
DIN 2080

10



NAREX@MTE™



2005

VYROBENO Z VÝKOVKŮ

MATERIÁL:

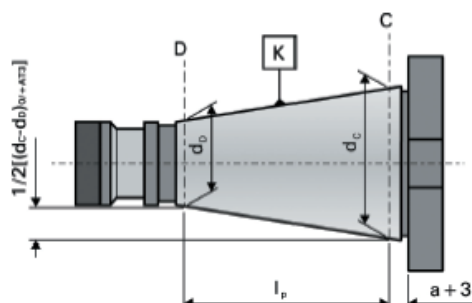
- Legovaná uhlíková ocel (16MnCr5)

PROVEDENÍ:

- Cementováno, kaleno
- Povrchová tvrdost HRC 58±2 (670±40 HV30)
- Minimální hloubka 0,5 mm
- Minimální pevnost v tahu 800 N/mm² po cementaci

Přesnost:

- Upínací stopka dle DIN 254
- Úhel stopky:
tolerance AT 3 DIN 7178 část 1 a DIN 2080 část 1
- Ostatní tolerance v souladu s DIN 7160 a 7168
- Stopka broušena na drsnost Rz<0,001mm



TOLERANCE AT :

- Stanovuje toleranci mezi skutečným povrchem rozměru D a jeho teoretickou hodnotou kuželovitosti
- Hodnota tolerance vztažena k D je vždy menší, nikdy vyšší pro GARANCI dobrého upnutí nástroje.

MANUFACTURED FROM FORGED PARTS

MATERIAL:

- Alloyed carburized steel at chrome-manganese 1.7131 (16MnCr5).

EXECUTION:

- Carburized, hardness.
- Surface hardness HRC 58±2 (670±40 HV30)
- Depth minimum 0,5 mm.
- Tensile strength in core minimum 800 N/mm² after carburizing

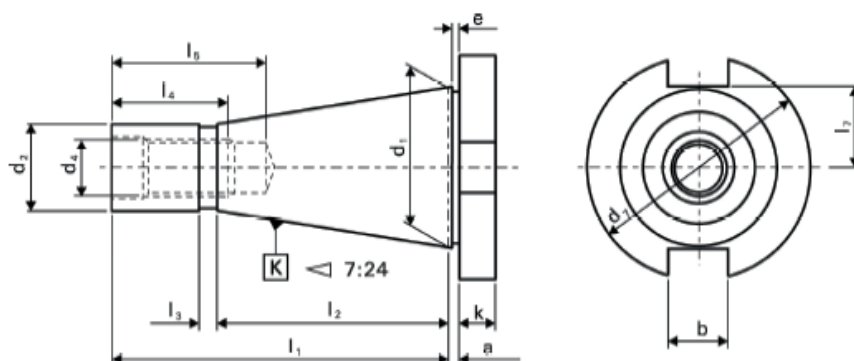
ACCURACY:

- Taper according to DIN 254
- Taper angle:
tolerance AT 3 DIN 7178 part 1 and DIN 2080 part 1
- Other tolerances according to DIN 7160 and 7168
- Taper surface roughness Rz<0,001 mm.

K	AT 3 mm
ISO 30	0,002
ISO 40	0,003
ISO 45	0,003
ISO 50	0,004
ISO 60	0,005

TOLERANCE AT :

- Indicates the tolerance of size D surface between the real and the theoretical value of the taper conicity.
- This value of surface D must always be less (negative), never more (positive) in order to GUARANTEE a good toolholder fixation at the bigger taper diameter.

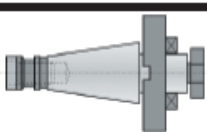


K ISO	a±0,2 mm	b H12 mm	d ₁ mm	d ₂ mm	d ₄ mm	d ₇ mm	k mm
30	1,6	16,1	31,75	17,4	M 12	50	8
40	1,6	16,1	44,45	25,3	M 16	63	10
45	3,2	19,3	57,15	32,4	M 20	80	12
50	3,2	25,7	69,85	39,6	M 24	97,5	12
60	3,2	25,7	107,95	60,2	M 30	156	16

K ISO	l ₁ mm	l ₂ mm	l ₃ mm	l ₄ mm	l ₅ min mm	l ₇ max mm
30	68,4	48,4	3	24	33,5	16,2
40	93,4	65,4	5	32	42,5	22,5
45	106,8	82,8	6	40	52,5	29
50	126,8	101,8	8	47	61,5	35,3

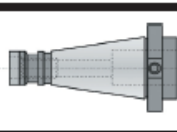
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10.01



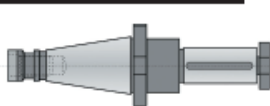
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10.07



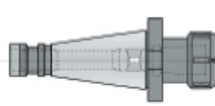
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10.01



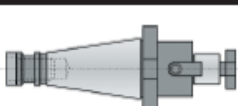
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10.08



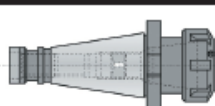
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10.02



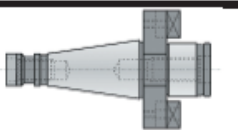
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10.08



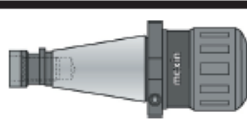
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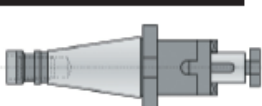
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10.09



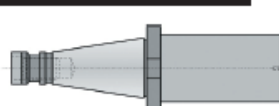
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10.03



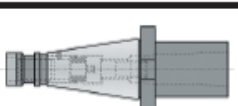
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10.09



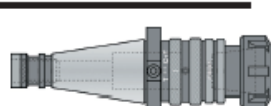
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10.03



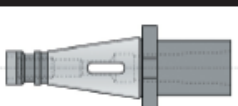
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10.10



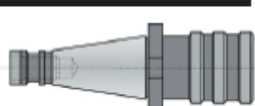
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10.04



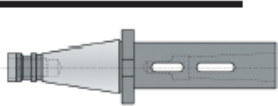
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10.10



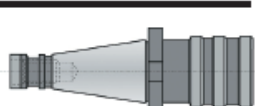
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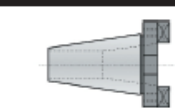
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10.11



10.220

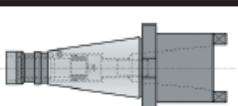
10.04



**ANTIVIBRAČNÍ
ANTIVIBRATORY**

10.225

10.04



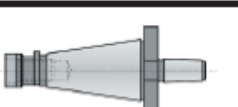
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10.11



10.290

10.05



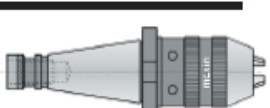
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10.12



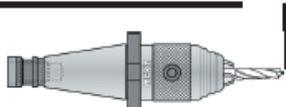
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10.06



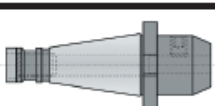
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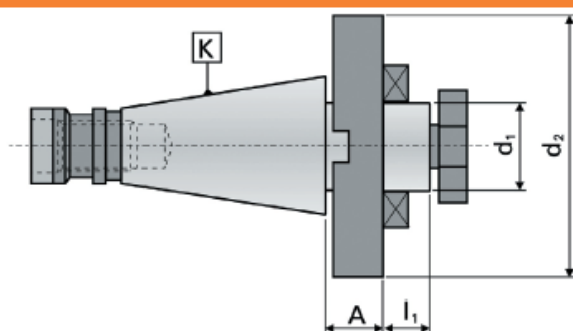
10.06



10.300

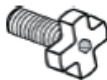

10.07

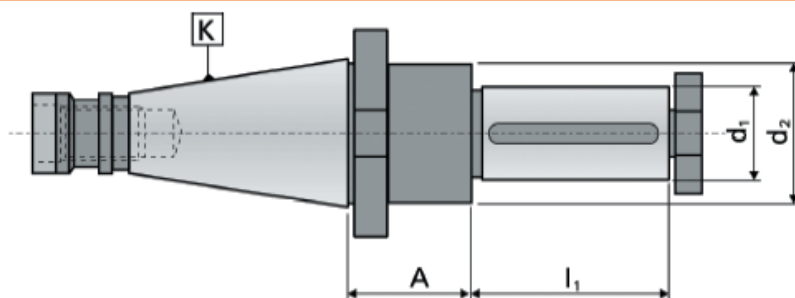




KÓD

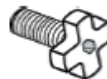

REF. **10.100**

	K ISO	d ₁ h6 mm	A mm	l ₁ mm	d ₂ mm		
10.100.30.16	30	16	15	15	64	89.100.16	89.170.16
10.100.30.22		22	15	17	64	89.100.22	89.170.22
10.100.30.27		27	15	19	64	89.100.27	89.170.27
10.100.30.32		32	15	22	64	89.100.32	89.170.33
10.100.30.40		40	15	25	84	89.100.40	89.170.40
10.100.40.16	40	16	18	15	84	89.100.16	89.170.16
10.100.40.22		22	18	17	84	89.100.22	89.170.22
10.100.40.27		27	18	19	84	89.100.27	89.170.27
10.100.40.32		32	18	22	84	89.100.32	89.170.32
10.100.40.40		40	18	25	84	89.100.40	89.170.41
10.100.40.50		50	18	25	124	89.100.50	89.170.50
10.100.40.60		60	21	29	124	-	89.170.60
10.100.50.22	50	22	23	18	124	89.100.22	89.170.22
10.100.50.27		27	23	20	124	89.100.27	89.170.27
10.100.50.32		32	23	23	124	89.100.32	89.170.32
10.100.50.40		40	23	26	124	89.100.40	89.170.40
10.100.50.50		50	23	27	124	89.100.50	89.170.50
10.100.50.60		60	23	29	124	89.100.60	89.170.60



KÓD

REF. **10.120**

	K ISO	d ₁ h6 mm	A mm	l ₁ mm	d ₂ mm		
10.120.30.13	30	13	35	25	24	89.100.13	89.141.03
10.120.30.16		16	35	30	28	89.100.16	89.141.17
10.120.30.22		22	35	40	36	89.100.22	89.141.25
10.120.30.27		27	35	60	43	89.100.27	89.141.30
10.120.40.16	40	16	37	30	28	89.100.16	89.141.17
10.120.40.22		22	37	40	28	89.100.22	89.141.25
10.120.40.27		27	37	60	43	89.100.27	89.141.30
10.120.40.32		32	37	60	48	89.100.32	89.141.35
10.120.40.40		40	37	60	56	89.100.40	89.141.43
10.120.50.22	50	22	40	40	36	89.100.22	89.141.25
10.120.50.27		27	40	60	43	89.100.27	89.141.30
10.120.50.32		32	40	60	48	89.100.32	89.141.35
10.120.50.40		40	40	60	56	89.100.40	89.141.43
10.120.50.50		50	40	60	70	89.100.50	89.141.53

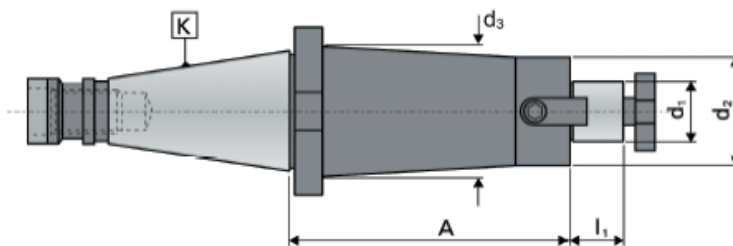
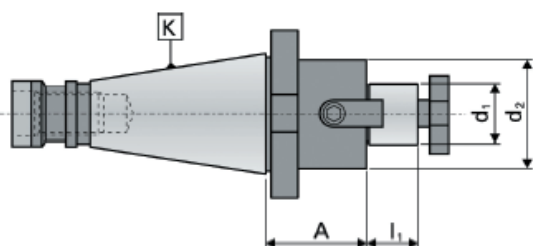


FRÉZOVACÍ TRNY
pro frézy s příčnou unášecí drážkou DIN 138
SHELL MILL ADAPTORS
for cutters with driving slot DIN 138



DIN 2080

ISO 3937

10.160



KÓD
REF. 10.160

	K ISO	d ₁ h6 mm	A mm	l ₁ mm	d ₂ mm	d ₃ mm		
10.160.30.16	30	16	35	17	32		89.100.16	89.171.16
10.160.30.22		22	35	19	40		89.100.22	89.171.22
10.160.30.27		27	35	21	48		89.100.27	89.171.27
10.160.30.32		32	35	24	58		89.100.32	89.171.32
10.160.40.16	40	16	37	17	32		89.100.16	89.171.16
10.160.40.16/100		16	100	17	32	35	89.100.16	89.171.16
10.160.40.22		22	37	19	40		89.100.22	89.171.22
10.160.40.22/100		22	100	19	40	48	89.100.22	89.171.22
10.160.40.27		27	37	21	48		89.100.27	89.171.27
10.160.40.27/100		27	100	21	48	60	89.100.27	89.171.27
10.160.40.32		32	37	24	58		89.100.32	89.171.32
10.160.40.32/125		32	125	24	58	58	89.100.32	89.171.32
10.160.40.40		40	38	27	70		89.100.40	89.171.40
10.160.50.16	50	16	40	17	32		89.100.16	89.171.16
10.160.50.16/150		16	150	17	32	35	89.100.16	89.171.16
10.160.50.22		22	40	19	40		89.100.22	89.171.22
10.160.50.22/150		22	150	19	40	48	89.100.22	89.171.22
10.160.50.27		27	40	21	48		89.100.27	89.171.27
10.160.50.27/150		27	150	21	48	60	89.100.27	89.171.27
10.160.50.32		32	40	24	58		89.100.32	89.171.32
10.160.50.32/150		32	150	24	58	78	89.100.32	89.171.32
10.160.50.40		40	40	27	70		89.100.40	89.171.40
10.160.50.40/150		40	150	27	70	78	89.100.40	89.171.40
10.160.50.50		50	40	30	90		89.100.50	89.171.50

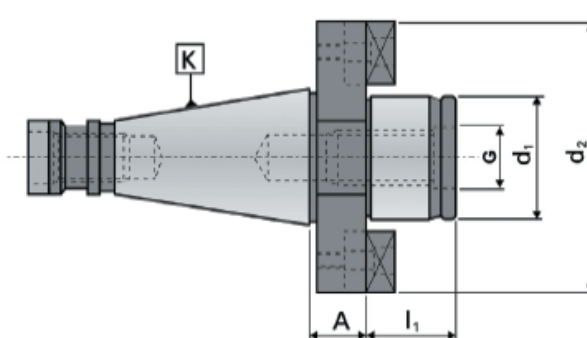
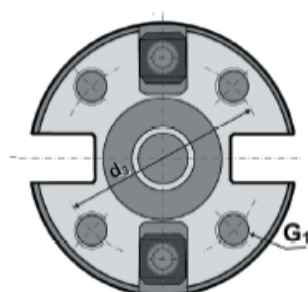


FRÉZOVACÍ TRNY PRO FRÉZOVACÍ HLAVY
ADAPTORS FOR INDEXABLE MILLING CUTTERS


DIN 2080

DIN 6357-Form A

10.165



KÓD
REF. 10.165

	K ISO	d ₁ g5 mm	A mm	d ₂ mm	d ₃ mm	G mm	G ₁ mm	l ₁ mm	
10.165.40.40	40	40	20	89	66,7	M-20	M-12	30	89.172.40
10.165.50.40	50	40	30	89	66,7	M-20	M-12	30	89.172.40
10.165.50.60		60	30	129	101,6	M-30	M-16	40	89.172.60



KOMBINOVANÉ FRÉZOVACÍ TRNY

pro frézy s podélnou nebo příčnou unášecí drážkou DIN 138

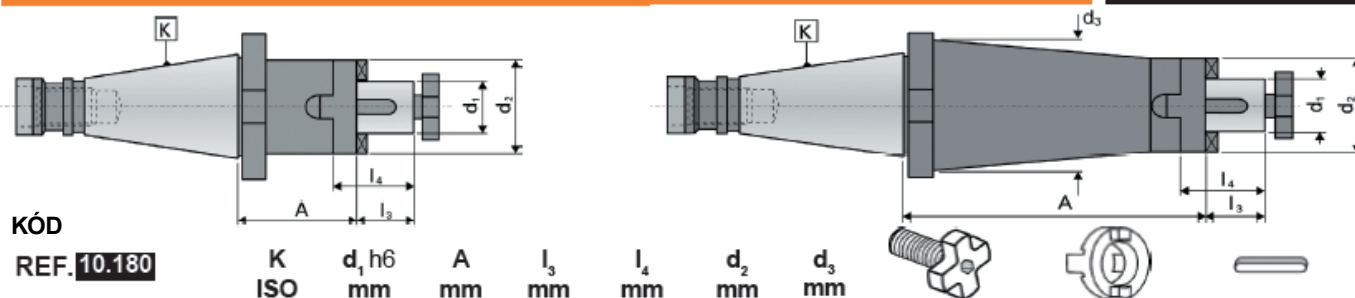
COMBINATION SHELL MILL ADAPTORS

for cutters with keyway or driving slot DIN 138

DIN 2080

DIN 6358-Form A

10.180



KÓD

REF. 10.180

	K ISO	d ₁ h6 mm	A mm	l ₃ mm	l ₄ mm	d ₂ mm	d ₃ mm			
10.180.30.16	30	16	35	17	27	32		89.100.16	89.161.16	89.141.16
10.180.30.22		22	35	19	31	40		89.100.22	89.161.22	89.141.22
10.180.30.27		27	35	21	33	48		89.100.27	89.161.27	89.141.27
10.180.30.32		32	50	24	38	58		89.100.32	89.161.32	89.141.32
10.180.40.16	40	16	52	17	27	32		89.100.16	89.161.16	89.141.16
10.180.40.16/125		16	125	17	27	32	35	89.100.16	89.161.16	89.141.16
10.180.40.22		22	52	19	31	40		89.100.22	89.161.22	89.141.22
10.180.40.22/125		22	125	19	31	40	48	89.100.22	89.161.22	89.141.22
10.180.40.27		27	52	21	33	48		89.100.27	89.161.27	89.141.27
10.180.40.27/125		27	125	21	33	48	60	89.100.27	89.161.27	89.141.27
10.180.40.32		32	52	24	38	58		89.100.32	89.161.32	89.141.32
10.180.40.32/125		32	125	24	38	58	58	89.100.32	89.161.32	89.141.32
10.180.40.40		40	52	27	41	70		89.100.40	89.161.40	89.141.40
10.180.50.16	50	16	55	17	27	32		89.100.16	89.161.16	89.141.16
10.180.50.16/125		16	125	17	27	32	35	89.100.16	89.161.16	89.141.16
10.180.50.22		22	55	19	31	40		89.100.22	89.161.22	89.141.22
10.180.50.22/125		22	125	19	31	40	48	89.100.22	89.161.22	89.141.22
10.180.50.22/200		22	200	19	31	40	48	89.100.22	89.161.22	89.141.22
10.180.50.27		27	55	21	33	48		89.100.27	89.161.27	89.141.27
10.180.50.27/125		27	125	21	33	48	60	89.100.27	89.161.27	89.141.27
10.180.50.27/200		27	200	21	33	48	60	89.100.27	89.161.27	89.141.27
10.180.50.32		32	55	24	38	58		89.100.32	89.161.32	89.141.32
10.180.50.32/125		32	125	24	38	58	78	89.100.32	89.161.32	89.141.32
10.180.50.32/200		32	200	24	38	58	78	89.100.32	89.161.32	89.141.32
10.180.50.40		40	55	27	41	70		89.100.40	89.161.40	89.141.40
10.180.50.40/125		40	125	27	41	70	78	89.100.40	89.161.40	89.141.40
10.180.50.50		50	55	30	46	90		89.100.50	89.161.40	89.141.50



REDUKCE

pro stopky Morse (Mk) dle DIN 228-A

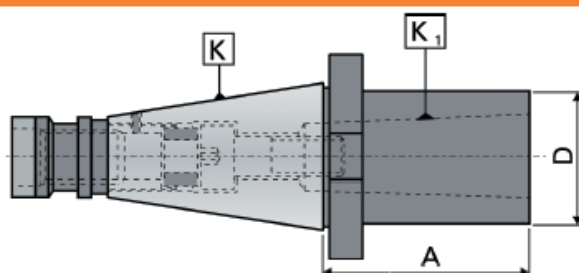
REDUCING ADAPTORS

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

DIN 2080

DIN 6364-Form A
ISO 5415

10.210



KÓD

REF. 10.210

	K ISO	K ₁ MORSE	A mm	D mm		
10.210.30.01	30	1	50	25	89.195.31	89.120.26
10.210.30.02		2	50	32	89.195.32	89.124.18
10.210.30.03		3	76	40	89.195.33	89.124.29
10.210.40.01	40	1	50	25	89.195.41	89.120.28
10.210.40.02		2	50	32	89.195.42	89.120.52
10.210.40.03		3	65	40	89.195.43	89.120.69
10.210.40.04		4	95	48	89.195.44	89.124.35
10.210.50.01	50	1	60	25	89.195.51	89.120.36
10.210.50.02		2	60	32	89.195.52	89.120.61
10.210.50.03		3	65	40	89.195.53	89.120.75
10.210.50.04		4	65	48	89.195.54	89.120.82
10.210.50.05		5	100	63	89.195.55	89.120.90

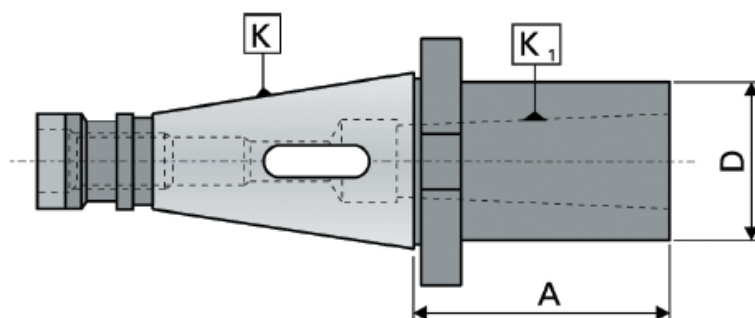


REDUKCE
pro stopky Morse (Mk) dle DIN 228-B
REDUCING ADAPTORS
for tools with Morse taper and tang DIN 228-B shank

DIN 2080

**DIN 6383
ISO 4202**

10.215



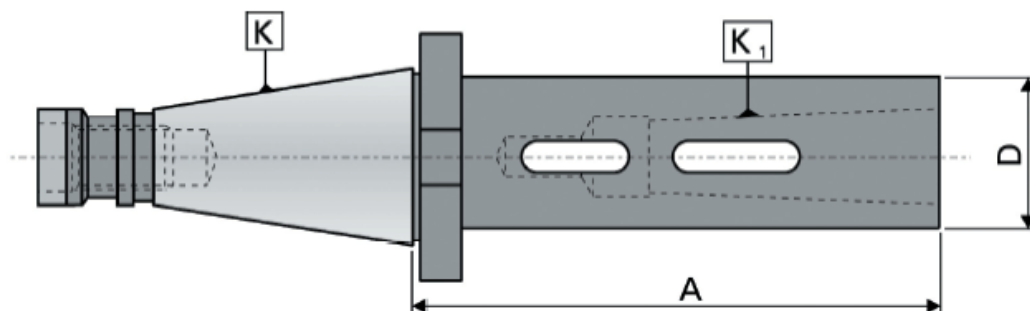
KÓD REF. 10.215	K ISO	K ₁ MORSE	A mm	D mm
10.215.30.01	30	1	50	25
10.215.30.02		2	50	32
10.215.30.03		3	76	40
10.215.40.01	40	1	50	25
10.215.40.02		2	50	32
10.215.40.03		3	65	40
10.215.40.04		4	95	48
10.215.50.01	50	1	45	25
10.215.50.02		2	60	32
10.215.50.03		3	65	40
10.215.50.04		4	70	48
10.215.50.05		5	105	63



PRODLOUŽENÉ REDUKCE
pro stopky Morse (Mk) dle DIN 228-B
LONG REDUCING ADAPTORS
for tools with Morse taper and tang DIN 228-B shank

DIN 2080

10.216



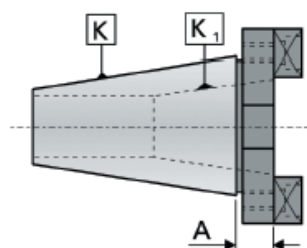
KÓD REF. 10.216	K ISO	K ₁ MORSE	A mm	D mm
10.216.40.02	40	2	110	32
10.216.40.03		3	135	40
10.216.40.04		4	160	48
10.216.50.02	50	2	115	32
10.216.50.03		3	140	40
10.216.50.04		4	165	48
10.216.50.05		5	215	63



REDUKCE
pro ISO stopky dle DIN 2080
REDUCING ADAPTORS
for tools with DIN 2080 ISO taper shank

DIN 2080

10.220



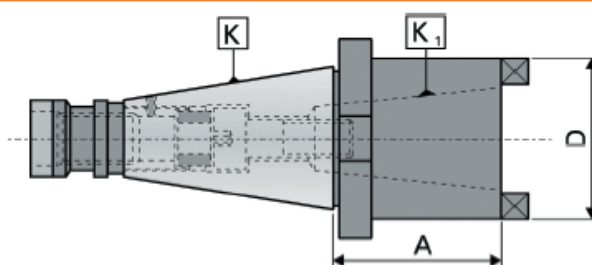
REF. 10.220	K ISO	K ₁ ISO	A mm	
10.220.40.30	40	30	19	89.174.40
10.220.50.30	50	30	23	89.174.40
10.220.50.40		40	23	89.174.40



REDUKCE
pro ISO stopky dle DIN 2080
REDUCING ADAPTORS
for tools with DIN 2080 ISO taper shank

DIN 2080

10.225



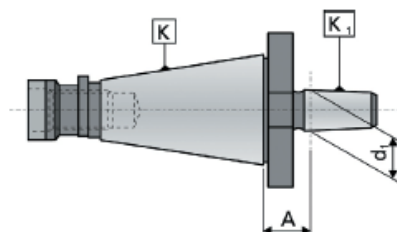
KÓD REF. 10.225	K ISO	K ₁ ISO	A mm	D mm		
10.225.40.30	40	30	50	50	89.195.43	89.120.69
10.225.50.30	50	30	50	50	89.195.53	89.120.76
10.225.50.40		40	50	63	89.195.54	89.120.81



TRNY
pro vrtačková sklíčidla dle DIN 238 (stopka)
DRILL CHUCK ADAPTORS
for Drill chucks with DIN 238 taper

DIN 2080

10.290



35.292
35.293
35.294

KÓD REF. 10.290	K ISO	K ₁ DIN 238	A mm	d ₁ mm
10.290.30.12	30	B-12	15	12,065
10.290.30.16		B-16	15	15,733
10.290.40.12	40	B-12	17	12,065
10.290.40.16		B-16	17	15,733
10.290.40.18		B-18	17	17,437
10.290.50.16	50	B-16	20	15,733
10.290.50.18		B-18	20	17,437

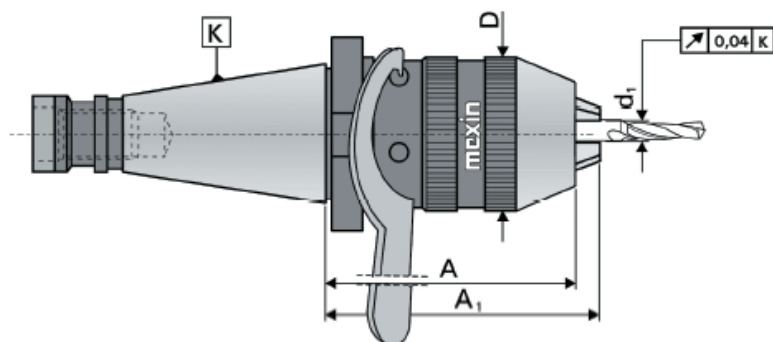


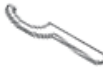

SAMOSVORNÁ PŘESNÁ VRTACÍ HLAVIČKA
pouze pro pravý chod (otáčky)
SELF CLAMPING SHORT PRECISION DRILL CHUCKS
for right turn only

DIN 2080

10.295

UPÍNACÍ MOMENT:
TIGHTENING TORQUE: } > 70 Nm



KÓD REF. 10.295	K ISO	d ₁ mm	D mm	A mm	A ₁ max mm		
10.295.30.08	30	0 - 8	36	66	74,5	89.200.08	89.220.08
10.295.40.08	40	0 - 8	36	60	68	89.200.08	89.220.08
10.295.40.13		0-13	50,5	86,5	97,5	89.200.13	89.220.13
10.295.40.16		3-16	56	94	107	89.200.16	89.220.16
10.295.50.13	50	0-13	50,5	81	92	89.200.13	89.220.13
10.295.50.16		3-16	56	86	99	89.200.16	89.220.16

* DODÁVKA S KLÍČEM

* SE SUMINISTRA CON LLAVE

* SUPPLIED WITH WRENCH

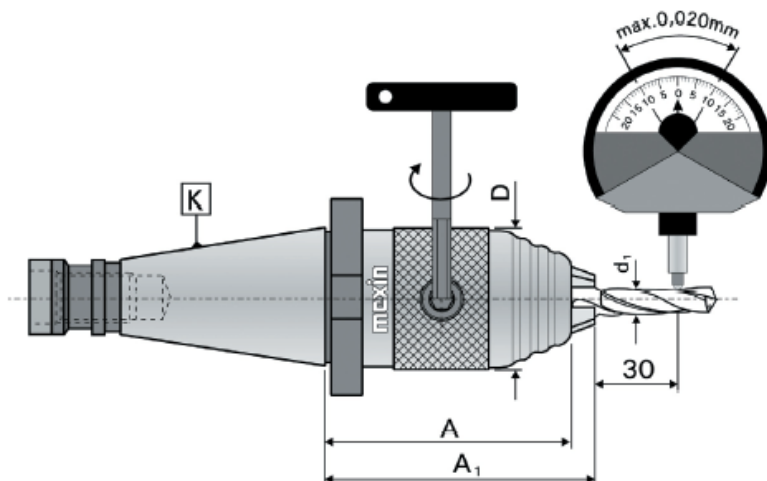




PŘESNÁ UNIVERZÁLNÍ CNC VRTACÍ HLAVIČKA
pro pravý a levý směr otáček
CNC-UNIVERSAL PRECISION DRILL CHUCKS
for left and right and turn

DIN 2080

10.296

UPÍNACÍ MOMENT:
TIGHTENING TORQUE: } > 70 Nm



KÓD REF. 10.296	K ISO	d ₁ mm	D mm	A mm	A ₁ max mm		
10.296.40.13	40	1-13	50	74	81	89.206.06	89.220.13
10.296.40.16		3-16	56	83	90	89.206.06	89.220.13
10.296.50.13	50	1-13	50	78	85	89.206.06	89.220.13
10.296.50.16		3-16	56	87	94	89.206.06	89.220.13

* DODÁVKA S KLÍČEM

* SE SUMINISTRA SIN LLAVE

* SUPPLIED WITHOUT WRENCH

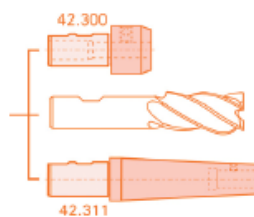
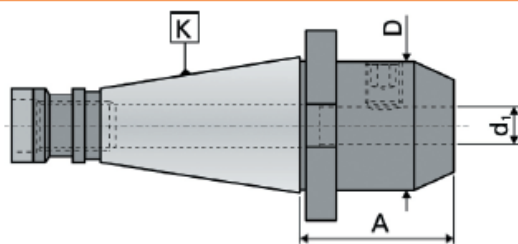



DRŽÁKY PRO UPÍNÁNÍ FRÉZ
s válcovou stopkou s ploškou DIN 1835-B WELDON
WELDON END MILL ADAPTORS
for cutters with cylindrical shank and weldon flat DIN 1835-B

DIN 2080

DIN 6359 - Form A
ISO 5414

10.300



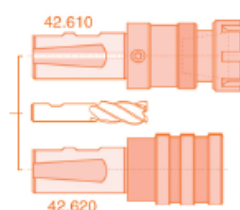
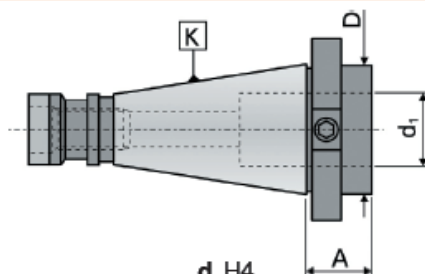
KÓD REF. 10.300	K ISO	d ₁ H4 mm	A mm	D mm	
10.300.30.06	30	6	40	25	89.122.20
10.300.30.08		8	40	28	89.122.35
10.300.30.10		10	40	35	89.122.40
10.300.30.12		12	40	42	89.122.50
10.300.30.14		14	40	44	89.122.50
10.300.30.16		16	50	48	89.122.60
10.300.30.18		18	50	50	89.122.60
10.300.40.06	40	6	50	25	89.122.20
10.300.40.08		8	50	28	89.122.35
10.300.40.10		10	50	35	89.122.40
10.300.40.12		12	50	42	89.122.50
10.300.40.14		14	63	44	89.122.50
10.300.40.16		16	63	48	89.122.60
10.300.40.18		18	63	50	89.122.60
10.300.40.20		20	63	52	89.122.65
10.300.40.25		25	80	65	89.122.75
10.300.40.32		32	80	72	89.122.80
10.300.40.40		40	102	90	89.122.80
10.300.50.06	50	6	63	25	89.122.20
10.300.50.08		8	63	28	89.122.35
10.300.50.10		10	63	35	89.122.40
10.300.50.12		12	63	42	89.122.50
10.300.50.14		14	63	44	89.122.50
10.300.50.16		16	63	48	89.122.60
10.300.50.18		18	63	50	89.122.60
10.300.50.20		20	63	52	89.122.65
10.300.50.25		25	80	65	89.122.75
10.300.50.32		32	80	72	89.122.80
10.300.50.40		40	90	90	89.122.80
10.300.50.50		50	100	98	89.122.85




KRÁTKÉ DRŽÁKY PRO UPÍNÁNÍ FRÉZ
s válcovou stopkou s ploškou DIN 1835-B
SHORT END MILL ADAPTORS
for cutters and tooling with cylindrical shank and weldon flat DIN 1835-B

DIN 2080

10.302



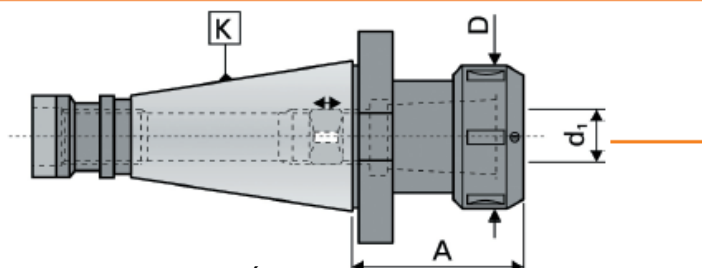
KÓD REF. 10.302	K ISO	d ₁ H4 mm	A mm	D mm	
10.302.30.16	30	16	20	32	89.122.57
10.302.30.20		20	34	36	89.122.56
10.302.40.16	40	16	22	44	89.122.59
10.302.40.20		20	22	44	89.122.63
10.302.40.25		25	22	44	89.122.69
10.302.50.16	50	16	16	---	89.122.60
10.302.50.20		20	16	---	89.122.65
10.302.50.25		25	16	---	89.122.75
10.302.50.32		32	16	---	89.122.78



KLEŠTINOVÉ UPÍNAČE PRO KLEŠTINY DIN 6388
pro nástroje s válcovou stopkou DIN 1835-B
COLLET CHUCKS FOR DIN 6388 COLLETS
for tools with cylindrical shank DIN 1835-B

DIN 2080

10.351/3



80.394

MATICE S LOŽISKEM
WITH BALL BEARING NUT

REF. **10.351**



A mm 80.391

STANDARDNÍ MATICE
WITH NORMAL NUT

REF. **10.353**



A mm 80.393

K

ISO

d₁ mm

D mm



10.351.30.16	43	80.391.16	10.353.30.16	43	80.393.16	30	2-16	43	89.201.16	89.192.16
10.351.30.25	70	80.391.25	10.353.30.25	70	80.393.25		3-25	60	89.201.25	89.192.16
10.351.40.16	50	80.391.16	10.353.40.16	50	80.393.16	40	2-16	43	89.201.16	89.192.16
10.351.40.25	63	80.391.25	10.353.40.25	63	80.393.25		3-25	60	89.201.25	89.192.26
10.351.40.32	90	80.391.32	10.353.40.32	90	80.393.32		4-32	72	89.201.32	89.192.26
10.351.50.25	63	80.391.25	10.353.50.25	63	80.393.25	50	3-25	60	89.201.25	89.192.26
10.351.50.32	70	80.391.32	10.353.50.32	70	80.393.32		4-32	72	89.201.32	89.192.34

* DODÁVKA BEZ KLÍČE

* SE SUMINISTRA SIN LLAVE

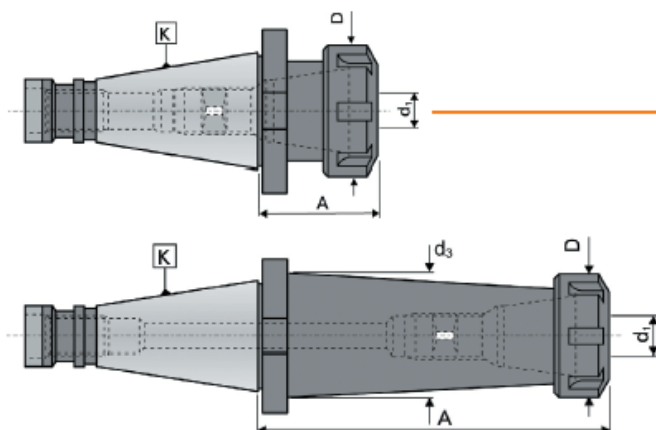
* SUPPLIED WITHOUT WRENCH



KLEŠTINOVÉ UPÍNAČE PRO ER KLEŠTINY DIN 6499
pro nástroje s válcovou stopkou
COLLET CHUCKS FOR DIN 6499 (ER) COLLETS
for tools with cylindrical shank

DIN 2080

10.451/3



80.494/7

40.453/455

80.498

MATICE S LOŽISKEM
WITH BALL BEARING NUT

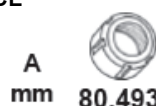
REF. **10.451**



A mm 80.491

STANDARDNÍ MATICE
WITH NORMAL NUT

REF. **10.453**



A mm 80.493

K

ISO

d₁ mm

D mm

d₃ mm



10.451.30.16	44,7	80.491.16	10.453.30.16	42	80.493.16	30	ER 25	1-16	42		89.202.16	89.192.16
10.451.30.20	54	80.491.20	10.453.30.20	50	80.493.20		ER 32	2-20	50		89.202.20	89.192.20
10.451.40.16	46,7	80.491.16	10.453.40.16	44	80.493.16	40	ER 25	1-16	42		89.202.16	89.192.16
10.451.40.20	52	80.491.20	10.453.40.20	48	80.493.20		ER 32	2-20	50		89.202.20	89.192.20
10.451.40.20/070	74	80.491.20	10.453.40.20/070	70	80.493.20		ER 32	2-20	50		89.202.20	89.192.20
10.451.40.20/150	154	80.491.20	10.453.40.20/150		80.493.20		ER 32	2-20	50	50	89.202.20	89.192.20
10.451.40.26	55,3	80.491.26	10.453.40.26	51	80.493.26		ER 40	3-30	63		89.202.26	89.192.26
10.451.50.16	48,7	80.491.16	10.453.50.16	46	80.493.16	50	ER 25	1-16	42		89.202.16	89.192.16
10.451.50.16/150	152,7	80.491.16	10.453.50.16/150	150	80.493.16		ER 25	1-16	42	42	89.202.16	89.192.16
10.451.50.20	64	80.491.20	10.453.50.20	60	80.493.20		ER 32	2-20	50		89.202.20	89.192.20
10.451.50.20/150	154	80.491.20	10.453.50.20/150	150	80.493.20		ER 32	2-20	50	50	89.202.20	89.192.20
10.451.50.26	64,3	80.491.26	10.453.50.26	60	80.493.26		ER 40	3-30	63		89.202.26	89.192.26
10.451.50.26/150	154,3	80.491.26	10.453.50.26/150	150	80.493.26		ER 40	3-30	63	63	89.202.26	89.192.26
10.451.50.34	69,7	80.491.34	10.453.50.34	65	80.493.34		ER 50	6-34	78		89.202.34	89.192.34

* DODÁVKA BEZ KLÍČE

* SE SUMINISTRA SIN LLAVE

* SUPPLIED WITHOUT WRENCH

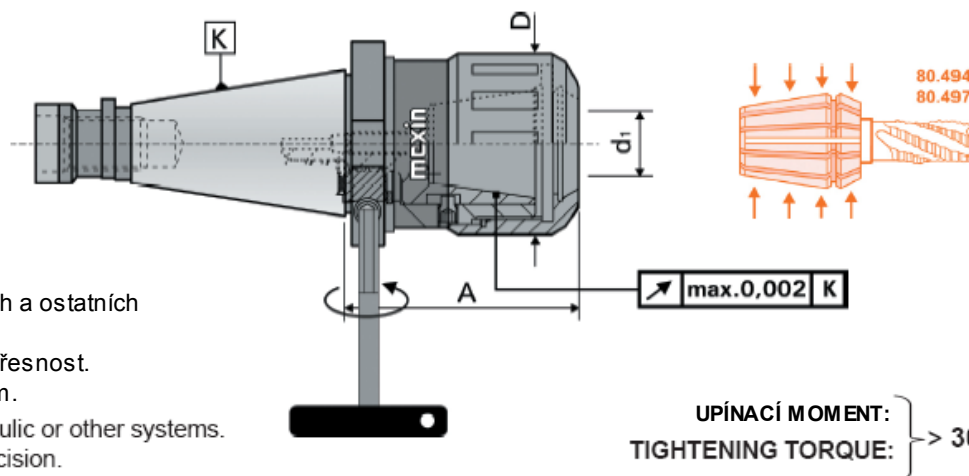


MECHANICKÝ KLEŠTINOVÝ UPÍNAČ S VYSOKÝM UPÍNACÍM MOMENTEM pro ER kleštiny DIN 6499

MECHANICAL COLLET CHUCKS WITH HIGH TIGHTENING TORQUE for DIN 6499 (ER) collets

DIN 2080

10.457



Alternativa hydraulických a ostatních upínačů.

Vysoká upínací síla a přesnost.

Prívod chlazení středem.

The alternative to hydraulic or other systems.

High tightening and precision.

Central coolant supply.

REF. 10.457

K
ISO



d₁
mm

A
mm

D
mm



10.457.40.20	40	ER 32	2-20	80	54	80.457.20	89.190.19	89.206.04
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10.457.50.20	50	ER 32	2-20	85	54	80.457.20	89.190.19	89.206.04
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10.457.50.30		ER 40	3-30	97	65	80.457.30	80.190.41	89.206.06
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* DODÁVKA S KLÍČEM

* SE SUMINISTRA CON LLAVE

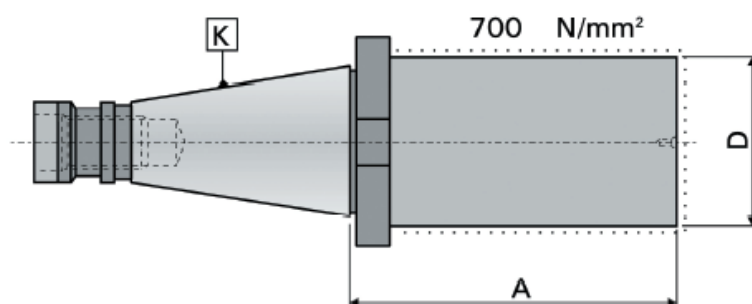
* SUPPLIED WITH WRENCH



POLOTOVAR pro upínače, vyvrtávací tyče BLANK ADAPTORS

DIN 2080

10.470



REF. 10.470

K
ISO

D
mm

A
mm

10.470.30.40	30		40,5	160
10.470.40.40	40		40,5	100
10.470.40.40/160			40,5	160
10.470.40.50			50,5	100
10.470.40.50/200			50,5	200
10.470.40.63			63,5	160
10.470.40.63/250			63,5	250
10.470.50.40	50		40,5	100
10.470.50.40/160			40,5	160
10.470.50.50			50,5	100
10.470.50.50/200			50,5	200
10.470.50.63			63,5	200
10.470.50.63/315			63,5	315
10.470.50.95			95,5	200
10.470.50.95/315			95,5	315



ZÁVITOŘEZNÁ HLAVA S AXIÁLNÍ KOMPENZACÍ upínání závitníků pomocí ER kleštin s vnitřním čtyřhranem TAPPING HEAD WITH AXIAL COMPENSATION Hold tape with DIN 6499 (ER) collets and with inner coolant.

DIN 2080

10.610

Kompensace stlačením (C) a vytažením (T).

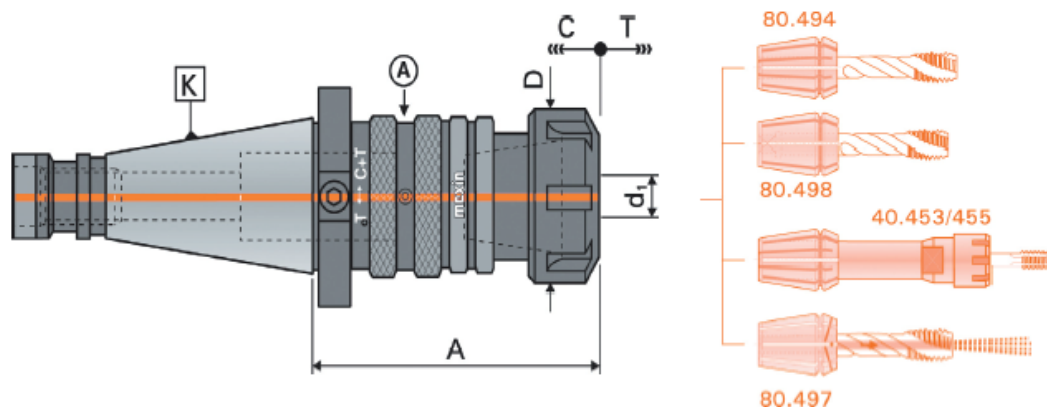
Stlačení může být blokováno otočením kroužku doprava (A)
pro řízení hloubku závitů.

Přívod chlazení středem.

Compensation in compression (C) and tension (T)

Compression can be blocked by turning the rear ring
(A) Control of thread depth.

Central coolant supply.



REF. 10.610	K ISO			A mm	D mm	C mm	T mm		
10.610.30.12	30	ER 16	M3-M12	100,5	28	5,5	6	80.493.10	89.202.10
10.610.40.12	40	ER 16	M3-M12	88,5	28	5,5	6	80.493.10	89.202.10
10.610.40.20		ER 25	M4-M20	112	42	10,5	7,5	80.493.16	89.202.16
10.610.40.33		ER 40	M8-M33	128	63	10	10	80.493.26	89.202.26
10.610.50.12	50	ER 16	M3-M12	82,5	28	5,5	6	80.493.10	89.202.10
10.610.50.20		ER 25	M4-M20	106	42	10,5	7,5	80.493.16	89.202.16
10.610.50.33		ER 40	M8-M33	122	63	10	10	80.493.26	89.202.26
* DODÁVKA S KLÍČEM		* SE SUMINISTRA CON LLAVE			* SUPPLIED WITH WRENCH				



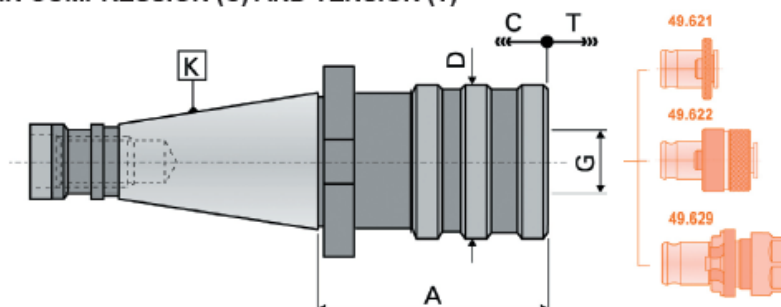
ZÁVITOŘEZNÁ POUZDRA S AXIÁLNÍ KOMPENZACÍ s rychlo výměnným systémem Bilz QUICK CHANGE TAPPING HEAD WITH AXIAL COMPENSATION with tap chucks bushings system Bilz

DIN 2080

10.620

KOMPENZACE STLAČENÍM (C) A VYSUNUTÍM (T)

COMPENSATION IN COMPRESSION (C) AND TENSION (T)



REF. 10.620	K ISO	G No. Ø		A mm	D mm	C mm	T mm		
10.620.30.12	30	1 19	M3 - M12	41	38	9	9	49.621.12.xx	49.622.12.xx
10.620.40.12	40	1 19	M3 - M12	41	38	9	9	49.621.12.xx	49.622.12.xx
10.620.40.20		2 31	M8 - M20	63	55	15	15	49.621.20.xx	49.622.20.xx
10.620.40.33		3 48	M14-M33	97	79	24	24	49.621.33.xx	49.622.33.xx
10.620.50.12	50	1 19	M3 - M12	41	38	9	9	49.621.12.xx	49.622.12.xx
10.620.50.20		2 31	M8 - M20	20	55	15	15	49.621.20.xx	49.622.20.xx
10.620.50.33		3 48	M14-M33	97	79	24	24	49.621.33.xx	49.622.33.xx

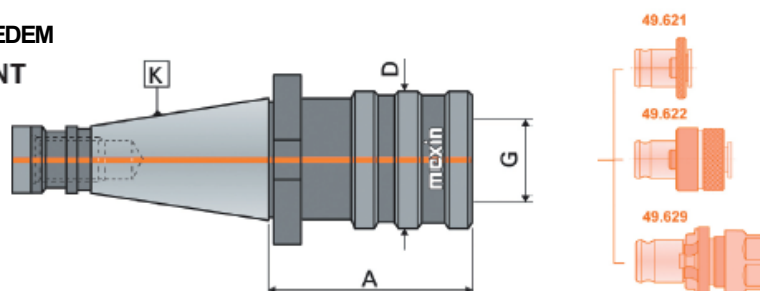


ZÁVITOŘEZNÁ POUZDRA PRO ŘEZÁNÍ NATVRDO
bez axiální kompenzace, rychlá výměna systémem Bilz
QUICK CHANGE TAPPING HEAD FOR RIGID TAPPING
with tap chucks bushing system Bilz

DIN 2080

10.630

PŘÍVOD CHLAZENÍ STŘEDEM
WITH INNER COOLANT



REF. 10.630	K ISO	G No. Ø		A mm	D mm		
10.630.30.12	30	1 19	M3 - M12	50	33	49.621.12.xx	49.622.12.xx
10.630.40.12	40	1 19	M3 - M12	52	33	49.621.12.xx	49.622.12.xx
10.630.40.20		2 31	M8 - M20	74	50	49.621.20.xx	49.622.20.xx
10.630.40.33		3 48	M14- M33	115	72	49.621.33.xx	49.622.33.xx
10.630.50.12	50	1 19	M3 - M12	55	33	49.621.12.xx	49.622.12.xx
10.630.50.20		2 31	M8 - M20	78	50	49.621.20.xx	49.622.20.xx
10.630.50.33		3 48	M14- M33	83	72	49.621.33.xx	49.622.33.xx

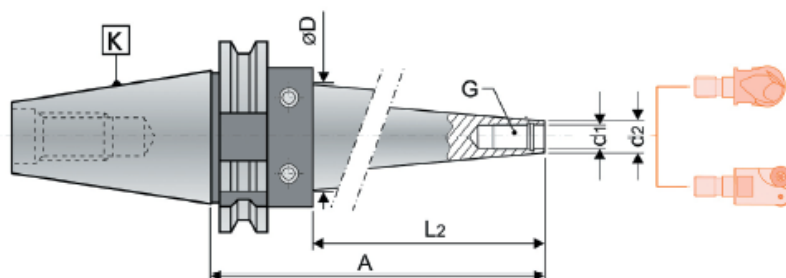


ANTIVIBRAČNÍ FRÉZOVACÍ TRNY
pro frézy s příčnou unášecí drážkou DIN 138
ANTIVIBRATORY SHELL MILL ADAPTORS
for cutters with driving slot DIN 138

A11.160

A20.160

DIN 69871-A	L mm	D mm	JIS 6339 - BT	L mm	D mm	K ISO	d ₁ h _s mm	A mm	l ₁ mm	d ₂ mm
A11.160.40.16/150	131	50	A20.160.40.16/150	116	50	40	16	150	36	36
A11.160.40.16/200	181	50	A20.160.40.16/200	166	50			200	36	36
A11.160.40.16/250	231	50	A20.160.40.16/250	216	50			250	36	36
A11.160.40.16/300	281	50	A20.160.40.16/300	266	50			300	36	36
A11.160.40.22/150	131	50	A20.160.40.22/150	116	50		22	150	19	44
A11.160.40.22/200	181	50	A20.160.40.22/200	166	50			200	19	44
A11.160.40.22/250	231	50	A20.160.40.22/250	216	50			250	19	44
A11.160.40.22/300	281	50	A20.160.40.22/300	266	50			300	19	44
A11.160.40.27/150	131	50	A20.160.40.27/150	116	56		27	150	21	54
A11.160.40.27/200	181	50	A20.160.40.27/200	166	56			200	21	54
A11.160.40.27/250	231	50	A20.160.40.27/250	216	56			250	21	54
A11.160.40.27/300	281	50	A20.160.40.27/300	266	56			300	21	54
A11.160.50.16/150	131	80	A20.160.50.16/150	112	80	50	16	150	36	36
A11.160.50.16/200	181	80	A20.160.50.16/200	162	80			200	36	36
A11.160.50.16/250	231	80	A20.160.50.16/250	212	80			250	36	36
A11.160.50.16/300	281	80	A20.160.50.16/300	262	80			300	36	36
A11.160.50.16/400	381	80	A20.160.50.16/400	362	80			400	36	36
A11.160.50.22/200	181	80	A20.160.50.22/200	162	80		22	200	19	44
A11.160.50.22/250	231	80	A20.160.50.22/250	212	80			250	19	44
A11.160.50.22/300	281	80	A20.160.50.22/300	262	80			300	19	44
A11.160.50.22/400	381	80	A20.160.50.22/400	362	80			400	19	44
A11.160.50.22/500	481	80	A20.160.50.22/500	462	80			500	19	44
A11.160.50.27/200	181	80	A20.160.50.27/200	162	80		27	200	21	54
A11.160.50.27/250	231	80	A20.160.50.27/250	212	80			250	21	54
A11.160.50.27/300	281	80	A20.160.50.27/300	262	80			300	21	54
A11.160.50.27/400	381	80	A20.160.50.27/400	362	80			400	21	54
A11.160.50.27/500	481	80	A20.160.50.27/500	462	80			500	21	54
A11.160.50.32/200	181	80	A20.160.50.32/200	162	80		32	200	24	64
A11.160.50.32/250	231	80	A20.160.50.32/250	212	80			250	24	64
A11.160.50.32/300	281	80	A20.160.50.32/300	262	80			300	24	64
A11.160.50.32/400	381	80	A20.160.50.32/400	362	80			400	24	64
A11.160.50.32/500	481	80	A20.160.50.32/500	462	80			500	24	64



Antivibrační upínače pro dokončovací frézování jsou vyrobeny s materiálu s mechanickými antivibračními vlastnostmi. Standardní i extra dlouhá provedení jsou vhodná pro výrobu forem a speciální výrobu.

Antivibratory Shell Mill Adaptors manufactured with materials and mechanisms having antivibration properties. Standard and extra long lengths, suitable for moulding and special manufactures.

PŘEDVYVÁŽENO
PRE-BALANCED

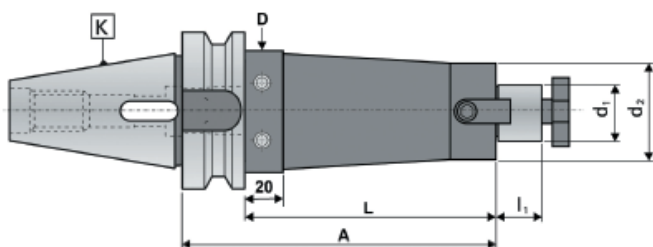
PREEQUILIBRADO

ISO-40: 15.000 r.p.m. G-6,3
ISO-50: 10.000 r.p.m. G-6,3

DIN 69871-A	A mm	JIS B 6339-BT	A mm	K ISO	d ₁ mm	G mm	d ₂ mm	L ₂ mm	D mm
11.315.40.10/045	45	20.315.40.10/055	55	40	10,5	M10	18	25	20
11.315.40.10/070	70	20.315.40.10/080	80		10,5	M10		50	23
11.315.40.10/120	120	20.315.40.10/130	130		10,5	M10		100	29
11.315.40.12/045	45	20.315.40.12/055	55		12,5	M12	21	25	24
11.315.40.12/070	70	20.315.40.12/080	80		12,5	M12		50	26
11.315.40.12/120	120	20.315.40.12/130	130		12,5	M12		100	32
11.315.40.16/045	45	20.315.40.16/055	55		17	M16	29	25	32
11.315.40.16/070	70	20.315.40.16/080	80		17	M16		50	35
11.315.40.16/120	120	20.315.40.16/130	130		17	M16		100	40
11.315.50.12/070	70	20.315.50.12/090	90	50	12,5	M12	21	50	26
11.315.50.12/120	120	20.315.50.12/140	140		12,5	M12		100	32
11.315.50.12/170	170	20.315.50.12/190	190		12,5	M12		150	37
11.315.50.16/070	70	20.315.50.16/090	90		17	M16	29	50	35
11.315.50.16/120	120	20.315.50.16/140	140		17	M16		100	40
11.315.50.16/170	170	20.315.50.16/190	190		17	M16		150	45

INFORMACE O ANTIVIBRACI

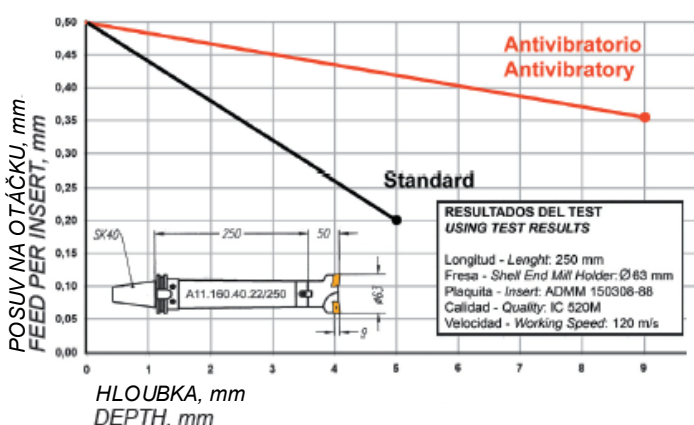
- ANTIVIBRATORY INFORMATION



Vibrace jsou redukovány až o 60% ve srovnání se standardním držákem oproti držáku vyrobeného s materiálu s antivibračními vlastnostmi.

Vibration reduced up to 60% compared to any other conventional shell mill adaptor, as they are manufactured with materials and mechanisms having antivibration properties.

POROVNÁNÍ PŘI POUŽITÍ ANTIVIBRAČNÍHO DRŽÁKU COMPARISON WHEN USING AN ANTIVIBRATORY TOOLHOLDER



ISO 50 držák podle DIN 69871 a JIS 6339-BT lze použít shodně s normou DIN 2080 při použití speciálního čepu a přizpůsobení stroje (vliv unášecích kamenů).

ISO 50 Axial compensation Toolholders as per DIN 69871 and JIS 6339-BT could become DIN 2080. Tapers by using the special pull stud.

Ref. **A85.752.50.50**



CELKOVÝ PROGRAM UPÍNACÍCH DRŽÁKŮ A PŘÍSLUŠENSTVÍ

TOOLHOLDERS AND ACCESSORIES PROGRAM

DIN 69871 **11 13**



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HSK DIN 69893-1 **16**



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JIS B 6339 - BT **20 23**



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CHIRON **25**



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35 40 42 47 49 80 85

DIN 236 JACOBS DIN 1035.4 DIN 1035.8 DIN 69100 RLTZ SYSTEM DIN 5335 DIN 6982 JIS B 6339 BT



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18 19 26 28 29

PORTAHERRAMIENTAS PARA LA INDUSTRIA DE LA MADERA



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