFV 250; LP 250; ODL 250; ODN 250; PB-D 250; PBI-D 250; RC-D 250; SP 250; SP 280-92; STP 250; STP 280; STWP 250	17 0000 1310	GPS-C 250-2	80	180	70	21	28	M16	30	104	250	1
	17 0000 6570	GPS-C 250-3	80	180	100	21	28	M16	30	104	250	1
305RCD; AL-D 315; AN-D 315; AP-D 315; APL-D 315; BB-D 315; BH-D 315; BHD-FC 315; BP-D 320; CC 350 Z; CD 315; GHD 400; GHD-FC 305; GHD-FC 400; GHDN 315; GHDN 400; HB-D 315; HDB 300; HDL 315; HDL 400; HDN 315; HDN 400; HFK 315; HFKN-D 315-91; HFKS 315; HYND-S 315; KDV 315; KDV 400; KDBG 315; KDBG 400; KFMF 315; KFV 315; NT-D 315; NTL-D 315; ODL 315; ODL 400; ODN 315; ODN 400; PB-D 315; PBI-D 315; RC-D 305; RC-D 400; SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 315; STWP 315	17 0000 1320	GPS-C 315-1	110	240	70	21	28	M16	60	120	320	1



Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 3/32" x 90°												
AL-D 400; AN-D 400; AP-D 400; APL-D 400; APL-D 500; APL-D 630; APL-D 800; BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL-SC2G 510-191; BB-EXL-SC2G 660-280; BB-N 400-140; BB-N 460; BB-N 470-191; BB-N 500-205; BB-N 500-230; BB-N 600-275; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BB-N ES 500-205; BB-N ES 500-230; BB-N ES 600-275; BB-N-EXL2G 510-191; BB-N-EXL2G 660-280; BB-SC 600-275; BH-D 400; BH-D 450; BH-D 500; BH-D 630; BH-D 800; BHD-FC 400; BHD-FC 500; BHD-FC 630; CC 470 Z; GHD 500; GHD 610; GHD 640; GHD 800; HFK 400; HFK 500; HFKN-D 400-128; HFKN-D 500-155; HFKS 400; HFKS 500; HYD-S 400; HYD-S 500; HYDL-S 500; HYDL-S 550; HYDL-S 630; HYDL-S 800; HYDLL-S 550; HYDLL-S 630; HYND-S 400; IEP-D 500; IEP-D 630; IEP-D 800; IL-D 500; IL-D 630; IL-D 800; IN-D 500; IN-D 630; IN-D 800; KDV 500; KDVG 500; KFV 400; KFV 500; KFV 630; KFV 800; NT-D 400; NTL-D 400; RC-D 500	17 0001 1690	GPS-C 400-1	155	330	85	25,5	35	M20	85	150	440	1



Version 1

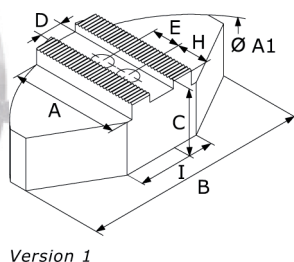
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Mors doux enveloppants

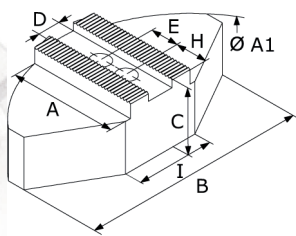
Stries 90°

Aluminium

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 1/16" x 90°												
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165; GHD-FC 165; GHDN 165; HB-D 165; HFKN-D 165-46; HYND-S 180; NT-D 170; PB-D 165; PBI-D 165; RC-D 165; SP 160-38; STP 160; STWP 160	17 0000 6300	GPA-C 160-2	59,5	120	58	14	20	M10	25	40	165	1
HFK 160; HFKS 160; KDV 160; KDBG 160; KFMF 160; KJV 160	17 0000 6310	GPA-C 165-1	59,5	120	58	17	22	M12	22	40	165	1
210RCD; AL-D 210; AN-D 210; AP-D 215; APL-D 215; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220; CD 200; GHD-FC 210; GHDN 210; HB-D 210; HDB 220; HDL 200; HDN 200; HDN 220; HFK 200; HFKN-D 210-52; HFKS 200; HYND-S 210; HYND-S 226; KDV 200; KDBG 200; KFMF 200; KJV 200; LP 205; NT-D 215; ODL 200; ODN 200; ODN 220; PB-D 210; PBI-D 210; RC-D 210; SP 200; STP 200; STWP 200	17 0000 1300	GPA-C 200-1	72,5	140	58	17	22	M12	35	50	200	1
	17 0000 6330	GPA-C 200-2	72,5	140	75	17	22	M12	35	50	200	1
250RCD; AL-D 250; AN-D 250; BB-D 250; BH-D 250; BHD-FC 250; CD 250; GHD-FC 250; GHDN 250; HB-D 250; HDL 250; HDN 250; HFK 250; HFK 270; HFKN-D 260-72; HFKS 250; HFKS 270; HYND-S 250; KFMF 250; KJV 250; LP 250; ODL 250; ODN 250; PB-D 250; PBI-D 250; RC-D 250; SP 250; SP 280-92; STP 250; STP 280; STWP 250	17 0000 6340	GPA-C 250-1	87,5	180	78	21	28	M16	40	70	250	1
	17 0000 6350	GPA-C 250-3	87,5	180	100	21	28	M16	40	70	250	1
305RCD; AL-D 315; AN-D 315; AP-D 315; APL-D 315; BB-D 315; BH-D 315; BHD-FC 315; BP-D 320; CC 350 Z; CD 315; GHD 400; GHD-FC 305; GHD-FC 400; GHDN 315; GHDN 400; HB-D 315; HDB 300; HDL 315; HDL 400; HDN 315; HDN 400; HFK 315; HFKN-D 315-91; HFKS 315; HYND-S 315; KDV 315; KDV 400; KDBG 315; KDBG 400; KFMF 315; KJV 315; NT-D 315; NTL-D 315; ODL 315; ODL 400; ODN 315; ODN 400; PB-D 315; PBI-D 315; RC-D 305; RC-D 400; SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 315; STWP 315	17 0000 6360	GPA-C 315-1	117	240	78	21	28	M16	70	80	320	1



Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 3/32" x 90°												
AL-D 400; AN-D 400; AP-D 400; APL-D 400; APL-D 500; APL-D 630; APL-D 800; BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL-SC2G 510-191; BB-EXL-SC2G 660-280; BB-N 400-140; BB-N 460; BB-N 470-191; BB-N 500-205; BB-N 500-230; BB-N 600-275; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BB-N ES 500-205; BB-N ES 500-230; BB-N ES 600-275; BB-N-EXL2G 510-191; BB-N-EXL2G 660-280; BB-SC 600-275; BH-D 400; BH-D 450; BH-D 500; BH-D 630; BH-D 800; BHD-FC 400; BHD-FC 500; BHD-FC 630; CC 470 Z; GHD 500; GHD 610; GHD 640; GHD 800; HFK 400; HFK 500; HFKN-D 400-128; HFKN-D 500-155; HFKS 400; HFKS 500; HYD-S 400; HYD-S 500; HYDL-S 500; HYDL-S 550; HYDL-S 630; HYDL-S 800; HYDLL-S 550; HYDLL-S 630; HYND-S 400; IEP-D 500; IEP-D 630; IEP-D 800; IL-D 500; IL-D 630; IL-D 800; IN-D 500; IN-D 630; IN-D 800; KDV 500; KDVG 500; KJV 400; KJV 500; KJV 630; KJV 800; NT-D 400; NTL-D 400; RC-D 500	17 0001 1690	GPS-C 400-1	155	330	85	25,5	35	M20	85	150	440	1



Version 1

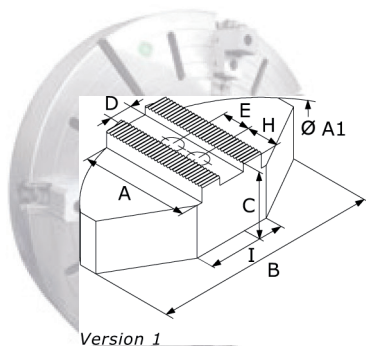
AUTOBLOK-SMW

Mors doux enveloppants

Stries 60°
Acier

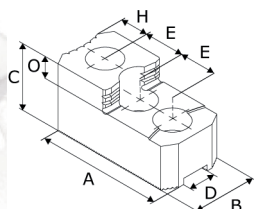
Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 1,5mm x 60°												
AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC 165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	17 0000 1380	GPS-M 165-1	60	120	50	12	20	M10	25	50	160	1
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	17 0000 1390	GPS-M 210-1	70	140	60	14	25	M12	30	70	200	1
	17 0000 6610	GPS-M 210-2	70	140	80	14	25	M12	30	70	200	1
AL-M 250; AN-M 250; AP-M 260; APL-M 260; BB-M 250; BH-M 250; BHM-FC 250; BP-M 260; HB-M 250; HFKN-M 260-72; NT-M 260; NTL-M 260; PB-M 250; PBI-M 250; RC-M 250	17 0000 1400	GPS-M 250-1	80	180	60	16	30	M12	30	100	250	1
	17 0000 6620	GPS-M 250-2	80	180	80	16	30	M12	30	100	250	1
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; GH-M 400; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305; RC-M 400	17 0000 1410	GPS-M 300-2	110	240	70	21	30	M16	45	120	300	1



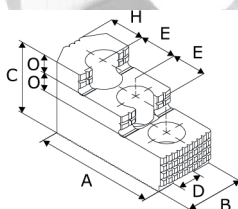


Version 1

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 1,5mm x 60°												
AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC 165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	17 0000 6370	GPA-M 165-1	59,5	120	58	12	20	M10	25	40	165	1
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	17 0000 6380	GPA-M 210-1	72,5	140	58	14	25	M12	35	50	200	1
	17 0000 6390	GPA-M 210-2	72,5	140	80	14	25	M12	35	50	200	1
AL-M 250; AN-M 250; AP-M 260; APL-M 260; BB-M 250; BH-M 250; BHM-FC 250; BP-M 260; HB-M 250; HFKN-M 260-72; NT-M 260; NTL-M 260; PB-M 250; PBI-M 250; RC-M 250	17 0000 6400	GPA-M 250-1	87,5	180	58	16	30	M12	40	70	250	1
	17 0000 6410	GPA-M 250-2	87,5	180	80	16	30	M12	40	70	250	1
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; GH-M 400; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305; RC-M 400	17 0000 6430	GPA-M 300-2	117	240	78	21	30	M16	45	80	320	1



Version 1



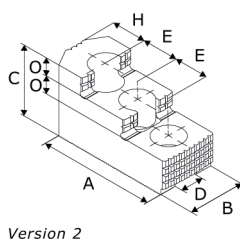
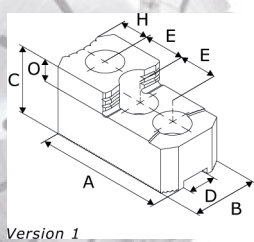
Version 2

AUTOBLOK-SMW

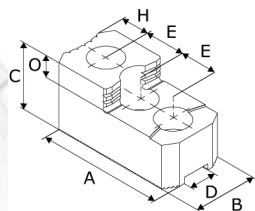
Mors durs réversibles

Stries 60°
Acier

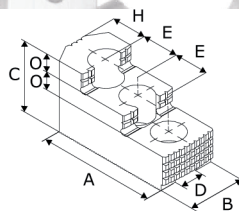
Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	O	Version
Stries 1/16" x 90°											
SP 125-26; STP 125	17 0000 7440	SGT-C 125-1	58,5	26	40	11	16	M8	14,5	9	2
	17 0000 1460	SGT-C 160-1	58	30	34	12	16	M8	13	8,5	2
HFKS 130; STWP 125	17 0000 7440	SGT-C 125-1	58,5	26	40	11	16	M8	14,5	9	2
AL-D 125; AN-D 125; BB-D 140; BH-D 130; GHDN 125; HB-D 130; KDV 130; ODN 125; PB-D 130; PBI-D 130	17 0000 1460	SGT-C 160-1	58	30	34	12	16	M8	13	8,5	2
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165; GHD-FC 165; GHDN 165; HB-D 165; HFKN-D 165-46; HYND-S 180; NT-D 170; PB-D 165; PBI-D 165; RC-D 165; SP 160-38; STP 160; STWP 160	17 0000 1470	SGT-C 165-1	65	34	40	14	16,5	M10	17,5	9,8	2
HFK 160; HFKS 160; KDV 160; KDBG 160; KFMF 160; KJV 160	17 0000 7460	SGT-C 165-1	64,7	35	40	17	19	M12	28	10	2
	17 0000 7470	SGT-C 165-2	72,5	40	49	17	19	M12	18	12	2
210RCD; AL-D 210; AN-D 210; AP-D 215; AP-D 260; APL-D 215; APL-D 260; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220; BP-D 260; CC 240 Z; CD 200; GHD-FC 210; GHDN 210; HB-D 210; HDB 220; HDL 200; HDN 200; HDN 220; HDN 250S; HFK 200; HFKN-D 210-52; HFKS 200; HYND-S 210; HYND-S 226; KDV 200; KDV 250; KDBG 200; KDBG 250; KFMF 200; KJV 200; LP 205; NT-D 215; NT-D 260; NTL-D 260; ODL 200; ODN 200; ODN 220; ODN 250S; PB-D 210; PBI-D 210; RC-D 210; SP 200; SP 240-78; STP 200; STP 240; STWP 200	17 0000 1480	SGT-C 200-1	83	40	46	17	23	M12	20	10,5	2
250RCD; AL-D 250; AN-D 250; BB-D 250; BH-D 250; BHD-FC 250; CD 250; GHD-FC 250; GHDN 250; HB-D 250; HDL 250; HDN 250; HFK 250; HFK 270; HFKN-D 260-72; HFKS 250; HFKS 270; HYND-S 250; KFMF 250; KJV 250; LP 250; ODL 250; ODN 250; PB-D 250; PBI-D 250; RC-D 250; SP 250; SP 280-92; STP 250; STP 280; STWP 250	17 0000 1490	SGT-C 250-1	106	45	56	21	30	M16	27	13,5	2
305RCD; AL-D 315; AN-D 315; AP-D 315; APL-D 315; BB-D 315; BH-D 315; BHD-FC 315; BP-D 320; CC 350 Z; CD 315; GHD 400; GHD-FC 305; GHD-FC 400; GHDN 315; GHDN 400; HB-D 315; HDB 300; HDL 315; HDL 400; HDN 315; HDN 400; HFK 315; HFKN-D 315-91; HFKS 315; HYND-S 315; KDV 315; KDV 400; KDBG 315; KDBG 400; KFMF 315; KJV 315; NT-D 315; NTL-D 315; ODL 315; ODL 400; ODN 315; ODN 400; PB-D 315; PBI-D 315; RC-D 305; RC-D 4007; SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 315; STWP 315	17 0000 1500	SGT-C 315-1	124	50	56	21	30	M16	45	13,5	2



Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	O	Version
Stries 3/32" x 90°											
AL-D 400; AN-D 400; AP-D 400; APL-D 400; APL-D 500; APL-D 630; APL-D 800; BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL-SC2G 510-191; BB-EXL-SC2G 660-280; BB-N 400-140; BB-N 460; BB-N 470-191; BB-N 500-205; BB-N 500-230; BB-N 600-275; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BB-N ES 500-205; BB-N ES 500-230; BB-N ES 600-275; BB-N-EXL2G 510-191; BB-N-EXL2G 660-280; BB-SC 600-275; BH-D 400; BH-D 450; BH-D 500; BH-D 630; BH-D 800; BHD-FC 400; BHD-FC 500; BHD-FC 630; CC 470 Z; GHD 500; GHD 610; GHD 640; GHD 800; HFK 400; HFK 500; HFKN-D 400-128; HFKN-D 500-155; HFKS 400; HFKS 500; HYD-S 400; HYD-S 500; HYDL-S 500; HYDL-S 550; HYDL-S 630; HYDL-S 800; HYDLL-S 550; HYDLL-S 630; HYND-S 400; IEP-D 500; IEP-D 630; IEP-D 800; IL-D 500; IL-D 630; IL-D 800; IN-D 500; IN-D 630; IN-D 800; KDV 500; KDVG 500; KfV 400; KfV 500; KfV 630; KfV 800; NT-D 400; NTL-D 400; RC-D 500	17 0000 1520	SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
BH-D 400; BH-D 450; BH-D 500; BH-D 630; BH-D 800; BHD-FC 400; BHD-FC 500; BHD-FC 630; CC 470 Z; GHD 500; GHD 610; GHD 640; GHD 800; HFK 400; HFK 500; HFKN-D 400-128; HFKN-D 500-155; HFKS 400; HFKS 500; HYD-S 400; HYD-S 500; HYDL-S 500; HYDL-S 550; HYDL-S 630; HYDL-S 800; HYDLL-S 550; HYDLL-S 630; HYND-S 400; IEP-D 500; IEP-D 630; IEP-D 800; IL-D 500; IL-D 630; IL-D 800; IN-D 500; IN-D 630; IN-D 800; KDV 500; KDVG 500; KfV 400; KfV 500; KfV 630; KfV 800; NT-D 400; NTL-D 400; RC-D 500	17 0000 1530	SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1
BB 400; BB 400 ES; BB 500; BB 500 ES; BB 630-265 ES; LP 380; LP 460; LP 500; STP 400; STP 500	17 0000 7480	SGT-C 400-2	160	57	73	25,5	42	M18	43	22	1
BB 630; BB 630-325 ES; BB-AZ-ES 630-275; BB-AZ-ES 750-370; BB-AZ2G 685-275; BB-AZ2G 740-330; BB-N 630-310; BB-N ES 630-325; STP 630	17 0000 7490	SGT-C 600-2	174	75	88	30	50	M24	44,5	30	1
BB 800; BB 850 ES; BB 1000; BB 1000 ES; BB-AZ2G 800-390; BB-AZ2G 1000-560; BB-EXL-SC2G 900-390; BB-N 800-410; BB-N 1000; BB-N ES 850-375; BB-N ES 1000-560; BB-N-EXL2G 900-390; BB-SC 850-395; BB-SC 1020-565; STP 800	17 0000 7500	SGT-C 800-1	250	75	105	30	60	M24	92	22	2



Version 1



Version 2

AUTOBLOK-SMW

Mors durs réversibles

Stries 60°
Acier

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	O	Version
Stries 1,5mm x 60°											
AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC 165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	17 0000 1540	SGT-M 165-1	67	31	36	12	20	M10	14	12	1
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	17 0000 7510	SGT-M 210-1	79	32	38	14	25	M12	16	12	1
	17 0000 1550	SGT-M 210-2	87	35	51	14	25	M12	20,5	12	2
AL-M 250; AN-M 250; AP-M 260; APL-M 260; BB-M 250; BH-M 250; BHM-FC 250; BP-M 260; HB-M 250; HFKN-M 260-72; NT-M 260; NTL-M 260; PB-M 250; PBI-M 250; RC-M 250	17 0000 1560	SGT-M 250-1	101	40	54	16	30	M12	23	13	2
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; GH-M 400; HB-M 315; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305; RC-M 400	17 0000 1570	SGT-M 300-3	103	50	52	21	30	M16	22,5	17	1
	17 0000 7530	SGT-M 300-4	128	50	62	21	30	M16	46	14	2
AL-M 400; AN-M 400; AP-M 400; APL-M 400; BH-M 400; BH-M 450; BHM-FC 400; NT-M 400; NTL-M 400	17 0000 3170	SGT-M 380-1	149	62	86	22	43	M20	30,5	20	2

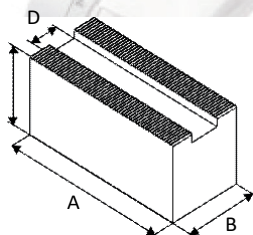
Système Reishauer

Système Forkardt

AUTOBLOK-SMW
Semelles de base pour
changement rapide

Acier

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	Z
Système Reishauer - denture droite									
KNCS 140; KNCS-N 140-35	17 0000 2840	SPT-ZR 140-1	56	20	27,5	8	32	M8	18
HG 160; HG-N 160-46; KNCS 160; KNCS 175; KNCS-N 170-43; KNSP 160; RMG 160	17 0000 2850	SPT-ZR 160-1	65	20	27,5	8	32	M8	18
HG 200; HG-N 210-60; KNCS 200; KNCS 210; KNCS-N 210-52; KNCS-N 225-66; KNSP 200; RMG 200	17 0000 2860	SPT-ZR 200-1	85	22	29,5	10	40	M8	20
HG 250; HG-N 260-81; KNCS 250; KNCS 260; KNCS-N 260-78; KNCS-N 275-86; RMG 250	17 0000 2870	SPT-ZR 250-1	104	26	37	12	40	M12	20
HG 315; HG-N 315-102; KNCS 315; KNCS-N 325-104; KNCS-N 340-117	17 0000 2880	SPT-ZR 315-1	115	32	43	12	40	M12	20
HG 400; HG-N 400-128; KNCS 400; KNCS-N 400-128; RMG 315	17 0000 2890	SPT-ZR 400-1	125	32	43	12	54	M12	26
HG 500; HG-N 500-165; KNCS 500; KNCS-N 500-155	17 0000 2900	SPT-ZR 500-1	160	45	57	18	60	M16	30
HG 630; HG-N 630-254; KNCS 630; KNCS-N 630-165	17 0000 2910	SPT-ZR 630-1	200	45	57	18	60	M16	30
Système Forkardt - denture inclinée									
HG-F 160-46	17 0000 2920	SPT-ZF 160-1	74	20	27	8	32	M8x1	18
HG-F 210-60	17 0000 2930	SPT-ZF 200-1	90	22	32	10	40	M8x1	20
HG-F 260-81	17 0000 2940	SPT-ZF 250-1	110	26	37	12	40	M12x1,5	20
HG-F 315-102	17 0000 2950	SPT-ZF 315-1	125	32	43	12	54	M12x1,5	26
HG-F 400-128; HG-F 500-165	17 0000 2960	SPT-ZF 400-1	160	45	51	18	60	M16x1,5	30
HG-F 630-254	17 0000 2970	SPT-ZF 630-1	230	65	58	24	82	M20	40

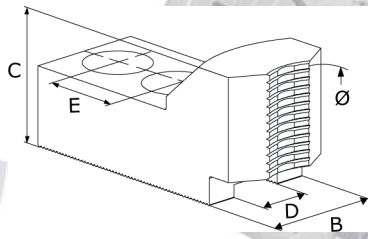


ACCESSOIRES

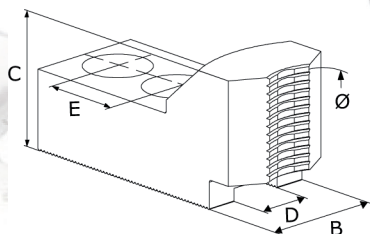
Barres striées

Acier

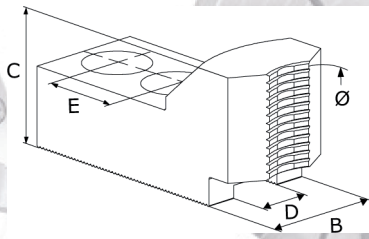
Fabricant	Index	Type	A	B	C	D
Stries 1/16" x 90°						
Autoblok-SMW; Berg; Bison; Forkardt; Röhm; Schunk	17 0000 6110	LKS-C 12-1	420	35	60	12
	17 0000 6120	LKS-C 14-1	420	35	60	14
	17 0000 6130	LKS-C 17-1	420	40	60	17
	17 0000 6140	LKS-C 17-2	420	40	100	17
	17 0000 6150	LKS-C 21-1	420	50	60	21
	17 0000 5940	LKS-C 21-2	420	50	80	21
	17 0000 6160	LKS-C 21-3	420	50	120	21
Stries 1,5mm x 60°						
Autoblok-SMW; Autogrip; Bison; Howa; Kitagawa; MMK-Matsumoto; Röhm; Samchully; Schunk; Seoam; Strong; Tonfou	17 0000 6170	LKS-M 12-1	420	35	60	12
	17 0000 6179	LKS-M 14-1	420	35	60	14
	17 0000 6180	LKS-M 14-2	420	40	80	14
	17 0000 6190	LKS-M 14-3	420	60	60	14
	17 0000 5829	LKS-M 16-1	420	40	60	16
	17 0000 5930	LKS-M 16-2	420	40	80	16
	17 0000 6200	LKS-M 16-3	420	60	60	16
	17 0000 5931	LKS-M 16-4	420	40	100	16
	17 0000 6209	LKS-M 21-1	420	50	60	21
	17 0000 6210	LKS-M 21-2	420	50	80	21
	17 0000 6211	LKS-M 21-3	420	50	100	21
	17 0000 6220	LKS-M 21-4	420	60	120	21
	17 0000 6247	LKS-M 25,5-1	420	60	80	25,5
	17 0000 6255	LKS-M 25,5-2	420	60	120	25,5
Stries 3,0mm x 60°						
Autoblok-SMW; Autogrip; Bison; Howa; Kitagawa; MMK-Matsumoto; Röhm; Samchully; Schunk; Seoam; Strong; Tonfou	17 0000 6243	LKS-M 25-1	420	60	80	25
	17 0000 6245	LKS-M 25-2	420	60	120	25



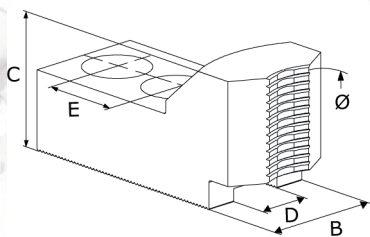
Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous
Mandrins à partir de Ø 160mm									
AL-D 165	5 – 25	179	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 39	179	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
AN-D 165	5 – 19	173	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 34	173	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
AP-D 170	5 – 26	180	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 40	180	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
BB-D 175	5 – 31	184	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 45	184	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
BH-D 165	5 – 22	176	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 37	176	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
BHD-FC 165	5 – 23	177	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 38	177	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
GHD-FC 165; GHDN 165	5 – 22	176	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 37	176	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
HB-D 165	5 – 31	184	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 45	184	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
HFK 160	5 – 30	181	17 0000 7560	GTM-C 165-1	35	40	17	19	M12
	21 – 45	181	17 0000 7570	GTM-C 165-2	35	40	17	19	M12
HFKN-D 165-46	5 – 24	178	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 39	178	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
HFKS 160	5 – 30	181	17 0000 7560	GTM-C 165-1	35	40	17	19	M12
	21 – 45	181	17 0000 7570	GTM-C 165-2	35	40	17	19	M12
KDV 160; KDVG 160	5 – 20	172	17 0000 7560	GTM-C 165-1	35	40	17	19	M12
	14 – 36	172	17 0000 7570	GTM-C 165-2	35	40	17	19	M12
KFMF 160	5 – 31	182	17 0000 7560	GTM-C 165-1	35	40	17	19	M12
	22 – 46	182	17 0000 7570	GTM-C 165-2	35	40	17	19	M12
KFV 160	5 – 22	174	17 0000 7560	GTM-C 165-1	35	40	17	19	M12
	14 – 38	174	17 0000 7570	GTM-C 165-2	35	40	17	19	M12
NT-D 170	5 – 26	180	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 40	180	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
PB-D 165; PBI-D 165	5 – 31	184	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 45	184	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
SP 160-38	5 – 30	183	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 44	183	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
STP 160	5 – 30	183	17 0001 1780	GTM-C 160-3	30	40	14	16,5	M10
	15 – 44	183	17 0001 1790	GTM-C 160-4	30	40	14	16,5	M10
Mandrins à partir de Ø 200mm									
AL-D 210	5 – 31	223	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 50	223	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
AN-D 210	5 – 23	215	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 42	215	17 0001 1810	GTM-C 200-2	35	46	17	23	M12



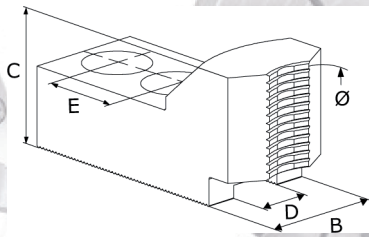
Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrus
Mandrins à partir de Ø 200mm									
AP-D 215	5 – 29	221	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 48	221	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
APL-D 215	5 – 38	230	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 57	230	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
BB-D 210	5 – 25	217	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 44	217	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
BH-D 210; BHD-FC 210	5 – 24	216	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 43	216	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
BP-D 220	5 – 31	223	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 50	223	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
GHD-FC 210; GHDN 210	5 – 31	223	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 50	223	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
HB-D 210	5 – 33	225	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	18 – 52	225	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
HFK 200	5 – 27	219	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 46	219	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
HFKN-D 210-52	5 – 37	229	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 56	229	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
HFKS 200	5 – 27	219	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 46	219	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
KDV 200; KDVG 200	5 – 18	210	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 38	210	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
KFMF 200	5 – 23	215	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 42	215	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
KFV 200	5 – 20	212	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 40	212	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
NT-D 215	5 – 29	221	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 48	221	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
PB-D 210; PBI-D 210	5 – 33	225	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	17 – 52	225	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
SP 240-78	16 – 55	247	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	37 – 74	247	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
STP 240	19 – 58	250	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	40 – 77	250	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
Mandrins à partir de Ø 250mm									
AL-D 250	5 – 42	273	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	18 – 66	273	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
AN-D 250	5 – 32	263	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	18 – 56	263	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
AP-D 260	5 – 73	264	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	18 – 91	264	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
APL-D 260	5 – 83	274	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 101	274	17 0001 1810	GTM-C 200-2	35	46	17	23	M12



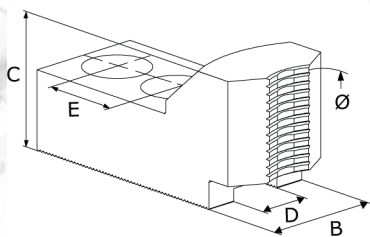
Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrus
Mandrins à partir de Ø 250mm									
BB-D 250	5 – 32	263	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	26 – 56	263	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
BH-D 250; BHD-FC 250	5 – 31	262	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	18 – 55	262	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
BP-D 260	5 – 69	260	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	24 – 87	260	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
GHD-FC 250; GHDN 250	5 – 36	267	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	18 – 60	267	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
HB-D 250	5 – 44	275	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	29 – 68	275	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
HFK 250	5 – 36	267	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	18 – 60	267	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
HFKN-D 260-72	5 – 47	278	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	18 – 70	278	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
HFKS 250	5 – 36	267	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	18 – 60	267	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
KDV 250; KDVG 250	5 – 68	259	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	14 – 86	259	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
KFMF 250	5 – 39	270	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	18 – 63	270	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
KFV 250	5 – 33	264	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	18 – 57	264	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
NT-D 260	5 – 73	264	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	18 – 91	264	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
NTL-D 260	5 – 83	274	17 0001 1800	GTM-C 200-1	35	46	17	23	M12
	20 – 101	274	17 0001 1810	GTM-C 200-2	35	46	17	23	M12
PB-D 250; PBI-D 250	5 – 44	275	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	28 – 68	275	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
SP 280-92; STP 280	22 – 68	299	17 0001 1820	GTM-C 250-1	45	50	21	30	M16
	48 – 91	299	17 0001 1830	GTM-C 250-2	45	50	21	30	M16
Mandrins à partir de Ø 315mm									
AL-D 315	5 – 53	342	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 72	342	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
AN-D 315	5 – 41	330	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 60	330	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
AP-D 315	5 – 40	329	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 59	329	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
APL-D 315	5 – 52	341	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 71	341	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
BB-D 315	5 – 40	329	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	19 – 59	329	17 0001 1850	GTM-C 315-2	45	50	21	30	M16



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous
Mandrins à partir de Ø 315mm									
BH-D 315; BHD-FC 315	5 – 41	330	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 60	330	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
BP-D 320	5 – 43	332	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 62	332	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
HB-D 315	5 – 49	338	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 68	338	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
HFK 315	5 – 50	339	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 69	339	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
HFKN-D 315-91	5 – 51	340	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 70	340	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
HFKS 315	5 – 50	339	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 69	339	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
KDV 315; KDVG 315	5 – 44	333	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 63	333	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
KFMF 315	5 – 50	339	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 69	339	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
KFV 315	5 – 46	335	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 65	335	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
NT-D 315	5 – 40	329	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 59	329	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
NTL-D 315	5 – 52	342	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 71	342	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
PB-D 315; PBI-D 315	5 – 49	338	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 68	338	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
SP 350-115	5 – 81	370	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 99	370	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
SP 350-115 ES	5 – 91	380	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	24 – 109	380	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
SP-L 350-90	9 – 135	424	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	30-152	424	17 0001 1850	GTM-C 315-2	45	50	21	30	M16
Mandrins à partir de Ø 400mm									
KDV 400; KDVG 400	5 – 128	417	17 0001 1840	GTM-C 315-1	45	50	21	30	M16
	18 – 145	417	17 0001 1850	GTM-C 315-2	45	50	21	30	M16



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrus
Mandrins à partir de Ø 165mm									
AL-M 165	5 – 32	187	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 42	187	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
AN-M 165	5 – 26	181	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 36	181	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
AP-M 170	5 – 33	188	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 43	188	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
BB-M 175	5 – 38	193	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	16 – 48	193	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
BH-M 165	5 – 29	184	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 39	184	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
BHM-FC 165	5 – 30	185	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 40	185	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
HFKN-M 165-46	5 – 24	180	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 35	180	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
NT-M 170	5 – 33	188	17 0001 1860	GTM-M 165-1	30	40	12	20	M10
	15 – 43	188	17 0001 1870	GTM-M 165-2	30	40	12	20	M10
Mandrins à partir de Ø 210mm									
AL-M 210	5 – 38	232	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 52	232	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
AN-M 210	5 – 30	224	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 45	224	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
AP-M 215	5 – 36	230	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 50	230	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
APL-M 215	5 – 45	239	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 59	239	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
BB-M 210	5 – 32	226	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 47	226	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
BH-M 210; BHM-FC 210	5 – 31	225	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 46	225	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
BP-M 220	5 – 38	232	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 52	232	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
HFKN-M 210-52	5 – 40	234	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 54	234	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
NT-M 215	5 – 36	230	17 0001 1880	GTM-M 210-1	35	46	14	25	M12
	15 – 50	230	17 0001 1890	GTM-M 210-2	35	46	14	25	M12
Mandrins à partir de Ø 250mm									
AL-M 250	5 – 40	268	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 64	268	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
AN-M 250	5 – 30	258	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 55	258	17 0001 1910	GTM-M 250-2	40	50	16	30	M12

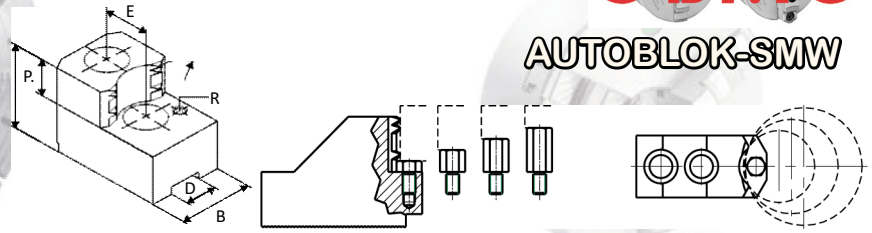


Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous
Mandrins à partir de Ø 210mm									
AP-M 260	5 – 40	268	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 64	268	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
APL-M 260	5 – 50	278	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 74	278	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
BB-M 250	5 – 30	258	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	24 – 55	258	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
BH-M 250; BHM-FC 250	5 – 29	257	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 54	257	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
BP-M 260	5 – 36	264	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 60	264	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
HFKN-M 260-72	5 – 45	273	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 69	273	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
NT-M 260	5 – 40	268	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 64	268	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
NTL-M 260	5 – 50	278	17 0001 1900	GTM-M 250-1	40	50	16	30	M12
	18 – 74	278	17 0001 1910	GTM-M 250-2	40	50	16	30	M12
Mandrins à partir de Ø 315mm									
AL-M 315	5 – 69	334	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 88	334	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
AN-M 315	5 – 57	322	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 76	322	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
AP-M 315	5 – 56	321	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 75	321	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
APL-M 315	5 – 68	333	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 87	333	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
BB-M 315	15 – 56	321	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	36 – 75	321	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
BH-M 315; BHM-FC 315	5 – 57	322	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 76	322	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
BP-M 320	5 – 59	324	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 78	324	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
HFKN-M 315-91	5 – 68	333	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 87	333	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
NT-M 315	5 – 56	321	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 75	321	17 0001 1930	GTM-M 300-4	48	50	21	30	M16
NTL-M 315	5 – 68	334	17 0001 1920	GTM-M 300-3	48	50	21	30	M16
	18 – 87	334	17 0001 1930	GTM-M 300-4	48	50	21	30	M16

Mors durs à crocs extérieurs

Stries 1/16" x 90°

Acier

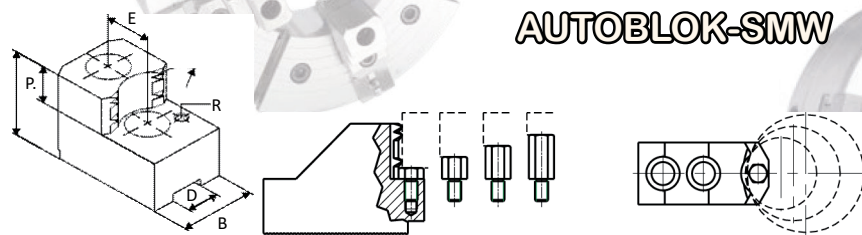


Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 160mm											
AL-D 165	29 – 56	180	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	48 – 79	181	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	74 – 106	182	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	100 – 132	190	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
AN-D 165	29 – 51	174	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	49 – 73	175	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	75 – 100	176	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	100 – 126	184	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
AP-D 170	29 – 57	181	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	50 – 80	181	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	76 – 107	183	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	101 – 133	191	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
BB-D 175	36 – 62	185	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	59 – 85	186	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	85 – 112	188	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	111 – 138	196	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
BH-D 165	29 – 53	177	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	50 – 76	178	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	76 – 103	179	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	102 – 129	187	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
BHD-FC 165	29 – 54	178	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	49 – 77	179	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	76 – 104	180	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	101 – 130	188	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
GHD-FC 165; GHDN 165	30 – 53	177	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	52 – 76	178	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	78 – 103	179	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	103 – 129	187	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
HB-D 165	38 – 62	185	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	61 – 85	186	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	87 – 112	188	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	113 – 138	196	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
HFK 160	37 – 62	178	17 0000 7660	GTZ-C 165-1	35	50	17	19	M12	20	M5
	56 – 81	181	17 0000 7670	GTZ-C 165-2	35	50	17	19	M12	20	M5
	78 – 103	181	17 0000 7680	GTZ-C 165-3	35	50	17	19	M12	20	M5
	96 – 122	184	17 0000 7690	GTZ-C 165-4	40	50	17	19	M12	20	M5
	118 – 144	204	17 0000 7700	GTZ-C 165-5	40	50	17	19	M12	20	M5
HFKN-D 165-46	29 – 55	179	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	50 – 78	180	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	76 – 105	181	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	102 – 131	189	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6

Mors durs à crocs extérieurs

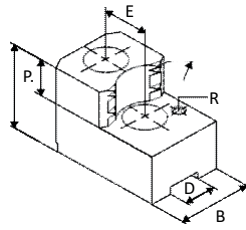
Stries 1/16" x 90°

Acier



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 160mm											
HFKS 160	37 – 62	178	17 0000 7660	GTZ-C 165-1	35	50	17	19	M12	20	M5
	56 – 81	181	17 0000 7670	GTZ-C 165-2	35	50	17	19	M12	20	M5
	78 – 103	181	17 0000 7680	GTZ-C 165-3	35	50	17	19	M12	20	M5
	96 – 122	184	17 0000 7690	GTZ-C 165-4	40	50	17	19	M12	20	M5
	118 – 144	204	17 0000 7700	GTZ-C 165-5	40	50	17	19	M12	20	M5
KDV 160; KDVG 160	27 – 52	169	17 0000 7660	GTZ-C 165-1	35	50	17	19	M12	20	M5
	45 – 71	171	17 0000 7670	GTZ-C 165-2	35	50	17	19	M12	20	M5
	67 – 94	171	17 0000 7680	GTZ-C 165-3	35	50	17	19	M12	20	M5
	85 – 112	175	17 0000 7690	GTZ-C 165-4	40	50	17	19	M12	20	M5
	107 – 134	194	17 0000 7700	GTZ-C 165-5	40	50	17	19	M12	20	M5
KFMF 160	38 – 63	179	17 0000 7660	GTZ-C 165-1	35	50	17	19	M12	20	M5
	57 – 82	182	17 0000 7670	GTZ-C 165-2	35	50	17	19	M12	20	M5
	79 – 104	182	17 0000 7680	GTZ-C 165-3	35	50	17	19	M12	20	M5
	97 – 123	185	17 0000 7690	GTZ-C 165-4	40	50	17	19	M12	20	M5
	119 – 145	205	17 0000 7700	GTZ-C 165-5	40	50	17	19	M12	20	M5
KFV 160	27 – 54	171	17 0000 7660	GTZ-C 165-1	35	50	17	19	M12	20	M5
	44 – 73	173	17 0000 7670	GTZ-C 165-2	35	50	17	19	M12	20	M5
	66 – 96	173	17 0000 7680	GTZ-C 165-3	35	50	17	19	M12	20	M5
	84 – 114	177	17 0000 7690	GTZ-C 165-4	40	50	17	19	M12	20	M5
	106 – 136	196	17 0000 7700	GTZ-C 165-5	40	50	17	19	M12	20	M5
NT-D 170	29 – 57	181	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	50 – 80	181	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	76 – 107	183	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	101 – 133	191	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
PB-D 165; PBI-D 165	37 – 62	185	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	60 – 85	186	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	86 – 112	188	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	112 – 138	196	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
SP 160-38	38 – 61	184	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	61 – 84	185	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	87 – 111	187	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	113 – 137	195	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
STP 160	29 – 61	184	17 0000 7620	GTZ-C 160-4	30	47	14	20	M10	20	M6
	46 – 84	185	17 0000 7630	GTZ-C 160-5	30	47	14	20	M10	20	M6
	72 – 111	187	17 0000 7640	GTZ-C 160-6	30	47	14	20	M10	20	M6
	97 – 137	195	17 0000 7650	GTZ-C 160-7	35	47	14	20	M10	20	M6
Mandrins à partir de Ø 200mm											
AL-D 210	29 – 73	226	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	55 – 100	226	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	84 – 130	227	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	111 – 157	229	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	141 – 187	248	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6

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Mors durs à crocs extérieurs

Stries 1/16" x 90°

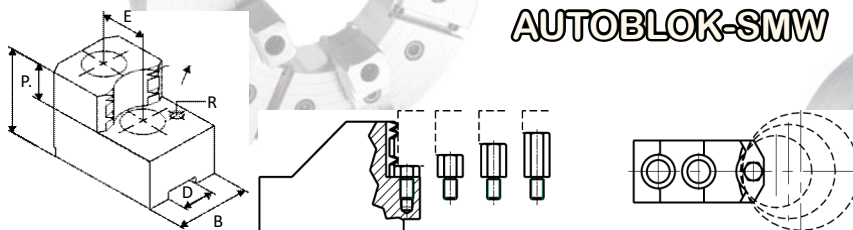
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
AN-D 210	29 – 65	218	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	55 – 92	218	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	84 – 122	219	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	111 – 149	221	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	141 – 179	240	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
AP-D 215	29 – 71	224	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	55 – 98	224	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	84 – 128	225	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	111 – 155	227	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	141 – 185	246	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
APL-D 215	29 – 79	233	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	56 – 107	233	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	85 – 137	233	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	112 – 164	235	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	142 – 194	255	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
BB-D 210	33 – 67	220	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	60 – 94	220	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	89 – 124	221	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	116 – 151	223	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	146 – 181	242	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
BH-D 210; BHD-FC 210	29 – 66	219	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	46 – 93	219	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	75 – 123	220	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	101 – 150	222	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	131 – 180	241	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
BP-D 220	29 – 73	226	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	47 – 100	226	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	75 – 130	227	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	102 – 157	229	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	132 – 187	248	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
GHD-FC 210; GHDN 210	31 – 73	226	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	58 – 100	226	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	87 – 130	227	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	114 – 157	229	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	144 – 187	248	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
HB-D 210	38 – 75	228	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	65 – 102	228	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	95 – 132	229	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	122 – 159	230	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	152 – 189	250	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6

Mors durs à crocs extérieurs

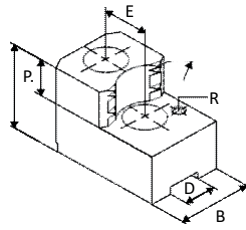
Stries 1/16" x 90°

Acier



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
HFK 200	35 – 69	222	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	62 – 96	222	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	91 – 126	223	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	118 – 153	225	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	148 – 183	244	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
HFKN-D 210-52	29 – 78	232	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	47 – 106	232	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	76 – 136	232	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	102 – 163	234	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	132 – 193	254	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
HFKS 200	35 – 69	222	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	62 – 96	222	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	91 – 126	223	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	118 – 153	225	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	148 – 183	244	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
KDV 200; KDVG 200	29 – 60	213	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	48 – 88	213	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	77 – 117	214	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	103 – 144	216	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	133 – 174	235	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFMF 200	29 – 65	218	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	53 – 92	218	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	82 – 122	219	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	109 – 149	221	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	139 – 179	240	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
KFV 200	29 – 62	215	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	50 – 89	215	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	78 – 119	216	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	105 – 146	218	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	135 – 176	237	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
NT-D 215	29 – 71	224	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	55 – 98	224	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	84 – 128	225	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	111 – 155	227	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	141 – 185	246	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
PB-D 210; PBI-D 210	37 – 75	228	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	65 – 102	228	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	94 – 132	229	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	121 – 159	230	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	151 – 189	250	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
SP 240-78	56 – 97	250	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	84 – 125	250	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	114 – 154	251	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	141 – 181	253	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	171 – 212	273	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6

AUTOBLOK-SMW



Mors durs à crocs extérieurs

Stries 1/16" x 90°

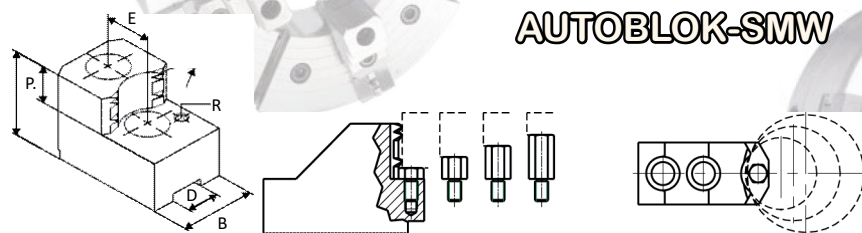
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
STP 240	59 – 100	253	17 0000 8220	GTZ-C 200-1	35	50	17	22	M12	25	M6
	87 – 127	253	17 0000 8230	GTZ-C 200-2	35	50	17	22	M12	25	M6
	116 – 157	254	17 0000 8240	GTZ-C 200-3	40	50	17	22	M12	25	M6
	144 – 184	256	17 0000 8250	GTZ-C 200-4	40	50	17	22	M12	25	M6
	174 – 215	276	17 0000 8260	GTZ-C 200-5	40	50	17	22	M12	25	M6
Mandrins à partir de Ø 250mm											
AL-D 250	47 – 101	271	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 – 141	271	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	136 – 190	275	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 – 237	309	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
AN-D 250	47 – 91	261	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 – 131	261	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	136 – 181	265	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 – 228	300	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
AP-D 260	35 – 109	267	17 0000 7710	GTZ-C 250-5	35	55	17	22	M12	25	M6
	65 – 140	267	17 0000 7720	GTZ-C 250-6	35	55	17	22	M12	25	M6
	122 – 199	269	17 0000 7730	GTZ-C 250-7	40	55	17	22	M12	25	M6
	157 – 234	299	17 0000 7740	GTZ-C 250-8	40	55	17	22	M12	25	M6
APL-D 260	33 – 119	277	17 0000 7710	GTZ-C 250-5	35	55	17	22	M12	25	M6
	60 – 150	277	17 0000 7720	GTZ-C 250-6	35	55	17	22	M12	25	M6
	117 – 209	279	17 0000 7730	GTZ-C 250-7	40	55	17	22	M12	25	M6
	152 – 244	309	17 0000 7740	GTZ-C 250-8	40	55	17	22	M12	25	M6
BB-D 250	56 – 91	261	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	96 – 131	261	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	145 – 181	265	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	192 – 228	300	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
BH-D 250; BHD-FC 250	46 – 90	260	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	85 – 130	260	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	135 – 180	264	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	181 – 227	299	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
BP-D 260	40 – 105	263	17 0000 7710	GTZ-C 250-5	35	55	17	22	M12	25	M6
	70 – 136	263	17 0000 7720	GTZ-C 250-6	35	55	17	22	M12	25	M6
	128 – 195	265	17 0000 7730	GTZ-C 250-7	40	55	17	22	M12	25	M6
	163 – 230	295	17 0000 7740	GTZ-C 250-8	40	55	17	22	M12	25	M6
GHD-FC 250; GHDN 250	47 – 95	265	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 – 135	265	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	136 – 185	269	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 – 232	303	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
HB-D 250	59 – 103	273	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	99 – 143	273	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	148 – 192	277	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	195 – 239	311	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8

Mors durs à crocs extérieurs

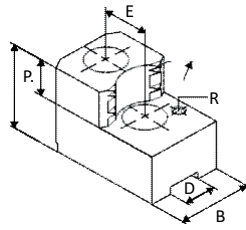
Stries 1/16" x 90°

Acier



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 250mm											
HFK 250	47 – 95	265	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 – 135	265	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	136 – 185	269	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 – 232	303	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
HFKN-D 260-72	45 – 106	276	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	84 – 146	276	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	134 – 195	280	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	180 – 242	314	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
HFKS 250	47 – 95	265	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	86 – 135	265	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	136 – 185	269	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	182 – 232	303	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
KDV 250; KDBG 250	33 – 104	262	17 0000 7710	GTZ-C 250-5	35	55	17	22	M12	25	M6
	56 – 135	262	17 0000 7720	GTZ-C 250-6	35	55	17	22	M12	25	M6
	112 – 194	264	17 0000 7730	GTZ-C 250-7	40	55	17	22	M12	25	M6
	147 – 229	294	17 0000 7740	GTZ-C 250-8	40	55	17	22	M12	25	M6
KFMF 250	43 – 98	268	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	82 – 138	268	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	131 – 187	272	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	177 – 235	306	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
KFV 250	42 – 92	262	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	81 – 132	262	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	130 – 182	266	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	176 – 229	301	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
NT-D 260	35 – 109	267	17 0000 7710	GTZ-C 250-5	35	55	17	22	M12	25	M6
	65 – 140	267	17 0000 7720	GTZ-C 250-6	35	55	17	22	M12	25	M6
	122 – 199	269	17 0000 7730	GTZ-C 250-7	40	55	17	22	M12	25	M6
	157 – 234	299	17 0000 7740	GTZ-C 250-8	40	55	17	22	M12	25	M6
NTL-D 260	36 – 119	277	17 0000 7710	GTZ-C 250-5	35	55	17	22	M12	25	M6
	67 – 150	277	17 0000 7720	GTZ-C 250-6	35	55	17	22	M12	25	M6
	124 – 209	279	17 0000 7730	GTZ-C 250-7	40	55	17	22	M12	25	M6
	159 – 244	309	17 0000 7740	GTZ-C 250-8	40	55	17	22	M12	25	M6
PB-D 250; PBI-D 250	58 – 103	273	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	98 – 143	273	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	147 – 192	277	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	194 – 239	311	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8
SP 280-92; STP 280	77 – 127	297	17 0000 8270	GTZ-C 250-1	50	58	21	28	M16	25	M8
	117 – 166	297	17 0000 8280	GTZ-C 250-2	50	58	21	28	M16	25	M8
	167 – 216	301	17 0000 8290	GTZ-C 250-3	50	58	21	28	M16	25	M8
	214 – 263	335	17 0000 8300	GTZ-C 250-4	50	58	21	28	M16	25	M8

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Mors durs à crocs extérieurs

Stries 1/16" x 90°

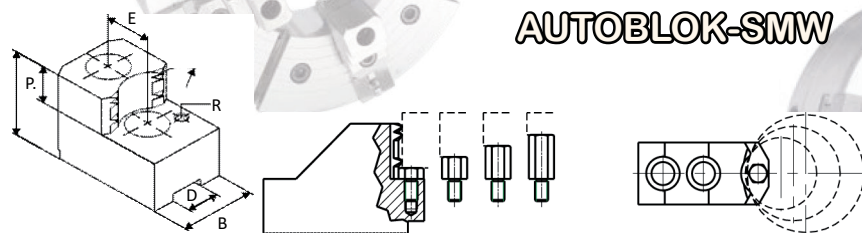
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 315mm											
AL-D 315	44 – 139	341	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	96 – 197	342	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	160 – 263	342	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	224 – 327	402	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
AN-D 315	44 – 128	329	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	95 – 185	330	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	159 – 251	330	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	223 – 315	390	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
AP-D 315	44 – 127	328	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	94 – 184	329	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	158 – 250	329	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	222 – 314	389	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
APL-D 315	44 – 138	340	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	87 – 196	341	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	151 – 262	341	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	215 – 326	401	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
BB-D 315	81 – 127	328	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	139 – 184	329	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	204 – 250	329	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	268 – 314	389	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
BH-D 315; BHD-FC 315	51 – 128	329	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	109 – 185	330	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	174 – 251	330	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	238 – 315	390	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
BP-D 320	51 – 130	331	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	109 – 187	332	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	174 – 253	332	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	238 – 317	392	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
HB-D 315	44 – 135	337	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	98 – 193	338	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	163 – 259	338	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	227 – 323	398	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
HFK 315	44 – 136	338	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	100 – 194	339	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	165 – 260	339	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	229 – 324	399	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
HFKN-D 315-91	59 – 137	339	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	117 – 195	340	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	181 – 261	340	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	246 – 325	400	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8

Mors durs à crocs extérieurs

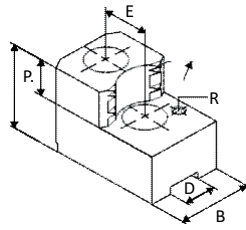
Stries 1/16" x 90°

Acier



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 315mm											
HFKS 315	44 – 136	338	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	100 – 194	339	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	165 – 260	339	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	229 – 324	399	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
KDV 315; KDBG 315	44 – 130	332	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	72 – 188	333	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	135 – 254	333	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	199 – 318	393	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFMF 315	44 – 136	338	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	102 – 194	339	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	167 – 260	339	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	231 – 324	399	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
KFV 315	44 – 132	334	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	87 – 190	335	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	151 – 256	335	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	215 – 320	395	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
NT-D 315	44 – 127	328	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	94 – 184	329	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	158 – 250	329	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	222 – 314	389	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
NTL-D 315	44 – 139	341	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	89 – 196	342	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	153 – 262	342	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	217 – 326	401	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
PB-D 315; PBI-D 315	45 – 135	337	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	103 – 193	338	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	167 – 259	338	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	231 – 323	398	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
SP 350-115	76 – 167	369	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	134 – 224	370	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	199 – 291	370	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	263 – 354	429	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
SP 350-115 ES	86 – 177	379	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	144 – 234	380	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	209 – 300	380	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	273 – 364	439	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
SP-L 350-90	92 – 221	423	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	150 – 278	424	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	215 – 344	424	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	279 – 408	483	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8

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Mors durs à crocs extérieurs

Stries 1/16" x 90°

Stries 3/32" x 90°

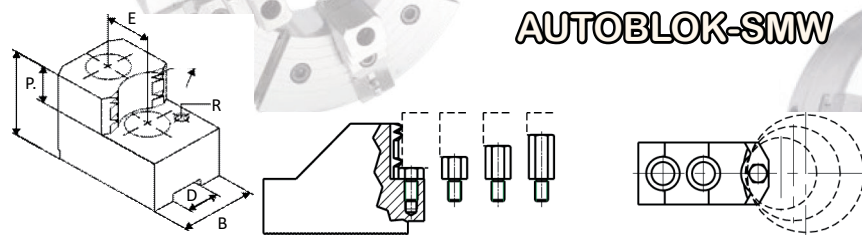
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 400mm stries 1/16" x 90°											
KDV 400; KDVG 400	44 – 214	416	17 0000 8310	GTZ-C 315-1	50	58	21	28	M16	25	M8
	71 – 271	417	17 0000 8320	GTZ-C 315-2	50	58	21	28	M16	25	M8
	133 – 337	417	17 0000 8330	GTZ-C 315-3	50	58	21	28	M16	25	M8
	197 – 401	476	17 0000 8340	GTZ-C 315-4	55	58	21	28	M16	25	M8
Mandrins à partir de Ø 400mm stries 3/32" x 90°											
AL-D 400	63 – 152	441	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	150 – 252	441	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	233 – 336	458	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	304 – 407	501	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
AN-D 400	76 – 165	429	17 0000 7760	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	150 – 240	429	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	233 – 324	446	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	304 – 395	489	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
AP-D 400	59 – 153	417	17 0000 7760	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	133 – 228	417	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	215 – 313	434	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	286 – 383	477	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
APL-D 400	63 – 143	431	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	126 – 242	431	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	209 – 326	448	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	279 – 397	491	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 400-140	81 – 182	471	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	179 – 282	471	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	263 – 366	488	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	334 – 437	531	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 470-191	137 – 239	529	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	236 – 339	529	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	321 – 423	546	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	392 – 495	589	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N ES 400-140	95 – 206	495	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	193 – 306	495	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	277 – 390	512	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	348 – 461	555	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N ES 470-191	119 – 221	511	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	218 – 321	511	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	303 – 406	528	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	374 – 477	571	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 400	75 – 155	419	17 0000 7760	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	149 – 230	419	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	232 – 315	436	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 385	479	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8

Mors durs à crocs extérieurs

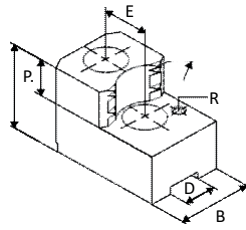
Stries 3/32" x 90°

Acier



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 400mm stries 3/32" x 90°											
BH-D 450	63 – 190	479	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 290	479	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	232 – 374	496	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 445	539	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BHD-FC 400	75 – 155	419	17 0000 7760	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	149 – 230	419	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	232 – 315	436	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 385	479	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFK 400	74 – 175	439	17 0000 7760	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	148 – 250	439	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	231 – 334	456	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	302 – 405	499	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFKN-D 400-128	63 – 150	438	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	144 – 249	438	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	227 – 333	455	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	298 – 404	498	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFKS 400	74 – 175	439	17 0000 7760	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	148 – 250	439	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	231 – 334	456	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	302 – 405	499	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KFV 400	54 – 166	430	17 0000 7760	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	126 – 241	430	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	208 – 325	447	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	279 – 396	490	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
NT-D 400	59 – 153	417	17 0000 7760	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	133 – 228	417	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	215 – 313	434	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	286 – 383	477	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
NTL-D 400	55 – 167	431	17 0000 7760	GTZ-C 400-2	60	78	25,5	35	M20	33	M8
	129 – 242	431	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	211 – 326	448	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	282 – 397	491	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
Mandrins à partir de Ø 500mm stries 3/32" x 90°											
APL-D 500	63 – 251	541	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 351	541	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	233 – 435	558	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 507	601	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-AZ-ES 590-220	185 – 317	607	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	285 – 417	607	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	370 – 501	624	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	440 – 572	667	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
	520 – 652	752	17 0000 7800	GTZ-C 400-6	60	78	25,5	35	M20	33	M8

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Mors durs à crocs extérieurs

Stries 3/32" x 90°

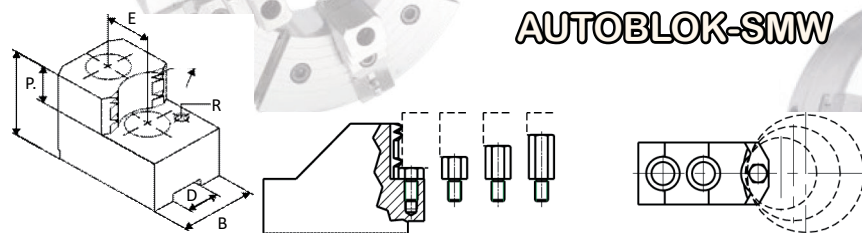
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 500mm stries 3/32" x 90°											
BB-N 500-205	161 – 301	591	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	261 – 401	591	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	346 – 485	608	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	416 – 556	651	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 500-230	181 – 321	611	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	281 – 421	611	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	366 – 505	628	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	436 – 576	671	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N ES 500-205	185 – 329	619	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	285 – 429	619	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	370 – 513	636	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	441 – 585	679	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N ES 500-230	209 – 327	617	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	309 – 427	617	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	394 – 511	634	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	464 – 583	677	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N-EXL2G 510-191	175 – 279	569	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	275 – 379	569	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	360 – 463	586	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	430 – 535	629	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 500	112 – 254	544	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	211 – 354	544	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	295 – 438	561	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	366 – 510	604	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BHD-FC 500	87 – 249	539	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	185 – 349	539	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	269 – 433	556	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	340 – 505	599	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFK 500	92 – 244	534	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	190 – 344	534	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	274 – 428	551	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	345 – 500	594	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFKN-D 500-155	73 – 248	538	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	170 – 348	538	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	254 – 432	555	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	325 – 504	598	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
HFKS 500	92 – 244	534	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	190 – 344	534	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	274 – 428	551	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	345 – 500	594	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8

Mors durs à crocs extérieurs

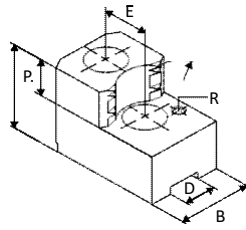
Stries 3/32" x 90°

Acier



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 500mm stries 3/32" x 90°											
IL-D 500	87 – 279	569	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	185 – 379	569	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	269 – 463	586	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	340 – 535	629	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
IN-D 500	92 – 275	565	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	190 – 375	565	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	274 – 459	582	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	345 – 531	625	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KDV 500; KDBG 500	63 – 236	526	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	103 – 336	526	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	185 – 421	543	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	255 – 492	586	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
KFV 500	63 – 240	530	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	126 – 340	530	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	208 – 424	547	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	279 – 496	590	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
Mandrins à partir de Ø 600mm stries 3/32" x 90°											
APL-D 630	63 – 380	671	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 481	671	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	233 – 565	688	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 636	731	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N 600-275	223 – 348	638	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	323 – 448	638	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	409 – 532	655	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	479 – 603	698	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N ES 600-275	254 – 349	639	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	354 – 449	639	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	440 – 533	656	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	511 – 604	699	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BB-N-EXL2G 660-280	288 – 438	729	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	388 – 539	729	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	473 – 623	746	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	544 – 694	789	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 630	206 – 367	657	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	306 – 467	657	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	391 – 551	674	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	461 – 622	717	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BHD-FC 630	129 – 369	659	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	228 – 469	659	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	313 – 553	676	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	384 – 624	719	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8

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Mors durs à crocs extérieurs

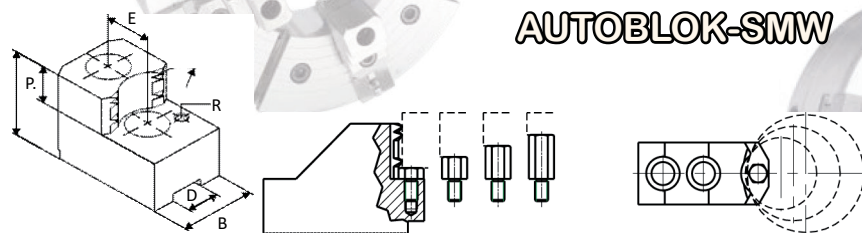
Stries 3/32" x 90°
Stries 1,5mm x 60°
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 600mm stries 3/32" x 90°											
IL-D 630	85 – 390	681	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	183 – 491	681	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	267 – 575	698	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	338 – 646	741	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
IN-D 630	89 – 384	675	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	187 – 485	675	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	271 – 569	692	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	342 – 640	735	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
Mandrins à partir de Ø 800mm stries 3/32" x 90°											
APL-D 800	63 – 550	841	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	149 – 650	841	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	233 – 734	858	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	303 – 806	901	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
BH-D 800	206 – 536	827	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	306 – 636	827	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	391 – 720	844	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	461 – 792	887	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
IL-D 800	85 – 564	855	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	183 – 664	855	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	267 – 748	872	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	338 – 820	915	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
IN-D 800	89 – 558	849	17 0000 7750	GTZ-C 400-1	60	78	25,5	35	M20	33	M8
	187 – 658	849	17 0000 7770	GTZ-C 400-3	60	78	25,5	35	M20	33	M8
	271 – 742	866	17 0000 7780	GTZ-C 400-4	60	78	25,5	35	M20	33	M8
	342 – 814	909	17 0000 7790	GTZ-C 400-5	60	78	25,5	35	M20	33	M8
Mandrins à partir de Ø 165mm stries 1,5mm x 60°											
AL-M 165	28 – 65	189	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	42 – 80	189	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	58 – 97	190	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	72 – 110	190	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	88 – 127	189	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	114 – 153	214	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
AN-M 165	28 – 59	183	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	43 – 75	183	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	59 – 91	184	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	73 – 105	184	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	89 – 121	183	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	114 – 147	209	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6

Mors durs à crocs extérieurs

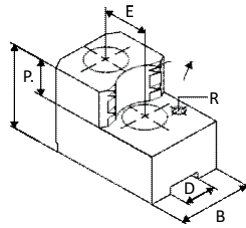
Stries 1,5mm x 60°

Acier



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrus	P	R
Mandrins à partir de Ø 165mm stries 1,5mm x 60°											
AP-M 170	29 – 66	190	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	44 – 81	190	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	60 – 98	191	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	74 – 111	191	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	90 – 128	190	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	115 – 154	215	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
BB-M 175	38 – 70	195	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	53 – 86	195	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	69 – 103	196	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	83 – 116	196	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	99 – 132	195	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	125 – 159	220	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
BH-M 165	30 – 62	186	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	44 – 78	186	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	60 – 94	187	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	74 – 107	187	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	90 – 124	186	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	116 – 150	211	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
BHM-FC 165	29 – 63	187	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	43 – 79	187	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	59 – 95	188	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	73 – 108	188	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	89 – 125	187	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	115 – 151	212	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
HFKN-M 165-46	30 – 57	181	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	45 – 73	181	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	61 – 89	182	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	75 – 103	182	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	91 – 119	181	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	116 – 145	207	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6
NT-M 170	29 – 66	190	17 0001 1960	GTZ-M 165-1	30	47	12	20	M10	20	M6
	44 – 81	190	17 0001 1970	GTZ-M 165-2	30	47	12	20	M10	20	M6
	60 – 98	191	17 0001 1980	GTZ-M 165-3	35	47	12	20	M10	20	M6
	74 – 111	191	17 0001 1990	GTZ-M 165-4	35	47	12	20	M10	20	M6
	90 – 128	190	17 0001 2000	GTZ-M 165-5	40	47	12	20	M10	20	M6
	115 – 154	215	17 0001 2010	GTZ-M 165-6	40	47	12	20	M10	20	M6

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Mors durs à crocs extérieurs

Stries 1,5mm x 60°

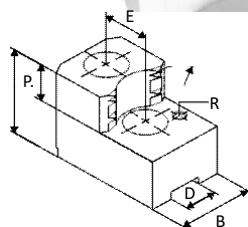
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 210mm stries 1,5mm x 60°											
AL-M 210	35 – 78	228	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 – 106	228	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	93 – 136	229	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	123 – 167	230	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	144 – 189	248	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 – 226	286	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
AN-M 210	36 – 70	220	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 – 98	220	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	93 – 128	221	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	123 – 159	223	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	145 – 181	240	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 – 218	278	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
AP-M 215	35 – 76	226	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 – 104	226	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	92 – 134	227	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	122 – 165	229	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	144 – 187	246	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 – 224	284	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
APL-M 215	36 – 85	235	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	63 – 113	235	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	94 – 143	235	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	124 – 174	237	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	145 – 196	255	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	182 – 233	293	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
BB-M 210	40 – 72	222	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	67 – 100	222	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	97 – 130	223	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	128 – 161	225	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	149 – 183	242	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	186 – 220	280	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
BH-M 210; BHM-FC 210	30 – 71	221	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	53 – 99	221	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	83 – 129	222	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	113 – 160	224	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	135 – 182	241	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	171 – 219	279	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
BP-M 220	30 – 78	228	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	53 – 106	228	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	84 – 136	229	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	113 – 167	230	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	135 – 189	248	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	172 – 226	286	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6

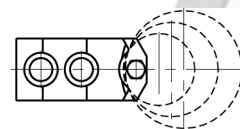
Mors durs à crocs extérieurs

Stries 1,5mm x 60°

Acier

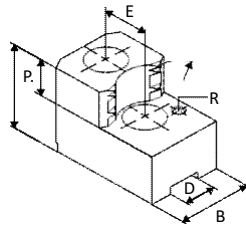


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Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 210mm stries 1,5mm x 60°											
HFKN-M 210-52	30 – 80	230	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	54 – 108	230	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	84 – 138	230	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	114 – 169	232	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	136 – 191	250	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	172 – 228	288	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
NT-M 215	35 – 76	226	17 0001 2020	GTZ-M 210-1	35	53	14	25	M12	25	M6
	62 – 104	226	17 0001 2030	GTZ-M 210-2	35	53	14	25	M12	25	M6
	92 – 134	227	17 0001 2040	GTZ-M 210-3	40	53	14	25	M12	25	M6
	122 – 165	229	17 0001 2050	GTZ-M 210-4	40	53	14	25	M12	25	M6
	144 – 187	246	17 0001 2060	GTZ-M 210-5	40	53	14	25	M12	25	M6
	181 – 224	284	17 0001 2070	GTZ-M 210-6	40	53	14	25	M12	25	M6
Mandrins à partir de Ø 250mm stries 1,5mm x 60°											
AL-M 250	42 – 92	270	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	83 – 134	270	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	127 – 178	274	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	172 – 224	289	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	207 – 259	321	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
AN-M 250	42 – 82	260	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	83 – 124	260	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	127 – 168	264	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	172 – 214	279	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	207 – 249	311	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
AP-M 260	36 – 92	270	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	74 – 134	270	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	117 – 178	274	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	162 – 224	289	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	197 – 259	321	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
APL-M 260	36 – 102	280	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	69 – 144	280	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	112 – 188	284	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	157 – 234	299	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	192 – 269	331	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
BB-M 250	51 – 82	260	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	93 – 124	260	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	137 – 168	264	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	182 – 214	279	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	217 – 249	311	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
BH-M 250; BHM-FC 250	41 – 81	259	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	82 – 123	259	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	126 – 167	263	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	171 – 213	278	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	206 – 248	310	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6

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Mors durs à crocs extérieurs

Stries 1,5mm x 60°

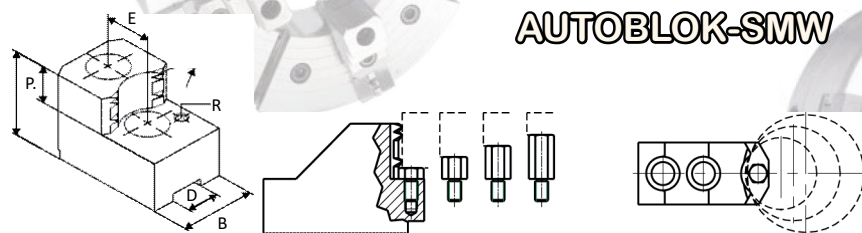
Acier

Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 250mm stries 1,5mm x 60°											
BP-M 260	39 – 88	266	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	79 – 130	266	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	123 – 174	270	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	168 – 220	285	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	203 – 255	317	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
HFKN-M 260-72	41 – 97	275	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	82 – 139	275	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	126 – 183	279	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	171 – 229	294	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	206 – 264	326	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
NT-M 260	36 – 92	270	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	74 – 134	270	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	117 – 178	274	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	162 – 224	289	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	197 – 259	321	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
NTL-M 260	36 – 102	280	17 0001 2080	GTZ-M 250-1	40	58	16	30	M12	25	M6
	76 – 144	280	17 0001 2090	GTZ-M 250-2	40	58	16	30	M12	25	M6
	119 – 188	284	17 0001 2100	GTZ-M 250-3	40	58	16	30	M12	25	M6
	164 – 234	299	17 0001 2110	GTZ-M 250-4	40	58	16	30	M12	25	M6
	199 – 269	331	17 0001 2120	GTZ-M 250-5	40	58	16	30	M12	25	M6
Mandrins à partir de Ø 315mm stries 1,5mm x 60°											
AL-M 315	41 – 138	342	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	100 – 197	342	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	166 – 264	356	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	229 – 329	400	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
AN-M 315	41 – 126	330	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	99 – 185	330	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	165 – 252	344	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	229 – 317	388	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
AP-M 315	41 – 125	329	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	98 – 185	329	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	164 – 251	343	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	228 – 316	387	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
APL-M 315	41 – 137	341	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	91 – 196	341	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	157 – 263	355	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	220 – 328	399	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
BB-M 315	83 – 125	329	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	143 – 185	329	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	210 – 251	343	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	274 – 316	387	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8

Mors durs à crocs extérieurs

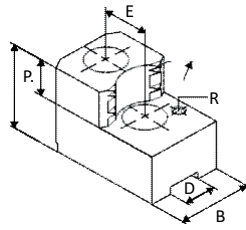
Stries 1,5mm x 60°

Acier



Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrus	P	R
Mandrins à partir de Ø 315mm stries 1,5mm x 60°											
BH-M 315; BHM-FC 315	53 – 126	330	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	113 – 185	330	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	179 – 252	344	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	243 – 317	388	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
BP-M 320	53 – 128	332	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	113 – 187	332	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	179 – 254	346	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	243 – 319	390	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
HFKN-M 315-91	63 – 137	341	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	123 – 196	341	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	189 – 263	355	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	253 – 328	399	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
NT-M 315	41 – 125	329	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	98 – 185	329	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	164 – 251	343	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	228 – 316	387	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
NTL-M 315	41 – 137	342	17 0001 2130	GTZ-M 300-5	50	65	21	30	M16	25	M8
	93 – 197	342	17 0001 2140	GTZ-M 300-6	50	65	21	30	M16	25	M8
	159 – 264	355	17 0001 2150	GTZ-M 300-8	50	65	21	30	M16	25	M8
	222 – 328	399	17 0001 2160	GTZ-M 300-9	50	65	21	30	M16	25	M8
Mandrins à partir de Ø 400mm stries 1,5mm x 60°											
AL-M 400	55 – 144	428	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	112 – 202	434	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	172 – 262	434	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	232 – 323	454	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	292 – 383	471	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	352 – 443	523	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
AN-M 400	55 – 132	416	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	112 – 190	422	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	172 – 250	422	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	232 – 311	442	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	292 – 372	459	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	352 – 431	511	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
AP-M 400	41 – 121	405	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	95 – 178	410	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	154 – 238	410	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	215 – 299	430	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	274 – 360	447	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	334 – 420	499	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8

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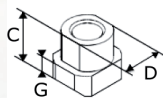


Mors durs à crocs extérieurs

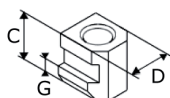
Stries 1,5mm x 60°

Acier

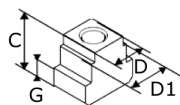
Type du mandrin	Capacité de serrage	Encombrement	Index	Type	B	C	D	E	Ecrous	P	R
Mandrins à partir de Ø 400mm stries 1,5mm x 60°											
APL-M 4007	41 – 134	418	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	88 – 192	424	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	148 – 252	424	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	208 – 313	444	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	268 – 374	461	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	327 – 433	513	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
BH-M 400	55 – 122	407	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	111 – 180	412	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	171 – 240	412	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	231 – 301	432	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	291 – 362	449	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	351 – 422	501	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
BH-M 450	55 – 182	466	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	111 – 239	472	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	171 – 299	472	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	231 – 361	492	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	291 – 421	509	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	351 – 481	561	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
BHM-FC 400	55 – 122	407	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	111 – 180	412	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	171 – 240	412	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	231 – 301	432	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	291 – 362	449	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	351 – 422	501	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
NT-M 400	41 – 121	405	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	95 – 178	410	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	154 – 238	410	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	215 – 299	430	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	274 – 360	447	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	334 – 420	499	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8
NTL-M 400	41 – 134	418	17 0000 7870	GTZ-M 380-1	60	85	22	43	M20	33	M8
	91 – 192	424	17 0000 7880	GTZ-M 380-2	60	85	22	43	M20	33	M8
	150 – 252	424	17 0000 7890	GTZ-M 380-3	60	85	22	43	M20	33	M8
	211 – 313	444	17 0000 7900	GTZ-M 380-4	60	85	22	43	M20	33	M8
	270 – 374	461	17 0000 7910	GTZ-M 380-5	60	85	22	43	M20	33	M8
	330 – 433	513	17 0000 7920	GTZ-M 380-6	60	85	22	43	M20	33	M8



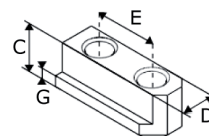
Version 1



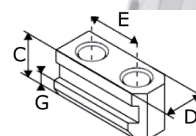
Version 2



Version 3



Version 4

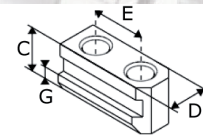
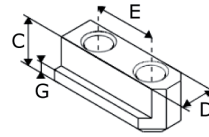
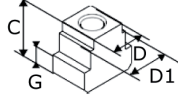
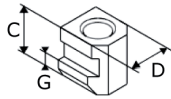
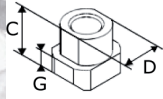


Version 5

Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	Version
Mandrins à partir de Ø 125mm										
BB-D 140; BH-D 130; HB-D 130	17 0000 2500	WTD 12-6	15	12	-	16	M8x20	6,5	30	4
	17 0000 2360	WTS 12-3	15	12	-	-	M8x20	6,5	30	1
KDV 130	17 0000 6000	WTS 12-1	17,2	12	-	-	M8x20	7	30	1
PB-D 130; PBI-D 130	17 0000 2500	WTD 12-6	15	12	-	16	M8x20	6,5	30	4
	17 0000 2360	WTS 12-3	15	12	-	-	M8x20	6,5	30	1
SP 125-26; STP 125; STWP 125	17 0000 8630	WTS 11-1	21	11	-	-	M8x30	7	30	1
Mandrins à partir de Ø 160mm										
AL-D 165; AN-D 165; AP-D 170; BB-D 175; BH-D 165; BHD-FC 165	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
GHD-FC 165; GHDN 165	17 0001 1250	WTS 14-5	20	14	-	-	M10x25	7,5	50	1
HB-D 165	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
HFK 160	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1
HFKN-D 165-46	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
HFKS 160	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1
HYND-S 180	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
KDV 160; KDVG 160; KFMF 160; Kfv 160	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1
NT-D 170; PB-D 165; PBI-D 165; RC-D 165	17 0000 6230	WTD 14-1	18,5	14	-	20	M10x25	6,5	50	5
	17 0000 2430	WTS 14-2	18,5	14	-	-	M10x25	6,5	50	2
SP 160-38; STP 160; STWP 160	17 0000 8660	WTS 14-1	25,5	14	-	-	M10x35	8,5	50	1
Mandrins à partir de Ø 200mm										
AL-D 210; AN-D 210; AP-D 215; APL-D 215; BB-D 210; BH-D 210; BHD-FC 210; BP-D 220	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
CC 240 Z	17 0000 8680	WTS 17-3	27	17	-	-	M12x35	9	70	1
CD 200	17 0001 1260	WTS 17-7	22,3	17	-	-	M12x30	8,3	70	1
CL-D 200	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
GHD-FC 210; GHDN 210	17 0001 1260	WTS 17-7	22,3	17	-	-	M12x30	8,3	70	1
HB-D 210	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
HDB 220; HDL 200; HDN 200; HDN 220	17 0001 1260	WTS 17-7	22,3	17	-	-	M12x30	8,3	70	1
HFK 200	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1

Lardons de fixation

Stries 90°



Version 1

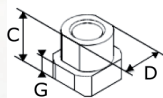
Version 2

Version 3

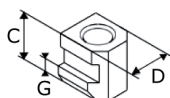
Version 4

Version 5

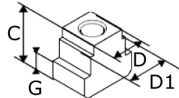
Type du mandrin	Index	Type	C	D	D1	E	Ecrus	G	Couple max. adm. Nm	Version
Mandrins à partir de Ø 200mm										
HFKN-D 210-52	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
HFKS 200	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1
HYND-S 210; HYND-S 226	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
KDV 200; KDVG 200; KFMF 200; KJV 200	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1
KZF 200; KZF-ES 200	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
LP 205	17 0000 8680	WTS 17-3	27	17	-	-	M12x35	9	70	1
NT-D 215	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
ODL 200; ODN 200; ODN 220	17 0001 1260	WTS 17-7	22,3	17	-	-	M12x30	8,3	70	1
PB-D 210; PBI-D 210; RC-D 210	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
SP 200; SP 240-78; STP 200; STP 240; STWP 200	17 0000 8680	WTS 17-3	27	17	-	-	M12x35	9	70	1
US-2 CLD 200	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
Mandrins à partir de Ø 250mm										
250RCD; AL-D 250; AN-D 250	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
AP-D 260; APL-D 260	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
BB-D 250; BH-D 250; BHD-FC 250	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
BP-D 260	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
CD 250	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
CL-D 250	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
GHD-FC 250; GHDN 250	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HB-D 250	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
HDL 250; HDN 250	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HDN 250S	17 0000 6060	WTS 17-9	25,5	17	21	-	M12x30	11	70	3
HFK 250; HFK 270	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3



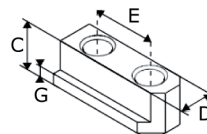
Version 1



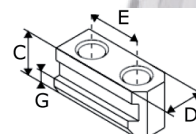
Version 2



Version 3



Version 4



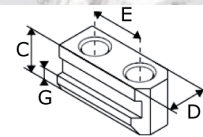
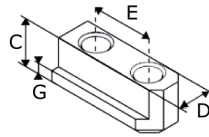
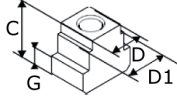
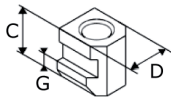
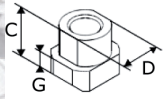
Version 5

Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	Version
Mandrins à partir de Ø 250mm										
HFKN-D 260-72	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
HFKS 250; HFKS 270	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
HYND-S 250	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
KDV 250; KDVG 250	17 0000 5560	WTD 17-2	23	17	-	22	M12x30	9	70	4
	17 0000 5470	WTS 17-2	23	17	-	-	M12x30	9	70	1
KFMF 250; KFV 250	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
KZF 250; KZF-ES 250	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
LP 250	17 0000 8720	WTS 21-3	30	21	-	-	M16x35	11	150	1
NT-D 260; NTL-D 260	17 0000 6240	WTD 17-1	20,5	17	-	22	M12x25	7,5	70	5
	17 0000 2440	WTS 17-1	20,5	17	-	-	M12x25	7,5	70	2
ODL 250; ODN 250	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
ODN 250S	17 0000 6060	WTS 17-9	25,5	17	21	-	M12x30	11	70	3
PB-D 250; PBI-D 250; RC-D 250	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
SP 250; SP 280-92; STP 250; STP 280; STWP 250	17 0000 8720	WTS 21-3	30	21	-	-	M16x35	11	150	1
US-2 CLD 250	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
Mandrins à partir de Ø 300mm										
305RCD; AL-D 315; AN-D 315; AP-D 315; APL-D 315; BB-D 315; BH-D 315; BHD-FC 315; BP-D 320	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
CC 350 Z	17 0000 8720	WTS 21-3	30	21	-	-	M16x35	11	150	1
CD 315	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
CL-D 315	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
GHD-FC 305; GHDN 315	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HB-D 315	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
HDB 300; HDL 315; HDN 315	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HFK 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
HFKN-D 315-91	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2

Lardons de fixation

Stries 90°

AUTOBLOK-SMW



Version 1

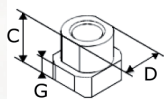
Version 2

Version 3

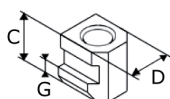
Version 4

Version 5

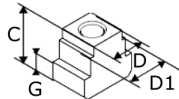
Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	V e r - sion
Mandrins à partir de Ø 300mm										
HFKS 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
HYND-S 315	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
KDV 315; KDBG 315; KFMF 315; KJV 315	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
KZF 315; KZF-ES 315	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
LP 380	17 0000 8740	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
NT-D 315; NTL-D 315	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
ODL 315; ODN 315	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
PB-D 315; PBI-D 315; RC-D 305	17 0000 6250	WTD 21-1	26,5	21	-	28	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
SP 315; SP 350-115; SP 350-115 ES; SP-L 350-90; STP 315; STWP 315	17 0000 8720	WTS 21-3	30	21	-	-	M16x35	11	150	1
US-2 CLD 315	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
Mandrins à partir de Ø 400mm										
AL-D 400; AN-D 400	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
BB 400; BB 400 ES	17 0000 8740	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
BB-N 400-140; BB-N 460; BB-N 470-191; BB-N ES 400-140; BB-N ES 460; BB-N ES 470-191; BH-D 400; BH-D 450; BHD-FC 400	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
CC 470 Z	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
GHD 400; GHD-FC 400; GHDN 400; HDL 400; HDN 400	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HFK 400; HFKN-D 400-128; HFKS 400	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
HYD-S 400; HYND-S 400	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
KDV 400; KDBG 400	17 0000 5570	WTD 21-2	27	21	-	28	M16x35	11	150	4
	17 0000 5480	WTS 21-2	27	21	-	-	M16x35	11	150	1
	17 0000 8710	WTS 17-8	27	17	21	-	M12x30	11	70	3
LP 460	17 0000 8740	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
ODL 400; ODN 400; RC-D 400	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1



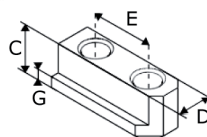
Version 1



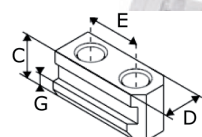
Version 2



Version 3



Version 4

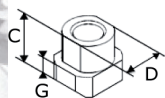


Version 5

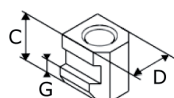
Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	Version
Mandrins à partir de Ø 400mm										
KFV 400	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
STP 400	17 0000 8740	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
Mandrins à partir de Ø 500mm										
BB 500; BB 500 ES	17 0000 8740	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
BB-AZ-ES 500; BB-AZ-ES 590-220; BB-EXL-SC2G 510-191; BB-N 500-205; BB-N 500-230; BB-N ES 500-205; BB-N ES 500-230; BB-N-EXL2G 510-191; BH-D 500; BHD-FC 500	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
GHD 500	17 0000 2420	WTS 25,5-10	40	25,5	28	-	M20x40	15,5	300	3
HFK 500; HFKN-D 500-155; HFKS 500	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
HYD-S 500; HYDL-S 500; HYDL-S 550; HYDLL-S 550	17 0000 2410	WTS 25,5-11	34	25,5	28	-	M20x45	15	300	3
IL-D 500; IN-D 500	17 0000 2420	WTS 25,5-10	40	25,5	28	-	M20x40	15,5	300	3
KDV 500; KDVG 500; KFV 500	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
LP 500; STP 500	17 0000 8740	WTS 25,5-2	34,5	25,5	-	-	M18x55	14,5	220	1
Mandrins à partir de Ø 600mm										
BB 630	17 0000 8780	WTS 30-2	41	30	-	-	M24x70	15	450	1
BB 630-265 ES	17 0000 8790	WTS 25,5-6	67	25,5	-	-	M18x90	14,5	220	1
BB 630-325 ES; BB-AZ-ES 630-275; BB-AZ-ES 750-370	17 0000 8780	WTS 30-2	41	30	-	-	M24x70	15	450	1
BB-EXL-SC2G 660-280; BB-N 600-275	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
BB-N 630-310	17 0000 8780	WTS 30-2	41	30	-	-	M24x70	15	450	1
BB-N ES 600-275	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
BB-N ES 630-325	17 0000 8780	WTS 30-2	41	30	-	-	M24x70	15	450	1
BB-N-EXL2G 660-280; BH-D 630; BHD-FC 630	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
GHD 610; GHD 640	17 0000 2420	WTS 25,5-10	40	25,5	28	-	M20x40	15,5	300	3
HYDL-S 630; HYDLL-S 630	17 0000 2410	WTS 25,5-11	34	25,5	28	-	M20x45	15	300	3
IL-D 630; IN-D 630	17 0000 2420	WTS 25,5-10	40	25,5	28	-	M20x40	15,5	300	3
KFV 630	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
STP 630	17 0000 8780	WTS 30-2	41	30	-	-	M24x70	15	450	1

Lardons de fixation

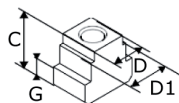
Stries 90°



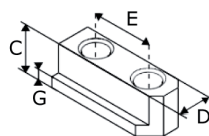
Version 1



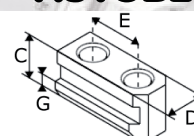
Version 2



Version 3



Version 4

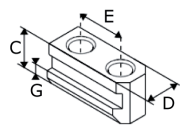


Version 5

Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	Version
Mandrins à partir de Ø 800mm										
BB 800; BB 850 ES; BB-N 800-410; BB-N ES 850-375; BB-N-EXL2G 900-390	17 0000 8780	WTS 30-2	41	30	-	-	M24x70	15	450	1
BH-D 800	17 0000 2400	WTS 25,5-9	34,5	25,5	-	-	M20x45	15	220	1
GHD 800; HYDL-S 800; IL-D 800; IN-D 800	17 0000 2420	WTS 25,5-10	40	25,5	28	-	M20x40	15,5	300	3
KFV 800	17 0000 5580	WTD 25,5-1	29	25,5	-	35	M20x40	11	220	4
	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
	17 0000 8700	WTS 21-8	29	21	25,5	-	M16x35	11	150	3
STP 800	17 0000 8780	WTS 30-2	41	30	-	-	M24x70	15	450	1
Mandrins à partir de Ø 1000mm										
BB 1000; BB 1000 ES; BB-N 1000; BB-N ES 1000-560	17 0000 8780	WTS 30-2	41	30	-	-	M24x70	15	450	1

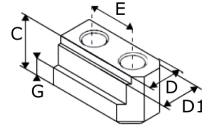
Lardons de fixation

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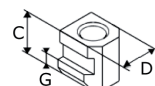


Version 5

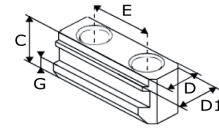
Version 1



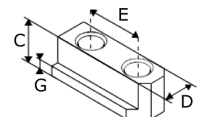
Version 6



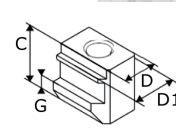
Version 2



Version 8



Version 4



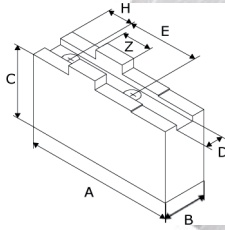
Version 9

Type du mandrin	Index	Type	C	D	D1	E	Ecrous	G	Couple max. adm. Nm	Version
Mandrins à partir de Ø 130mm										
BB-M 140; BH-M 130; HB-M 130; PB-M 130	17 0000 2500	WTD 12-6	15	12	-	16	M8x20	6,5	30	4
	17 0000 2360	WTS 12-3	15	12	-	-	M8x20	6,5	30	1
Mandrins à partir de Ø 165mm										
AL-M 165; AN-M 165; AP-M 170; BB-M 175; BH-M 165; BHM-FC165; HB-M 165; HFKN-M 165-46; NT-M 170; PB-M 165; PBI-M 165; RC-M 165	17 0000 2590	WTD 12-7	18,5	12	14	20	M10x25	6,5	50	8
	17 0000 2460	WTS 12-4	18,5	12	14	-	M10x25	6,5	50	9
Mandrins à partir de Ø 210mm										
AL-M 210; AN-M 210; AP-M 215; APL-M 215; BB-M 210; BH-M 210; BHM-FC 210; BP-M 220; HB-M 210; HFKN-M 210-52; NT-M 215; PB-M 210; PBI-M 210; RC-M 210	17 0000 2600	WTD 14-5	20,5	14	17	25	M12x30	7,5	70	8
	17 0000 2470	WTS 14-6	20,5	14	17	-	M12x30	7,5	70	9
Mandrins à partir de Ø 250mm										
AL-M 250; AN-M 250	17 0000 2610	WTD 16-4	26,5	16	21	30	M12x35	10	70	8
	17 0000 2480	WTS 16-3	26,5	16	21	-	M12x35	10	70	9
AP-M 260; APL-M 260	17 0000 2620	WTD 16-5	20,5	16	17	30	M12x30	7,5	70	8
BB-M 250; BH-M 250; BHM-FC 250	17 0000 2610	WTD 16-4	26,5	16	21	30	M12x35	10	70	8
	17 0000 2480	WTS 16-3	26,5	16	21	-	M12x35	10	70	9
BP-M 260	17 0000 2620	WTD 16-5	20,5	16	17	30	M12x30	7,5	70	8
HB-M 250; HFKN-M 260-72	17 0000 2610	WTD 16-4	26,5	16	21	30	M12x35	10	70	8
	17 0000 2480	WTS 16-3	26,5	16	21	-	M12x35	10	70	9
NT-M 260; NTL-M 260	17 0000 2620	WTD 16-5	20,5	16	17	30	M12x30	7,5	70	8
PB-M 250; PBI-M 250; RC-M 250	17 0000 2610	WTD 16-4	26,5	16	21	30	M12x35	10	70	8
	17 0000 2480	WTS 16-3	26,5	16	21	-	M12x35	10	70	9
Mandrins à partir de Ø 305mm										
AL-M 315; AN-M 315; AP-M 315; APL-M 315; BB-M 315; BH-M 315; BHM-FC 315; BP-M 320; HB-M 15; HFKN-M 315-91; NT-M 315; NTL-M 315; PB-M 315; PBI-M 315; RC-M 305	17 0000 2580	WTD 21-6	26,5	21	-	30	M16x35	10	150	5
	17 0000 2450	WTS 21-1	26,5	21	-	-	M16x35	10	150	2
Mandrins à partir de Ø 400mm										
AL-M 400; AN-M 400; BH-M 400; BH-M 450	17 0000 2550	WTD 22-6	34,5	22	25,5	43	M20x45	15	300	6
GH-M 400	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
HFKN-M 400-128	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1
RC-M 400	17 0000 6020	WTS 21-6	25,5	21	-	-	M16x35	11	150	1
Mandrins à partir de Ø 500mm										
HFKN-M 500-155	17 0000 5490	WTS 25,5-1	29	25,5	-	-	M20x40	11	220	1

Mors doux à tenons Type F

Tenon et rainure métriques

Acier

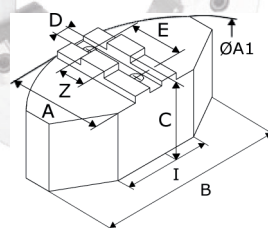


Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	Z
Tenon et rainure métriques										
KNCS 140; KNCS-N 140-35	17 0000 2630	MKS-RM 140-1	70	20	40	8	32	M8	18	18
HG 160; HG-F 160-46; HG-N 160-46; KNCS 160; KNCS 175; KNCS-N 170-43; KNSP 160; RMG 160	17 0000 2640	MKS-RM 160-1	85	20	40	8	32	M8	18	18
HG 200; HG-F 210-60; HG-N 210-60; KNCS 200; KNCS 210; KNCS-N 210-52; KNCS-N 225-66; KNCS-NB 210-52; KNCS-NB 225-66; KNSP 200; RMG 200	17 0000 2650	MKS-RM 200-1	105	25	50	10	40	M8	25	20
HG 250; HG 315; HG-F 260-81; HG-N 260-81; HG-N 315-102; KNCS 250; KNCS 260; KNCS 315; KNCS-N 260-78; KNCS-N 275-86; KNCS-N 325-104; KNCS-N 340-117; KNCS-NB 260-78; KNCS-NB 275-86; KNCS-NB 325-104; KNCS-NB 340-117; RMG 250	17 0000 2660	MKS-RM 250-5	125	30	60	12	40	M12	25	20
HG 400; HG-F 315-102; HG-N 400-128; KNCS 400; KNCS-N 400-128; KNCS-NB 400-128; KNCS-NBX 425-170; RMG 315	17 0000 2670	MKS-RM 315-1	140	35	60	12	54	M12	30	26
HG 500; HG 630; HG-F 400-128; HG-F 500-165; HG-N 500-165; HG-N 630-254; KNCS 500; KNCS 630; KNCS-N 500-155; KNCS-N 630-165; KNCS-NB 500-155; KNCS-NB 630-165; KNCS-NB 800-165; KNCS-NBX 530-210; KNCS-NBX 630-262; KNCS-NBX 800-262; KNCS-NBX 1000-262	17 0000 2680	MKS-RM 400-1	180	50	80	18	60	M16	35	30

Mors doux enveloppants Type F

Tenon et rainure métriques

Acier

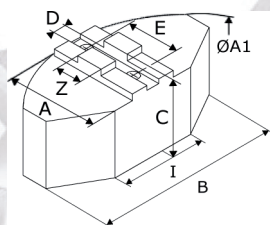


Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	Z	I	A1
Tenon et rainure métriques												
HG 160; HG-F 160-46; HG-N 160-46; KNCS 160; KNCS 175; KNCS-N170-43; KNSP 160; RMG 160	17 0000 2750	GPS-RM 160-1	60	120	50	8	32	M8	16	18	40	160
HG 200; HG-F 210-60; HG-N 210-60; KNCS 200; KNCS 210; KNCS-N 210-52; KNCS-N 225-66; KNCS-NB 210-52; KNCS-NB 225-66; KNSP 200; RMG 200	17 0000 2760	GPS-RM 200-1	70	140	60	10	40	M8	17	20	65	200
HG 250; HG 315; HG-F 260-81; HG-N 260-81; HG-N 315-102; KNCS 250; KNCS 260; KNCS 315; KNCS-N 260-78; KNCS-N 275-86; KNCS-N 325-104; KNCS-N 340-117; KNCS-NB 260-78; KNCS-NB 275-86; KNCS-NB 325-104; KNCS-NB 340-117; RMG 250	17 0000 2770	GPS-RM 250-1	90	180	60	12	40	M12	34	20	70	250
HG 400; HG-F 315-102; HG-N 400-128; KNCS 400; KNCS-N 400-128; KNCS-NB 400-128; KNCS-NBX 425-170; RMG 315	17 0000 2780	GPS-RM 315-1	110	240	75	12	54	M12	40	26	120	320
HG 500; HG 630; HG-F 400-128; HG-F 500-165; HG-N 500-165; HG-N 630-254; KNCS 500; KNCS 630; KNCS-N 500-155; KNCS-N 630-165; KNCS-NB 500-155; KNCS-NB 630-165; KNCS-NB 800-165; KNCS-NBX 530-210; KNCS-NBX 630-262; KNCS-NBX 800-262; KNCS-NBX 1000-262	17 0000 2790	GPS-RM 400-1	160	330	85	18	60	M16	80	30	150	440

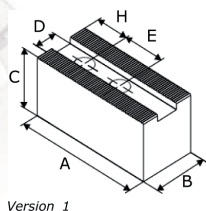
Mors doux enveloppants Type F

Tenon et rainure métriques

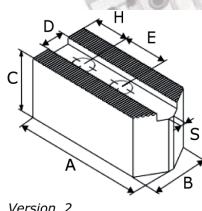
Aluminium



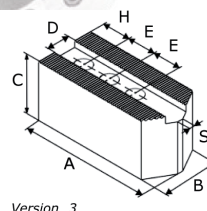
Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	Z	I	A1
Tenon et rainure métriques												
HG 160; HG-F 160-46; HG-N 160-46; KNCS 160; KNCS 175; KNCS-N170-43; KNSP 160; RMG 160	17 0000 2800	GPA-RM 160-1	60	120	50	8	32	M8	16	18	40	160
HG 200; HG-F 210-60; HG-N 210-60; KNCS 200; KNCS 210; KNCS-N 210-52; KNCS-N 225-66; KNCS-NB 210-52; KNCS-NB 225-66; KNSP 200; RMG 200	17 0000 2810	GPA-RM 200-1	70	140	60	10	40	M8	17	20	65	200
HG 250; HG 315; HG-F 260-81; HG-N 260-81; HG-N 315-102; KNCS 250; KNCS 260; KNCS 315; KNCS-N 260-78; KNCS-N 275-86; KNCS-N 325-104; KNCS-N 340-117; KNCS-NB 260-78; KNCS-NB 275-86; KNCS-NB 325-104; KNCS-NB 340-117; RMG 250	17 0000 2820	GPA-RM 250-1	90	180	60	12	40	M12	34	20	70	250
HG 400; HG-F 315-102; HG-N 400-128; KNCS 400; KNCS-N 400-128; KNCS-NB 400-128; KNCS-NBX 425-170; RMG 315	17 0000 2830	GPA-RM 315-1	110	240	75	12	54	M12	40	26	120	320



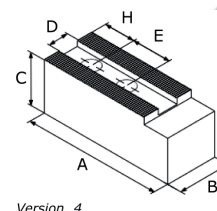
Version 1



Version 2



Version 3



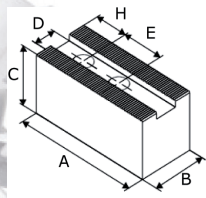
Version 4

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 1/16" x 90°											
ROTA TP 125; TP 125	17 0000 6920	MKS-C 125-1	55,5	30	40	11	18	M8	10	-	1
HSG 140; ROTA NCD 130; ROTA NCD 132	17 0000 6080	MKS-C 130-1	53	22	47	10	12	M6	9	-	3
	17 0000 5990	MTS-C 130-1	55	25	30	10	12	M6	11	3	3
	17 0000 6930	MTS-C 130-2	62	32	32	10	12	M6	9	2	3
HSG 160; ROTA NCD 160; ROTA NCD 165	17 0001 1740	MKS-C 160-1	55	30	38	12	15	M8	9	-	1
	17 0000 6090	MKS-C 160-2	55	30	55	12	15	M8	9	-	1
	17 0000 6940	MTS-C 160-1	72	35	40	12	15	M8	12	3	2
ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCF plus 185; ROTA NCF plus 2 185-5); ROTA NCK plus 165; ROTA NCR 250; ROTA NCR 315; ROTA TP 160; TP 160	17 0001 1590	MKS-C 160-3	68	35	60	14	20	M10	15	-	1
	17 0001 1580	MTS-C 160-2	80	35	40	14	20	M10	15	4	2
HSL 165); ROTA NC 165; ROTA NCD 185; ROTA NCF 165; ROTA NCO 165; TH 165; THF 165	17 0000 5390	MKS-C 165-1	70	35	40	17	22	M12	15	-	1
	17 0000 5400	MKS-C 165-2	70	40	60	17	22	M12	15	-	1
	17 0000 6960	MTS-C 165-1	78	35	40	17	22	M12	15	4	2
ROTA 2B 160	17 0000 6950	2MKS-C 160-1	70	60	60	17	22	M12	12	-	1
HSG 200; HSG 250	17 0000 6040	MKS-C 200-4	70	40	60	17	19	M12	12	-	1
	17 0000 6050	MKS-C 250-1	90	40	60	17	19	M12	12	-	1
HSL 210; ROTA NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 210; ROTA NCD 215; ROTA NCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK plus 210; ROTA NCK plus 250; ROTA NCO 210; ROTA TP 200; TH 210; THF 210; TP 200	17 0000 6970	MKS-C 200-2	90	40	40	17	22	M12	25	-	1
	17 0000 5440	MKS-C 200-3	90	40	60	17	22	M12	25	-	1
	17 0000 5430	MTS-C 200-1	98	35	40	17	22	M12	15	4	2
ROTA 2B 200	17 0000 6990	2MKS-C 200-1	95	80	80	21	28	M16	22	-	1
HSL 250; HSL 315; ROTA EP 500; ROTA NC 250; ROTA NC 315; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 250; ROTA NCD 255; ROTA NCD 315; ROTA NCF 250; ROTA NCF 315; ROTA NCF plus 260; ROTA NCF plus 2 260-86; ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK plus 315; ROTA NCO 260; ROTA NCO 315; ROTA NCR 400; ROTA NCR 500; ROTA NCR 630; ROTA NCR 800; ROTA TP 250; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 250; TH 315; THF 250; THF 315; TP 250; TP 315	17 0001 1730	MKS-C 250-2	95	50	60	21	28	M16	15	-	1
	17 0000 6980	MTS-C 250-1	120	50	50	21	28	M16	20	4	2
	17 0000 5240	MKS-C 250-3	120	50	80	21	28	M16	30	-	1
	17 0000 5460	MTS-C 315-1	140	50	50	21	28	M16	30	4	2

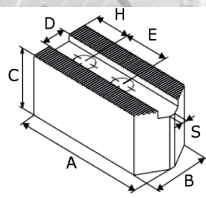
Mors doux striés

Stries 90°

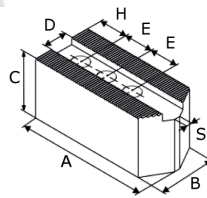
Acier



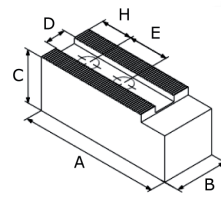
Version 1



Version 2

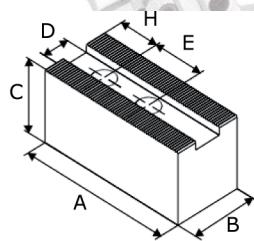


Version 3

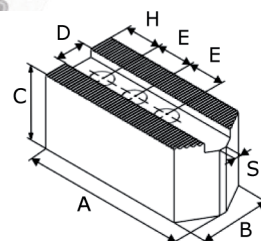


Version 4

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 1/16" x 90°											
HSG 315	17 0001 1750	MKS-C 315-1	105	50	60	21	25	M16	15	-	1
ROTA 2B 250	17 0000 0090	2MKS-C 250-1	110	80	80	25,5	35	M20	20	-	1
ROTA 2B 315	17 0000 0670	2MKS-C 315-1	125	80	80	25,5	35	M20	28	-	1
ROTA 2B 400	17 0000 0680	2MKS-C 400-1	150	80	80	25,5	35	M20	28	-	1
Stries 3/32" x 90°											
HSG 400; HSG 500; HSL 400; ROTA NC 400; ROTA NC 500; ROTA NCD 400; ROTA NCD 500; ROTA NCD 630; ROTA NCF 400; ROTA NCF 500; ROTA NCO 400; ROTA NCO 500; ROTA NCO 630; ROTA NCO 800; ROTA NCR 1000; ROTA TB-LH 630-275; TH 400; TH 500; THF 400; THF 500	17 0000 7000	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	17 0000 7010	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
ROTA EP 380; TB 400	17 0000 7000	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	17 0000 7010	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
	17 0000 6490	MKS-C 400-3	155	60	100	25,5	40	M18	35	-	1
ROTA EP 460; ROTA EP-LH 460; ROTA TB 400; ROTA TB 470; ROTA TB 500; ROTA TB 600; ROTA TB 610; ROTA TB-LH 400; ROTA TB-LH 470; ROTA TB-LH 500; ROTA TB-LH 600; ROTA TB-LH 610	17 0000 7000	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	17 0000 7010	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
	17 0000 6490	MKS-C 400-3	155	60	100	25,5	40	M18	35	-	1
	17 0000 6500	MKS-C 400-4	195	60	100	25,5	40	M18	37	-	1
ROTA NC 630; ROTA NCF 630	17 0000 7000	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	17 0000 7010	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
	17 0000 6510	MKS-C 600-1	240	75	90	30	65	M24	42	-	4
ROTA NC 800	17 0000 7000	MKS-C 400-1	140	60	80	25,5	35	M20	30	-	1
	17 0000 7010	MKS-C 400-2	155	60	90	25,5	35	M20	30	-	1
	17 0000 6510	MKS-C 600-1	240	75	90	30	65	M24	42	-	4
	17 0000 6520	MKS-C 600-2	300	75	90	30	65	M24	68	-	4
ROTA TB-LH 630-265	17 0000 6500	MKS-C 400-4	195	60	100	25,5	40	M18	37	-	1
ROTA TB 630; ROTA TB-LH 630-325; TB 630; TH 630	17 0000 6510	MKS-C 600-1	240	75	90	30	65	M24	42	-	4
ROTA NC 1000; ROTA NCO 1000; ROTA TB 800; ROTA TB 1000; ROTA TB-LH 850; ROTA TB-LH 1000; ROTA TB-LH 1200; TB 800; TB 1000	17 0000 6520	MKS-C 600-2	300	75	90	30	65	M24	68	-	4

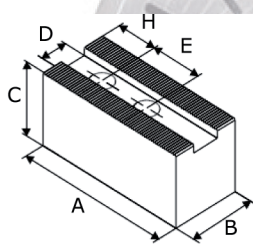


Version 1

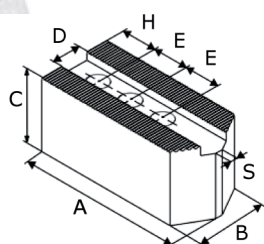


Version 3

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 1/16" x 90°											
HSG 140; ROTA NCD 130; ROTA NCD 132	17 0000 7020	MTA-C 130-1	53	25	45	10	12	M6	9	3	3
HSG 160; ROTA NCD 160; ROTA NCD 165	17 0000 7030	MKA-C 160-1	70	30	55	12	15	M8	9	-	1
ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCF plus 185; ROTA NCF plus 2 185-52; ROTA NCK plus 165; ROTA NCR 250; ROTA NCR 315; ROTA TP 160; TP 160	17 0000 7030	MKA-C 160-2	80	35	60	14	20	M10	15	-	1
HSL 165; ROTA NC 165; ROTA NCD 185; ROTA NCF 165; ROTA NCO 165; TH 165; THF 165	17 0000 6270	MKA-C 165-1	70	40	60	17	22	M12	15	-	1
HSG 200; HSG 250	17 0000 7040	MKA-C 200-1	90	40	60	17	19	M12	12	-	1
HSL 210; ROTA NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 210; ROTA NCD 215; ROTA NCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK plus 210; ROTA NCK plus 250; ROTA NCO 210; ROTA TP 200; TH 210; THF 210; TP 200	17 0000 6280	MKA-C 200-2	90	40	60	17	22	M12	25	-	1
HSL 250; HSL 315; ROTA EP 500; ROTA NC 250; ROTA NC 315; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 250; ROTA NCD 315; ROTA NCF 250; ROTA NCF 315; ROTA NCF plus 260; ROTA NCF plus 2 260-86; ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK plus 315; ROTA NCO 260; ROTA NCO 315; ROTA NCR 400; ROTA NCR 500; ROTA NCR 630; ROTA NCR 800; ROTA TP 250; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 250; TH 315; THF 250; THF 315; TP 250; TP 315	17 0000 6290	MKA-C 250-1	125	50	80	21	28	M16	30	-	1



Version 1



Version 3

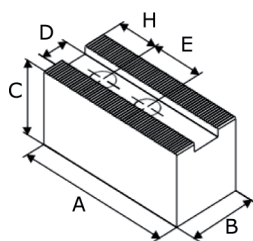
Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 3/32" x 90°											
HSG 400; HSG 500; HSL 400; ROTA EP 380; ROTA EP 460; ROTA EP-LH 460; ROTA NC 400; ROTA NC 500; ROTA NC 630; ROTA NC 800; ROTA NCD 400; ROTA NCD 500; ROTA NCD 630; ROTA NCF 400; ROTA NCF 500; ROTA NCF 630; ROTA NCO 400; ROTA NCO 500; ROTA NCO 630; ROTA NCO 800; ROTA NCR 1000; ROTA TB 400; ROTA TB 470; ROTA TB 500; ROTA TB 600; ROTA TB 610; ROTA TB-LH 400; ROTA TB-LH 470; ROTA TB-LH 500; ROTA TB-LH 600; ROTA TB-LH 610; ROTA TB-LH 630-275; TH 400; TH 500; THF 400; THF 500	17 0000 7050	MKA-C 400-1	155	60	100	25,5	35	M20	30	-	1

SCHUNK

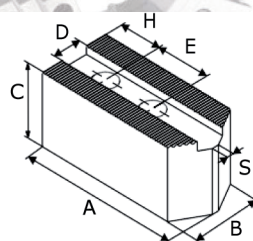
Mors doux striés

Stries 60°

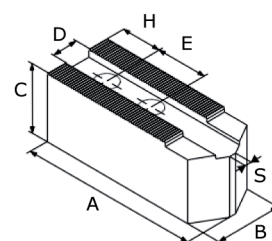
Acier



Version 1

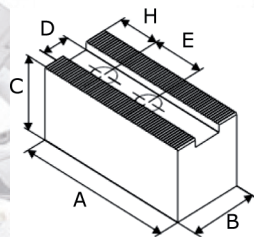


Version 2

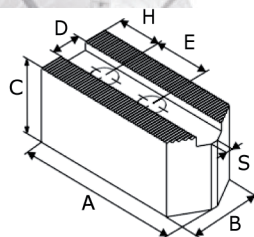


Version 5

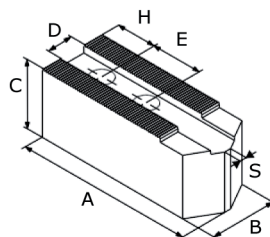
Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 1,5mm x 60°											
HSL 165; ROTA NC 165; ROTA NC plus 185; ROTA NC plus 2 185-52;	17 0000 7810	MKS-M 165-1	72	32	32	12	20	M10	15	-	1
ROTA NCD 165; ROTA NCD 185;	17 0001 1630	MKS-M 165-2	72	35	60	12	20	M10	15	-	1
ROTA NCF 165;	17 0000 0840	MTS-M 165-3	75	30	30	12	20	M10	15	13	2
ROTA NCF plus 185;	17 0000 0850	MTS-M 165-4	81	30	30	12	20	M10	15	13	2
ROTA NCF plus 2 185-52;	17 0000 7820	MTS-M 165-1	82	32	32	12	20	M10	15	4	5
ROTA NCK 165;	17 0001 1760	MTS-M 165-2	82	35	60	12	20	M10	15	4	5
ROTA NCK plus 165											
HSL 210; ROTA NC 210;	17 0000 0860	MTS-M 210-4	95	35	35	14	25	M12	20	15	2
ROTA NC plus 215;	17 0000 7830	MKS-M 210-1	95	35	40	14	25	M12	24	-	1
ROTA NC plus 2 215-66;	17 0001 1640	MKS-M 210-2	95	35	60	14	25	M12	24	-	1
ROTA NCD 215; ROTA NCF 210;	17 0001 1650	MKS-M 210-3	95	40	80	14	25	M12	24	-	1
ROTA NCF plus 215;	17 0000 4750	MKS-M 210-4	95	40	100	14	25	M12	24	-	1
ROTA NCF plus 2 215-66;	17 0000 7840	MTS-M 210-1	102	35	40	14	25	M12	20	4	5
ROTA NCK 210;	17 0000 0880	MTS-M 210-5	102	35	40	14	25	M12	20	15	2
ROTA NCK plus 210	17 0000 4760	MTS-M 210-2	102	40	80	14	25	M12	20	4	5
	17 0000 4770	MTS-M 210-3	102	40	100	14	25	M12	20	4	5
HSL 250; ROTA NC 250;	17 0000 7080	MKS-M 250-6	90	40	60	16	30	M12	15	-	1
ROTA NC plus 260;	17 0000 7090	MKS-M 250-7	90	50	80	16	30	M12	15	-	1
ROTA NC plus 2 260-86;	17 0000 0890	MTS-M 250-4	110	40	40	16	30	M12	20	17	2
ROTA NCD 250; ROTA NCD 255;	17 0000 7850	MKS-M 250-1	110	40	42	16	30	M12	30	-	1
ROTA NCF 250;	17 0000 7860	MKS-M 250-2	110	40	60	16	30	M12	30	-	1
ROTA NCF plus 260;	17 0000 1200	MTS-M 250-5	110	40	60	16	30	M12	20	17	2
ROTA NCF plus 2 260-86;	17 0001 1660	MKS-M 250-3	110	40	80	16	30	M12	30	-	1
ROTA NCK 250;	17 0001 1670	MKS-M 250-4	120	40	100	16	30	M12	30	-	1
ROTA NCK plus 250	17 0000 1230	MKS-M 250-5	120	40	120	16	30	M12	30	-	1
	17 0000 7100	MKS-M 250-8	120	50	50	16	30	M12	30	-	1
	17 0001 1600	MTS-M 250-1	125	40	42	16	30	M12	30	4	5
	17 0001 1710	MTS-M 250-2	125	40	60	16	30	M12	30	4	5
	17 0000 7070	MTS-M 250-3	125	40	100	16	30	M12	30	4	5
HSL 315; ROTA NC 315;	17 0000 7110	MKS-M 300-1	130	50	50	18	30	M14	40	-	1
ROTA NCF 315	17 0000 7120	MKS-M 300-2	130	50	80	18	30	M14	40	-	1
	17 0000 7130	MKS-M 300-3	130	50	120	18	30	M14	40	-	1
	17 0000 7140	MTS-M 300-3	145	50	50	18	30	M14	30	10	5
	17 0000 7150	MTS-M 300-4	145	50	100	18	30	M14	30	10	5



Version 1

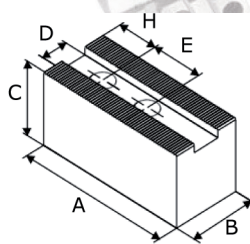


Version 2



Version 5

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 1,5mm x 60°											
HSL 315; ROTA NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 315; ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK 315; ROTA NCK plus 315	17 0001 1610	MKS-M 300-4	129	50	60	21	30	M16	39	-	1
	17 0001 1680	MKS-M 300-5	129	50	80	21	30	M16	39	-	1
	17 0000 1250	MKS-M 300-6	129	50	100	21	30	M16	25	-	1
	17 0000 1260	MKS-M 300-7	129	50	120	21	30	M16	25	-	1
	17 0000 7160	MKS-M 300-9	140	50	100	21	30	M16	30	-	1
	17 0001 1620	MTS-M 300-5	145	50	50	21	30	M16	30	10	5
	17 0000 7170	MTS-M 300-6	145	50	100	21	30	M16	30	10	5
HSL 400; ROTA NC 400; ROTA NCF 400	17 0000 3060	MKS-M 380-1	165	60	60	22	43	M20	37	-	1
	17 0000 4100	MKS-M 380-2	165	60	80	22	43	M20	37	-	1
	17 0000 4120	MKS-M 380-3	165	60	120	22	43	M20	37	-	1
	17 0000 7180	MTS-M 380-1	185	60	60	22	43	M20	30	10	5



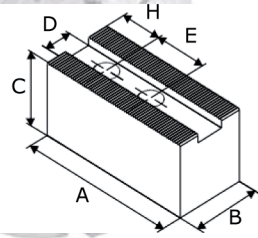
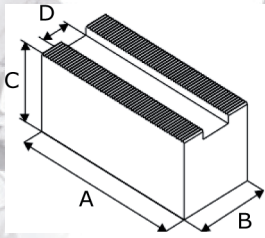
Version 1

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	S	Version
Stries 1,5mm x 60°											
HSL 165; ROTA NC 165; ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCD 165; ROTANCD 185; ROTA NCF 165; ROTA NCF plus 185; ROTA NCF plus 2 185-52; ROTA NCK 165; ROTA NCK plus 165	17 0000 7310	MKS-M 165-1	72	35	50	12	20	M10	15	-	1
HSL 210; ROTA NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 215; ROTANCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK 210; ROTA NCK plus 210	17 0000 7320	MKS-M 210-1	90	40	60	14	25	M12	20	-	1
HSL 250; ROTA NC 250; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NCD 250; ROTANCD 255; ROTA NCF 250; ROTA NCF plus 260; ROTA NCF plus 2 260-86; ROTA NCK 250; ROTA NCK plus 250	17 0000 7330	MKS-M 250-1	110	40	60	16	30	M12	25	-	1
HSL 315; ROTA NC 315; ROTA NCF 315	17 0000 7340	MKA-M 300-1	130	50	80	18	30	M14	40	-	1
HSL 315; ROTA NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 315; ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK 315; ROTA NCK plus 315	17 0000 7350	MKA-M 300-2	130	50	80	21	30	M16	40	-	1
HSL 400; ROTA NC 400; ROTA NCF 400	17 0000 7360	MKA-M 380-2	145	60	80	22	43	M20	40	-	1

Mors doux striés avec ou sans perçages

Stries 90°

Acier

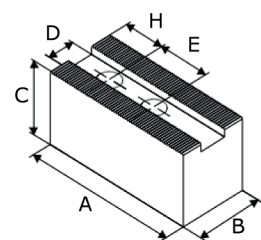
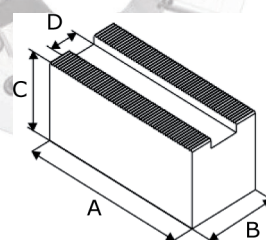


Type du mandrin	Sans perçages		Avec perçages		A	B	C	D
	Index	Type	Index	Type				
Stries 1/16" x 90°								
ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCF plus 185; ROTA NCF plus 2 185-52; ROTA NCK plus 165; ROTA NCR 250; ROTA NCR 315; ROTA TP 160; TP 160	17 0000 4800	MBS-C 165-1	17 0000 4801	MWS-C 165-1	80	40	40	14
HSG 200; HSG 250; HSL 165; HSL 210; ROTA 2B 160; ROTA NC 165;	17 0000 4810	MBS-C 200-1	17 0000 4811	MWS-C 200-1	70	40	40	17
ROTA NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 185; ROTA NCD 210; ROTA NCD 215; ROTA NCF 165; ROTA NCF 210; ROTA NCF plus 215;	17 0000 4820	MBS-C 200-2	17 0000 4821	MWS-C 200-2	70	40	60	17
	17 0000 4830	MBS-C 200-3	17 0000 4831	MWS-C 200-3	90	40	40	17
ROTA NCF plus 2 215-66; ROTA NCK plus 210; ROTA NCK plus 250; ROTA NCO 165; ROTA NCO 210;	17 0000 4840	MBS-C 200-4	17 0000 4841	MWS-C 200-4	90	40	60	17
	17 0000 4850	MBS-C 200-5	17 0000 4851	MWS-C 200-5	90	40	80	17
ROTA TP 200; TH 165; TH 210; THF 165; THF 210; TP 200	17 0000 4860	MBS-C 200-6	17 0000 4861	MWS-C 200-6	90	40	100	17
	17 0000 4870	MBS-C 200-7	17 0000 4871	MWS-C 200-7	90	40	120	17
	17 0000 4880	MBS-C 200-8	17 0000 4881	MWS-C 200-8	105	40	40	17
	17 0000 4890	MBS-C 200-9	17 0000 4891	MWS-C 200-9	105	40	60	17
HSG 315; HSL 250; HSL 315; ROTA 2B 200; ROTA 2B 250;	17 0000 4900	MBS-C 250-1	17 0000 4901	MWS-C 250-1	90	45	45	21
ROTA 2B 315; ROTA 2B 400; ROTA EP 500; ROTA NC 250; ROTA NC 315; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NC plus 315;	17 0000 4910	MBS-C 250-2	17 0000 4911	MWS-C 250-2	90	45	80	21
	17 0000 4920	MBS-C 250-3	17 0000 4921	MWS-C 250-3	110	45	45	21
	17 0000 4930	MBS-C 250-4	17 0000 4931	MWS-C 250-4	110	45	80	21
ROTA NC plus 2 315-104; ROTA NCD 250; ROTA NCD 255; ROTA NCD 315; ROTA NCF 250; ROTA NCF 315; ROTA NCF plus 260; ROTA NCF plus 2 260-86;	17 0000 4940	MBS-C 250-5	17 0000 4941	MWS-C 250-5	125	50	50	21
	17 0000 4950	MBS-C 250-6	17 0000 4951	MWS-C 250-6	125	50	80	21
	17 0000 4960	MBS-C 250-7	17 0000 4961	MWS-C 250-7	125	50	100	21
ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK plus 315; ROTA NCO 260;	17 0000 4970	MBS-C 250-8	17 0000 4971	MWS-C 250-8	125	50	120	21
	17 0000 4980	MBS-C 250-9	17 0000 4981	MWS-C 250-9	140	50	60	21
ROTA NCO 315; ROTA NCR 400; ROTA NCR 500; ROTA NCR 630; ROTA NCR 800; ROTA TP 250; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 250; TH 315; THF 250; THF 315; TP 250; TP 315	17 0000 4990	MBS-C 250-10	17 0000 4991	MWS-C 250-10	140	50	80	21

Mors doux striés avec ou sans perçages

Stries 90°

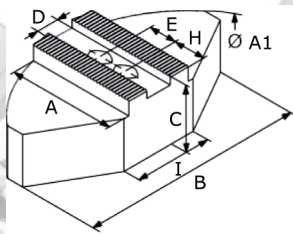
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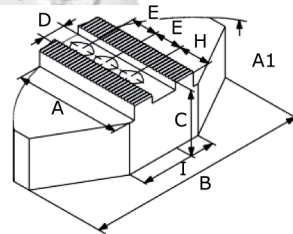
Type du mandrin	Sans perçages		Avec perçages		A	B	C	D
	Index	Type	Index	Type				
Stries 1,5mm x 60°								
HSL 165; ROTa NC 165; ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCD 165; ROTA NCD 185; ROTa NCF 165; ROTA NCF plus 185; ROTA NCF plus 2 185-52; ROTA NCK 165; ROTa NCK plus 165	17 0000 6550	MBS-M 165-1	17 0000 6551	MWS-M 165-1	81	30	60	12
HSL 210; ROTa NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 215; ROTa NCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK 210; ROTa NCK plus 210	17 0000 5000	MBS-M 210-1	17 0000 5001	MWS-M 210-1	95	35	35	14
	17 0000 5010	MBS-M 210-2	17 0000 5011	MWS-M 210-2	95	40	60	14
	17 0000 5020	MBS-M 210-3	17 0000 5021	MWS-M 210-3	95	40	80	14
	17 0000 5030	MBS-M 210-4	17 0000 5031	MWS-M 210-4	95	40	100	14
	17 0000 5040	MBS-M 210-5	17 0000 5041	MWS-M 210-5	102	40	80	14
	17 0000 5050	MBS-M 210-6	17 0000 5051	MWS-M 210-6	102	40	100	14
HSL 250; ROTa NC 250; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NCD 250; ROTa NCD 255; ROTA NCF 250; ROTa NCF plus 260; ROTA NCF plus 2 260-86; ROTA NCK 250; ROTa NCK plus 250	17 0000 5060	MBS-M 250-1	17 0000 5061	MWS-M 250-1	110	40	40	16
	17 0000 5070	MBS-M 250-2	17 0000 5071	MWS-M 250-2	110	40	60	16
	17 0000 5080	MBS-M 250-3	17 0000 5081	MWS-M 250-3	110	40	80	16
	17 0000 5090	MBS-M 250-4	17 0000 5091	MWS-M 250-4	110	40	100	16
	17 0000 5100	MBS-M 250-5	17 0000 5101	MWS-M 250-5	129	40	60	16
HSL 315; ROTa NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 315; ROTa NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK 315; ROTa NCK plus 315	17 0000 5110	MBS-M 300-1	17 0000 5111	MWS-M 300-1	129	50	80	21
	17 0000 5120	MBS-M 300-2	17 0000 5121	MWS-M 300-2	129	50	100	21
	17 0000 5130	MBS-M 300-3	17 0000 5131	MWS-M 300-3	129	50	120	21

Mors doux enveloppants striés

Stries 90°
Acier



Version 1



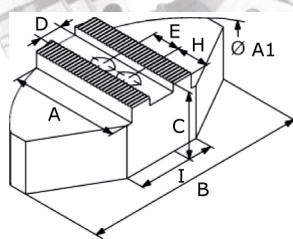
Version 2

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 1/16" x 90°												
HSG 140; ROTa NCD 130; ROTA NCD 132	17 0000 7370	GPS-C 130-1	50	100	40	10	12	M6	15	35	130	2
HSG 160; ROTa NCD 160; ROTA NCD 165	17 0000 7380	GPS-C 160-1	60	120	60	12	15	M8	20	40	160	2
ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCF plus 185; ROTA NCF plus 2 185-52; ROTA NCK plus 165; ROTa NCR 250; ROTa NCR 315; ROTA TP 160; TP 160	17 0000 6580	GPS-C 160-3	60	120	60	14	20	M10	25	40	160	1
HSL 165; ROTa NC 165; ROTA NCD 185; ROTA NCF 165; ROTA NCO 165; TH 165; THF 165	17 0000 6590	GPS-C 165-1	60	120	60	17	22	M12	25	40	160	1
HSG 200; HSG 250	17 0000 7400	GPS-C 200-3	70	140	60	17	19	M12	36	50	200	1
HSL 210; ROTa NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 210; ROTA NCD 215; ROTA NCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK plus 210; ROTA NCK plus 250; ROTA NCO 210; ROTA TP 200; TH 210; THF 210; TP 200	17 0000 1300	GPS-C 200-1	70	140	60	17	22	M12	35	64	200	1
	17 0000 6560	GPS-C 200-2	70	140	75	17	22	M12	35	64	200	1
ROTA NCK plus 250	17 0000 7390	GPS-C 250-1	79	180	60	17	22	M12	44,5	104	250	1
HSL 250; ROTa NC 250; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NCD 250; ROTA NCD 255; ROTA NCF 250; ROTA NCF plus 260; ROTA NCF plus 2 260-86; ROTA NCO 260; ROTA NCR 500; ROTA NCR 630; ROTA NCR 800; ROTA TP 250; TH 250; THF 250; TP 250	17 0000 1310	GPS-C 250-2	80	180	70	21	28	M16	30	104	250	1
	17 0000 6570	GPS-C 250-3	80	180	100	21	28	M16	30	104	250	1
HSL 315; ROTa EP 500; ROTA NC 315; ROTA NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 315; ROTA NCF 315; ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK plus 315; ROTA NCO 315; ROTA TP 315; ROTa TP 350; ROTA TP-LH 350; TH 315; THF 315; TP 315	17 0000 1320	GPS-C 315-1	80	180	100	21	28	M16	30	104	250	1

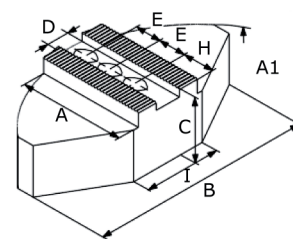
Mors doux enveloppants striés

Stries 90°

Acier



Version 1

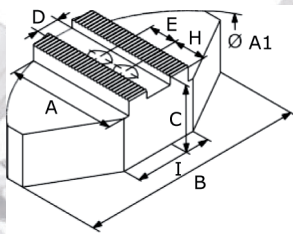


Version 2

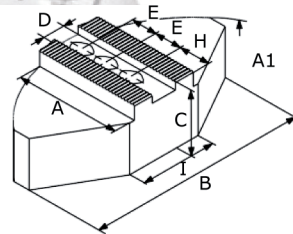
Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 3/32" x 90°												
HSG 400; HSG 500; HSL 400; ROTA EP 380; ROTA EP 460; ROTA EP-LH 460; ROTA NC 400; ROTA NC 500; ROTA NC 630; ROTA NC 800; ROTA NCD 400; ROTA NCD 500; ROTA NCD 630; ROTA NCF 400; ROTA NCF 500; ROTA NCF 630; ROTA NCO 400; ROTA NCO 500; ROTA NCO 630; ROTA NCO 800; ROTA NCR 1000; ROTA TB 400; ROTA TB 470; ROTA TB 500; ROTA TB 600; ROTA TB 610; ROTA TB-LH 400; ROTA TB-LH 470; ROTA TB-LH 500; ROTA TB-LH 600; ROTA TB-LH 610; ROTA TB-LH 630-275; TB 400; TH 400; TH 500; THF 400; THF 500	17 0001 1690	GPS-C 400-1	155	330	85	25,5	35	M20	85	150	440	1

Mors doux enveloppants striés

Stries 90°
Aluminium



Version 1



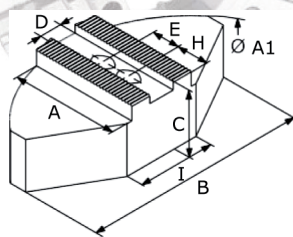
Version 2

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 1/16" x 90°												
HSG 140; ROTA NCD 130; ROTA NCD 132	17 0000 7410	GPA-C 130-1	50	100	48	10	12	M6	15	35	130	2
HSG 160; ROTA NCD 160; ROTA NCD 165	17 0000 7420	GPA-C 160-1	59,5	120	58	12	15	M8	20	40	165	2
ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCF plus 185; ROTA NCF plus 2 185-52; ROTA NCK plus 165; ROTA NCR 250; ROTA NCR 315; ROTA TP 160; TP 160	17 0000 6300	GPA-C 160-2	59,5	120	58	14	20	M10	25	40	165	1
HSL 165; ROTA NC 165; ROTA NCD 185; ROTA NCF 165; ROTA NCO 165; TH 165; THF 165	17 0000 6310	GPA-C 165-1	59,5	120	58	17	22	M12	22	40	165	1
HSG 200; HSG 250	17 0000 7430	GPA-C 200-3	72,5	140	58	17	19	M12	41	50	200	1
HSL 210; ROTA NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 210; ROTA NCD 215; ROTA NCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK plus 210; ROTA NCK plus 250; ROTA NCO 210; ROTA TP 200; TH 210; THF 210; TP 200	17 0000 6320	GPA-C 200-1	72,5	140	58	17	22	M12	35	50	200	1
HSL 250; ROTA NC 250; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NCD 250; ROTA NCD 255; ROTA NCF 250; ROTA NCF plus 260; ROTA NCF plus 2 260-86; ROTA NCO 260; ROTA NCR 500; ROTA NCR 630; ROTA NCR 800; ROTA TP 250; TH 250; THF 250; TP 250	17 0000 6340	GPA-C 250-1	87,5	180	78	21	28	M16	40	70	250	1
HSL 315; ROTA EP 500; ROTA NC 315; ROTA NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 315; ROTA NCF 315; ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK plus 315; ROTA NCO 315; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 315; THF 315; TP 315	17 0000 6360	GPA-C 315-1	117	240	78	21	28	M16	70	80	320	1

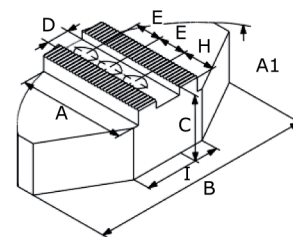
Mors doux enveloppants striés

Stries 90°

Aluminium



Version 1

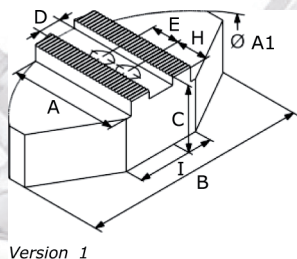


Version 2

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 3/32" x 90°												
HSG 400; HSG 500; HSL 400; ROTA EP 380; ROTA EP 460; ROTA EP-LH 460; ROTA NC 400; ROTA NC 500; ROTA NC 630; ROTA NC 800; ROTA NCD 400; ROTA NCD 500; ROTA NCD 630; ROTA NCF 400; ROTA NCF 500; ROTA NCF 630; ROTA NCO 400; ROTA NCO 500; ROTA NCO 630; ROTA NCO 800; ROTA NCR 1000; ROTA TB 400; ROTA TB 470; ROTA TB 500; ROTA TB 600; ROTA TB 610; ROTA TB-LH 400; ROTA TB-LH 470; ROTA TB-LH 500; ROTA TB-LH 600; ROTA TB-LH 610; ROTA TB-LH 630-275; TB 400; TH 400; TH 500; THF 400; THF 500	17 0001 177	GPA-C 400-1	160	330	98	25,5	35	M20	85	150	440	1

Mors doux enveloppants striés

Stries 60°
Acier

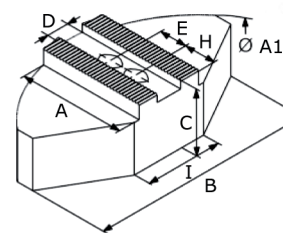


Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 1,5mm x 60°												
HSL 165; ROTA NC 165; ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCD 165; ROTA NCD 185; ROTA NCF 165; ROTA NCF plus 185; ROTA NCF plus 2 185-52; ROTA NCK 165; ROTA NCK plus 165	17 0000 1380	GPS-M 165-1	60	120	50	12	20	M10	25	50	160	1
HSL 210; ROTA NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 215; ROTA NCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK 210; ROTA NCK plus 210	17 0000 1390	GPS-M 210-1	70	140	60	14	25	M12	30	70	200	1
HSL 250; ROTA NC 250; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NCD 250; ROTA NCD 255; ROTA NCF 250; ROTA NCF plus 260; ROTA NCK 250; ROTA NCK plus 250	17 0000 6610	GPS-M 210-2	70	140	80	14	25	M12	30	70	200	1
HSL 250; ROTA NC 250; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NCD 250; ROTA NCD 255; ROTA NCF 250; ROTA NCF plus 260; ROTA NCK 250; ROTA NCK plus 250	17 0000 1400	GPS-M 250-1	80	180	60	16	30	M12	30	100	250	1
HSL 315; ROTA NC 315; ROTA NCF 315	17 0000 6620	GPS-M 250-2	80	180	80	16	30	M12	30	100	250	1
HSL 315; ROTA NC 315; ROTA NCF 315	17 0000 4220	GPS-M 300-1	110	240	70	18	30	M14	40	120	300	1
HSL 315; ROTA NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 315; ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK 315; ROTA NCK plus 315;	17 0000 1410	GPS-M 300-2	110	240	70	21	30	M16	45	120	300	1

Mors doux enveloppants striés

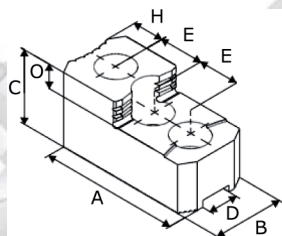
Stries 60°

Aluminium

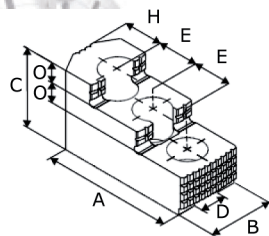


Version 1

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	A1	Version
Stries 1,5mm x 60°												
HSL 165; ROTA NC 165; ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCD 165; ROTA NCD 185; ROTA NCF 165; ROTA NCF plus 185; ROTA NCF plus 2 185-52; ROTA NCK 165; ROTA NCK plus 165	17 0000 6370	GPA-M 165-1	59,5	120	58	12	20	M10	25	40	165	1
HSL 210; ROTA NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 215; ROTA NCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK 210; ROTA NCK plus 210	17 0000 6380	GPA-M 210-1	72,5	140	58	14	25	M12	35	50	200	1
HSL 210; ROTA NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 215; ROTA NCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK 210; ROTA NCK plus 210	17 0000 6390	GPA-M 210-2	72,5	140	80	14	25	M12	35	50	200	1
HSL 250; ROTA NC 250; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NCD 250; ROTA NCD 255; ROTA NCF 250; ROTA NCF plus 260; ROTA NCK 250; ROTA NCK plus 250	17 0000 6400	GPA-M 250-1	87,5	180	58	16	30	M12	40	70	250	1
HSL 250; ROTA NC 250; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NCD 250; ROTA NCD 255; ROTA NCF 250; ROTA NCF plus 260; ROTA NCK 250; ROTA NCK plus 250	17 0000 6410	GPA-M 250-2	87,5	180	80	16	30	M12	40	70	250	1
HSL 315; ROTA NC 315; ROTA NCF 315	17 0000 6420	GPA-M 300-1	117	240	78	18	30	M14	40	80	320	1
HSL 315; ROTA NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 315; ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK 315; ROTA NCK plus 315;	17 0000 6430	GPA-M 300-2	117	240	78	21	30	M16	45	80	320	1



Version 1



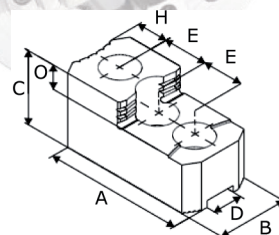
Version 2

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	Version
Stries 1/16" x 90°											
ROTA TP 125; TP 125	17 0000 7440	SGT-C 125-1	58,5	26	40	11	16	M8	14,5	9	2
HSG 140; ROTA NCD 130; ROTA NCD 132	17 0000 7450	SGT-C 130-1	58	26	37,5	10	12	M6	11	10	2
HSG 160; ROTA NCD 160; ROTA NCD 165	17 0000 1460	SGT-C 160-1	58	30	34	12	16	M8	13	8,5	2
ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCF plus 185; ROTA NCF plus 2 185-52; ROTA NCK plus 165; ROTA NCR 250; ROTA NCR 315; ROTA TP 160; TP 160	17 0000 1470	SGT-C 160-2	65	34	40	14	16,5	M10	17,5	9,5	2
HSL 165; ROTA NC 165; ROTA NCD 185; ROTA NCF 165; ROTA NCO 165; TH 165; THF 165	17 0000 7460	SGT-C 165-1	64,7	35	40	17	19	M12	28	10	2
	17 0000 7470	SGT-C 165-2	72,5	40	49	17	19	M12	18	12	2
HSG 200; HSG 250; HSL 210; ROTA NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 210; ROTA NCD 215; ROTA NCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK plus 210; ROTA NCK plus 250; ROTA NCO 210; ROTA TP 200; TH 210; THF 210; TP 200	17 0000 1480	SGT-C 200-1	83	40	46	17	23	M12	20	10,5	2
HSL 250; ROTA NC 250; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NCD 250; ROTA NCD 255; ROTA NCF 250; ROTA NCF plus 260; ROTA NCF plus 2 260-86; ROTA NCO 260; ROTA NCR 500; ROTA NCR 630; ROTA NCR 800; ROTA TP 250; TH 250; THF 250; TP 250	17 0000 1490	SGT-C 250-1	106	45	56	21	30	M16	27	13,5	2
HSL 315; ROTA EP 500; ROTA NC 315; ROTA NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 315; ROTA NCF 315; ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK plus 315; ROTA NCO 315; ROTA NCR 400; ROTA NCR 500; ROTA NCR 630; ROTA NCR 800; ROTA TP 315; ROTA TP 350; ROTA TP-LH 350; TH 315; THF 315; TP 315	17 0000 1500	SGT-C 315-1	124	50	56	21	30	M16	45	13,5	2

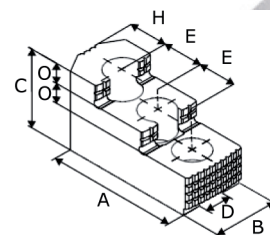
Mors durs étagés

Stries 90°

Acier



Version 1



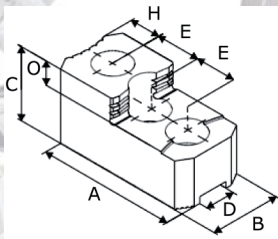
Version 2

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	Version
Stries 3/32" x 90°											
HSG 400; HSG 500; HSL 400; ROTA NC 400; ROTA NC 500; ROTA NCD 400; ROTA NCD 500; ROTA NCD 630; ROTA NCF 400; ROTA NCF 500; ROTA NCO 400; ROTA NCO 500; ROTA NCO 630; ROTA NCO 800; ROTA NCR 1000; ROTA TB-LH 470; ROTA TB-LH 630-275; TH 400; TH 500; THF 400; THF 500	17 0000 1520	SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
	17 0000 1530	SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1
ROTA EP 380; ROTA EP 460; ROTA EP-LH 460; ROTA TB 400; ROTA TB 470; ROTA TB 500; ROTA TB 600; ROTA TB 610; ROTA TB-LH 400; ROTA TB-LH 500; ROTA TB-LH 600; ROTA TB-LH 610; TB 400	17 0000 1520	SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
	17 0000 1530	SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1
	17 0000 7480	SGT-C 400-2	160	57	73	25,5	42	M18	43	22	1
ROTA TB-LH 630-265	17 0000 7480	SGT-C 400-2	160	57	73	25,5	42	M18	43	22	1
ROTA NC 630; ROTA NC 800; ROTA NCF 630	17 0000 1520	SGT-C 400-1	141	60	75	25,5	38	M20	38	19	2
	17 0000 1530	SGT-C 600-1	146	74	74	25,5	38	M20	47	32	1
	17 0000 7490	SGT-C 600-2	174	75	88	30	50	M24	44,5	30	1
ROTA TB 630; ROTA TB-LH 630-325; TB 630	17 0000 7490	SGT-C 600-2	174	75	88	30	50	M24	44,5	30	1
ROTA NC 1000; ROTA NCO 1000; ROTA TB 800; ROTA TB 1000; ROTA TB-LH 850; ROTA TB-LH 1000; ROTA TB-LH 1200; TB 800; TB 1000	17 0000 7500	SGT-C 800-1	250	75	105	30	60	M24	92	22	2

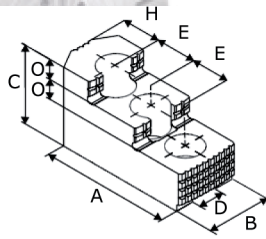
Mors durs étagés

Stries 60°

Acier



Version 1



Version 2

Type du mandrin	Index	Type	A	B	C	D	E	Ecrous	H	I	Version
Stries 1,5mm x 60°											
HSL 165; ROTA NC 165; ROTA NC plus 185; ROTA NC plus 2 185-52; ROTA NCD 165; ROTA NCD 185; ROTA NCF 165; ROTA NCF plus 185; ROTA NCF plus 2 185-52; ROTA NCK 165; ROTA NCK plus 165	17 0000 1540	SGT-M 165-1	67	31	36	12	20	M10	14	12	1
HSL 210; ROTA NC 210; ROTA NC plus 215; ROTA NC plus 2 215-66; ROTA NCD 215; ROTA NCF 210; ROTA NCF plus 215; ROTA NCF plus 2 215-66; ROTA NCK 210; ROTA NCK plus 210	17 0000 7510	SGT-M 210-1	79	32	38	14	25	M12	16	12	1
	17 0000 1550	SGT-M 210-2	87	35	51	14	25	M12	20,5	12	2
HSL 250; ROTA NC 250; ROTA NC plus 260; ROTA NC plus 2 260-86; ROTA NCD 250; ROTA NCD 255; ROTA NCF 250; ROTA NCF plus 260; ROTA NCF plus 2 260-86; ROTA NCK 250; ROTA NCK plus 250	17 0000 1560	SGT-M 250-1	101	40	54	16	30	M12	23	13	2
HSL 315; ROTA NC 315; ROTA NCF 315	17 0000 4280	SGT-M 300-1	103	50	52	18	30	M14	22,5	17	1
	17 0000 7520	SGT-M 300-2	106	50	62	18	30	M14	20	15	2
HSL 315; ROTA NC plus 315; ROTA NC plus 2 315-104; ROTA NCD 315; ROTA NCF plus 315; ROTA NCF plus 2 315-104; ROTA NCK 315; ROTA NCK plus 315	17 0000 1570	SGT-M 300-3	103	50	52	21	30	M16	22,5	17	1
	17 0000 7530	SGT-M 300-4	128	50	62	21	30	M16	46	14	2
HSL 400; ROTA NC 400; ROTA NCF 400	17 0000 3170	SGT-M 380-1	149	62	86	22	43	M20	30,5	20	2