

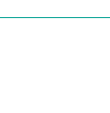
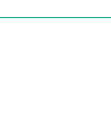











"ZM KOLNO" S.A.






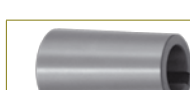


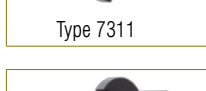


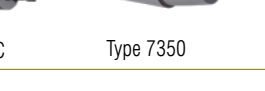





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www.zmkolno.pl




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DIN 1835



Type 1875



Type 5348

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Type 7622



Type 7812

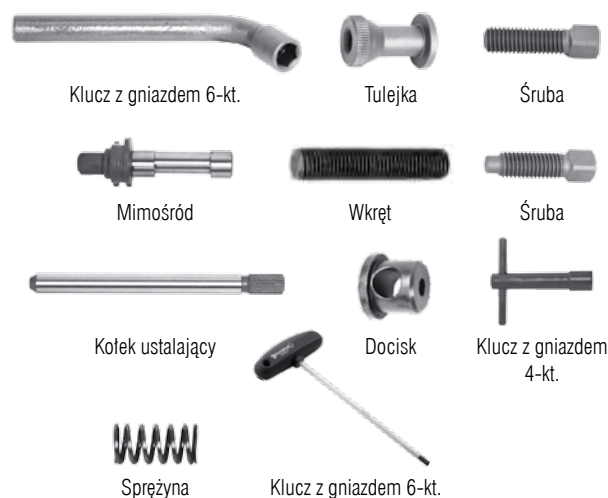


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SPARE PARTS FOR TOOLPOST CZĘŚCI ZAMIENNE DO IMAKA TOKARSKIEGO



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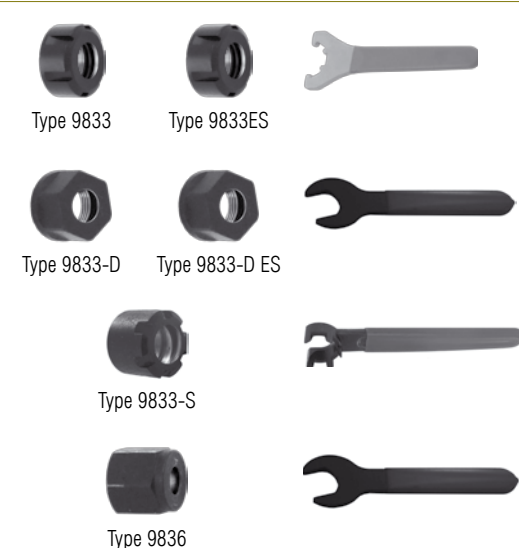
ACCESSORIES • CZĘŚCI ZAMIENNE



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DIN 2080



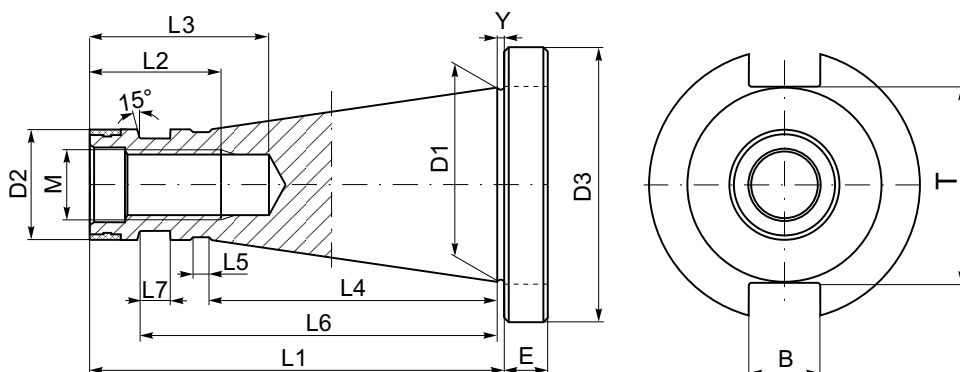
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3

DIN 2080

TOOL SHANKS with 7:24 taper

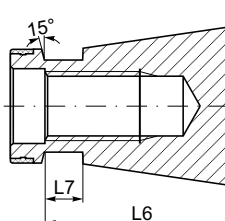
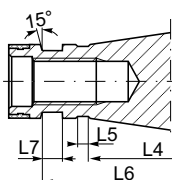
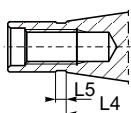
CHWYT ze stożkiem 7:24



K-30

K-40

K-50



K 7:24	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇
30	31,75	17,1	50,0	70	24	35	48,4	3	-	-
40	44,45	25,0	63,0	95	30	41	65,4	5	82	7,0
50	69,85	39,3	97,5	130	45	60	-	-	115	13,3

K 7:24	B H12	T	E	M	Y
30	16,1	32,4	8	M12	1,8
40	16,1	45,0	10	M16	1,8
50	25,7	70,6	12	M24	3,2

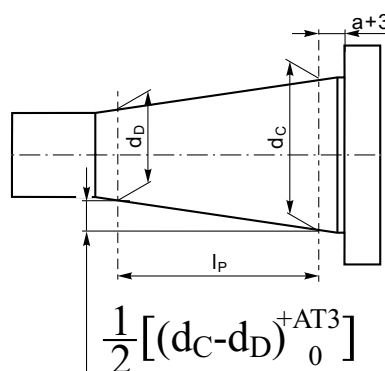
STANDARD FEATURES OF TOOLING

- 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.

K 7:24	d _C -d _D	l _P	a	AT3
30	12,250	42	1,6	0,002
40	17,208	59	1,6	0,003
50	26,833	92	3,2	0,004

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.

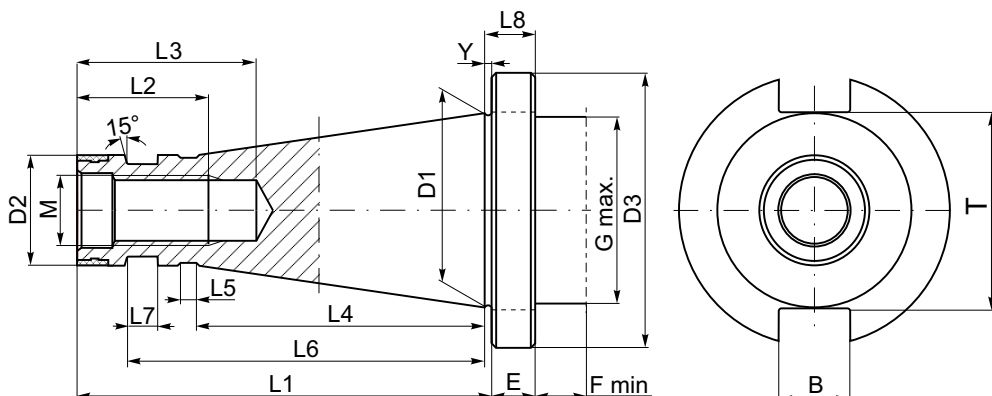


DIN 2080 QC

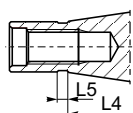
QUICK CHANGE

TOOL SHANKS with 7:24 taper

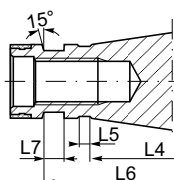
CHWYT ze stożkiem 7:24



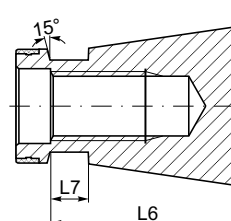
K-30



K-40



K-50



K 7:24	D ₁	D ₂	D ₃	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	L ₈
30	31,75	17,1	46,0	70	24	35	48,4	3	-	-	10,74
40	44,45	25,0	63,5	95	30	41	65,4	5	82	7,0	9,96
50	69,85	39,6	88,9	130	45	60	-	-	115	13,3	15,10

K 7:24	B H12	T	E	M	Y	F	G
30	16,1	32,4	8,76	M12	1,98	8,5	30
40	16,1	45,0	7,98	M16	1,98	11,5	42
50	25,7	70,6	11,50	M24	3,60	11,5	63

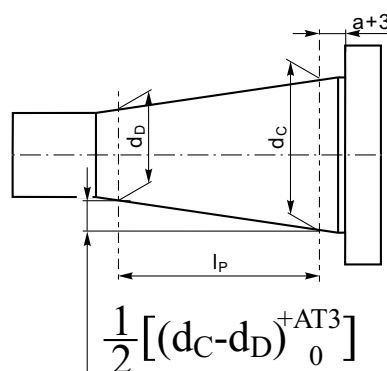
STANDARD FEATURES OF TOOLING

- 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.

K 7:24	d _C -d _D	l _P	a	AT3
30	12,250	42	1,6	0,002
40	17,208	59	1,6	0,003
50	26,833	92	3,2	0,004

CHARAKTERYSTYKA TECHNICZNA WYROBÓW

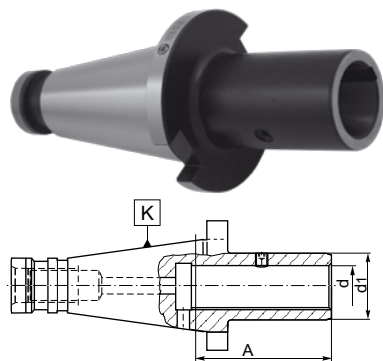
- Materiał: stal stopowa chromowo-manganowa
- Nawęglane na głębokość 0,7 mm.
- Hartowane i precyzyjnie szlifowane.
- Twardość powierzchni 58±2 HRC.
- Tolerancja kąta stożka AT3.



Type 1616

HOLDERS for adjustable adapters DIN 6327

OPRAWKI do trzpieni i tulei z regulacją osiową DIN 6327



DIN 2080

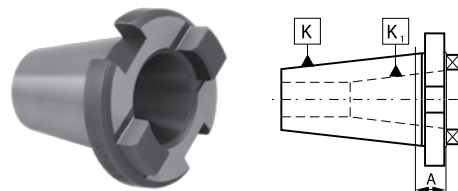
Code No / Kod Nr	K 7:24	d	d1	A	
0642 116 160 401	40	16	25	60	U-1997/0
0642 116 160 503		20	32	60	U-1997/0
0642 116 160 605		28	40	100	U-7381/0
0642 116 160 707		36	50	120	U-7381/0
0642 116 160 809	50	16	25	60	U-1997/0
0642 116 160 900		20	32	60	U-1997/0
0642 116 161 005		28	40	100	U-7381/0
0642 116 161 107		36	50	100	U-7381/0
0642 116 161 209		48	67	100	U-7382/0

Typical order/Sposób zamawiania: 0642 116 161 209 lub 1616-50-48-100

Type 1650

TAPER ADAPTERS for tools with DIN 2080 taper shank

TULEJE REDUKCYJNE do narzędzi z chwytem 7:24 w/g DIN 2080



DIN 2080

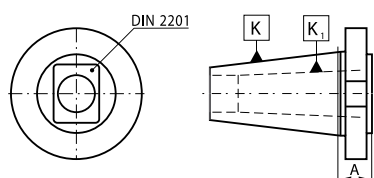
Code No / Kod Nr	K 7:24	K1 7:24	A
0642 116 501 005	40	30	13,0
0642 116 503 007	50	30	15,9
0642 116 503 109		40	15,9

Typical order/Sposób zamawiania: 0642 116 503 109 lub 1650-50-40

Type 1653

TAPER 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



DIN 2080

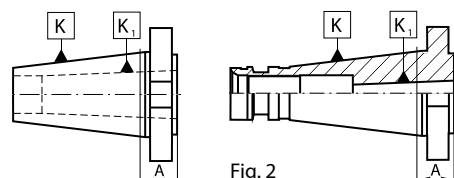
Code No / Kod Nr	K 7:24	K1 Morse	A
0642 116 531 305	40	3	38
0642 116 531 407		4	61
0642 116 533 307	50	3	16
0642 116 533 409		4	22
0642 116 533 500		5	51

Typical order/Sposób zamawiania: 0642 116 533 500 lub 1653-50-5

Type 1655

TAPER ADAPTERS for tools with Morse taper shank

TULEJE REDUKCYJNE do narzędzi z chwytem Morse'a



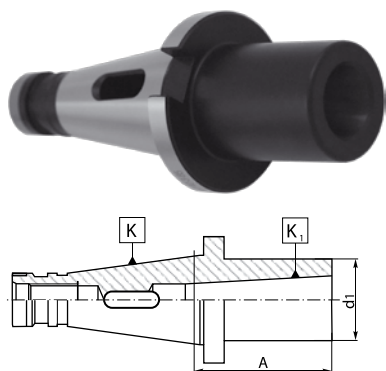
DIN 2080

Code No / Kod Nr	K 7:24	K1 Morse	A	fig
0642 116 550 209	30	2	18	1
0642 116 550 300		3	72	1
0642 116 555 101	40	1	14	2
0642 116 555 203		2	14	1
0642 116 555 305		3	14	1
0642 116 555 407		4	43	1
0642 116 555 509		4	67	1
0642 116 556 102	50	1	17	2
0642 116 556 204		2	21	1
0642 116 556 306		3	21	1
0642 116 556 408		4	21	1
0642 116 556 500		5	65	1

Typical order/Sposób zamawiania: 0642 116 556 500 lub 1655-50-5-65

Type 1657

REDUCING ADAPTERS for tools with Morse taper and tang DIN 228-B shank
TULEJE REDUKCYJNE do narzędzi z chwytem Morse'a z pletwą wg DIN 228-B



DIN 2080

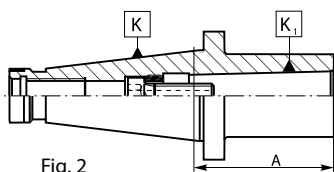
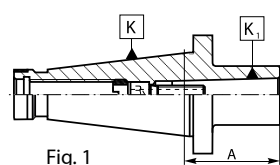
Code No / Kod Nr	K 7:24	K1 Morse	A	d1
0642 116 570 103	30	1	50	25
0642 116 570 205		2	57	32
0642 116 570 307		3	72	40
0642 116 577 100	40	1	50	25
0642 116 577 201		2	50	32
0642 116 577 303		3	65	40
0642 116 577 405		4	95	48
0642 116 571 002		5	170	63
0642 116 571 206	50	2	23	32
0642 116 571 308		3	33	40
0642 116 571 400		4	53	48
0642 116 571 501		5	86	63

Typical order/Sposób zamawiania: 0642 116 571 501 lub 1657-50-5-86


Type 1676

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



DIN 2080

Code No / Kod Nr	K 7:24	K1 Morse	A	d1	fig	
0642 116 761 100	30	1	50	25	1	U-2369/0
0642 116 761 202		2	50	32	2	W-1092/0
0642 116 761 304		3	78	40	2	U-7790/0
0642 116 760 100	40	1	50	25	1	W-1091/0
0642 116 760 201		2	50	32	1	W-1092/0
0642 116 760 303		3	65	40	2	W-1093/0
0642 116 760 405		4	95	48	2	W-1094/0
0642 116 760 507	50	1	45	25	1	W-1091/0
0642 116 760 609		2	60	32	1	W-1095/0
0642 116 760 700		3	65	40	1	W-1096/0
0642 116 760 802		4	65	48	1	W-1097/0
0642 116 760 904		5	120	63	2	W-1098/0

Typical order/Sposób zamawiania: 0642 116 760 904 lub 1676-50-5-120

Type 1679

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

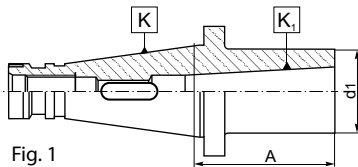


Fig. 1

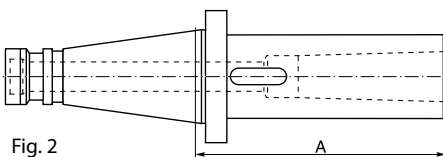


Fig. 2

DIN 2080

Code No / Kod Nr	K 7:24	K1 Morse	A	d1	fig
0642 116 794 915	30	1	50	25	1
0642 116 794 928		2*	50	32	1
0642 116 794 930		3*	72	40	1
0642 116 795 109	40	1	50	25	1
0642 116 791 105		1	92	25	2
0642 116 795 200		2	50	32	1
0642 116 791 207		2	109	32	2
0642 116 795 302		3*	65	40	1
0642 116 791 309		3*	129	40	2
0642 116 795 404		4*	95	48	1
0642 116 791 400		4*	152	48	2
0642 116 796 100	50	1	45	25	1
0642 116 792 106		1	96	25	2
0642 116 796 201		2	60	32	1
0642 116 792 208		2	113	32	2
0642 116 796 303		3	65	40	1
0642 116 792 300		3	133	40	2
0642 116 796 405		4	70	48	1
0642 116 792 401		4	163	48	2
0642 116 796 507		5*	105	63	1
0642 116 792 503		5*	193	63	2

Typical order/Sposób zamawiania: 0642 116 792 503 lub 1679-50-5-193

Type 1679 QC

QUICK CHANGE

DIN 2080

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

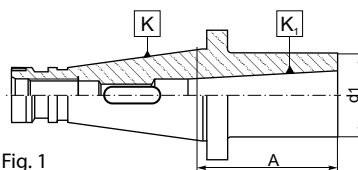


Fig. 1

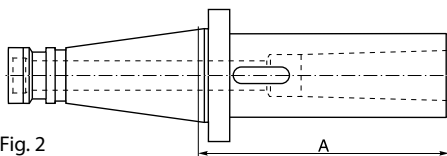


Fig. 2

Code No / Kod Nr	K 7:24	K1 Morse	A	D	fig
0642 116 798 114	30	1	50	25	1
0642 116 798 127		2*	50	32	1
0642 116 798 130		3*	72	40	1
0642 116 798 216	40	1	50	25	1
0642 116 798 229		1	92	25	2
0642 116 798 318		2	50	32	1
0642 116 798 320		2	109	32	2
0642 116 798 410		3*	65	40	1
0642 116 798 422		3*	129	40	2
0642 116 798 511		4*	95	48	1
0642 116 798 524		4*	160	48	2

Typical order/Sposób zamawiania: 0642 116 798 524 lub 1679-40-4-160QC

*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 1699

TAPER ADAPTERS for tools with 7:24 taper shank

TULEJE REDUKCYJNE do narzędzi z chwytem 7:24

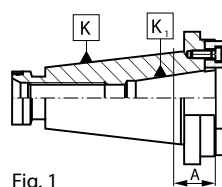


Fig. 1

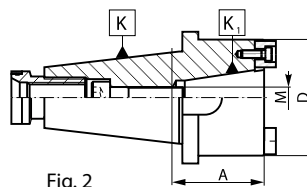


Fig. 2

DIN 2080

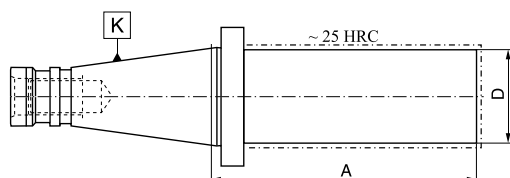
Code No / Kod Nr	K 7:24	K1 7:24	A	Fig.	D	M	
0642 116 991 100	50	40	27	1	88	M16	U-6227/0
0642 116 991 507		40	65	2	88	M16	U-6227/0

Typical order/Sposób zamawiania: 0642 116 991 507 lub 1699-50-40-65

Type 2190

BLANK ADAPTERS

TRZPIEŃ - PÓŁFABRYKAT



DIN 2080

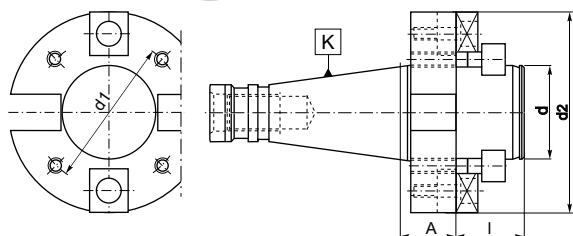
Code No / Kod Nr	K 7:24	D	A
0642 121 900 109	40	40	250
0642 121 900 200		40	280
0642 121 900 315		63	160
0642 121 900 111		63	250
0642 121 900 302		63	280
0642 121 900 404		80	270
0642 121 901 201	50	50	330
0642 121 901 230		63	250
0642 121 901 303		80	330
0642 121 901 344		80	600
0642 121 901 405		95	250
0642 121 901 433		97	250
0642 121 901 461		97	315

Typical order/Sposób zamawiania: 0642 121 901 303 lub 2190-50-80-330

Type 2824

ADAPTERS for indexable milling cutters

TRZPIENIE FREZARSKIE do głowic frezarskich



DIN 2080

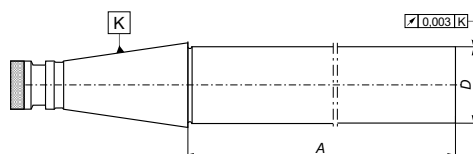
Code No / Kod Nr	K 7:24	d	d1	d2	A	I		
0642 128 240 105	40	40	66,7	89	30	30	U-6064/0	U-1414/0
0642 128 240 207		50	101,6	129	30	40	U-6065/0	U-2042/0
0642 128 240 309		60	101,6	129	30	40	U-6066/0	U-2042/0
0642 128 240 400	50	40	66,7	89	30	30	U-6064/0	U-1414/0
0642 128 240 502		50	101,6	129	30	40	U-6065/0	U-2042/0
0642 128 240 604		60	101,6	129	30	40	U-6066/0	U-2042/0

Typical order/Sposób zamawiania: 0642 128 240 604 lub 2824-50-60

Type 2850

TEST ARBORS

TRZPIENIE KONTROLNE



DIN 2080

Code No / Kod Nr	K 7:24	D	A
0642 128 501 003	40	40	300
0642 128 501 004	50	50	300

Typical order/Sposób zamawiania: 0642 128 240 604 lub 2824-50-60

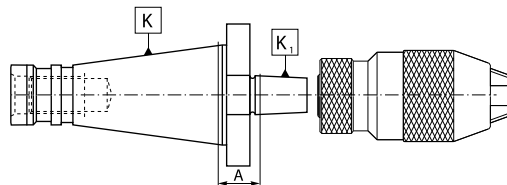
Type 5370

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



Code No / Kod Nr	K 7:24	K1 Jacobs	A
0642 153 540 000	30	J0	12
0642 153 540 101		J1	12
0642 153 540 305		J2	12
0642 153 540 702		J3	12
0642 153 540 407		J33	12
0642 153 540 509		J6	12
0642 153 541 306	40	J2	14
0642 153 541 703		J3	14
0642 153 541 408		J33	14
0642 153 541 500		J6	14
0642 153 542 704	50	J3	18
0642 153 542 409		J33	18
0642 153 542 908		J4	18
0642 153 543 002		J5	18
0642 153 542 500		J6	18

DIN 2080

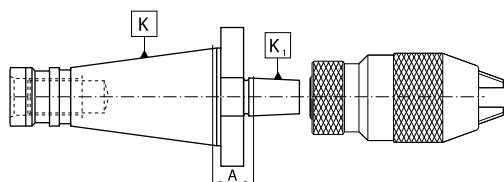


Code No / Kod Nr	K 7:24	K1 DIN	A
0642 153 700 103	30	B10	15
0642 153 700 205		B12	15
0642 153 700 307		B16	15
0642 153 700 409		B18	15
0642 153 700 500		B22	15
0642 153 701 206	40	B12	17
0642 153 707 100		B12	90
0642 153 701 308		B16	17
0642 153 707 201		B16	90
0642 153 701 400		B18	17
0642 153 707 303		B18	90
0642 153 701 501		B22	17
0642 153 701 603		B24	17
0642 153 702 309	50	B16	20
0642 153 706 109		B16	90
0642 153 702 400		B18	20
0642 153 706 200		B18	90
0642 153 702 502		B22	20
0642 153 702 604		B24	20

Typical order/Sposób zamawiania: 0642 153 702 604 lub 5370-50-B24-20

Type 5370 QC

DRILL CHUCK ADAPTERS for drill chucks Jacobs taper
TRZPIENIE do uchwyty wiertarskich ze stożkiem Jacobsa



QUICK CHANGE

DIN 2080

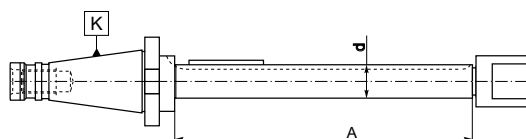
Code No / Kod Nr	K 7:24	K1 Jacobs	A
0642 153 549 446	30	J33	21
0642 153 549 459		J6	21
0642 153 549 548	40	J33	23
0642 153 549 550		J6	23

Typical order/Sposób zamawiania: 0642 153 549 550 lub 5370-40-J6-11 QC

Type 7175

DIN 2080

MILLING MACHINE ARBORS
TRZPIENIE FREZARSKIE DŁUGIE



Code No / Kod Nr	K 7:24	d	A		
0642 171 750 306	30	16	200	4x4x50	M16x1,5
0642 171 750 408		16	250	4x4x50	M16x1,5
0642 171 750 500		16	315	4x4x50	M16x1,5
0642 171 750 907		22	200	6x6x56	M20x2
0642 171 751 001		22	250	6x6x56	M20x2
0642 171 751 103		22	315	6x6x56	M20x2
0642 171 751 205		22	400	6x6x56	M20x2
0642 171 751 602		27	200	7x7x57	M24x2
0642 171 751 704		27	250	7x7x57	M24x2
0642 171 751 806		27	315	7x7x57	M24x2
0642 171 751 908		27	400	7x7x57	M24x2
0642 171 752 308	40	16	200	4x4x50	M16x1,5
0642 171 752 400		16	250	4x4x50	M16x1,5
0642 171 752 501		16	315	4x4x50	M16x1,5
0642 171 752 603		16	400	4x4x50	M16x1,5
0642 171 753 003		22	200	6x6x56	M20x2
0642 171 753 105		22	250	6x6x56	M20x2
0642 171 753 207		22	315	6x6x56	M20x2
0642 171 753 309		22	400	6x6x56	M20x2
0642 171 753 400		22	500	6x6x56	M20x2
0642 171 753 808		27	200	7x7x57	M24x2
0642 171 753 900		27	250	7x7x57	M24x2
0642 171 754 004		27	315	7x7x57	M24x2
0642 171 754 106		27	400	7x7x57	M24x2
0642 171 754 208		27	500	7x7x57	M24x2
0642 171 754 300		27	630	7x7x57	M24x2
0642 171 754 605		32	160	8x7x70	M27x2
0642 171 754 809		32	250	8x7x70	M27x2
0642 171 754 900		32	315	8x7x70	M27x2
0642 171 755 005		32	400	8x7x70	M27x2
0642 171 755 107		32	500	8x7x70	M27x2
0642 171 755 209		32	630	8x7x70	M27x2
0642 171 755 708		40	315	10x8x80	M33x2
0642 171 755 800		40	400	10x8x80	M33x2
0642 171 755 901		40	500	10x8x80	M33x2
0642 171 756 006		40	630	10x8x80	M33x2

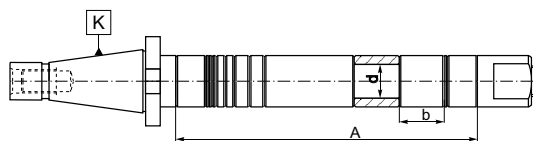
Code No / Kod Nr	K 7:24	d	A		
0642 171 760 508	50	22	200	6x6x56	M20x2
0642 171 760 600		22	250	6x6x56	M20x2
0642 171 760 701		22	315	6x6x56	M20x2
0642 171 760 803		22	400	6x6x56	M20x2
0642 171 760 905		22	500	6x6x56	M20x2
0642 171 761 000		22	630	6x6x56	M20x2
0642 171 761 600		27	315	7x7x57	M24x2
0642 171 761 702		27	400	7x7x57	M24x2
0642 171 761 804		27	500	7x7x57	M24x2
0642 171 761 906		27	630	7x7x57	M24x2
0642 171 762 000		27	800	7x7x57	M24x2
0642 171 762 601		32	315	8x7x70	M27x2
0642 171 762 703		32	400	8x7x70	M27x2
0642 171 762 805		32	500	8x7x70	M27x2
0642 171 762 907		32	630	8x7x70	M27x2
0642 171 763 001		32	800	8x7x70	M27x2
0642 171 763 103		32	900	8x7x70	M27x2
0642 171 763 205		32	1000	8x7x70	M27x2
0642 171 763 806		40	400	10x8x80	M33x3
0642 171 763 908		40	500	10x8x80	M33x3
0642 171 764 002		40	630	10x8x80	M33x3
0642 171 764 104		40	800	10x8x80	M33x3
0642 171 764 206		40	900	10x8x80	M33x3
0642 171 764 308		40	1000	10x8x80	M33x3
0642 171 764 400		50	400	12x8x100	M39x3
0642 171 764 501		50	500	12x8x100	M39x3
0642 171 764 603		50	630	12x8x100	M39x3
0642 171 764 705		50	800	12x8x100	M39x3
0642 171 764 807		50	900	12x8x100	M39x3
0642 171 764 909		50	1000	12x8x100	M39x3
0642 171 765 207		60	630	14x9x100	M45x3
0642 171 765 309		60	800	14x9x100	M45x3
0642 171 765 400		60	900	14x9x100	M45x3
0642 171 765 502		60	1000	14x9x100	M45x3

Typical order/Sposób zamawiania: 0642 171 753 003 lub 7175-40/22/200

Type 7178
DIN 2080

MILLING MACHINE ARBORS

TRZPIENIE FREZARSKIE DŁUGIE



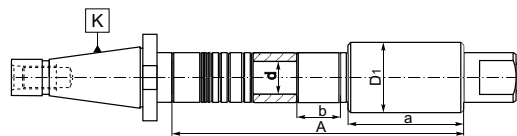
Code No / Kod Nr	K 7:24	d	A	Pierścienie * b rings									
				1	2	3	6	10	20	30	60	100	
				Liczba szt na 1 trzpień * Nombre of pcs 1 arbor									
0642 171 780 300	30	16	200	2	3	4	2	4	2	3	-	-	
0642 171 780 402		16	250	2	3	4	2	4	3	4	-	-	
0642 171 780 504		16	315	1	4	2	2	4	5	5	-	-	
0642 171 780 901		22	200	1	3	1	2	2	2	2	1	-	
0642 171 781 006		22	250	1	3	1	2	1	2	2	2	-	
0642 171 781 108		22	315	1	4	2	2	2	3	3	2	-	
0642 171 781 200		22	400	1	3	1	2	3	4	3	3	-	
0642 171 781 607		27	200	1	3	1	2	2	2	2	1	-	
0642 171 781 709		27	250	1	3	1	2	1	2	2	2	-	
0642 171 781 800		27	315	1	4	2	2	2	3	3	2	-	
0642 171 781 902		27	400	1	3	1	2	1	3	3	2	1	
0642 171 782 302	40	16	200	2	3	4	2	4	2	3	-	-	
0642 171 782 404		16	250	2	3	4	2	4	3	4	-	-	
0642 171 782 506		16	315	1	4	2	2	4	5	5	-	-	
0642 171 782 608		16	400	1	5	3	2	4	6	7	-	-	
0642 171 783 008		22	200	1	3	1	2	2	2	2	1	-	
0642 171 783 100		22	250	1	3	1	2	1	2	2	2	-	
0642 171 783 201		22	315	1	4	2	2	2	3	3	2	-	
0642 171 783 303		22	400	1	3	1	2	3	4	3	3	-	
0642 171 783 405		22	500	2	3	2	3	3	4	4	4	-	
0642 171 783 802		27	200	1	3	1	2	2	2	2	1	-	
0642 171 783 904		27	250	1	3	1	2	1	2	2	2	-	
0642 171 784 009		27	315	1	4	2	2	2	3	3	2	-	
0642 171 784 100		27	400	1	3	1	2	1	3	3	2	1	
0642 171 784 202		27	500	2	3	2	3	2	2	3	2	2	
0642 171 784 304		27	630	2	3	2	3	2	2	2	3	3	
0642 171 784 600		32	160	2	3	4	2	3	2	2	-	-	
0642 171 784 803		32	250	1	3	1	2	1	2	2	2	-	
0642 171 784 905		32	315	1	4	2	2	2	3	3	2	-	
0642 171 785 000		32	400	1	3	1	2	1	3	3	2	1	
0642 171 785 101		32	500	2	3	2	3	2	2	3	2	2	
0642 171 785 203		32	630	2	3	2	3	2	2	2	3	3	
0642 171 785 702		40	315	1	4	2	2	2	3	3	2	-	
0642 171 785 804		40	400	1	3	1	2	1	3	3	2	1	
0642 171 785 906		40	500	2	3	2	3	2	2	3	2	2	
0642 171 786 000		40	630	2	3	2	3	2	2	2	3	3	

Code No / Kod Nr	K 7:24	d	A	Pierścienie * b rings									
				1	2	3	6	10	20	30	60	100	
				Liczba szt na 1 trzpień * Nombre of pcs 1 arbor									
0642 171 790 502	50	22	200	1	3	1	2	2	2	2	1	-	
0642 171 790 604		22	250	1	3	1	2	1	2	2	2	-	
0642 171 790 706		22	315	1	4	2	2	2	3	3	2	-	
0642 171 790 808		22	400	1	3	1	2	3	4	3	3	-	
0642 171 790 900		22	500	2	3	2	3	3	4	4	4	-	
0642 171 791 004		22	500	2	3	2	3	3	4	4	4	-	
0642 171 791 605		27	315	1	4	2	2	2	3	3	2	-	
0642 171 791 707		27	400	1	3	1	2	1	3	3	2	1	
0642 171 791 809		27	500	2	3	2	3	2	2	3	2	2	
0642 171 791 900		27	630	2	3	2	3	2	2	2	3	3	
0642 171 792 005		27	800	4	4	4	3	4	3	4	4	3	
0642 171 792 606		32	315	1	4	2	2	2	3	3	2	-	
0642 171 792 708		32	400	1	3	1	2	1	3	3	2	1	
0642 171 792 800		32	500	2	3	2	3	2	2	3	2	2	
0642 171 792 901		32	630	2	3	2	3	2	2	2	3	3	
0642 171 793 006		32	800	4	4	4	3	4	3	4	4	3	
0642 171 793 108		32	900	4	4	4	3	4	3	4	4	4	
0642 171 793 200		32	1000	4	4	4	3	4	3	4	4	5	
0642 171 793 800		40	400	1	3	1	2	1	3	3	2	1	
0642 171 793 902		40	500	2	3	2	3	2	2	3	2	2	
0642 171 794 007		40	630	2	3	2	3	2	2	2	3	3	
0642 171 794 109		40	800	4	4	4	3	4	3	4	4	3	
0642 171 794 200		40	900	4	4	4	3	4	3	4	4	4	
0642 171 794 302		40	1000	4	4	4	3	4	3	4	4	5	
0642 171 794 404		50	400	1	3	1	2	1	3	3	2	1	
0642 171 794 506		50	500	2	3	2	3	2	2	3	2	2	
0642 171 794 608		50	630	2	3	2	3	2	2	2	3	3	
0642 171 794 700		50	800	4	4	4	3	4	3	4	4	3	
0642 171 794 801		50	900	4	4	4	3	4	3	4	4	4	
0642 171 794 903		50	1000	4	4	4	3	4	3	4	4	5	
0642 171 795 201		60	630	2	3	2	3	2	2	2	3	3	
0642 171 795 303		60	800	4	4	4	3	4	3	4	4	3	
0642 171 795 405		60	900	4	4	4	3	4	3	4	4	4	
0642 171 795 507		60	1000	4	4	4	3	4	3	4	4	5	

Type 7181

DIN 2080

MILLING MACHINE ARBORS
TRZPIENIE FREZARSKIE DŁUGIE



Code No / Kod Nr	K 7:24	d	A	Pierścienie * b rings										Bushing Tuleja walcowa dxD1xa
				1 Liczba	2 szt	3 na	6 1 trzpień	10 *	20 Numbre	30 of	60 pcs	100 1 arbor		
0642 171 810 005	30	16	200	1	3	3	1	2	2	2	-	-	16x42x60	
0642 171 810 107		16	250	1	3	3	1	4	2	3	-	-	16x42x60	
0642 171 810 209		16	315	3	3	4	1	5	3	4	-	-	16x42x60	
0642 171 810 300		22	200	1	3	3	1	2	2	2	-	-	22x42x60	
0642 171 810 402		22	250	1	3	3	1	1	2	2	1	-	22x42x60	
0642 171 810 504		22	315	1	4	2	2	2	3	3	1	-	22x42x60	
0642 171 810 606		22	400	1	3	3	1	2	3	2	3	-	22x42x60	
0642 171 810 708		27	200	1	1	1	1	2	2	2	-	-	27x48x70	
0642 171 810 800		27	250	1	1	1	1	1	2	2	1	-	27x48x70	
0642 171 810 901		27	315	1	2	2	1	2	3	3	1	-	27x48x70	
0642 171 811 006		27	400	1	1	1	1	2	1	2	2	1	27x48x70	
0642 171 811 108	40	16	200	2	1	2	2	2	1	2	-	-	16x56x80	
0642 171 811 200		16	250	1	3	3	1	4	1	3	-	-	16x56x80	
0642 171 811 301		16	315	3	3	4	1	5	2	4	-	-	16x56x80	
0642 171 811 403		16	400	2	3	4	2	5	3	6	-	-	16x56x80	
0642 171 811 505		22	200	1	3	3	1	2	1	2	-	-	22x56x80	
0642 171 811 607		22	250	1	3	3	1	1	1	2	1	-	22x56x80	
0642 171 811 709		22	315	1	4	2	2	2	2	3	1	-	22x56x80	
0642 171 811 800		22	400	1	3	3	1	2	2	2	3	-	22x56x80	
0642 171 811 902		22	500	1	3	3	1	3	2	3	4	-	22x56x80	
0642 171 812 007		27	250	1	3	3	1	2	2	1	1	-	27x56x80	
0642 171 812 109		27	315	2	2	3	2	1	1	2	2	-	27x56x80	
0642 171 812 200		27	400	2	1	2	2	2	3	2	1	1	27x56x80	
0642 171 812 302		27	500	2	1	2	2	2	3	2	1	2	27x56x80	
0642 171 812 404		27	630	2	3	4	2	2	3	2	3	2	27x56x80	
0642 171 812 506		32	250	1	3	3	1	2	2	1	1	-	32x56x80	
0642 171 812 608		32	315	2	2	3	2	1	1	2	2	-	32x56x80	
0642 171 812 700		32	400	2	1	2	2	2	3	2	1	1	32x56x80	
0642 171 812 801		32	500	2	1	2	2	2	3	2	1	2	32x56x80	
0642 171 812 903		32	630	2	3	4	2	2	3	2	3	2	32x56x80	
0642 171 813 008		40	315	2	2	3	2	1	1	2	2	-	40x56x80	
0642 171 813 100		40	400	2	1	2	2	2	3	2	1	1	40x56x80	
0642 171 813 201		40	500	2	1	2	2	2	3	2	1	2	40x56x80	
0642 171 813 303		40	630	2	3	4	2	2	3	2	3	2	40x56x80	

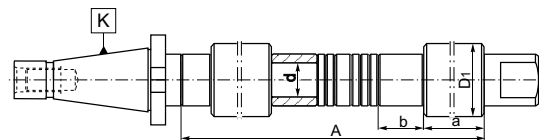
Code No / Kod Nr	K 7:24	d	A	Pierścienie * b rings										Bushing Tuleja walcowa dxD1xa
				1 Liczba	2 szt	3 na 1	6 trzpień	10 *	16 Numbre	20 of	30 pcs	60 1	100 arbor	
0642 171 815 702	50	22	200	1	3	1	2	1	2	1	-	-	22x70x100	
0642 171 815 804		22	250	1	3	1	2	1	3	2	-	-	22x70x100	
0642 171 815 906		22	315	1	4	2	2	1	3	2	1	-	22x70x100	
0642 171 816 000		22	400	1	3	1	2	1	3	1	3	-	22x70x100	
0642 171 816 102		22	500	2	3	4	2	4	3	3	3	-	22x70x100	
0642 171 816 204		22	630	2	3	4	2	4	2	4	5	-	22x70x100	
0642 171 816 306		27	315	2	2	3	2	2	1	1	2	-	27x70x100	
0642 171 816 408		27	400	2	1	2	2	4	3	2	2	-	27x70x100	
0642 171 816 500		27	500	2	1	2	2	3	4	3	3	-	27x70x100	
0642 171 816 601		27	630	2	3	4	2	2	2	2	3	2	27x70x100	
0642 171 816 703		27	800	2	1	2	2	3	3	3	5	2	27x70x100	
0642 171 816 805		32	315	2	2	3	2	2	1	1	2	-	32x70x100	
0642 171 816 907		32	400	2	1	2	2	4	3	2	2	-	32x70x100	
0642 171 817 001		32	500	2	1	2	2	3	4	3	3	-	32x70x100	
0642 171 817 103		32	630	2	3	4	2	2	2	2	3	2	32x70x100	
0642 171 817 205		32	800	2	1	2	2	3	3	3	5	2	32x70x100	
0642 171 817 307		32	900	2	1	2	2	3	3	3	5	3	32x70x100	
0642 171 817 409		32	1000	2	1	2	2	3	3	3	5	4	32x70x100	
0642 171 817 500		40	400	2	1	2	2	4	2	2	2	-	40x85x120	
0642 171 817 602		40	500	2	1	2	2	3	3	3	3	-	40x85x120	
0642 171 817 704		40	630	2	3	4	2	-	2	2	3	2	40x85x120	
0642 171 817 806		40	800	2	1	2	2	3	2	3	5	2	40x85x120	
0642 171 817 908		40	900	2	1	2	2	3	2	3	5	3	40x85x120	
0642 171 818 002		40	1000	2	1	2	2	3	2	3	5	4	40x85x120	
0642 171 818 104		50	400	2	1	2	2	4	2	2	2	-	50x85x120	
0642 171 818 206		50	500	2	1	2	2	3	3	3	3	-	50x85x120	
0642 171 818 308		50	630	2	3	4	2	2	1	2	3	2	50x85x120	
0642 171 818 400		50	800	2	1	2	2	3	2	3	5	2	50x85x120	
0642 171 818 501		50	900	2	1	2	2	3	2	3	5	3	50x85x120	
0642 171 818 603		50	1000	2	1	2	2	3	2	3	5	4	50x85x120	
0642 171 818 909		60	630	2	3	2	3	2	3	2	2	2	60x110x120	
0642 171 819 003		60	800	4	4	4	3	3	3	3	4	2	60x110x120	
0642 171 819 105		60	900	4	4	4	3	3	3	3	4	3	60x110x120	
0642 171 819 207		60	1000	4	4	4	3	3	3	3	4	4	60x110x120	

Typical order/Sposób zamawiania: 0642 171 811 505 lub 7181-40-22-200

Type 7184

DIN 2080

MILLING MACHINE ARBORS
TRZPIENIE FREZARSKIE DŁUGIE



Code No / Kod Nr	K 7:24	d	A	Pierścienie * b rings Liczba szt na 1 trzpień * Numbre of pcs 1 arbor										Bushing Tuleja wałcowa dxD1xa
0642 171 840 000	30	16	315	2	2	2	2	2	3	3	-	-	-	16x42x60
0642 171 840 101		22	315	2	2	2	2	2	3	3	-	-	-	22x42x60
0642 171 840 203		22	400	2	1	3	1	3	4	3	1	-	-	22x42x60
0642 171 840 305		27	315	2	2	1	3	2	2	3	-	-	-	27x48x70
0642 171 840 407		27	400	2	1	2	2	3	3	3	1	-	-	27x48x70
0642 171 840 509	40	16	315	2	2	1	3	3	3	2	-	-	-	16x48x70
0642 171 840 600		16	400	2	3	2	3	3	4	4	-	-	-	16x48x70
0642 171 840 702		22	315	2	2	1	3	1	3	2	-	-	-	22x56x80
0642 171 840 804		22	400	2	1	2	2	2	4	2	1	-	-	22x56x80
0642 171 840 906		22	500	2	1	2	2	2	3	2	3	-	-	22x56x80
0642 171 841 000		27	315	2	2	1	3	3	2	2	-	-	-	27x56x80
0642 171 841 102		27	400	2	1	2	2	4	3	2	1	-	-	27x56x80
0642 171 841 204		27	500	2	3	2	3	4	3	3	2	-	-	27x56x80
0642 171 841 306		27	630	4	4	4	3	2	2	3	3	1	-	27x56x80
0642 171 841 408		32	315	2	2	1	3	3	2	2	-	-	-	32x56x80
0642 171 841 500		32	400	2	1	2	2	4	3	2	1	-	-	32x56x80
0642 171 841 601		32	500	2	3	2	3	4	3	3	2	-	-	32x56x80
0642 171 841 703		32	630	4	4	4	3	2	2	3	3	1	-	32x56x80
0642 171 841 805		40	315	2	2	1	3	2	2	1	-	-	-	40x70x100
0642 171 841 907		40	400	2	1	2	2	2	2	2	1	-	-	40x70x100
0642 171 842 001		40	500	2	3	2	3	2	2	3	2	-	-	40x70x100
0642 171 842 103		40	630	4	4	4	3	2	3	3	2	1	-	40x70x100

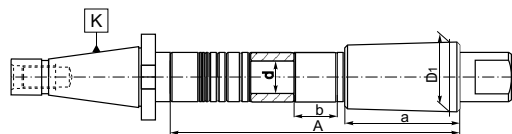
Code No / Kod Nr	K 7:24	d	A	Pierścienie * b rings Liczba szt na 1 trzpień * Numbre of pcs 1 arbor										Bushing Tuleja wałcowa dxD1xa
0642 171 844 003	50	22	315	2	2	3	2	2	2	1	-	-	-	22x70x100
0642 171 844 105		22	400	2	1	2	2	3	3	3	-	-	-	22x70x100
0642 171 844 207		22	500	2	1	2	2	4	3	2	2	-	-	22x70x100
0642 171 844 309		22	630	2	1	2	2	4	2	3	4	-	-	22x70x100
0642 171 844 400		27	315	2	2	3	2	2	2	2	1	-	-	27x70x100
0642 171 844 502		27	400	2	1	2	2	3	3	3	3	-	-	27x70x100
0642 171 844 604		27	500	2	1	2	2	4	3	2	2	-	-	27x70x100
0642 171 844 706		27	630	4	4	4	3	4	2	3	2	1	-	27x70x100
0642 171 844 808		27	800	4	4	4	3	2	2	4	3	2	-	27x70x100
0642 171 844 900		32	315	2	2	3	2	2	2	2	1	-	-	32x70x100
0642 171 845 004		32	400	2	1	2	2	3	3	3	3	-	-	32x70x100
0642 171 845 106		32	500	2	1	2	2	4	3	2	2	-	-	32x70x100
0642 171 845 208		32	630	4	4	4	3	4	2	3	2	1	-	32x70x100
0642 171 845 300		32	800	4	4	4	3	2	2	4	3	2	-	32x70x100
0642 171 845 401		32	900	4	4	4	3	2	2	4	3	3	-	32x70x100
0642 171 845 503		32	1000	4	4	4	3	2	2	4	3	4	-	32x70x100
0642 171 845 605		40	400	2	1	2	2	2	3	2	-	-	-	40x85x120
0642 171 845 707		40	500	2	1	2	2	3	3	1	2	-	-	40x85x120
0642 171 845 809		40	630	4	4	4	3	3	2	2	2	1	-	40x85x120
0642 171 845 900		40	800	4	4	4	3	1	2	3	3	2	-	40x85x120
0642 171 846 005		40	900	4	4	4	3	1	2	3	3	3	-	40x85x120
0642 171 846 107		40	1000	4	4	4	3	1	2	3	3	4	-	40x85x120
0642 171 846 209		50	400	2	1	2	2	2	3	2	-	-	-	50x85x120
0642 171 846 300		50	500	2	1	2	2	3	3	1	2	-	-	50x85x120
0642 171 846 402		50	630	4	4	4	3	3	2	2	2	1	-	50x85x120
0642 171 846 504		50	800	4	4	4	3	1	2	3	3	2	-	50x85x120
0642 171 846 606		50	900	4	4	4	3	1	2	3	3	3	-	50x85x120
0642 171 846 708		50	1000	4	4	4	3	1	2	3	3	4	-	50x85x120
0642 171 847 006		63	630	4	4	4	3	1	1	2	2	1	-	63x110x140
0642 171 847 108		63	800	4	4	4	3	2	1	2	3	2	-	63x110x140
0642 171 847 200		63	900	4	4	4	3	2	1	2	3	3	-	63x110x140
0642 171 847 301		63	1000	4	4	4	3	2	1	2	3	4	-	63x110x140

Typical order/Sposób zamawiania: 0642 171 840 702 lub 7184-40-22-315

Type 7186

MILLING MACHINE ARBORS

TRZPIENIE FREZARSKIE DŁUGIE



Code No / Kod Nr	K 7:24	d	A	Pierścienie * b rings Tuleja stożkowa Liczba szt na 1 trzpień * Nombre of pcs 1 arbor										Bushing Tuleja stożkowa dxD1xa
0642 171 860 006	40	22	200	1	3	3	1	2	1	2	-	-	-	22x47x80
0642 171 860 108		22	250	1	3	3	1	1	1	2	1	-	-	22x47x80
0642 171 860 200		22	315	1	4	2	2	2	2	3	1	-	-	22x47x80
0642 171 860 301		22	400	1	3	3	1	2	2	2	3	-	-	22x47x80
0642 171 860 403		22	500	1	3	3	1	3	2	3	4	-	-	22x47x80
0642 171 860 505		27	250	1	3	3	1	2	2	1	1	-	-	27x47x80
0642 171 860 607		27	315	2	2	3	2	1	1	2	2	-	-	27x47x80
0642 171 860 709		27	400	2	1	2	2	2	2	3	2	1	1	27x47x80
0642 171 860 800		27	500	2	1	2	2	2	2	3	2	1	2	27x47x80
0642 171 860 902		27	630	2	3	4	2	2	2	3	2	3	2	27x47x80
0642 171 861 007		32	250	1	3	3	1	2	2	1	1	-	-	32x47x80
0642 171 861 109		32	315	2	2	3	2	1	1	2	2	-	-	32x47x80
0642 171 861 200		32	400	2	1	2	2	2	2	3	2	1	1	32x47x80
0642 171 861 302		32	500	2	1	2	2	2	2	3	2	1	2	32x47x80
0642 171 861 404		32	630	2	3	4	2	2	2	3	2	3	2	32x47x80
0642 171 863 009	50	22	200	1	3	1	2	1	2	1	-	-	-	22x70x100
0642 171 863 100		22	250	1	3	1	2	1	3	2	-	-	-	22x70x100
0642 171 863 202		22	315	1	4	2	2	1	3	2	1	-	-	22x70x100
0642 171 863 304		22	400	1	3	1	2	1	3	1	3	-	-	22x70x100
0642 171 863 406		22	500	2	3	4	2	4	3	3	3	-	-	22x70x100
0642 171 863 508		22	630	2	3	4	2	4	2	4	5	-	-	22x70x100
0642 171 863 600		27	315	2	2	3	2	2	1	1	2	-	-	27x70x100
0642 171 863 701		27	400	2	1	2	2	4	3	2	2	-	-	27x70x100
0642 171 863 803		27	500	2	1	2	2	3	4	3	3	-	-	27x70x100

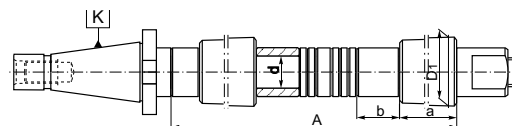
Code No / Kod Nr	K 7:24	d	A	Pierścienie * b rings Tuleja stożkowa Liczba szt na 1 trzpień * Nombre of pcs 1 arbor										Bushing Tuleja stożkowa dxD1xa
0642 171 863 905		27	630	2	3	4	2	2	2	2	3	2	-	27x70x100
0642 171 864 000		27	800	2	1	2	2	3	3	3	5	2	-	27x70x100
0642 171 864 101		32	315	2	2	3	2	2	1	1	2	-	-	32x70x100
0642 171 864 203		32	400	2	1	2	2	4	3	2	2	-	-	32x70x100
0642 171 864 305		32	500	2	1	2	2	3	4	3	3	-	-	32x70x100
0642 171 864 407		32	630	2	3	4	2	2	2	2	3	2	-	32x70x100
0642 171 864 509		32	800	2	1	2	2	3	3	3	5	2	-	32x70x100
0642 171 864 600		32	900	2	1	2	2	3	3	3	5	3	-	32x70x100
0642 171 864 702		32	1000	2	1	2	2	3	3	3	5	4	-	32x70x100
0642 171 864 804		40	400	2	1	2	2	4	3	2	2	-	-	40x70x100
0642 171 864 906		40	500	2	1	2	2	3	4	3	3	-	-	40x70x100
0642 171 865 000		40	630	2	3	4	2	2	2	2	3	2	-	40x70x100
0642 171 865 102		40	800	2	1	2	2	3	3	3	5	2	-	40x70x100
0642 171 865 204		40	900	2	1	2	2	3	3	3	5	3	-	40x70x100
0642 171 865 306		40	1000	2	1	2	2	3	3	3	5	4	-	40x70x100
0642 171 865 408		50	400	2	1	2	2	4	3	2	2	-	-	50x86x100
0642 171 865 500		50	500	2	1	2	2	3	4	3	3	-	-	50x86x100
0642 171 865 601		50	630	2	3	4	2	2	2	2	3	2	-	50x86x100
0642 171 865 703		50	800	2	1	2	2	3	3	3	5	2	-	50x86x100
0642 171 865 805		50	900	2	1	2	2	2	3	3	5	3	-	50x86x100
0642 171 865 907		50	1000	2	1	2	2	2	3	3	5	4	-	50x86x100
0642 171 866 205		60	630	2	3	4	2	2	2	2	3	2	-	63x86x100
0642 171 866 307		60	800	2	1	2	2	3	3	3	5	2	-	63x86x100
0642 171 866 409		60	900	2	1	2	2	3	3	3	5	3	-	63x86x100
0642 171 866 500		60	1000	2	1	2	2	3	3	3	5	4	-	63x86x100

Typical order/Sposób zamawiania: 0642 171 861 200 lub 7186-40-32-400

Type 7188

MILLING MACHINE ARBORS

TRZPIENIE FREZARSKIE DŁUGIE

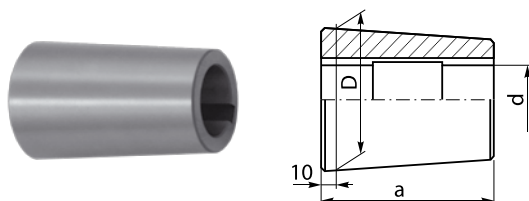


Code No / Kod Nr	K 7:24	d	A	Pierścienie * b rings Tuleja stożkowa Liczba szt na 1 trzpień * Nombre of pcs 1 arbor										Bushing Tuleja stożkowa dxD1xa
0642 171 880 002	40	22	315	2	2	1	3	1	3	2	-	-	-	22x47x80
0642 171 880 104		22	400	2	1	2	2	2	4	2	1	-	-	22x47x80
0642 171 880 206		22	500	2	1	2	2	2	3	2	3	-	-	22x47x80
0642 171 880 308		27	315	2	2	1	3	3	2	2	-	-	-	27x47x80
0642 171 880 400		27	400	2	1	2	2	4	3	2	1	-	-	27x47x80
0642 171 880 501		27	500	2	3	2	3	4	3	3	2	-	-	27x47x80
0642 171 880 603		27	630	4	4	4	3	2	2	3	3	1	-	27x47x80
0642 171 880 705		32	315	2	2	1	3	3	2	2	-	-	-	32x47x80
0642 171 880 807		32	400	2	1	2	2	4	3	3	2	-	-	32x47x80
0642 171 880 909		32	500	2	3	2	3	4	3	3	2	-	-	32x47x80
0642 171 881 003		32	630	4	4	4	3	2	2	3	3	1	-	32x47x80
0642 171 882 208	50	22	315	2	2	3	2	2	2	1	-	-	-	22x70x100
0642 171 882 300		22	400	2	1	2	2	3	3	3	-	-	-	22x70x100
0642 171 882 401		22	500	2	1	2	2	4	3	2	2	-	-	22x70x100
0642 171 882 503		22	630	2	1	2	2	4	2	3	4	-	-	22x70x100
0642 171 882 605		27	315	2	2	3	2	2	2	1	-	-	-	27x70x100
0642 171 882 707		27	400	2	1	2	2	3	3	3	-	-	-	27x70x100
0642 171 882 809		27	500	2	1	2	2	4	3	2	2	-	-	27x70x100
0642 171 882 900		27	630	4	4	4	3	4	2	3	2	1	-	27x70x100
0642 171 883 005		27	800	4	4	4	3	2	2	4	3	2	-	27x70x100
0642 171 883 107		32	315	2	2	3	2	2	2	1	-	-	-	32x70x100

Code No / Kod Nr	K 7:24	d	A	Pierścienie * b rings										Bushing Tuleja stożkowa dxD1xa
				1 Liczba	2 szt	na	1	trzpień	* Number	of	pcs	1	arbor	
0642 171 883 209		32	400	2	1	2	2	3	3	3	-	-	32x70x100	
0642 171 883 300		32	500	2	1	2	2	4	3	2	2	-	32x70x100	
0642 171 883 402		32	630	4	4	4	3	4	2	3	2	1	32x70x100	
0642 171 883 504		32	800	4	4	4	3	2	2	4	3	2	32x70x100	
0642 171 883 606		32	900	4	4	4	3	2	2	4	3	3	32x70x100	
0642 171 883 708		32	1000	4	4	4	3	2	2	4	3	4	32x70x100	
0642 171 883 800		40	400	2	1	2	2	3	3	3	-	-	40x70x100	
0642 171 883 901		40	500	2	1	2	2	4	3	2	2	-	40x70x100	
0642 171 884 006		40	630	4	4	4	3	4	2	3	2	1	40x70x100	
0642 171 884 108		40	800	4	4	4	3	2	2	4	3	2	40x70x100	
0642 171 884 200		40	900	4	4	4	3	2	2	4	3	3	40x70x100	
0642 171 884 301		40	1000	4	4	4	3	2	2	4	3	4	40x70x100	
0642 171 884 403		50	400	2	1	2	2	3	3	3	-	-	50x86x100	
0642 171 884 505		50	500	2	1	2	2	4	3	2	2	-	50x86x100	
0642 171 884 607		50	630	4	4	4	3	4	2	3	2	1	50x86x100	
0642 171 884 709		50	800	4	4	4	3	2	2	4	3	2	50x86x100	
0642 171 884 800		50	900	4	4	4	3	2	2	4	3	3	50x86x100	
0642 171 884 902		50	1000	4	4	4	3	2	2	4	3	4	50x86x100	
0642 171 885 200		60	630	4	4	4	3	4	2	3	2	1	60x86x100	
0642 171 885 302		60	800	4	4	4	3	2	2	4	3	2	60x86x100	
0642 171 885 404		60	900	4	4	4	3	2	2	4	3	3	60x86x100	
0642 171 885 506		60	1000	4	4	4	3	2	2	4	3	4	60x86x100	

Type 7272

ARBOR RUNNING BUSHINGS for milling machine arbors
TULEJE STOŻKOWE do trzpieni frezarskich

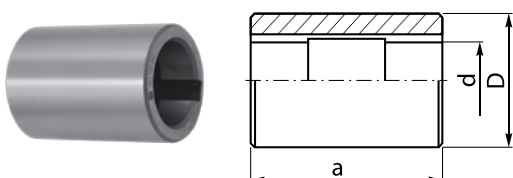


Code No / Kod Nr	d	D	a
0642 172 720 501	16	47	80
0642 172 720 603	22	47	80
0642 172 721 604		70	100
0642 172 720 705	27	47	80
0642 172 721 706		70	100
0642 172 720 807	32	47	80
0642 172 721 808		70	100
0642 172 721 900	40	70	100
0642 172 722 900		86	100
0642 172 722 004	50	70	100
0642 172 723 005		86	100
0642 172 723 107	60	86	100

Typical order/Sposób zamawiania: 0642 172 720 705 lub 7272-27x47x80

Type 7275

ARBOR RUNNING BUSHINGS for milling machine arbors
TULEJE WALCOWE do trzpieni frezarskich



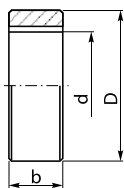
Code No / Kod Nr	d	D	a
0642 172 730 306	16	42	60
0642 172 730 500		48	70
0642 172 730 703		56	80
0642 172 731 205	22	42	60
0642 172 731 409		48	70
0642 172 731 602		56	80
0642 172 731 704		70	100
0642 172 732 206	27	42	60
0642 172 732 400		48	70
0642 172 732 603		56	80
0642 172 732 705		70	100
0642 172 732 909		85	120
0642 172 733 309	32	48	70
0642 172 733 502		56	80
0642 172 733 604		70	100
0642 172 733 808		85	120
0642 172 734 401	40	56	80
0642 172 734 503		70	100
0642 172 734 707		85	120
0642 172 735 300	50	70	100
0642 172 735 504		85	120
0642 172 735 606		110	140
0642 172 736 301	60	110	140
0642 172 736 607	80	110	140
0642 172 737 404	100	140	160

Typical order/Sposób zamawiania: 0642 172 720 705 lub 7272-27x47x80

Type 7285

ARBOR SOLID SPACERS for milling machine arbors

PIERŚCIEŃ do trzpieni frezarskich



Code No / Kod Nr	d	D	b
0642 172 810 103	16	26	1
0642 172 810 205		27	2
0642 172 810 307		27	3
0642 172 810 409		27	6
0642 172 810 500		27	10
0642 172 810 602		27	20
0642 172 810 704		27	30
0642 172 810 806	22	33	1
0642 172 810 908		34	2
0642 172 811 002		34	3
0642 172 811 104		34	6
0642 172 811 206		34	10
0642 172 811 308		34	20
0642 172 811 400		34	30
0642 172 811 501		34	60
0642 172 811 603	27	40	1
0642 172 811 705		41	2
0642 172 811 807		41	3
0642 172 811 909		41	6
0642 172 812 003		41	10
0642 172 812 105		41	20
0642 172 812 207		41	30
0642 172 812 309		41	60
0642 172 812 400		41	100

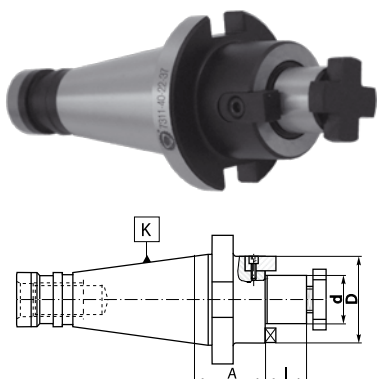
Code No / Kod Nr	d	D	b
0642 172 812 502	32	46	1
0642 172 812 604		47	2
0642 172 812 706		47	3
0642 172 812 808		47	6
0642 172 812 900		47	10
0642 172 813 004		47	20
0642 172 813 106		47	30
0642 172 813 208		47	60
0642 172 813 300		47	100
0642 172 813 401	40	54	1
0642 172 813 503		55	2
0642 172 813 605		55	3
0642 172 813 707		55	6
0642 172 813 809		55	10
0642 172 813 900		55	20
0642 172 814 005		55	30
0642 172 814 107		55	60
0642 172 814 209		55	100
0642 172 814 300	50	68	1
0642 172 814 402		69	2
0642 172 814 504		69	3
0642 172 814 606		69	6
0642 172 814 708		69	10
0642 172 814 800		69	20
0642 172 814 901		69	30
0642 172 815 006		69	60
0642 172 815 108		69	100
0642 172 815 200	60	83	1
0642 172 815 301		84	2
0642 172 815 403		84	3
0642 172 815 505		84	6
0642 172 815 607		84	10
0642 172 815 709		84	20
0642 172 815 800		84	30
0642 172 815 902		84	60
0642 172 816 007		84	100

Typical order/Sposób zamawiania: 0642 172 812 105 lub 7285-27x20

Type 7311

SHELL MILL ADAPTERS for cutters with driving slot DIN 138

TRZPIENIE FREZARSKIE ZABIERAKOWE do frezów z rowkiem zabierakowym DIN 138



DIN 2080

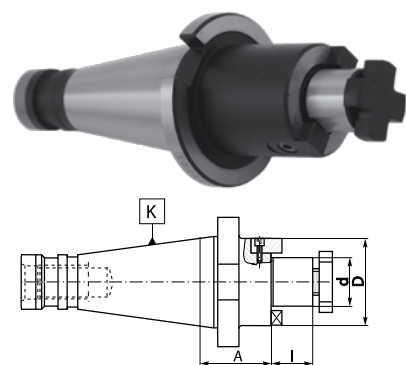
Code No / Kod Nr	K 7:24	d	A	I	D		
0642 173 115 103	30	16	35	17	32	U-0620/0	S-2117/0
0642 173 115 129		22	35	19	40	U-0621/0	S-2121/0
0642 173 115 144		27	35	21	48	U-0622/0	S-2111/0
0642 173 115 157		32	35	24	58	U-0623/0	S-2114/0
0642 173 115 307	40	16	37	17	32	U-0620/0	S-2117/0
0642 173 119 107		16	90	17	32	U-0620/0	S-2117/0
0642 173 115 409		22	37	19	40	U-0621/0	S-2121/0
0642 173 119 209		22	90	19	40	U-0621/0	S-2121/0
0642 173 115 500		27	37	21	48	U-0622/0	S-2111/0
0642 173 117 502		27	90	21	48	U-0622/0	S-2111/0
0642 173 115 602		32	37	24	58	U-0623/0	S-2114/0
0642 173 117 604		32	90	24	58	U-0623/0	S-2114/0
0642 173 115 704		40	37	27	70	U-0624/0	S-2124/0
0642 173 117 706		40	90	27	70	U-0624/0	S-2124/0
0642 173 118 401	50	22	40	19	40	U-0621/0	S-2121/0
0642 173 116 400		22	100	19	40	U-0621/0	S-2121/0
0642 173 118 503		27	40	21	48	U-0622/0	S-2111/0
0642 173 116 501		27	100	21	48	U-0622/0	S-2111/0
0642 173 118 605		32	40	24	58	U-0623/0	S-2114/0
0642 173 116 603		32	100	24	58	U-0623/0	S-2114/0
0642 173 118 707		40	40	27	70	U-0624/0	S-2124/0
0642 173 116 705		40	100	27	70	U-0624/0	S-2124/0
0642 173 118 809		50	40	30	90	U-0625/0	U-5974/0
0642 173 116 807		50	100	30	90	U-0625/0	U-5974/0

Typical order/Sposób zamawiania: 0642 173 119 107 lub 7311-40-16-90

Type 7311 QC

SHELL MILL ADAPTERS for cutters with driving slot DIN 138

TRZPIENIE FREZARSKIE ZABIERAKOWE do frezów z rowkiem zabierakowym DIN 138



QUICK CHANGE

DIN 2080

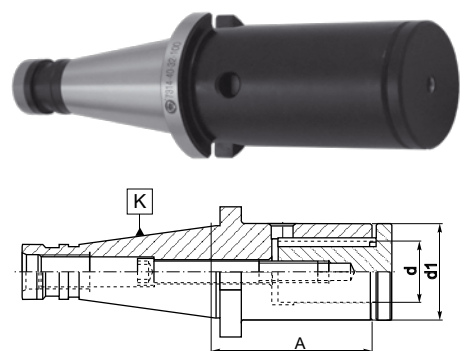
Code No / Kod Nr	K 7:24	d	A	I	D		
0642 173 115 220	30	16	45	17	32	U-0620/0	S-2117/0
0642 173 115 233		22	45	19	40	U-0621/0	S-2121/0
0642 173 115 246		27	45	21	48	U-0622/0	S-2111/0
0642 173 115 259		32	45	24	58	U-0623/0	S-2114/0
0642 173 115 806	40	16	50	17	32	U-0620/0	S-2117/0
0642 173 115 819		16	90	17	32	U-0620/0	S-2117/0
0642 173 115 821		22	50	19	40	U-0621/0	S-2121/0
0642 173 115 834		22	90	19	40	U-0621/0	S-2121/0
0642 173 115 847		27	50	21	48	U-0622/0	S-2111/0
0642 173 115 850		27	90	21	48	U-0622/0	S-2111/0
0642 173 115 862		32	50	24	58	U-0623/0	S-2114/0
0642 173 115 875		32	90	24	58	U-0623/0	S-2114/0
0642 173 115 888		40	50	27	70	U-0624/0	S-2124/0
0642 173 115 890		40	90	27	70	U-0624/0	S-2124/0

Typical order/Sposób zamawiania: 0642 173 115 890 lub 7311-40-40-90 QC

Type 7314

MILLING ARBORS for staggered tooth side milling cutters

TRZPIENIE FREZARSKIE do frezów tarczowych



DIN 2080

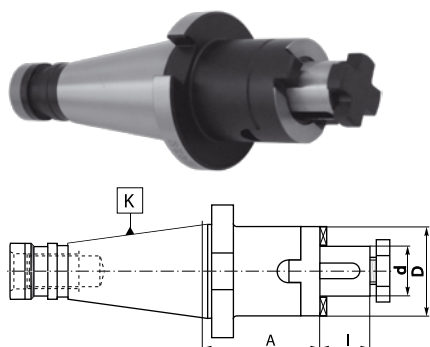
Code No / Kod Nr	K 7:24	d	d1	A	Capacity Zakres			
0642 173 141 104	40	16	29	70	0-10	U-6520/0	U-6510/0	U-6526/0
0642 173 141 603		16	29	100	0-16	U-6520/0	U-6511/0	U-6527/0
0642 173 141 206		22	36	70	0-10	U-6523/0	U-6512/0	U-6528/0
0642 173 141 705		22	36	100	0-20	U-6523/0	U-6513/0	U-6529/0
0642 173 141 308		27	42	70	0-10	U-6523/0	U-6514/0	U-6530/0
0642 173 141 807		27	42	100	0-20	U-6523/0	U-6515/0	U-6531/0
0642 173 141 400		32	50	70	0-10	U-6523/0	U-6516/0	U-6532/0
0642 173 141 909		32	50	100	0-20	U-6523/0	U-6517/0	U-6533/0
0642 173 141 501		40	58	70	0-10	U-6523/0	U-6518/0	U-6534/0
0642 173 142 003		40	58	100	0-20	U-6523/0	U-6519/0	U-6535/0
0642 173 142 105	50	27	42	75	0-10	U-6524/0	U-6514/0	U-6530/0
0642 173 142 400		27	42	105	0-20	U-6524/0	U-6515/0	U-6531/0
0642 173 142 207		32	50	75	0-10	U-6524/0	U-6516/0	U-6532/0
0642 173 142 502		32	50	105	0-20	U-6524/0	U-6517/0	U-6533/0
0642 173 142 309		40	58	75	0-10	U-6524/0	U-6518/0	U-6534/0
0642 173 142 604		40	58	105	0-20	U-6524/0	U-6519/0	U-6535/0

Typical order/Sposób zamawiania: 0642 173 142 003 lub 7314-40-40-100

Type 7332

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

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



Code No / Kod Nr	K 7:24	d	A	I	D			
0642 173 320 203	30	16	35	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 300 207		16	50	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 350 208		16	73	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 320 305		22	35	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 300 309		22	50	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 350 300		22	73	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 320 407		27	35	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 300 400		27	50	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 350 401		27	73	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 305 507		32	50	24	58	U-0623/0	U-1367/0	U-1358/0

DIN 2080

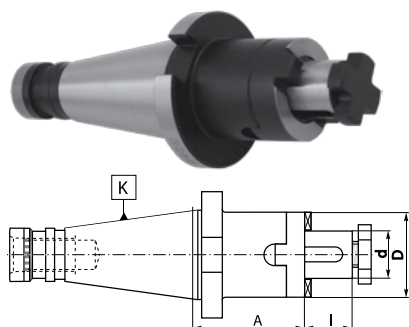
Code No / Kod Nr	K 7:24	d	A	I	D			
0642 173 321 204	40	16	37	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 301 208		16	52	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 351 209		16	75	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 321 306		22	37	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 301 300		22	52	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 351 300		22	75	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 321 408		27	37	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 301 401		27	52	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 351 402		27	75	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 321 500		32	41	24	58	U-0623/0	U-1367/0	U-1358/0
0642 173 301 503		32	52	24	58	U-0623/0	U-1367/0	U-1358/0
0642 173 351 504		32	75	24	58	U-0623/0	U-1367/0	U-1358/0
0642 173 321 601		40	45	27	70	U-0624/0	U-1368/0	U-1359/0
0642 173 301 605		40	52	27	70	U-0624/0	U-1368/0	U-1359/0
0642 173 351 606		40	75	27	70	U-0624/0	U-1368/0	U-1359/0
0642 173 303 200	50	16	55	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 353 200		16	78	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 303 301		22	55	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 353 302		22	78	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 303 403		27	55	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 353 404		27	78	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 303 505		32	55	24	58	U-0623/0	U-1367/0	U-1358/0
0642 173 353 506		32	78	24	58	U-0623/0	U-1367/0	U-1358/0
0642 173 303 607		40	55	27	70	U-0624/0	U-1368/0	U-1359/0
0642 173 353 608		40	78	27	70	U-0624/0	U-1368/0	U-1359/0
0642 173 303 709		50	55	30	90	U-0625/0	U-1369/0	U-1360/0
0642 173 353 700		50	78	30	90	U-0625/0	U-1369/0	U-1360/0

Typical order/Sposób zamawiania: 0642 173 303 709 lub 7332-50-50-55

Type 7332 QC

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

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



QUICK CHANGE

DIN 2080

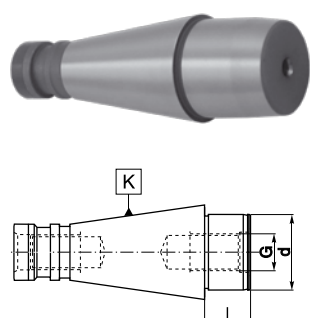
Code No / Kod Nr	K 7:24	d	A	I	D			
0642 173 309 220	30	16	52	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 309 233		22	52	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 309 246		27	54	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 309 259		32	58	24	58	U-0623/0	U-1367/0	U-1358/0
0642 173 309 322	40	16	52	17	32	U-0620/0	U-1364/0	U-1355/0
0642 173 309 335		22	52	19	40	U-0621/0	U-1365/0	U-1356/0
0642 173 309 348		27	54	21	48	U-0622/0	U-1366/0	U-1357/0
0642 173 309 350		32	58	24	58	U-0623/0	U-1367/0	U-1358/0
0642 173 309 363		40	60	27	70	U-0624/0	U-1368/0	U-1359/0

Typical order/Sposób zamawiania: 0642 173 309 350 lub 7332-40-32 QC

Type 7350

CENTRING PLUG ARBORS

TRZPIEŃ FREZARSKI ŚRODKUJĄCY



DIN 2080

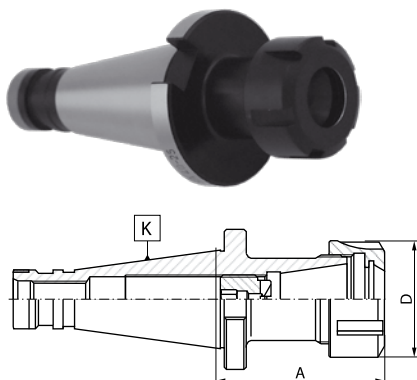
Code No / Kod Nr	K 7:24	d	I	G
0642 173 506 105	40	40	30	M20
0642 173 501 508		40	40	---
0642 173 506 207		50	29	M24
0642 173 507 106	50	40	30	M20
0642 173 507 208		50	30	M24
0642 173 503 601		50	40	---
0642 173 507 300		60	40	M30
0642 173 503 703		60	48	---
0642 173 508 300	60	60	40	---
0642 173 505 705		60	48	---

Typical order/Sposób zamawiania: 0642 173 505 705 lub 7350-60-60-48

Type 7616

COLLET CHUCKS ER for tool with cylindrical shank

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



DIN 2080

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	D		
0642 176 160 417	30	ER16	50	2-10	32	9833-16	M10x11LH
0642 176 160 623		ER32	50	2-20	50	9833-32	M18x1,5x19LH
0642 176 160 302	40	ER25	60	2-16	42	9833-25	M18x1,5x19LH
0642 176 160 700		ER32	60	2-20	50	9833-32	M22x1,5x24LH
0642 176 163 600		ER32	130	2-20	50	9833-32	M22x1,5x24LH
0642 176 161 303		ER40	60	2-26	63	9833-40	M28x1,5x30LH
0642 176 161 802	50	ER32	70	2-20	50	9833-32	M22x1,5x24LH
0642 176 162 905		ER32	130	2-20	50	9833-32	M22x1,5x24LH
0642 176 162 304		ER40	70	2-26	63	9833-40	M28x1,5x30LH
0642 176 162 600		ER40	130	2-26	63	9833-40	M28x1,5x30LH

Typical order/Sposób zamawiania: 0642 176 162 600 lub 7616-50-40-130

Standard accessories:

Nut - page 121
screw

Wyposażenie podstawowe:

Nakrętka - str. 121
wkreć

Optional accessories:

Collets - page 107
wrench - page 121

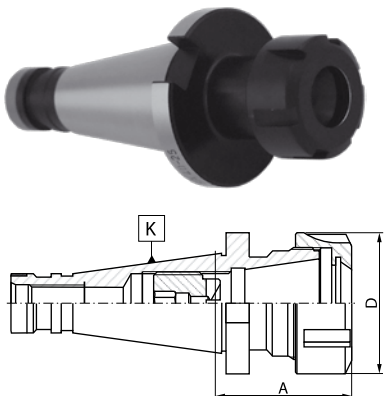
Wyposażenie dodatkowe:

Tulejki zaciskowe - str. 107
klucz - str. 121

Type 7616

COLLET CHUCKS ER for tool with cylindrical shank

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



QUICK CHANGE

DIN 2080

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	D		
0642 176 168 618	30	ER16	50	2-10	32	9833-16	M10x11LH
0642 176 168 710		ER32	50	2-20	50	9833-32	M18x1,5x8LH
0642 176 168 776	40	ER16	100	2-10	32	9833-16	M12x1,5x14LH
0642 176 168 913		ER32	60	2-20	50	9833-32	M22x1,5x24LH
0642 176 169 517		ER32	130	2-20	50	9833-32	M22x1,5x24LH
0642 176 169 710		ER40	60	2-26	63	9833-40	M28x1,5x30LH

Typical order/Sposób zamawiania: 0642 176 169 710 lub 7616-40-40-60 QC

Standard accessories:

Nut - page 121
screw

Wyposażenie podstawowe:

Nakrętka - str. 121
wkreć

Optional accessories:

Collets - page 107
wrench - page 121

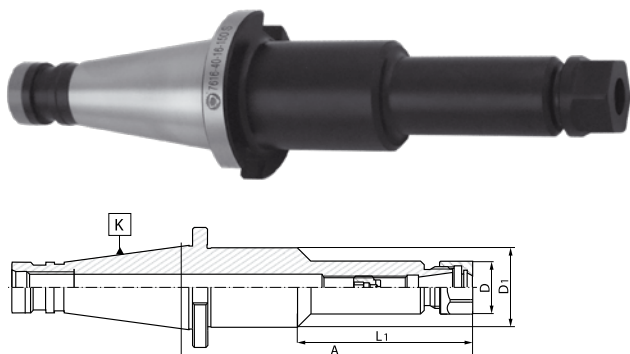
Wyposażenie dodatkowe:

Tulejki zaciskowe - str. 107
klucz - str. 121

Type 7616-S

COLLET CHUCKS ER for tool with cylindrical shank

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



DIN 2080

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	L1	D	D1		
0642 176 164 128	40	ER16	100	2-10	-	28	-	9833-16D	M12x1,5x14LH
0642 176 164 220		ER16	150	2-10	85	28	40	9833-16D	M12x1,5x14LH
0642 176 164 525	50	ER16	100	2-10	-	28	-	9833-16D	M12x1,5x14LH
0642 176 164 627		ER16	150	2-10	85	28	40	9833-16D	M12x1,5x14LH

Typical order/Sposób zamawiania: 0642 176 164 627 lub 7616S-50-16-150 S

Standard accessories:

Nut - page 121
screw

Wyposażenie podstawowe:

Nakrętka - str. 121
wkreć

Optional accessories:

Collets - page 107
wrench - page 121

Wyposażenie dodatkowe:

Tulejki zaciskowe - str. 107
klucz - str. 121

Type 7616

DIN 2080

COLLET CHUCKS ER - SET for tool with cylindrical shank

OPRAWKI ZACISKOWE ER - KOMPLET do narzędzi z chwytem walcowym



Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	Full set pieces Ilość tulejek
0642 176 160 404	30	ER16	50	2-10	8
0642 176 160 506		ER32	50	2-20	18
0642 176 160 109	40	ER25	60	2-16	14
0642 176 160 801		ER32	60	2-20	18
0642 176 163 407		ER32	130	2-20	18
0642 176 161 100		ER40	60	2-26	24
0642 176 161 609	50	ER32	70	2-20	18
0642 176 162 701		ER32	130	2-20	18
0642 176 162 100		ER40	70	2-26	24

Type 7616-PL

Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	Full set pieces Ilość tulejek
0642 176 160 519	30	ER32	50	3-20	8
		Tulejki Ø 4,5,6,8,10,12,16,20			
0642 176 160 827	40	ER32	60	3-20	8
		Tulejki Ø 4,5,6,8,10,12,16,20			
0642 176 161 611	50	ER32	70	3-20	8

Type 7616-S

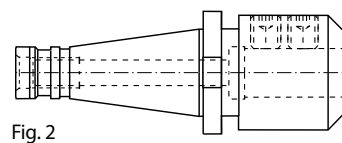
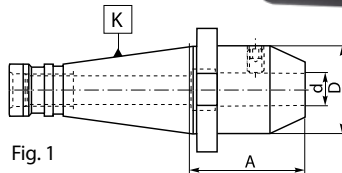
Code No / Kod Nr	K 7:24	Collet Tulejka	A	Capacity Zakres	Full set pieces Ilość tulejek
0642 176 164 102	40	ER16	100	2-10	8
0642 176 164 204		ER16	150	2-10	8
0642 176 164 500	50	ER16	100	2-10	8
0642 176 164 601		ER16	150	2-10	8

Typical order/Sposób zamawiania: 0642 176 162 100 lub 7616-50-40-70

Type 7620 QC

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

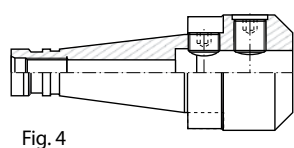
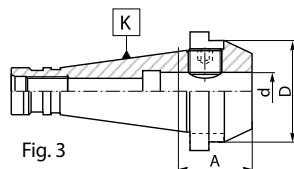
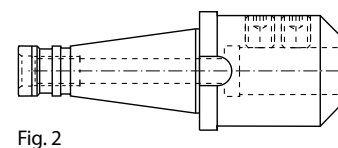
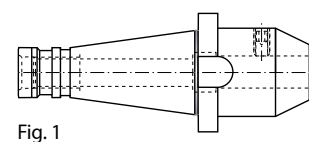
OPRAWKI ZACISKOWE do narzędzi z chwytem walcowym Weldon'a DIN 1835-B



Type 7620

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	D	Fig.	
0642 176 210 105	30	6	40	25	1	U-4131/0
0642 176 210 207		8	40	28	1	U-4132/0
0642 176 210 309		10	40	35	1	U-4133/0
0642 176 210 400		12	40	42	1	U-4134/0
0642 176 210 502		16	50	48	1	U-4135/0
0642 176 210 604		20	63	52	1	U-4136/0
0642 176 210 706		25	68	63	2	U-4137/0
0642 176 217 203	40	6	25	25	3	U-4131/0
0642 176 211 106		6	50	25	1	U-4131/0
0642 176 217 305		8	25	28	3	U-4132/0
0642 176 211 208		8	50	28	1	U-4132/0
0642 176 217 101		10	27	35	3	U-4133/0
0642 176 211 300		10	50	35	1	U-4133/0
0642 176 217 407		12	29	42	3	U-4134/0
0642 176 211 401		12	50	42	1	U-4134/0
0642 176 217 410		14	30	44	3	U-4134/0
0642 176 217 422		14	50	44	1	U-4134/0

QUICK CHANGE

DIN 2080

Code No / Kod Nr	K 7:24	d	A	D	Fig.	
0642 176 218 204	30	6	50	25	1	U-4131/0
0642 176 218 217		8	50	28	1	U-4132/0
0642 176 218 220		10	50	35	1	U-4133/0
0642 176 218 232		12	50	42	1	U-4134/0
0642 176 218 245		16	63	48	1	U-4135/0
0642 176 218 258		20	63	52	1	U-4136/0
0642 176 218 319	40	6	50	25	1	U-4131/0
0642 176 218 334		8	50	28	1	U-4132/0
0642 176 218 350		10	50	35	1	U-4133/0
0642 176 218 375		12	50	42	1	U-4134/0
0642 176 218 390		14	63	42	1	U-4134/0
0642 176 218 410		16	63	48	1	U-4135/0
0642 176 218 436		20	63	52	1	U-4136/0
0642 176 218 500		25	85	63	2	U-4137/0 U-4137/0
0642 176 218 566		32	90	72	2	U-4138/0 U-4138/0

Typical order/Sposób zamawiania: 0642 176 218 566 lub 7620-40-32-90 QC

DIN 2080

Code No / Kod Nr	K 7:24	d	A	D	Fig.	
0642 176 217 509		16	31	44	3	U-5887/0
0642 176 211 503		16	63	48	1	U-4135/0
0642 176 207 055		18	63	50	1	U-4135/0
0642 176 207 103		20	35	52	3	U-6756/0
0642 176 211 605		20	63	52	1	U-4136/0
0642 176 207 307		25	60	65	4	U-6756/0 U-4137/0
0642 176 211 707		25	80	63	2	U-4137/0 U-4137/0
0642 176 207 500		32	70	72	2	U-4138/0 U-4138/0
0642 176 211 809		32	80	72	2	U-4138/0 U-4138/0
0642 176 207 602		32	100	72	2	U-4138/0 U-4138/0
0642 176 213 108	50	6	63	25	1	U-4131/0
0642 176 208 807		6	130	25	1	U-4131/0
0642 176 213 200		8	63	28	1	U-4132/0
0642 176 208 790		8	130	28	1	U-4132/0
0642 176 213 301		10	63	35	1	U-4133/0
0642 176 208 810		10	130	35	1	U-4133/0
0642 176 213 403		12	63	42	1	U-4134/0
0642 176 208 822		12	130	42	1	U-4134/0
0642 176 208 002		14	63	44	1	U-4135/0
0642 176 213 505		16	63	48	1	U-4135/0
0642 176 208 835		16	130	48	1	U-4135/0
0642 176 208 848		16	160	48	1	U-4135/0
0642 176 208 850		16	200	48	1	U-4135/0
0642 176 208 015		18	63	50	1	U-4135/0
0642 176 208 104		20	36	52	3	U-4136/0
0642 176 213 607		20	63	52	1	U-4136/0
0642 176 208 863		20	130	52	1	U-4136/0
0642 176 208 308		25	60	65	4	U-4137/0 U-4137/0
0642 176 213 709		25	80	65	2	U-4137/0 U-4137/0
0642 176 208 351		25	130	65	2	U-4137/0 U-4137/0
0642 176 208 876		25	160	65	2	U-4137/0 U-4137/0
0642 176 208 501		32	70	70	4	U-4138/0 U-4138/0
0642 176 213 800		32	81	70	2	U-4138/0 U-4138/0
0642 176 208 603		32	100	70	2	U-4138/0 U-4138/0
0642 176 208 629		32	130	72	2	U-4138/0 U-4138/0
0642 176 208 889		32	160	72	2	U-4138/0 U-4138/0
0642 176 213 902		40	91	90	2	U-4138/0 U-4138/0
0642 176 208 705		40	100	90	2	U-4138/0 U-4138/0
0642 176 214 109		50	110	97	2	U-4139/0 U-4139/0
0642 176 214 200		63	115	97	2	U-4139/0 U-4139/0

Typical order/Sposób zamawiania: 0642 176 214 200 lub 7620-50-63-115

Type 7627

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

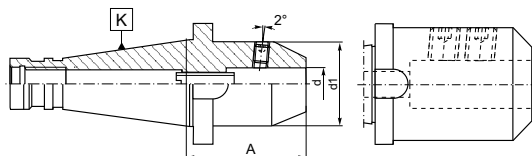


Fig. 1

Fig. 2

DIN 2080

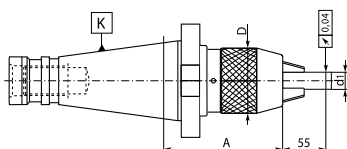
Code No / Kod Nr	K 7:24	d	d1	A	Fig.		
0642 176 270 104	40	6	25	50	1	U-4131/0	U-1599/0
0642 176 270 206		8	28	50	1	U-4132/0	U-6317/0
0642 176 270 308		10	35	50	1	U-4133/0	U-0293/0
0642 176 270 400		12	42	50	1	U-4134/0	U-0757/0
0642 176 270 501		14	44	50	1	U-4134/0	U-6318/0
0642 176 270 603		16	48	63	1	U-4135/0	U-6318/0
0642 176 270 705		18	50	63	1	U-4136/0	U-6793/0
0642 176 270 807		20	52	63	1	U-4136/0	U-6793/0
0642 176 270 909		25	65	80	2	U-4137/0 U-4137/0	U-6794/0
0642 176 271 003		32	72	80	2	U-4138/0 U-4138/0	U-6794/0
0642 176 271 105	50	6	25	63	1	U-4131/0	U-1599/0
0642 176 271 207		8	28	63	1	U-4132/0	U-6317/0
0642 176 271 309		10	35	63	1	U-4133/0	U-0293/0
0642 176 271 400		12	42	63	1	U-4134/0	U-0757/0
0642 176 271 502		14	44	63	1	U-4135/0	U-6318/0
0642 176 271 604		16	48	63	1	U-4135/0	U-6318/0
0642 176 271 706		18	50	63	1	U-4136/0	U-6793/0
0642 176 271 808		20	52	63	1	U-4136/0	U-6793/0
0642 176 271 900		25	65	80	2	U-4137/0 U-4137/0	U-6794/0
0642 176 272 004		32	72	80	2	U-4138/0 U-4138/0	U-6794/0
0642 176 272 106		40	90	90	2	U-5870/0 U-5870/0	U-6794/0

Typical order/Sposób zamawiania: 0642 176 272 106 or 7627-50-40-90

Type 7657

KEYLESS DRILL CHUCKS with shank

OPRAWKA z uchwytem wiertarskim bezkluczykowym



DIN 2080

Code No / Kod Nr	K 7:24	d1	A	D
0642 176 570 401	40	1-13	88	50
0642 176 570 442		3-16	99	57
0642 176 570 503	50	1-13	85	50
0642 176 570 544		3-16	89	57

Typical order/Sposób zamawiania: 0642 176 570 544 or 7657-50-16-89

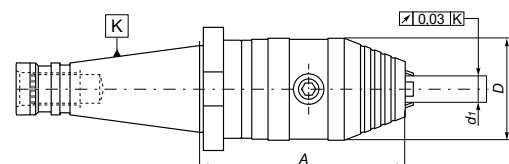
Standard accessories:
wrench

Wyposażenie podstawowe:
klucz

Type 7662

DRILL CHUCKS with exag-key lock system

OPRAWKA z uchwytem wiertarskim kluczykowym



DIN 2080

Code No / Kod Nr	K 7:24	d1	A	D
0642 176 620 204	40	1-13	102	50
0642 176 620 306		3-16	102	50
0642 176 621 205	50	1-13	99	50
0642 176 621 307		3-16	99	50

Typical order/Sposób zamawiania: 0642 176 621 307 or 7662-50-16-99

Standard accessories:
wrench

Wyposażenie podstawowe:
klucz