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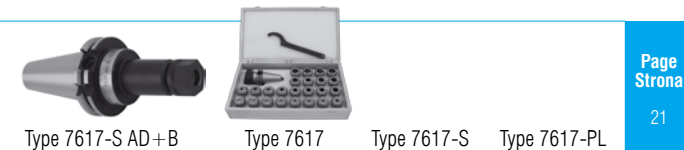
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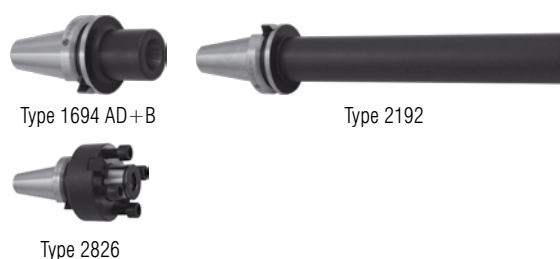
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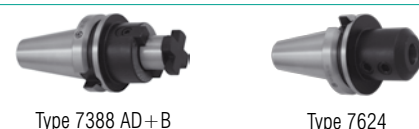
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SPARE PARTS FOR TOOLPOST CZĘŚCI ZAMIENNE DO IMAKA TOKARSKIEGO



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ACCESSORIES • CZĘŚCI ZAMIENNE



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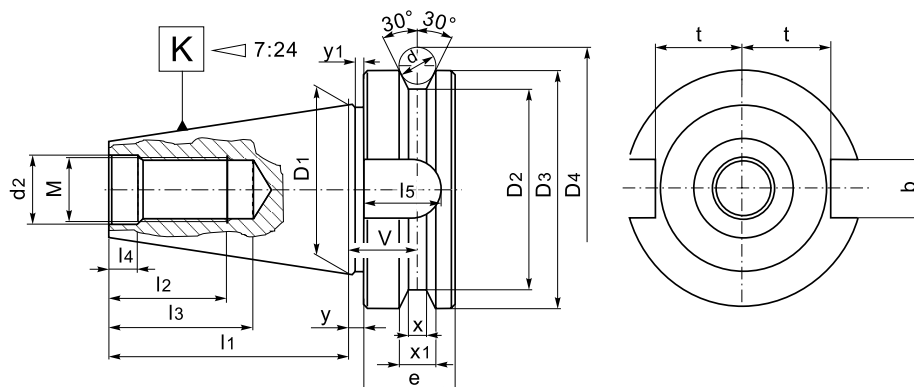
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MAS 403-BT

TOOL SHANKS with 7:24 for automatic tool exchange

CHWYT ze stożkiem 7:24 do wymiany automatycznej



K 7:24	D ₁	D ₂	D ₃	D ₄	l ₁	l ₂	l ₃	l ₄	l ₅	bH12
30	31,75	38	46	56,1	48,4	24	34	7	17	16,1
40	44,45	53	63	75,6	65,4	30	43	9	21	16,1
50	69,85	85	100	119,0	101,8	45	62	13	31	25,7

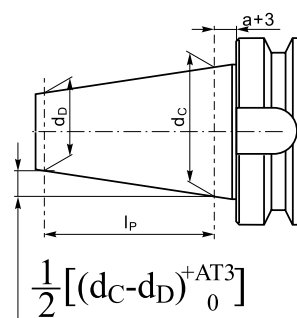
K 7:24	t	d	d ₂ H7	M	e	v	x	x ₁	y	y ₁
30	16,3	8	12,5	M12	20	13,6	4	8	2	2
40	22,6	10	17,0	M16	25	16,6	5	10	2	2
50	35,4	15	25,0	M24	35	23,2	7	15	3	3

STANDARD FEATURES OF TOOLING

- Manufactured with Chrome Manganese steel
- Carburized with depth of case 0,7 mm.
- Hardened and precision ground.
- Surface Hardness RC 58±2.
- Taper angle: tolerance AT3.

CHARAKTERYSTYKA TECHNICZNA WYROBÓW

- Materiał: stal stopowa chromowo-manganowa
- Nawęglane na głębokość 0,7 mm.
- Hartowane i precyzyjnie szlifowane.
- Twardość powierzchni 58±2 HRC.
- Tolerancja kąta stożka AT3.

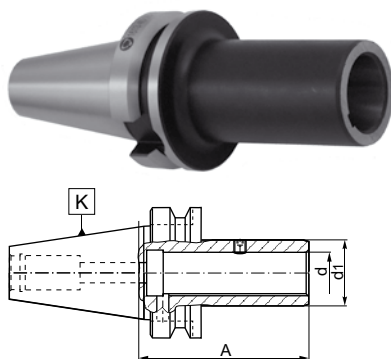


K 7:24	d _C - d _D	l _P	a	AT3
30	12,250	42	2	0,002
40	17,208	59	2	0,003
50	26,833	92	3	0,004

Type 1613



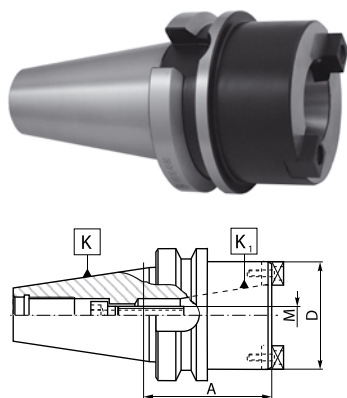
HOLDERS for adjustable adapters DIN 6327
OPRAWKI do trzpieni i tulei z regulacją osiową DIN 6327



Type 1660



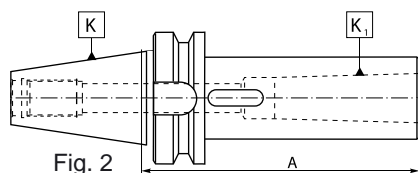
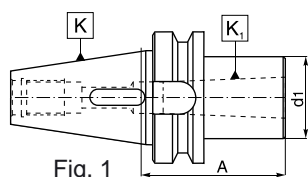
TAPER ADAPTERS for tools with 7:24 taper shank
TULEJE REDUKCYJNE do narzędzi z chwytem 7:24



Type 1661



REDUCING ADAPTERS for tools with Morse taper and tang DIN 228-B shank or for tools with Morse taper shank and drawbar thread DIN 228-A
TULEJE REDUKCYJNE do narzędzi z chwytem Morse'a z płetwą wg DIN 228-B lub do narzędzi z chwytem Morse'a z gwintem wg DIN 228-A



MAS 403-BT AD

Code No / Kod Nr	K 7:24	d	d1	A	
0642 116 136 107	40	16	25	75	U-1997/0
0642 116 136 209		20	32	80	U-1997/0
0642 116 136 300		28	40	100	U-7381/0
0642 116 136 402		36	50	115	U-7381/0
0642 116 137 108	50	16	25	85	U-1997/0
0642 116 137 200		20	32	85	U-1997/0
0642 116 137 301		28	40	100	U-7381/0
0642 116 137 403		36	50	100	U-7381/0
0642 116 137 505		48	67	105	U-7382/0

Typical order/Sposób zamawiania: 0642 116 137 505 lub 1613-50-48-105

MAS 403-BT

Code No / Kod Nr	K 7:24	K1 7:24	A	D	M	
0642 116 605 505	50	40	80	88	M16	U-6227/0

Typical order/Sposób zamawiania: 0642 116 605 505 lub 1660-50-40-80

MAS 403-BT

Code No / Kod Nr	K 7:24	K1 Morse	A	d1	Fig.
0642 116 617 108	30	1	50	25	1
0642 116 617 200		2*	60	32	1
0642 116 617 301		3*	79	40	1
0642 116 613 104	40	1	50	25	1
0642 116 613 206		2	50	32	1
0642 116 613 308		3*	70	40	1
0642 116 613 400		4*	95	48	1
0642 116 613 501		1	120	25	2
0642 116 613 603		2	120	32	2
0642 116 613 705		3*	135	40	2
0642 116 613 807		4*	165	48	2
0642 116 614 105	50	1	45	25	1
0642 116 614 207		2	60	32	1
0642 116 614 309		3	65	40	1
0642 116 614 400		4	95	48	1
0642 116 614 502		5*	105	63	1
0642 116 614 604		1	120	25	2
0642 116 614 706		2	135	32	2
0642 116 614 808		3	155	40	2
0642 116 614 900		4	180	48	2
0642 116 615 106		5*	215	63	2

Typical order/Sposób zamawiania: 0642 116 615 106 or 1661-50-5-215

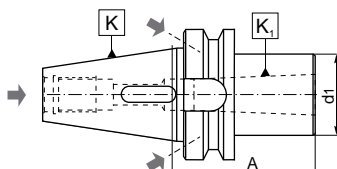
*only for tools with Morse taper and tang DIN 228-B shank
 tylko do narzędzi z chwytem Morse'a z płetwą wg DIN 228-B

Type 1661



REDUCING ADAPTERS for tools with Morse taper and tang DIN 228-B shank or for tools with Morse taper shank and drawbar thread DIN 228-A

TULEJE REDUKCYJNE do narzędzi z chwytem Morse'a z pletwą wg DIN 228-B lub do narzędzi z chwytem Morse'a z gwintem wg DIN 228-A



MAS 403-BT AD+B

Code No / Kod Nr	K 7:24	K1 Morse	A	d1
0642 116 615 223	40	2	50	32
0642 116 615 249		3*	70	40
0642 116 615 264		4*	95	48
0642 116 615 427	50	2	60	32
0642 116 615 442		3	65	40
0642 116 615 468		4	95	48
0642 116 615 483		5*	120	63

Typical order/Sposób zamawiania: 0642 116 615 483 lub 1661-50-5-120 AD+B

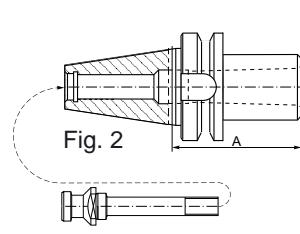
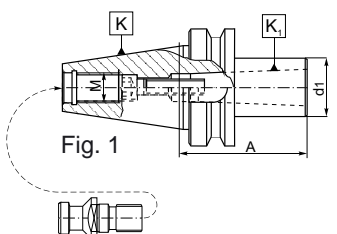
*only for tools with Morse taper and tang DIN 228-B shank
tylko do narzędzi z chwytem Morse'a z pletwą wg DIN 228-B

Type 1663



REDUCING ADAPTERS for tools with Morse taper shank and drawbar thread DIN 228-A

TULEJE REDUKCYJNE do narzędzi z chwytem Morse'a z gwintem wg DIN 228-A



MAS 403-BT

Code No / Kod Nr	K 7:24	K1 Morse	A	d1	M	Fig.	
0642 116 634 101	30	1	45	25	M12	1	W-1348/0
0642 116 634 203		2	60	32	—	2	—
0642 116 635 102	40	1	45	25	M16	1	W-1091/0
0642 116 635 204		2	60	32	M16	1	W-1092/0
0642 116 635 306		3	75	40	—	2	—
0642 116 635 408		4	85	48	—	2	—
0642 116 636 103	50	1	45	25	M24	1	W-1091/0
0642 116 636 205		2	45	32	M24	1	W-1095/0
0642 116 636 307		3	60	40	M24	1	W-1096/0
0642 116 636 409		4	75	48	M24	1	U-5984/0
0642 116 636 500		5	75	63	—	2	—

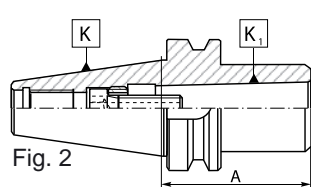
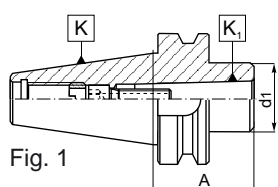
Typical order/Sposób zamawiania: 0642 116 615 483 lub 1661-50-5-120 AD+B

Type 1694



REDUCING ADAPTERS for tools with Morse taper shank and drawbar thread DIN 228-A

TULEJE REDUKCYJNE do narzędzi z chwytem Morse'a z gwintem wg DIN 228-A



MAS 403-BT AD

Code No / Kod Nr	K 7:24	K1 Morse	A	d1	Fig.	
0642 116 942 100	30	1	50	25	1	W-1091/0
0642 116 942 201		2	62	32	2	W-1095/0
0642 116 942 303		3	82	40	2	U-7790/0
0642 116 940 108	40	1	50	25	1	W-1091/0
0642 116 940 200		2	50	32	1	W-1092/0
0642 116 940 301		3	70	40	2	W-1093/0
0642 116 940 403		4	95	48	2	W-1094/0
0642 116 941 109	50	1	45	25	1	W-1091/0
0642 116 941 200		2	60	32	1	W-1095/0
0642 116 941 302		3	65	40	1	W-1096/0
0642 116 941 404		4	90	48	1	W-1097/0
0642 116 941 506		5	120	63	2	W-1098/0

Typical order/Sposób zamawiania: 0642 116 941 506 lub 1694-50-5-120

Type 1694



REDUCING ADAPTERS for tools with Morse taper shank and drawbar thread DIN 228-A

TULEJE REDUKCYJNE do narzędzi z chwytem Morse'a z gwintem gw. DIN 228-A

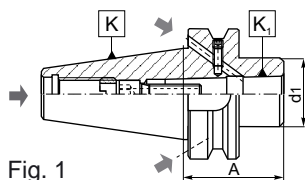


Fig. 1

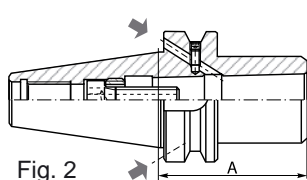


Fig. 2

MAS 403-BT AD+B

Code No / Kod Nr	K 7:24	K1 Morse	A	d1	Fig.	
0642 116 945 306	40	2	50	32	1	W-1092/0
0642 116 945 408		3	70	40	2	W-1093/0
0642 116 945 500		4	95	48	2	W-1094/0
0642 116 946 307	50	2	60	32	1	W-1095/0
0642 116 946 409		3	65	40	1	W-1096/0
0642 116 946 500		4	95	48	1	W-1097/0
0642 116 946 602		5	120	63	2	W-1098/0

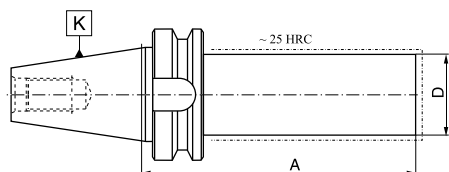
Typical order/Sposób zamawiania: 0642 116 946 602 lub 1694-50-5-120 AD+B

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Type 2192



BLANK ADAPTERS
TRZPIEŃ - PÓŁFABRYKAT



MAS 403-BT

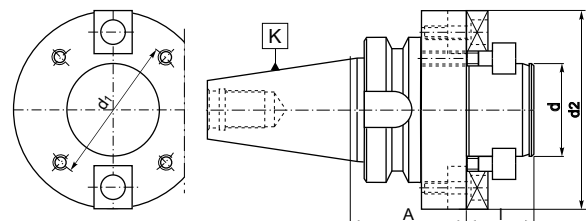
Code No / Kod Nr	K 7:24	D	A
0642 121 920 105	40	40	250
0642 116 920 207		40	280
0642 121 920 311		63	160
0642 121 920 118		63	250
0642 116 920 309		63	280
0642 121 920 400		80	270
0642 116 921 208	50	50	330
0642 116 921 300		80	330
0642 121 921 312		95	250
0642 121 921 338		95	315
0642 121 921 366		97	250
0642 121 921 381		97	315

Typical order/Sposób zamawiania: 0642 121 921 300 lub 2192-50-80-330

Type 2826



ADAPTERS for indexable milling cutters
TRZPIENIE FREZARSKIE do głowic frezarskich



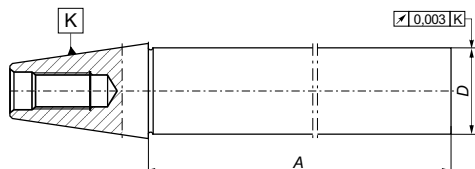
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Code No / Kod Nr	K 7:24	d	d1	d2	A	I		
0642 128 260 101	40	40	66,7	89	60	30	U-6064/0	U-1414/0
0642 128 260 000		60	101,6	129	60	40	U-6066/0	U-2042/0
0642 128 260 203	50	40	66,7	89	70	30	U-6064/0	U-1414/0
0642 128 260 305		60	101,6	129	80	40	U-6066/0	U-2042/0

Typical order/Sposób zamawiania: 0642 128 260 305 lub 2826-50-60

Type 2854

TEST ARBORS TRZPIENIE KONTROLNE



MAS 403-BT

Code No / Kod Nr	K 7:24	D	A
0642 128 541 006	40	40	300
0642 128 542 007	50	50	300

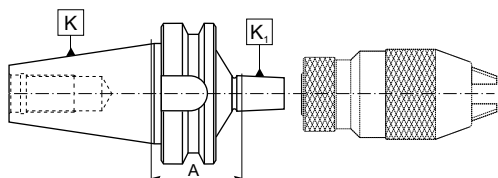
Typical order/Sposób zamawiania: 0642 128 541 006 lub 2854-40-40-300

2

Type 5373



DRILL CHUCK ADAPTERS for drill chucks taper DIN 238 or Jacobs taper TRZPIENIE do uchwytów wiertarskich ze stożkiem DIN 238 lub Jacobsa



MAS 403-BT

Code No / Kod Nr	K 7:24	K1 DIN/Jacobs	A
0642 128 736 103	30	B12	30
0642 128 736 205		B16	30
0642 128 733 100	40	B12	40
0642 128 733 600		B12	90
0642 128 733 304		B16	42
0642 128 733 701		B16	90
0642 128 733 508		B18	42
0642 128 733 803		B18	90
0642 128 734 305	50	B16	45
0642 128 735 306		B16	90
0642 128 734 509		B18	45
0642 128 735 500		B18	90
0642 128 737 807	30	J6	30
0642 128 738 400	40	J33	42
0642 128 738 808		J6	42
0642 128 739 401	50	J33	45
0642 128 739 809		J6	45

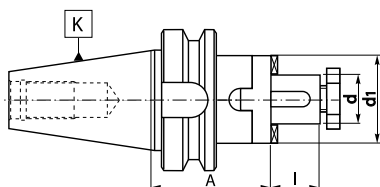
Typical order/Sposób zamawiania: 0642 153 735 500 or 5373-50-B18-90

Type 7361



COMBINATION SHELL MILL ADAPTERS for cutters with keyway or driving slot DIN 138

TRZPIENIE FREZARSKIE UNIWERSALNE do frezów z rowkiem wpustowym lub rowkiem zabierakowym w/g DIN 138



MAS 403-BT

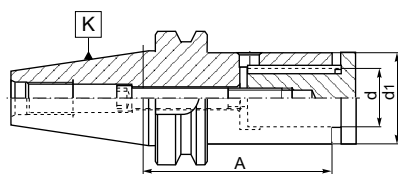
Code No / Kod Nr	K 7:24	d	A	I	d1			
0642 173 616 100	30	16	45	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 616 202		22	47	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 617 000	40	16	55	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 617 101		22	55	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 617 203		27	55	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 617 305		32	60	24	58	U-0623/0	U-1367/0	U-6355/0
0642 173 617 407		40	60	27	70	U-0624/0	U-1368/0	U-1359/0
0642 173 617 509	50	16	70	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 617 600		22	70	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 617 702		27	70	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 617 804		32	70	24	58	U-0623/0	U-1367/0	U-6355/0
0642 173 617 906		40	70	27	70	U-0624/0	U-1368/0	U-1359/0
0642 173 618 000		50	70	30	90	U-0625/0	U-1369/0	U-1360/0

Typical order/Sposób zamawiania: 0642 173 618 000 lub 7361-50-50-70

Type 7372



MILLING ARBORS for staggered tooth side milling cutters
TRZPIENIE FREZARSKIE do frezów tarczowych



MAS 403-BT

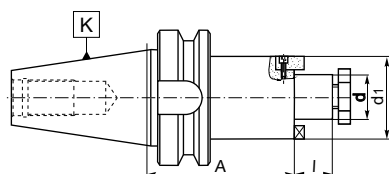
Code No / Kod Nr	K 7:24	d	d1	A	Capacity Zakres			
0642 173 721 000	40	16	29	95	0-10	U-6520/0	U-6510/0	U-6526/0
0642 173 721 101		16	29	125	0-16	U-6520/0	U-6511/0	U-6527/0
0642 173 721 203		22	36	95	0-10	U-6523/0	U-6512/0	U-6528/0
0642 173 721 305		22	36	125	0-20	U-6523/0	U-6513/0	U-6529/0
0642 173 721 407		27	42	95	0-10	U-6523/0	U-6514/0	U-6530/0
0642 173 721 509		27	42	125	0-20	U-6523/0	U-6515/0	U-6531/0
0642 173 721 600		32	50	95	0-10	U-6523/0	U-6516/0	U-6532/0
0642 173 721 702		32	50	125	0-20	U-6523/0	U-6517/0	U-6533/0
0642 173 722 000	50	22	36	100	0-10	U-6524/0	U-6512/0	U-6528/0
0642 173 722 102		22	36	125	0-20	U-6524/0	U-6513/0	U-6529/0
0642 173 722 204		27	42	100	0-10	U-6524/0	U-6514/0	U-6530/0
0642 173 722 306		27	42	125	0-20	U-6524/0	U-6515/0	U-6531/0
0642 173 722 408		32	50	100	0-10	U-6524/0	U-6516/0	U-6532/0
0642 173 722 500		32	50	125	0-20	U-6524/0	U-6517/0	U-6533/0
0642 173 722 601		40	58	100	0-10	U-6524/0	U-6518/0	U-6534/0
0642 173 722 703		40	58	125	0-20	U-6524/0	U-6519/0	U-6535/0

Typical order/Sposób zamawiania: 0642 173 722 703 or 7372-50-40-125

Type 7388



SHELL MILL ADAPTERS for cutters with driving slot DIN 138
TRZPIENIE FREZARSKIE ZABIERAKOWE do frezów z rowkiem zabierakowym w/g DIN 138



MAS 403-BT

Code No / Kod Nr	K 7:24	d	A	I	d1		
0642 173 883 100	30	16	43	17	32	U-0620/0	S-2117/0
0642 173 883 201		22	43	19	40	U-0621/0	S-2121/0
0642 173 883 303		27	43	21	48	U-0622/0	S-2111/0
0642 173 883 405		32	45	24	58	U-0623/0	S-2114/0
0642 173 880 107	40	16	52	17	32	U-0620/0	S-2117/0
0642 173 880 606		16	120	17	32	U-0620/0	S-2117/0
0642 173 880 209		22	52	19	40	U-0621/0	S-2121/0
0642 173 880 708		22	120	19	40	U-0621/0	S-2121/0
0642 173 880 300		27	52	21	48	U-0622/0	S-2111/0
0642 173 880 800		27	120	21	48	U-0622/0	S-2111/0
0642 173 880 402		32	52	24	58	U-0623/0	S-2114/0
0642 173 880 901		32	120	24	58	U-0623/0	S-2114/0
0642 173 880 504		40	60	27	70	U-0624/0	S-2124/0
0642 173 881 108	50	16	65	17	32	U-0620/0	S-2117/0
0642 173 881 709		16	110	17	32	U-0620/0	S-2117/0
0642 173 881 200		22	65	19	40	U-0621/0	S-2121/0
0642 173 881 800		22	110	19	40	U-0621/0	S-2121/0
0642 173 881 301		27	65	21	48	U-0622/0	S-2111/0
0642 173 881 902		27	110	21	48	U-0622/0	S-2111/0
0642 173 881 403		32	65	24	58	U-0623/0	S-2114/0
0642 173 882 109		32	110	24	58	U-0623/0	S-2114/0
0642 173 881 505		40	78	27	70	U-0624/0	S-2124/0
0642 173 882 200		40	110	27	70	U-0624/0	S-2124/0
0642 173 881 607		50	78	30	90	U-0625/0	S-5974/0

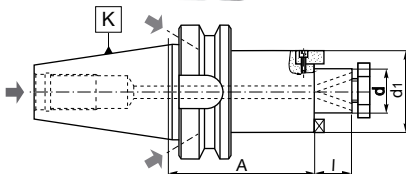
Typical order/Sposób zamawiania: 0642 173 881 607 lub 7388-50-50-78

Type 7388



SHELL MILL ADAPTERS for cutters with driving slot DIN 138

TRZPIENIE FREZARSKIE ZABIERAKOWE do frezów z rowkiem zabierakowym w/g DIN 138



Code No / Kod Nr	K 7:24	d	A	I	d1		
0642 173 887 103	40	16	45	17	38	U-0620/0	W-1945/0
0642 173 887 129		16	100	17	38	U-0620/0	W-1945/0
0642 173 887 144		16	130	17	38	U-0620/0	W-1945/0
0642 173 887 160		16	160	17	38	U-0620/0	W-1945/0
0642 173 887 185		22	45	19	48	U-0621/0	W-1946/0
0642 173 887 205		22	100	19	48	U-0621/0	W-1946/0
0642 173 887 220		22	130	19	48	U-0621/0	W-1946/0
0642 173 887 246		22	160	19	48	U-0621/0	W-1946/0
0642 173 887 261		27	50	21	58	U-0622/0	W-1947/0
0642 173 887 287		27	100	21	58	U-0622/0	W-1947/0
0642 173 887 307		27	130	21	58	U-0622/0	W-1947/0
0642 173 887 322		27	160	21	58	U-0622/0	W-1947/0
0642 173 887 348		32	55	24	66	U-0623/0	W-1948/0
0642 173 887 363		32	100	24	66	U-0623/0	W-1948/0
0642 173 887 389		32	130	24	66	U-0623/0	W-1948/0
0642 173 887 409		32	160	24	66	U-0623/0	W-1948/0

Type 7624



END MILL ADAPTERS for cutters with cylindrical shank and weldon flat DIN 1835-B

OPRAWKI ZACISKOWE do narzędzi z chwytem walcowym Weldon'a DIN 1835-B

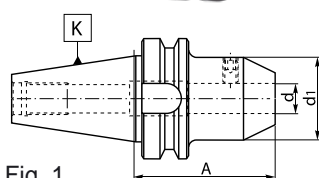


Fig. 1

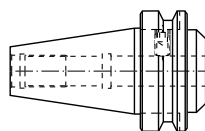


Fig. 3

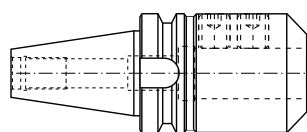


Fig. 2

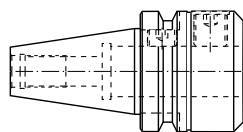


Fig. 4

Code No / Kod Nr	K 7:24	d	A	d1	Fig.	
0642 176 242 203	30	6	50	25	1	U-4131/0
0642 176 242 305		8	50	28	1	U-4132/0
0642 176 242 407		10	50	35	1	U-4133/0
0642 176 242 509		12	50	42	1	U-4134/0
0642 176 242 600		16	63	48	1	U-4135/0
0642 176 242 702		20	63	52	1	U-4136/0

MAS 403-BT AD+B

Code No / Kod Nr	K 7:24	d	A	I	d1		
0642 173 887 424		40	60	27	80	U-0624/0	W-1949/0
0642 173 887 440		40	100	27	80	U-0624/0	W-1949/0
0642 173 887 424		40	60	27	80	U-0624/0	W-1949/0
0642 173 887 440		40	100	27	80	U-0624/0	W-1949/0
0642 173 888 104	50	16	55	17	38	U-0620/0	W-1945/0
0642 173 888 120		16	100	17	38	U-0620/0	W-1945/0
0642 173 888 145		16	130	17	38	U-0620/0	W-1945/0
0642 173 888 160		16	160	17	38	U-0620/0	W-1945/0
0642 173 888 186		16	200	17	38	U-0620/0	W-1945/0
0642 173 888 206		22	55	19	48	U-0621/0	W-1946/0
0642 173 888 221		22	100	19	48	U-0621/0	W-1946/0
0642 173 888 247		22	130	19	48	U-0621/0	W-1946/0
0642 173 888 262		22	160	19	48	U-0621/0	W-1946/0
0642 173 888 288		22	200	19	48	U-0621/0	W-1947/0
0642 173 888 308		27	60	21	58	U-0622/0	W-1947/0
0642 173 888 323		27	100	21	58	U-0622/0	W-1947/0
0642 173 888 349		27	130	21	58	U-0622/0	W-1947/0
0642 173 888 364		27	160	21	58	U-0622/0	W-1947/0
0642 173 888 380		27	200	21	58	U-0622/0	W-1947/0
0642 173 888 400		32	65	24	66	U-0623/0	W-1948/0
0642 173 888 425		32	100	24	66	U-0623/0	W-1948/0
0642 173 888 440		32	130	24	66	U-0623/0	W-1948/0
0642 173 888 466		32	160	24	66	U-0623/0	W-1948/0
0642 173 888 481		32	200	24	66	U-0623/0	W-1948/0
0642 173 888 501		40	70	27	80	U-0624/0	W-1949/0
0642 173 888 527		40	100	27	80	U-0624/0	W-1949/0
0642 173 888 542		40	130	27	80	U-0624/0	W-1949/0
0642 173 888 568		40	160	27	80	U-0624/0	W-1949/0
0642 173 888 583		40	200	27	80	U-0624/0	W-1949/0
0642 173 888 603		50	70	30	90	U-0625/0	U-5974/0
0642 173 888 629		50	100	30	90	U-0625/0	U-5974/0
0642 173 888 644		50	130	30	90	U-0625/0	U-5974/0
0642 173 888 660		50	160	30	90	U-0625/0	U-5974/0
0642 173 888 685		50	200	30	90	U-0625/0	U-5974/0

Typical order/Sposób zamawiania: 0642 173 888 685 or 7388-50-50-200 AD+B

MAS 403-BT

Code No / Kod Nr	K 7:24	d	A	d1	Fig.	
0642 176 243 204	40	6	35	25	3	U-4131/0
0642 176 240 100		6	50	25	1	U-4131/0
0642 176 243 306		8	35	28	3	U-4132/0
0642 176 240 201		8	50	28	1	U-4132/0
0642 176 243 408		10	37	35	3	U-4133/0
0642 176 240 303		10	63	35	1	U-4133/0
0642 176 243 500		12	37	42	3	U-4134/0
0642 176 240 405		12	63	42	1	U-4134/0
0642 176 243 512		14	37	44	3	U-4134/0
0642 176 243 525		14	63	44	1	U-4134/0
0642 176 243 601		16	37	48	3	U-4135/0
0642 176 240 507		16	63	48	1	U-4135/0
0642 176 243 703		20	37	50	3	U-6756/0
0642 176 240 609		20	63	50	1	U-4136/0
0642 176 243 805		25	60	63	4	U-4137/0 U-6755/0
0642 176 240 700		25	90	63	2	U-4137/0 U-4137/0
0642 176 243 907		32	65	72	4	U-4138/0 U-6755/0
0642 176 240 802		32	100	72	2	U-4138/0 U-4138/0
0642 176 241 100	50	6	63	25	1	U-4131/0
0642 176 241 202		8	63	28	1	U-4132/0
0642 176 241 304		10	63	35	1	U-4133/0
0642 176 241 406		12	80	42	1	U-4134/0
0642 176 244 307		14	80	44	1	U-4134/0
0642 176 241 508		16	80	48	1	U-4135/0
0642 176 244 409		20	40	52	3	U-4136/0
0642 176 241 600		20	80	52	1	U-4136/0
0642 176 244 500		25	60	63	4	U-4137/0 U-4137/0
0642 176 241 701		25	100	63	2	U-4137/0 U-4137/0
0642 176 244 602		32	70	72	4	U-4138/0 U-4138/0
0642 176 241 803		32	105	72	2	U-4138/0 U-4138/0
0642 176 241 905		40	120	90	2	U-5870/0 U-5870/0
0642 176 242 101		50	130	100	2	U-4139/0 U-4139/0

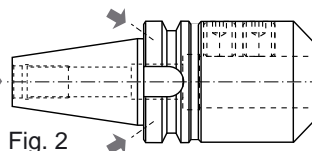
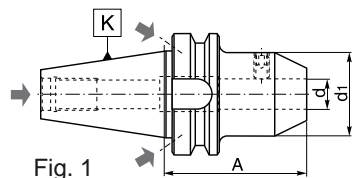
Typical order/Sposób zamawiania: 0642 176 242 101 lub 7624-50-50-130

Type 7624


MAS 403-BT AD+B

END MILL ADAPTERS for cutters with cylindrical shank and weldon
flat DIN 1835-B

OPRAWKI ZACISKOWE do narzędzi z chwytem walcowym Weldon'a DIN 1835-B



Code No / Kod Nr	K 7:24	d	A	d1	Fig.	
0642 176 248 300	40	6	50	25,0	1	U-4131/0
0642 176 248 313		6	100	25,0	1	U-4131/0
0642 176 248 326		6	130	25,0	1	U-4131/0
0642 176 248 339		6	160	25,0	1	U-4131/0
0642 176 248 341		6	200	25,0	1	U-4131/0
0642 176 248 354		8	50	28,0	1	U-4132/0
0642 176 248 367		8	100	28,0	1	U-4132/0
0642 176 248 370		8	130	28,0	1	U-4132/0
0642 176 248 382		8	160	28,0	1	U-4132/0
0642 176 248 395		8	200	28,0	1	U-4132/0
0642 176 248 402		10	60	35,0	1	U-4133/0
0642 176 248 415		10	100	35,0	1	U-4133/0
0642 176 248 428		10	130	35,0	1	U-4133/0
0642 176 248 430		10	160	35,0	1	U-4133/0
0642 176 248 443		10	200	35,0	1	U-4133/0
0642 176 248 456		12	60	42,0	1	U-4134/0
0642 176 248 469		12	100	42,0	1	U-4134/0
0642 176 248 471		12	130	42,0	1	U-4134/0
0642 176 248 484		12	160	42,0	1	U-4134/0
0642 176 248 497		12	200	42,0	1	U-4134/0
0642 176 248 504		14	60	44,0	1	U-4134/0
0642 176 248 517		14	100	44,0	1	U-4134/0
0642 176 248 520		14	130	44,0	1	U-4134/0
0642 176 248 532		14	160	44,0	1	U-4134/0
0642 176 248 545		14	200	44,0	1	U-4134/0
0642 176 248 558		16	63	48,0	1	U-4135/0
0642 176 248 560		16	100	48,0	1	U-4135/0
0642 176 248 573		16	130	48,0	1	U-4135/0
0642 176 248 586		16	160	48,0	1	U-4135/0
0642 176 248 599		16	200	48,0	1	U-4135/0
0642 176 248 606		18	63	49,5	1	U-4135/0
0642 176 248 619		18	100	49,5	1	U-4135/0
0642 176 248 621		18	130	49,5	1	U-4135/0
0642 176 248 634		18	160	49,5	1	U-4135/0
0642 176 248 647		18	200	49,5	1	U-4135/0
0642 176 248 650		20	63	49,5	1	U-4136/0
0642 176 248 662		20	100	49,5	1	U-4136/0
0642 176 248 675		20	130	49,5	1	U-4136/0
0642 176 248 688		20	160	49,5	1	U-4136/0
0642 176 248 690		20	200	49,5	1	U-4136/0
0642 176 248 708		25	100	63,0	2	U-4137/0 U-4137/0
0642 176 248 710		25	130	63,0	2	U-4137/0 U-4137/0
0642 176 248 723		25	160	63,0	2	U-4137/0 U-4137/0
0642 176 248 736		25	200	63,0	2	U-4137/0 U-4137/0
0642 176 248 749		32	100	72,0	2	U-4138/0 U-4138/0
0642 176 248 751		32	130	72,0	2	U-4138/0 U-4138/0
0642 176 248 764		32	160	72,0	2	U-4138/0 U-4138/0
0642 176 248 777		32	200	72,0	2	U-4138/0 U-4138/0

Code No / Kod Nr	K 7:24	d	A	d1	Fig.	
0642 176 249 108	50	6	63	25,0	1	U-4131/0
0642 176 249 110		6	100	25,0	1	U-4131/0
0642 176 249 123		6	130	25,0	1	U-4131/0
0642 176 249 136		6	160	25,0	1	U-4131/0
0642 176 249 149		6	200	25,0	1	U-4131/0
0642 176 249 151		8	63	28,0	1	U-4132/0
0642 176 249 164		8	100	28,0	1	U-4132/0
0642 176 249 177		8	130	28,0	1	U-4132/0
0642 176 249 180		8	160	28,0	1	U-4132/0
0642 176 249 192		8	200	28,0	1	U-4132/0
0642 176 249 200		10	70	35,0	1	U-4133/0
0642 176 249 212		10	100	35,0	1	U-4133/0
0642 176 249 225		10	130	35,0	1	U-4133/0
0642 176 249 238		10	160	35,0	1	U-4133/0
0642 176 249 240		10	200	35,0	1	U-4133/0
0642 176 249 253		12	80	42,0	1	U-4134/0
0642 176 249 266		12	100	42,0	1	U-4134/0
0642 176 249 279		12	130	42,0	1	U-4134/0
0642 176 249 281		12	160	42,0	1	U-4134/0
0642 176 249 294		12	200	42,0	1	U-4134/0
0642 176 249 301		14	80	44,0	1	U-4134/0
0642 176 249 314		14	100	44,0	1	U-4134/0
0642 176 249 327		14	130	44,0	1	U-4134/0
0642 176 249 330		14	160	44,0	1	U-4134/0
0642 176 249 342		14	200	44,0	1	U-4134/0
0642 176 249 355		16	80	48,0	1	U-4135/0
0642 176 249 368		16	100	48,0	1	U-4135/0
0642 176 249 370		16	130	48,0	1	U-4135/0
0642 176 249 383		16	160	48,0	1	U-4135/0
0642 176 249 396		16	200	48,0	1	U-4135/0
0642 176 249 403		18	80	50,0	1	U-4135/0
0642 176 249 416		18	100	50,0	1	U-4135/0
0642 176 249 429		18	130	50,0	1	U-4135/0
0642 176 249 431		18	160	50,0	1	U-4135/0
0642 176 249 444		18	200	50,0	1	U-4135/0
0642 176 249 457		20	80	52,0	1	U-4136/0
0642 176 249 460		20	100	52,0	1	U-4136/0
0642 176 249 472		20	130	52,0	1	U-4136/0
0642 176 249 485		20	160	52,0	1	U-4136/0
0642 176 249 498		20	200	52,0	1	U-4136/0
0642 176 249 505		25	100	65,0	2	U-4137/0 U-4137/0
0642 176 249 518		25	130	65,0	2	U-4137/0 U-4137/0
0642 176 249 520		25	160	65,0	2	U-4137/0 U-4137/0
0642 176 249 533		25	200	65,0	2	U-4137/0 U-4137/0
0642 176 249 546		32	105	72,0	2	U-4138/0 U-4138/0
0642 176 249 559		32	130	72,0	2	U-4138/0 U-4138/0
0642 176 249 561		32	160	72,0	2	U-4138/0 U-4138/0
0642 176 249 574		32	200	72,0	2	U-4138/0 U-4138/0
0642 176 249 587		40	120	90,0	2	U-5870/0 U-5870/0
0642 176 249 590		40	160	90,0	2	U-5870/0 U-5870/0
0642 176 249 607		40	200	90,0	2	U-5870/0 U-5870/0

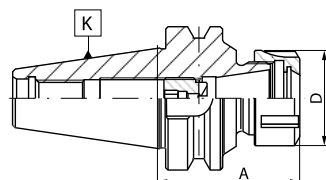
Typical order/Sposób zamawiania: 0642 176 248 607 lub 7624-50-40-200 AD+B

Type 7626



COLLET CHUCKS ER for tool with cylindrical shank

OPRAWKI ZACISKOWE (do tulejek ER DIN 6499) do narzędzi z chwytem walcowym



MAS 403-BT

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	D		
0642 176 263 302	30	ER16	60	2-10	32	9833-16	M10x11LH
0642 176 264 100		ER25	60	2-16	42	9833-25	M18x1,5x19LH
0642 176 263 007		ER32	60	2-20	50	9833-32	M18x1,5x19LH
0642 176 260 967	40	ER16	60	2-10	32	9833-16	M12x1,5x14LH
0642 176 260 004		ER25	60	2-16	42	9833-25	M18x1,5x19LH
0642 176 260 300		ER32	70	2-20	50	9833-32	M22x1,5x24LH
0642 176 261 300		ER32	130	2-20	50	9833-32	M22x1,5x24LH
0642 176 260 900		ER40	70	2-26	63	9833-40	M28x1,5x30LH
0642 176 260 926		ER40	80	2-26	63	9833-40	M28x1,5x30LH
0642 176 261 402	50	ER32	70	2-20	50	9833-32	M22x1,5x24LH
0642 176 261 901		ER32	130	2-20	50	9833-32	M22x1,5x24LH
0642 176 262 006		ER40	80	2-26	63	9833-40	M28x1,5x30LH
0642 176 262 505		ER40	130	2-26	63	9833-40	M28x1,5x30LH

Typical order/Sposób zamawiania: 0642 176 262 505 lub 7626-50-40-130

Standard accessories:

Nut - page 121
screw

Optional accessories:

Collets - page 107
wrench - page 121

Wyposażenie podstawowe:

Nakrętka - str. 121
wkreć

Wyposażenie dodatkowe:

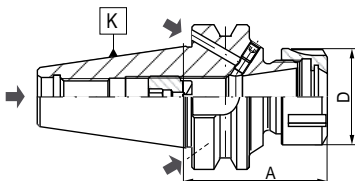
Tulejki zaciskowe - str. 107
klucz - str. 121

Type 7626



COLLET CHUCKS ER for tool with cylindrical shank

OPRAWKI ZACISKOWE (do tulejek ER DIN 6499) do narzędzi z chwytem walcowym



MAS 403-BT AD+B

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	D		
0642 176 268 348	40	ER16	60	2-10	32	9833-16	M12x1,5x14LH
0642 176 268 465		ER25	60	2-16	42	9833-25	M18x1,5x19LH
0642 176 268 500		ER32	70	2-20	50	9833-32	M22x1,5x24LH
0642 176 268 541		ER32	160	2-20	50	9833-32	M22x1,5x24LH
0642 176 268 567		ER40	70	2-26	63	9833-40	M28x1,5x30LH
0642 176 268 669	50	ER32	70	2-20	50	9833-32	M22x1,5x24LH
0642 176 268 745		ER32	160	2-20	50	9833-32	M22x1,5x24LH
0642 176 268 786		ER40	80	2-26	63	9833-40	M28x1,5x30LH
0642 176 268 821		ER40	160	2-26	63	9833-40	M28x1,5x30LH

Typical order/Sposób zamawiania: 0642 176 268 821 lub 7626-50-40-160 AD+B

Standard accessories:

Nut - page 121
screw

Optional accessories:

Collets - page 107
wrench - page 121

Wyposażenie podstawowe:

Nakrętka - str. 121
wkreć

Wyposażenie dodatkowe:

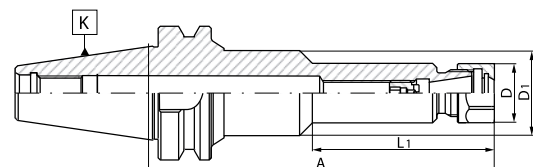
Tulejki zaciskowe - str. 107
klucz - str. 121

Type 7626-S



COLLET CHUCKS ER for tool with cylindrical shank

OPRAWKI ZACISKOWE (do tulejek ER DIN 6499) do narzędzi z chwytem walcowym



MAS 403-BT

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	L1	D	D1		
0642 176 265 126	40	ER16	100	2-10	—	28	—	9833-16D	M12x1,5x14LH
0642 176 265 228		ER16	150	2-10	85	28	40	9833-16D	M12x1,5x14LH
0642 176 265 523	50	ER16	100	2-10	—	28	—	9833-16D	M12x1,5x14LH
0642 176 265 625		ER16	150	2-10	85	28	40	9833-16D	M12x1,5x14LH

Typical order/Sposób zamawiania: 0642 176 265 625 lub 7626-50-16-150 S

Standard accessories:

Nut - page 121
screw

Optional accessories:

Collets - page 107
wrench - page 121

Wyposażenie podstawowe:

Nakrętka - str. 121
wkreć

Wyposażenie dodatkowe:

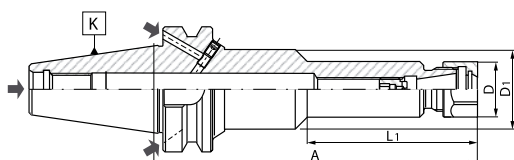
Tulejki zaciskowe - str. 107
klucz - str. 121

Type 7626-S



COLLET CHUCKS ER for tool with cylindrical shank

OPRAWKI ZACISKOWE (do tulejek ER DIN 6499) do narzędzi z chwytem walcowym



Type 7626



COLLET CHUCKS ER - SET for tool with cylindrical shank

OPRAWKI ZACISKOWE ER - KOMPLET do narzędzi z chwytem walcowym



MAS 403-BT AD+B

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	L1	D	D1		
0642 176 268 389	40	ER16	100	2-10	—	28	—	9833-16D	M12x1,5x14LH
0642 176 268 424		ER16	160	2-10	86	28	40	9833-16D	M12x1,5x14LH
0642 176 268 582	50	ER16	100	2-10	—	28	—	9833-16D	M12x1,5x14LH
0642 176 268 628		ER16	160	2-10	86	28	40	9833-16D	M12x1,5x14LH

Typical order/Sposób zamawiania: 0642 176 268 628 lub 7626-50-16-160 S AD+B

Standard accessories:

Nut - page 121
screw

Optional accessories:

Collets - page 107
wrench - page 121

Wyposażenie podstawowe:

Nakrętka - str. 121
wkreć

Wyposażenie dodatkowe:

Tulejki zaciskowe - str. 107
klucz - str. 121

MAS 403-BT AD

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	Full set pieces Ilość tulejek
0642 176 263 404	30	ER16	60	2-10	8
0642 176 263 109		ER32	60	2-20	18
0642 176 260 106	40	ER25	60	2-16	14
0642 176 260 401		ER32	70	2-20	18
0642 176 261 107		ER32	130	2-20	18
0642 176 260 707		ER40	70	2-26	24
0642 176 261 504	50	ER32	70	2-20	18
0642 176 261 708		ER32	130	2-20	18
0642 176 262 108		ER40	80	2-26	24
0642 176 262 301		ER40	130	2-26	24

Type 7626-S

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	Full set pieces Ilość tulejek
0642 176 265 100	40	ER16	100	2-10	8
0642 176 265 202		ER16	150	2-10	8
0642 176 265 508	50	ER16	100	2-10	8
0642 176 265 600		ER16	150	2-10	8

Type 7626-PL

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	Full set pieces Ilość tulejek
0642 176 263 111	30	ER32	60	3-20	8
		Tulejki Ø 4,5,6,8,10,12,16,20			
0642 176 260 516	40	ER32	70	3-20	8
		Tulejki Ø 4,5,6,8,10,12,16,20			
0642 176 261 517	50	ER32	70	3-20	8
		Tulejki Ø 4,5,6,8,10,12,16,20			

Type 7629



END MILL ADAPTERS TYPE WHISTLE-NOTCH for tools with cylindrical shank and inclined flat DIN 1835-E

OPRAWKI ZACISKOWE TYPU WHISTLE-NOTCH do narzędzi z chwytem walcowym ze spłaszczeniem klinowym DIN 1835-E

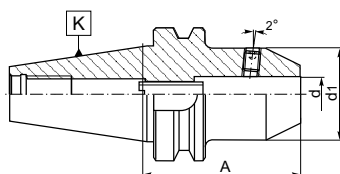


Fig. 1

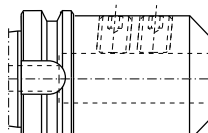


Fig. 2

MAS 403-BT AD

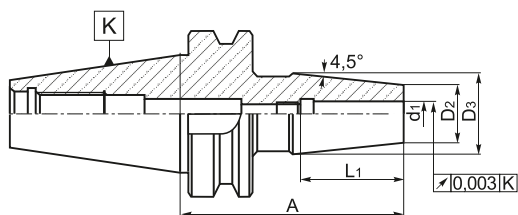
Code No / Kod Nr	K 7:24	d	d1	A	Fig.		
0642 176 290 009	40	6	25	50	1	U-4131/0	U-1599/0
0642 176 290 100		8	28	50	1	U-4132/0	U-6317/0
0642 176 290 202		10	35	63	1	U-4133/0	U-0293/0
0642 176 290 304		12	42	63	1	U-4134/0	U-0757/0
0642 176 290 406		14	44	63	1	U-4135/0	U-6318/0
0642 176 290 508		16	48	63	1	U-4135/0	U-6318/0
0642 176 290 600		18	50	63	1	U-4136/0	U-6793/0
0642 176 290 701		20	52	63	1	U-4136/0	U-6793/0
0642 176 290 803		25	65	90	2	U-4137/0 U-4137/0	U-6794/0
0642 176 290 905		32	72	100	2	U-4138/0 U-4138/0	U-6794/0
0642 176 291 000	50	6	25	63	1	U-4131/0	U-1599/0
0642 176 291 101		8	28	63	1	U-4132/0	U-6317/0
0642 176 291 203		10	35	65	1	U-4133/0	U-0293/0
0642 176 291 305		12	42	80	1	U-4134/0	U-0757/0
0642 176 291 407		14	44	80	1	U-4135/0	U-6318/0
0642 176 291 509		16	48	80	1	U-4135/0	U-6318/0
0642 176 291 600		18	50	80	1	U-4136/0	U-6793/0
0642 176 291 702		20	52	80	1	U-4136/0	U-6793/0
0642 176 291 804		25	65	100	2	U-4137/0 U-4137/0	U-6794/0
0642 176 291 906		32	72	105	2	U-4138/0 U-4138/0	U-6794/0
0642 176 292 102		40	90	120	2	U-5870/0 U-5870/0	U-6794/0

Typical order/Sposób zamawiania: 0642 176 292 102 or 7629-50-40-120

Type 7632

SHRINK FIT HOLDERS

OPRAWKA FREZARSKA z termicznym mocowaniem narzędzi



MAS 403-BT

Code No / Kod Nr	K	d1	A	L1	D2	D3
0642 176 320 009	40	3	80	36	10	18
0642 176 321 000		3	120	36	10	18
0642 176 322 000		3	160	36	10	18
0642 176 320 037		4	80	36	10	18
0642 176 321 038		4	120	36	10	18
0642 176 322 039		4	160	36	10	18
0642 176 320 065		5	80	36	10	18
0642 176 321 066		5	20	36	10	18
0642 176 322 067		5	160	36	10	18
0642 176 320 100		6	90	36	21	27
0642 176 321 101		6	120	36	21	27
0642 176 322 102		6	160	36	21	27
0642 176 320 154		8	90	36	21	27
0642 176 321 155		8	120	36	21	27
0642 176 322 156		8	160	36	21	27
0642 176 320 202		10	90	42	24	32
0642 176 321 203		10	120	42	24	32
0642 176 322 204		10	160	42	24	32
0642 176 320 256		12	90	47	24	32
0642 176 321 257		12	120	47	24	32
0642 176 322 258		12	160	47	24	32
0642 176 320 284		14	90	47	27	34
0642 176 321 285		14	120	47	27	34
0642 176 322 286		14	160	47	27	34
0642 176 320 304		16	90	50	27	34
0642 176 321 305		16	120	50	27	34
0642 176 322 306		16	160	50	27	34
0642 176 320 332		18	90	50	33	42
0642 176 321 333		18	120	50	33	42
0642 176 322 334		18	160	50	33	42
0642 176 320 358		20	90	52	33	42
0642 176 321 359		20	120	52	33	42
0642 176 322 350		20	160	52	33	42
0642 176 320 406		25	100	58	44	53
0642 176 321 407		25	120	58	44	53
0642 176 322 408		25	160	58	44	53
0642 176 320 450		32	100	58	44	53
0642 176 320 508	50	6	100	36	21	27
0642 176 320 551		8	100	36	21	27
0642 176 320 600		10	100	42	24	32
0642 176 320 653		12	100	47	24	32
0642 176 320 681		14	100	47	27	44
0642 176 320 701		16	100	50	27	44
0642 176 320 730		18	100	50	33	42
0642 176 320 755		20	100	52	33	42
0642 176 320 803		25	110	58	44	53
0642 176 320 857		32	110	58	44	53

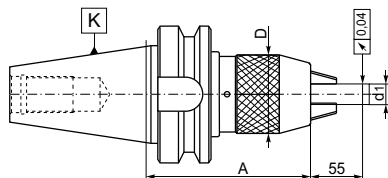
Typical order/Sposób zamawiania: 0642 176 320 508 or 7632-50-6-100

Type 7656



KEYLESS DRILL CHUCKS with shank

OPRAWKA z uchwytem wiertarskim bezkluczykowym



MAS 403-BT

Code No / Kod Nr	K 7:24	d1	A	D
0642 176 560 403	40	1-13	95	50
0642 176 560 444		3-16	100	57
0642 176 560 505	50	1-13	105	50
0642 176 560 546		3-16	110	57

Typical order/Sposób zamawiania: 0642 176 560 546 lub 7656-50-16-110

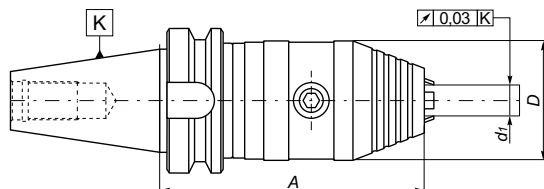
Standard accessories:
wrench

Wyposażenie podstawowe:
klucz

Type 7661

DRILL CHUCKS with exag-key lock system

OPRAWKA z uchwytem wiertarskim kluczykowym



MAS 403-BT AD

Code No/Kod Nr	K 7:24	d1	A	D
0642 176 610 206	40	1-13	113	50
0642 176 610 308		3-16	113	50
0642 176 611 207	50	1-13	124	50
0642 176 611 309		3-16	124	50

Typical order/Sposób zamawiania: 0642 176 610 206 lub 7661-40-13-113

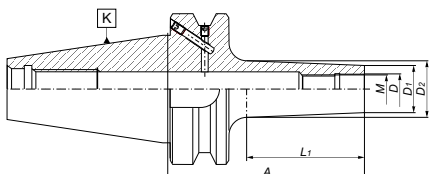
Standard accessories:
wrench

Wyposażenie podstawowe:
klucz

Type 7668

ADAPTERS for screw in type mills

OPRAWKA do frezów wkręcanych



MAS 403-BT AD+B

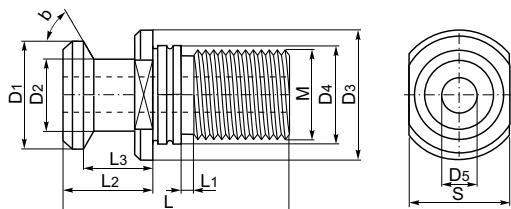
Code No/Kod Nr	K 7:24	M	A	D	D1	D2	L1
0642 176 683 104	40	M8	63	8,5	13	15	30
0642 176 683 206		M8	83	8,5	13	23	50
0642 176 683 308		M8	103	8,5	13	23	70
0642 176 683 400		M8	123	8,5	13	25	90
0642 176 684 105		M10	63	10,5	18	20	30
0642 176 684 207		M10	83	10,5	18	25	50
0642 176 684 309		M10	103	10,5	18	28	70
0642 176 684 400		M10	123	10,5	18	28	90
0642 176 685 106		M12	63	12,5	21	24	30
0642 176 685 208		M12	83	12,5	21	24	50
0642 176 685 300		M12	103	12,5	21	31	70
0642 176 685 401		M12	123	12,5	21	31	90
0642 176 686 107		M16	63	17	29	34	30
0642 176 686 209		M16	83	17	29	34	50
0642 176 686 300		M16	103	17	29	34	70
0642 176 686 402		M16	123	17	29	39	90
0642 176 686 504		M16	153	17	29	39	120
0642 176 687 108	50	M12	104	12,5	21	39	60
0642 176 687 200		M12	154	12,5	21	39	110
0642 176 688 109		M16	104	17	29	36	60
0642 176 688 200		M16	154	17	29	40	110

Typical order/Sposób zamawiania: 0642 176 688 200 lub 7668-50-M16-154

Type 9883

PULL STUDS to MAS 403-BT

KOŃCÓWKI do MAS 403-BT



MAS 403-BT A

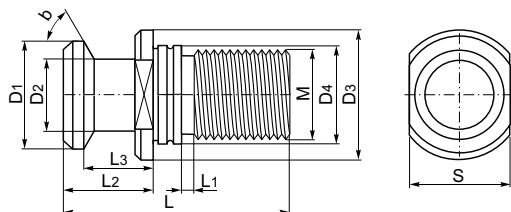
Code No / Kod Nr	Size Wielkość	L	b	M	L1	L2	L3	D1	D2	D3	D4	D5	S
0642 198 835 500	40	60	45°	M16	4	35	28	15	10	23	17	4	19
0642 198 836 501		60	60°	M16	4	35	28	15	10	23	17	4	19
0642 198 837 309		60	90°	M16	4	35	28	15	10	23	17	4	19
0642 198 835 602	50	85	45°	M24	8	45	35	23	17	38	25	6	30
0642 198 836 603		85	60°	M24	8	45	35	23	17	38	25	6	30
0642 198 837 706		85	90°	M24	8	45	35	23	17	38	25	6	30

Typical order/Sposób zamawiania: 0642 198 837 706 lub 9883-50-85-90 A

Type 9883

PULL STUDS to MAS 403-BT

KOŃCÓWKI do MAS 403-BT



MAS 403-BT B

Code No / Kod Nr	Size Wielkość	L	b	M	L1	L2	L3	D1	D2	D3	D4	S
0642 198 830 302	30	43	45°	M12	2	23	18	11	7	16,5	12,5	13
0642 198 831 303		43	60°	M12	2	23	18	11	7	16,5	12,5	13
0642 198 830 506	40	60	45°	M16	4	35	28	15	10	23	17	19
0642 198 831 507		60	60°	M16	4	35	28	15	10	23	17	19
0642 198 832 304		60	90°	M16	4	35	28	15	10	23	17	19
0642 198 830 534		120	45°	M12	64	35	28	15	10	23	17	19
0642 198 831 535		120	60°	M12	64	35	28	15	10	23	17	19
0642 198 832 406		120	90°	M12	64	35	28	15	10	23	17	19
0642 198 830 547		125	45°	M16	69	35	28	15	10	23	17	19
0642 198 831 548		125	60°	M16	69	35	28	15	10	23	17	19
0642 198 832 508		125	90°	M16	69	35	28	15	10	23	17	19
0642 198 830 608	50	85	45°	M24	8	45	35	23	17	38	25	30
0642 198 831 609		85	60°	M24	8	45	35	23	17	38	25	30
0642 198 832 701		85	90°	M24	8	45	35	23	17	38	25	30
0642 198 830 636		125	45°	M24	48	45	35	23	17	38	25	30
0642 198 831 637		125	60°	M24	48	45	35	23	17	38	25	30
0642 198 832 803		125	90°	M24	48	45	35	23	17	38	25	30

Typical order/Sposób zamawiania: 0642 198 832 803 lub 9883-50-125-90 B