# Zhp

mexin

## M610

## M630 + M622

## M620 + M622

## M620 + M621

## M622

## M621

česky
english

NAREX MTE®

NAREX MTE®

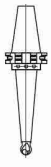
# CELKOVÝ PROGRAM UPÍNACÍCH DRŽÁKŮ A PŘÍSLUŠENSTVÍ

## *TOOLHOLDERS AND ACCESSORIES PROGRAM*







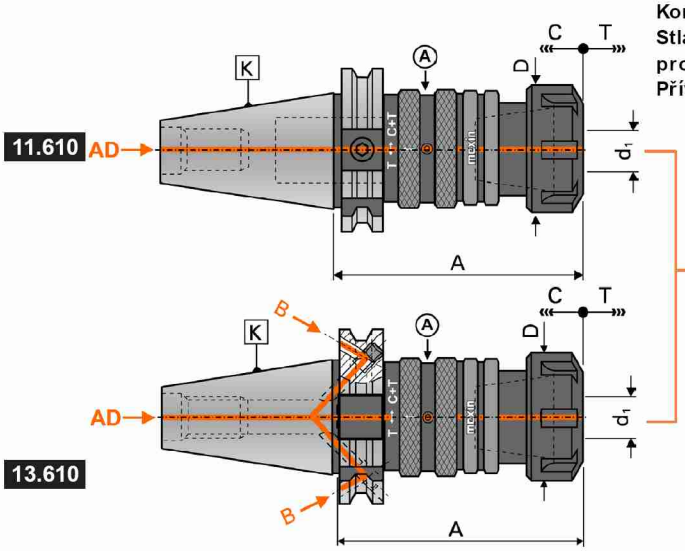


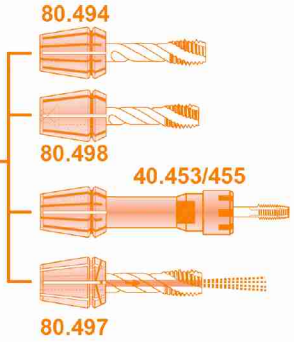
česky
english

# 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 69871-A**

**11/13.610**




**Kompenzace stlačením (C) a vytažením (T).**
**Stlačení může být blokováno otočením kroužku doprava (A)**
**pro řízení hloubku závitu.**
**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. 11.610 | K ISO | | | A mm | D mm | C mm | T mm | | |
|---|---|---|---|---|---|---|---|---|---|
| 11.610.30.12 | 30 | ER 16 | M3-M12 | 99 | 28 | 5,5 | 6 | 80.493.10 | 89.202.10 |
| 11.610.40.12 | 40 | ER 16 | M3-M12 | 100 | 28 | 5,5 | 6 | 80.493.10 | 89.202.10 |
| 11.610.40.20 | | ER 25 | M4-M20 | 125 | 42 | 10,5 | 7,5 | 80.493.16 | 89.202.16 |
| 11.610.40.33 | | ER 40 | M8-M33 | 141 | 63 | 10 | 10 | 80.493.26 | 89.202.26 |
| 11.610.50.12 | 50 | ER 16 | M3-M12 | 100 | 28 | 5,5 | 6 | 80.493.10 | 89.202.10 |
| 11.610.50.20 | | ER 25 | M4-M20 | 134 | 42 | 10,5 | 7,5 | 80.493.16 | 89.202.16 |
| 11.610.50.33 | | ER 40 | M8-M33 | 150 | 63 | 10 | 10 | 80.493.26 | 89.202.26 |
| **REF. 13.610** | | | | | | | | | |
| 13.610.40.12 | 40 | ER 16 | M3-M12 | 100 | 28 | 5,5 | 6 | 80.493.10 | 89.202.10 |
| 13.610.40.20 | | ER 25 | M4-M20 | 125 | 42 | 10,5 | 7,5 | 80.493.16 | 89.202.16 |
| 13.610.40.33 | | ER 40 | M8-M33 | 141 | 63 | 10 | 10 | 80.493.26 | 89.202.26 |
| 13.610.50.12 | 50 | ER 16 | M3-M12 | 100 | 28 | 5,5 | 6 | 80.493.10 | 89.202.10 |
| 13.610.50.20 | | ER 25 | M4-M20 | 134 | 42 | 10,5 | 7,5 | 80.493.16 | 89.202.16 |
| 13.610.50.33 | | ER 40 | M8-M33 | 150 | 63 | 10 | 10 | 80.493.26 | 89.202.26 |

* DODÁVKA S KLÍČEM

* SUPPLIED WITH WRENCH

česky
english

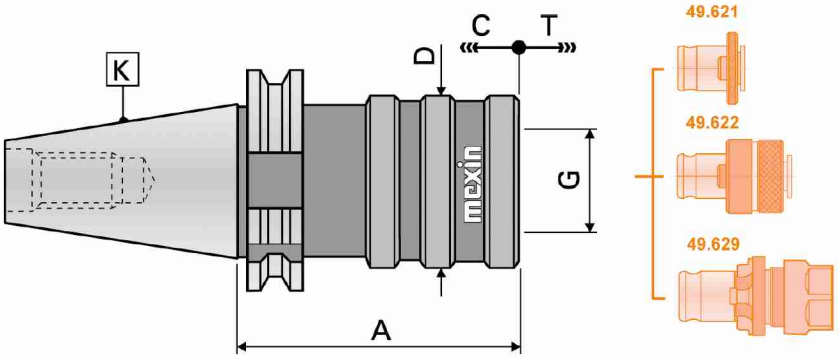
## ZÁVITOŘEZNÁ POUZDRA S AXIÁLNÍ KOMPENZACÍ
**s rychlo výměnným systémem Bilz**
**QUICK CHANGE TAPPING HEAD WITH AXIAL COMPENSATION**
with tap chucks bushings system Bilz

**DIN 69871-A**

**11.620**

**KOMPENZACE STLAČENÍM (C) A VYSUNUTÍM (T)**

**COMPENSATION IN COMPRESSION (C) AND TENSION (T)**




| REF. 11.620 | K ISO | G No. | G Ø | | A mm | D mm | C mm | T mm | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 11.620.30.12 | 30 | 1 | 19 | M 3-M 12 | 63 | 38 | 9 | 9 | 49.621.12.xx | 49.622.12.xx |
| 11.620.40.12 | 40 | 1 | 19 | M 3-M 12 | 68 | 38 | 9 | 9 | 49.621.12.xx | 49.622.12.xx |
| 11.620.40.20 | | 2 | 31 | M 8-M 20 | 93 | 55 | 15 | 15 | 49.621.20.xx | 49.622.20.xx |
| 11.620.40.33 | | 3 | 48 | M 14-M 33 | 138 | 79 | 24 | 24 | 49.621.33.xx | 49.622.33.xx |
| 11.620.50.12 | 50 | 1 | 19 | M 3-M 12 | 80 | 38 | 9 | 9 | 49.621.12.xx | 49.622.12.xx |
| 11.620.50.20 | | 2 | 31 | M 8-M 20 | 102 | 55 | 15 | 15 | 49.621.20.xx | 49.622.20.xx |
| 11.620.50.33 | | 3 | 48 | M 14-M 33 | 135 | 79 | 24 | 24 | 49.621.33.xx | 49.622.33.xx |

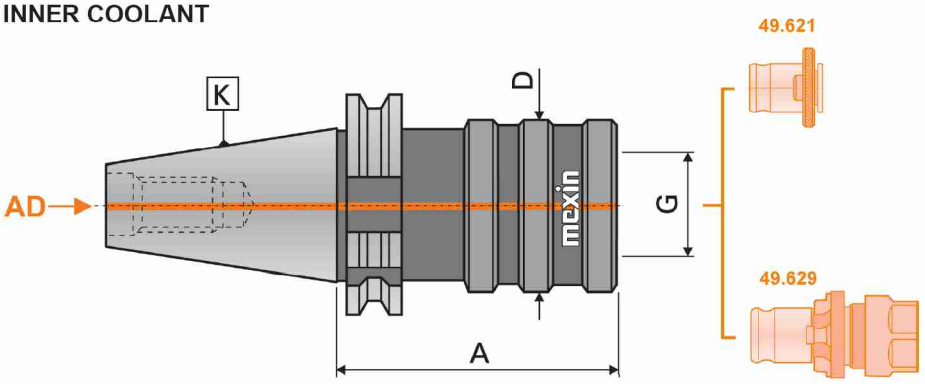
## ZÁVITOŘEZNÁ POUZDRA PRO ŘEZÁNÍ NATVRDO
**bez axiální kompenzace, rychlá výměna systémem Bilz**
**QUICK CHANGE TAPPING HEAD FOR RIGID TAPPING**
with tap chucks bushing system Bilz

**DIN 69871-A**

**11.630**

**PŘÍVOD CHLAZENÍ STŘEDEM**

**WITH INNER COOLANT**



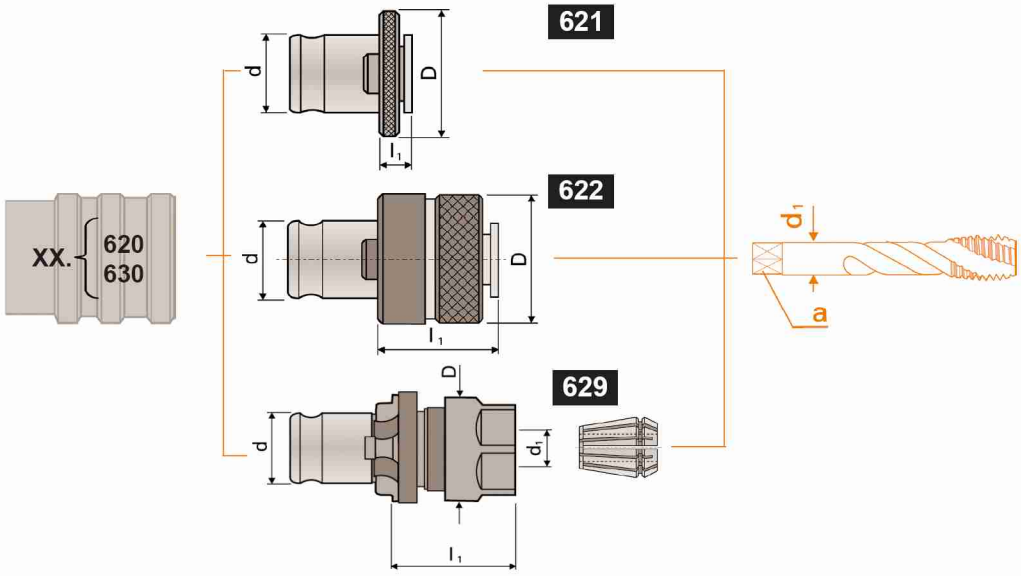

| REF. 11.630 | K ISO | G No. | G Ø | | A mm | D mm | |
|---|---|---|---|---|---|---|---|
| 11.630.30.12 | 30 | 1 | 19 | M 3-M 12 | 60 | 33 | 49.621.12.xx |
| 11.630.40.12 | 40 | 1 | 19 | M 3-M 12 | 67 | 33 | 49.621.12.xx |
| 11.630.40.20 | | 2 | 31 | M 8-M 20 | 90 | 50 | 49.621.20.xx |
| 11.630.40.33 | | 3 | 48 | M 14-M 33 | 117 | 72 | 49.621.33.xx |
| 11.630.50.12 | 50 | 1 | 19 | M 3-M 12 | 78 | 33 | 49.621.12.xx |
| 11.630.50.20 | | 2 | 31 | M 8-M 20 | 101 | 50 | 49.621.20.xx |
| 11.630.50.33 | | 3 | 48 | M 14-M 33 | 125 | 72 | 49.621.33.xx |

česky english

# RYCHLOVÝMĚNNÉ KONCOVKY
s bezpečnostní spojkou (622) a bez spojky (621, 629)

QUICK CHANGE ADAPTERS WITH AND WITHOUT OVERLOAD CLUTCH

**49.621/629**




## 49.621.12

d = 19 mm  $l_1$ = 7 mm
D = 30 mm

| REF. | DIN $d_1$ x a mm | | |
|---|---|---|---|
| 49.621.12.02 | 2,8 | x | 2,1 |
| 49.621.12.03 | 3,5 | x | 2,7 |
| 49.621.12.04 | 4 | x | 3 |
| 49.621.12.05 | 4,5 | x | 3,4 |
| 49.621.12.06 | 5,5 | x | 3,4 |
| 49.621.12.07 | 6 | x | 4,9 |
| 49.621.12.08 | 7 | x | 5,5 |
| 49.621.12.09 | 8 | x | 6,2 |
| 49.621.12.10 | 9 | x | 7 |
| 49.621.12.11 | 10 | x | 8 |
| 49.621.12.12 | 11 | x | 9 |
| 49.621.12.13 | 12 | x | 9 |

## 49.621.20

d = 31 mm  $l_1$ = 11 mm
D = 48 mm

| REF. | DIN $d_1$ x a mm | | |
|---|---|---|---|
| 49.621.20.07 | 6 | x | 4,9 |
| 49.621.20.08 | 7 | x | 5,5 |
| 49.621.20.09 | 8 | x | 6,2 |
| 49.621.20.10 | 9 | x | 7 |
| 49.621.20.11 | 10 | x | 8 |
| 49.621.20.12 | 11 | x | 9 |
| 49.621.20.13 | 12 | x | 9 |
| 49.621.20.14 | 14 | x | 11 |
| 49.621.20.15 | 16 | x | 12 |
| 49.621.20.16 | 18 | x | 14,5 |
| 49.621.20.17 | 20 | x | 16 |
| 49.621.20.18 | 22 | x | 18 |

## 49.621.33

d = 48 mm  $l_1$ = 14 mm
D = 70 mm

| REF. | DIN $d_1$ x a mm | | |
|---|---|---|---|
| 49.621.33.12 | 11 | x | 9 |
| 49.621.33.13 | 12 | x | 9 |
| 49.621.33.14 | 14 | x | 11 |
| 49.621.33.15 | 16 | x | 12 |
| 49.621.33.16 | 18 | x | 14,5 |
| 49.621.33.17 | 20 | x | 16 |
| 49.621.33.18 | 22 | x | 18 |
| 49.621.33.19 | 25 | x | 20 |
| 49.621.33.20 | 28 | x | 22 |
| 49.621.33.21 | 32 | x | 24 |
| 49.621.33.22 | 36 | x | 29 |

## 49.622.12

d = 19 mm  $l_1$ = 25 mm
D = 32 mm

| REF. | DIN $d_1$ x a mm | | |
|---|---|---|---|
| 49.622.12.02 | 2,8 | x | 2,1 |
| 49.622.12.03 | 3,5 | x | 2,7 |
| 49.622.12.04 | 4 | x | 3 |
| 49.622.12.05 | 4,5 | x | 3,4 |
| 49.622.12.06 | 5,5 | x | 3,4 |
| 49.622.12.07 | 6 | x | 4,9 |
| 49.622.12.08 | 7 | x | 5,5 |
| 49.622.12.09 | 8 | x | 6,2 |
| 49.622.12.10 | 9 | x | 7 |
| 49.622.12.11 | 10 | x | 8 |
| 49.622.12.12 | 11 | x | 9 |
| 49.622.12.13 | 12 | x | 9 |

## 49.622.20

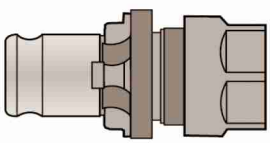
d = 31 mm  $l_1$ = 34 mm
D = 50 mm

| REF. | DIN $d_1$ x a mm | | |
|---|---|---|---|
| 49.622.20.07 | 6 | x | 4,9 |
| 49.622.20.08 | 7 | x | 5,5 |
| 49.622.20.09 | 8 | x | 6,2 |
| 49.622.20.10 | 9 | x | 7 |
| 49.622.20.11 | 10 | x | 8 |
| 49.622.20.12 | 11 | x | 9 |
| 49.622.20.13 | 12 | x | 9 |
| 49.622.20.14 | 14 | x | 11 |
| 49.622.20.15 | 16 | x | 12 |
| 49.622.20.16 | 18 | x | 14,5 |
| 49.622.20.17 | 20 | x | 16 |
| 49.622.20.18 | 22 | x | 18 |

## 49.622.33

d = 48 mm  $l_1$ = 45 mm
D = 72 mm

| REF. | DIN $d_1$ x a mm | | |
|---|---|---|---|
| 49.622.33.10 | 9 | x | 7 |
| 49.622.33.12 | 11 | x | 9 |
| 49.622.33.13 | 12 | x | 9 |
| 49.622.33.14 | 14 | x | 11 |
| 49.622.33.15 | 16 | x | 12 |
| 49.622.33.16 | 18 | x | 14,5 |
| 49.622.33.17 | 20 | x | 16 |
| 49.622.33.18 | 22 | x | 18 |
| 49.622.33.19 | 25 | x | 20 |
| 49.622.33.20 | 28 | x | 22 |
| 49.622.33.21 | 32 | x | 24 |
| 49.622.33.22 | 36 | x | 29 |



## 49.629.19.12

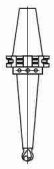
d = 19 mm  $l_1$ = 29 mm
D = 28 mm


| REF. | | |
|---|---|---|
| 49.629.19.12 | ER 16 | M2-M10 |

## 49.629.31.20

d = 31 mm  $l_1$ = 38 mm
D = 42 mm

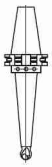

| REF. | | |
|---|---|---|
| 49.629.19.12 | ER 16 | M2-M10 |



# TABULKA RYCHLOVÝMĚNNÝCH KONCOVEK
# SELECTION TABLE OF TAP ADAPTERS

**49.621/629**

| "XX" | Ø X □ | DIN 352 | DIN 5156 5157 | DIN 371 | DIN 374 | DIN 376 | DIN 371 | DIN 374 376 |
|---|---|---|---|---|---|---|---|---|
| 01 | 2,5 x 2,1 | M 1/1,8 | | M 1/1,8 | M 3,5 | M 3,5 | 1/16" | |
| | | | | | | | Nr. 0 / 1 | |
| 02 | 2,8 x 2,1 | M 2 | | M 2 | M 4 | M 4 | 3/32" | |
| | | M 2,2 | | M 2,2 | | | Nr. 2 | |
| | | M 2,5 | | M 2,5 | | | Nr. 3 | |
| 03 | 3,5 x 2,7 | M 3 | | M 3 | M 5 | M 5 | 1/8" | |
| | | | | | | | Nr. 4 | |
| | | | | | | | Nr. 5 | |
| 04 | 4 x 3 | M 3,5 | | M 3,5 | M 5,5 | M 5,5 | Nr. 6 | |
| 05 | 4,5 x 3,4 | M 4 | | M 4 | M 6 | M 6 | 5/32" | |
| | | | | | | | Nr. 8 | |
| 06 | 5,5 x 4,3 | | | | M 7 | M 7 | | |
| 07 | 6 x 4,9 | M 4,5 | G1/16" | M 4,5 | M 8 | M 8 | Nr.10/12 | |
| | | M 5 | | M 5 | | | 3/16" | 1/4" |
| | | M 6 | | M 6 | | | 7/32" | 5/16" |
| | | M 7 | | | | | | |
| | | M 8 | | | | | | |
| 08 | 7 x 5,5 | M 10 | G 1/8" | M 7 | M 10 | M 10 | 1/4" | 3/8" |
| 09 | 8 x 6,2 | M 11 | | M 8 | M 11 | M 11 | 5/16" | 7/16" |
| 10 | 9 x 7 | M 12 | | M 9 | M 12 | M 12 | 3/8" | 1/2" |
| 11 | 10 x 8 | | | M10 | | | | |
| 12 | 11 x 9 | M 14 | G 1/4" | | M 14 | M 14 | 9/16" | |
| 13 | 12 x 9 | M 16 | G 3/8" | | M 16 | M 16 | 5/8" | |
| 14 | 14 x 11 | M 18 | | | M 18 | M 18 | 11/16" | |
| | | | | | | | | 3/4" |
| 15 | 16 x 12 | M 20 | G 1/2" | | M 20 | M 20 | 13/16" | |
| 16 | 18 x 14,5 | M 22 | G 5/8" | | M 22 | M 22 | 7/8" | |
| | | M 24 | | | M 24 | M 24 | 15/16" | |
| 17 | 20 x 16 | M 27 | G 3/4" | | M 27 | M 27 | 1" | |
| 18 | 22 x 18 | M 30 | G 7/8 | | M 30 | M 30 | 1.1/8" | |
| 19 | 25 x 20 | M 33 | G1" | | M 33 | M 33 | 1.1/4" | |
| 20 | 28 x 22 | M 36 | G1.1/8" | | M 36 | M 36 | 1.3/8" | |
| 21 | 32 x 24 | M 39 | G1.1/4" | | M 39 | M 39 | 1.1/2" | |
| | | M 42 | | | M 42 | M 42 | 1.5/8" | |
| 22 | 36 x 29 | M 45 | G1.3/8" | | M 45 | M 45 | 1.3/4" | |
| | | M 48 | G1.1/2" | | M 48 | M 48 | | 1.7/8" |



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# TABULKA RYCHLOVÝMĚNNÝCH KONCOVEK

## SELECTION TABLE OF TAP ADAPTERS

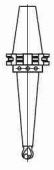
**BILZ SYSTEM**

**DIN**

A = REDUKOVANÁ STOPKA / REDUCED SHANK

B = ZESÍLENÁ STOPKA / REINFORCED SHANK

| "XX" | ø x □ | M - MF | | UNC - UNF | | BSW - BSF | | BA |
|---|---|---|---|---|---|---|---|---|
| | | A | B | A | B | A | B | A |
| 30 | 2,24 x 1,8 | M 3 | | Nr. 5 | | 1/8 | | |
| 31 | 2,5 x 2 | M 3,5 | M 1,0/ 2 | Nr. 6 | Nr. 0 | | | Nr.11 |
| | | | | | Nr. 1 | | | Nr.10 |
| | | | | | | | | Nr. 9 |
| 32 | 2,8 x 2,24 | | M 2,2 | | Nr. 2 | | | Nr. 8 |
| | | | M 2,5 | | Nr. 3 | | | Nr. 7 |
| | | | | | | | | Nr. 6 |
| 33 | 3,15 x 2,5 | M 4 | M 3 | | Nr. 4 | | 1/8 | Nr. 5 |
| | | | | Nr. 8 | Nr. 5 | | | |
| 34 | 3,55 x 2,8 | M 4,5 | M 3,5 | Nr.10 | Nr. 6 | 3/16 | | Nr. 4 |
| 35 | 4 x 3,15 | M 5 | M 4 | Nr.12 | | 7/32 | | |
| 36 | 4,5 x 3,55 | M 6 | M 4,5 | 1/4 | Nr. 8 | 1/4 | | Nr. 3 |
| 37 | 5 x 4 | | M 5 | | Nr.10 | | 3/16 | Nr. 2 |
| 38 | 5,6 x 4,5 | M 7 | | | Nr.12 | 9/32 | 7/32 | Nr. 1 |
| 39 | 6,3 x 5 | M 8 | M 6 | 5/16 | 1/4 | 5/16 | 1/4 | Nr. 0 |
| 40 | 7,1 x 5,6 | M 9 | M 7 | 3/8 | | 3/8 | 9/32 | |
| 41 | 8 x 6,3 | M10 | M 8 | 7/16 | 5/16 | 7/16 | 5/16 | |
| 42 | 9 x 7,1 | M12 | M 9 | 1/2 | | 1/2 | | |
| 11 | 10 x 8 | | M 10 | | 3/8 | | 3/8 | |
| 43 | 11,2 x 9 | M 14 | | 9/16 | | 9/16 | | |
| 44 | 12,5 x 10 | M 16 | | 5/8 | | 5/8 | | |
| 45 | 14 x 11,2 | M 18 | | | | 11/16 | | |
| | | M 20 | | 3/4 | | 3/4 | | |
| 46 | 16 x 12,5 | M 22 | | 7/8 | | 7/8 | | |
| 47 | 18 x 14 | M 24 | | 1 | | 1 | | |
| 17 | 20 x 16 | M 27 | | 1.1/8 | | 1.1/8 | | |
| | | M 30 | | | | | | |
| 48 | 22,4 x 18 | M 33 | | 1.1/4 | | 1.1/4 | | |
| 19 | 25 x 20 | M 36 | | 1.3/8 | | 1.3/8 | | |
| 49 | 28 x 22,4 | M 39 | | 1.1/2 | | 1.1/2 | | |
| | | M 42 | | | | 1.5/8 | | |
| 50 | 31,5 x 25 | M 45 | | 1.3/4 | | 1.3/4 | | |
| | | M 48 | | | | | | |
| 51 | 35,45 x 28 | M 52 | | 2 | | 2 | | |
| | | | | | | | | |



česky
english

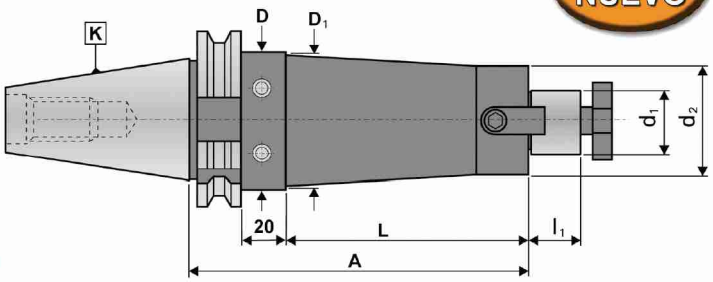
**ANTIVIBRAČNÍ FRÉZOVACÍ TRNY**
**pro frézy s příčnou unášecí drážkou DIN 138**
**ANTIVIBRATORY SHELL MILL ADAPTORS**
for cutters with driving slot DIN 138

**DIN 69871-A**

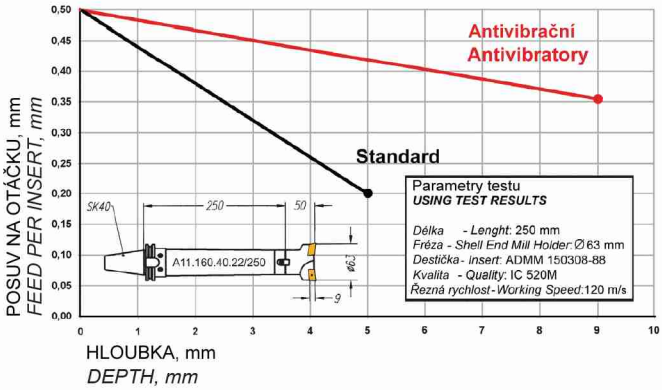
# A11.160

## *SPECIÁLNĚ URČENO PRO VÝROBU FOREM A ZÁPUSTEK*
## *SPECIAL FOR MOULD AND DIE MAKERS*

NEW
NUEVO



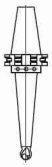

***POROVNÁNÍ PŘI POUŽITÍ ANTIVIBRAČNÍHO DRŽÁKU***
***COMPARISON WHEN USING AN ANTIVIBRATORY TOOLHOLDER***




***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.**

| DIN 69871-A | K ISO | L mm | D mm | $D_1$ mm | $d_1$ $h_6$ mm | A mm | $l_1$ mm | $d_2$ mm |
|---|---|---|---|---|---|---|---|---|
| **A11.160.40.16/150** | **40** | 131 | 50 | 40 | 16 | 150 | 17 | 36 |
| A11.160.40.16/200 | | 181 | 50 | 42 | 16 | 200 | 17 | 36 |
| **A11.160.40.16/250** | | 231 | 50 | 44 | 16 | 250 | 17 | 36 |
| A11.160.40.16/300 | | 281 | 50 | 46 | 16 | 300 | 17 | 36 |
| **A11.160.40.22/150** | | 131 | 50 | 46 | 22 | 150 | 19 | 44 |
| **A11.160.40.22/200** | | 181 | 50 | 48 | 22 | 200 | 19 | 44 |
| **A11.160.40.22/250** | | 231 | 50 | 49 | 22 | 250 | 19 | 44 |
| **A11.160.40.22/300** | | 281 | 50 | 49 | 22 | 300 | 19 | 44 |
| **A11.160.40.27/150** | | 131 | 50 | 54 | 27 | 150 | 21 | 54 |
| **A11.160.40.27/200** | | 181 | 50 | 54 | 27 | 200 | 21 | 54 |
| **A11.160.40.27/250** | | 231 | 50 | 54 | 27 | 250 | 21 | 54 |
| **A11.160.40.27/300** | | 281 | 50 | 54 | 27 | 300 | 21 | 54 |
| **A11.160.50.16/150** | **50** | 131 | 80 | 42 | 16 | 150 | 17 | 36 |
| **A11.160.50.16/200** | | 181 | 80 | 46 | 16 | 200 | 17 | 36 |
| **A11.160.50.16/250** | | 231 | 80 | 50 | 16 | 250 | 17 | 36 |
| **A11.160.50.16/300** | | 281 | 80 | 54 | 16 | 300 | 17 | 36 |
| **A11.160.50.16/400** | | 381 | 80 | 60 | 16 | 400 | 17 | 36 |
| **A11.160.50.22/200** | | 181 | 80 | 50 | 22 | 200 | 19 | 44 |
| **A11.160.50.22/250** | | 231 | 80 | 52 | 22 | 250 | 19 | 44 |
| **A11.160.50.22/300** | | 281 | 80 | 54 | 22 | 300 | 19 | 44 |
| **A11.160.50.22/400** | | 381 | 80 | 58 | 22 | 400 | 19 | 44 |
| **A11.160.50.22/500** | | 481 | 80 | 64 | 22 | 500 | 19 | 44 |
| **A11.160.50.27/200** | | 181 | 80 | 54 | 27 | 200 | 21 | 54 |
| **A11.160.50.27/250** | | 231 | 80 | 56 | 27 | 250 | 21 | 54 |
| **A11.160.50.27/300** | | 281 | 80 | 58 | 27 | 300 | 21 | 54 |
| **A11.160.50.27/400** | | 381 | 80 | 62 | 27 | 400 | 21 | 54 |
| **A11.160.50.27/500** | | 481 | 80 | 68 | 27 | 500 | 21 | 54 |
| **A11.160.50.32/200** | | 181 | 80 | 64 | 32 | 200 | 24 | 64 |
| **A11.160.50.32/250** | | 231 | 80 | 66 | 32 | 250 | 24 | 64 |
| **A11.160.50.32/300** | | 281 | 80 | 68 | 32 | 300 | 24 | 64 |
| **A11.160.50.32/400** | | 381 | 80 | 74 | 32 | 400 | 24 | 64 |
| **A11.160.50.32/500** | | 481 | 80 | 78 | 32 | 500 | 24 | 64 |



česky
english



NAREX MTE®

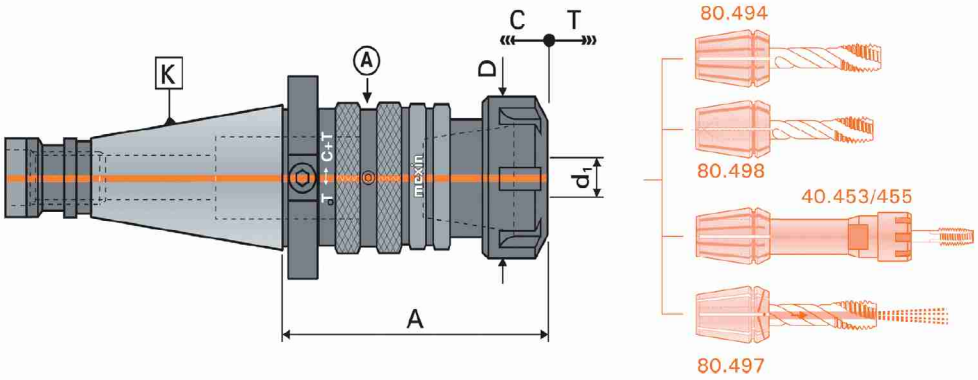
## ZÁVITOŘEZNÁ HLAVA S AXIÁLNÍ KOMPENZACÍ
**upínání závitníků pomocí ER kleštin s vnitřním čtyřhranem**
## TAPPING HEAD WITH AXIAL COMPENSATION
Hold tape with DIN 6499 (ER) collets and with inner coolant.

**DIN 2080**

# 10.610

**Kompenzace stlačením (C) a vytažením (T).**
**Stlačení může být blokováno otočením kroužku doprava (A) pro řízení hloubky závitu.**
**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  * SUPPLIED WITH WRENCH

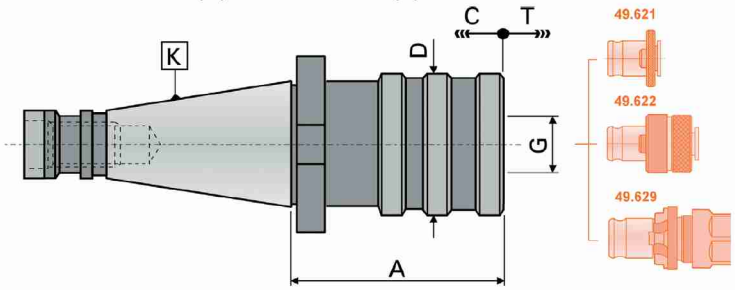
## ZÁVITOŘEZNÁ POUZDRA S AXIÁLNÍ KOMPENZACÍ
**s rychlo výměnným systémem Bilz**
## QUICK CHANGE TAPPING HEAD WITH AXIAL COMPENSATION
with tap chucks bushings system Bilz

**DIN 2080**

# 10.620

**KOMPENZACE STLAČENÍM (C) A VYSUNUTÍM (T)**

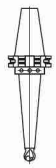
**COMPENSATION IN COMPRESSION (C) AND TENSION (T)**







| REF. 10.620 | K ISO | G No. | G 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 |



česky
english

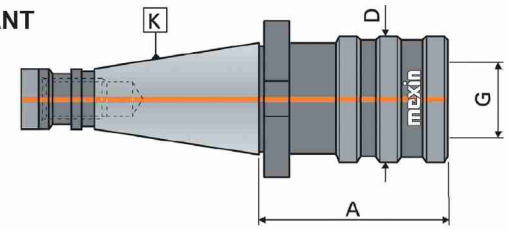
# ZÁVITOŘEZNÁ POUZDRA PRO ŘEZÁNÍ NATVRDO
**bez axiální kompenzace, rychlá výměna systémem Bilz**
# QUICK CHANGE TAPPING HEAD FOR RIGID TAPPING
with tap chucks bushing system Bilz

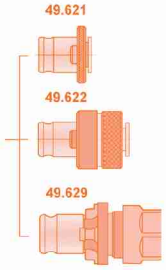
**DIN 2080**

**10.630**

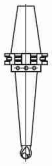
**PŘÍVOD CHLAZENÍ STŘEDEM**

**WITH INNER COOLANT**




| REF. 10.630 | K ISO | G No. | G 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 |



česky
english

# DLOUHÉ KLEŠTINOVÉ UPÍNAČE PRO ER KLEŠTINY DIN 6499
**pro nástroje s válcovou stopkou**

# LANGE SPANNFUTTER FÜR DIN 6499 (ER) SPANNZANGEN
für Werkzeuge mit Zylinderschaft

# LONG COLLET CHUCKS FOR DIN 6499 (ER) COLLETS
for tools with cylindrical shank

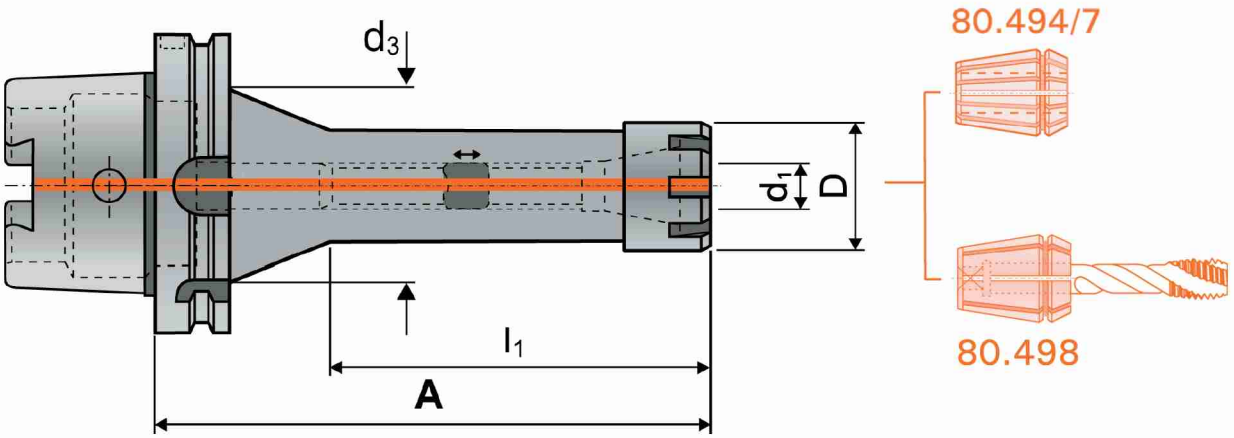
# PORTEPINCES ALLONGÉS POUR PINCES DIN 6499 (ER)
pour outils à queue cylindrique

**DIN 69893-1**

**16.455**

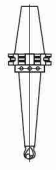
**HSK FORM A**

**S «MINI» KLEŠTINOVOU MATICÍ**
**MIT «MINI» MUTTER**
**WITH «MINI» COLLET NUT**
**AVEC ÉCROU «MINI»**




| REF. 16.455 | Cono HSK | | $d_1$ mm | A mm | D mm | $l_1$ mm | $d_3$ mm | MINI | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **16.455.050.10** | **50** | ER 16 | 0,5-10 | 100 | 22 | | | 80.495.10 | 89.205.10 | 89.192.10 |
| **16.455.050.10/160** | | ER 16 | 0,5-10 | 160 | 22 | 100 | 30 | 80.495.10 | 89.205.10 | 89.192.10 |
| **16.455.063.10** | **63** | ER 16 | 0,5-10 | 100 | 22 | | | 80.495.10 | 89.205.10 | 89.192.10 |
| **16.455.063.10/160** | | ER 16 | 0,5-10 | 160 | 22 | 100 | 30 | 80.495.10 | 89.205.10 | 89.192.10 |
| **16.455.063.13** | | ER 20 | 1-13 | 100 | 28 | | | 80.495.13 | 89.205.13 | 89.192.13 |
| **16.455.063.13/160** | | ER 20 | 1-13 | 160 | 28 | 100 | 30 | 80.495.13 | 89.205.13 | 89.192.13 |
| **16.455.063.16** | | ER 25 | 1-16 | 100 | 35 | | | 80.495.16 | 89.205.16 | 89.192.16 |
| **16.455.063.16/160** | | ER 25 | 1-16 | 160 | 35 | 100 | 30 | 80.495.16 | 89.205.16 | 89.192.16 |
| **16.455.100.10** | **100** | ER 16 | 0,5-10 | 100 | 22 | | | 80.495.10 | 89.205.10 | 89.192.10 |
| **16.455.100.10/160** | | ER 16 | 0,5-10 | 160 | 22 | 100 | 30 | 80.495.10 | 89.205.10 | 89.192.10 |

*** DODÁVKA BEZ KLÍČE** *** GELIEFERT OHNE SCHLÜSSEL * SUPPLIED WITHOUT WRENCH * LIVRÉ SANS CLEF**



česky
english
deutsch

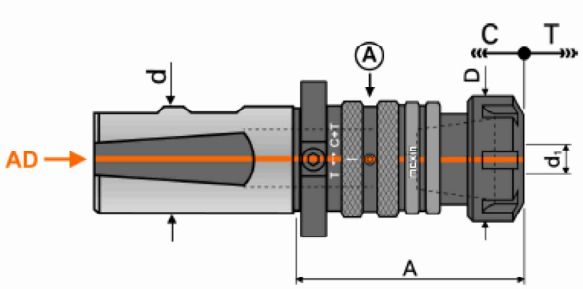
## ZÁVITOŘEZNÁ HLAVA S AXIÁLNÍ KOMPENZACÍ
**upínání závitníků pomocí ER kleštin s vnitřním čtyřhranem**
## TAPPING HEAD WITH AXIAL COMPENSATION
Hold tape with DIN 6499 (ER) collets and with inner coolant.

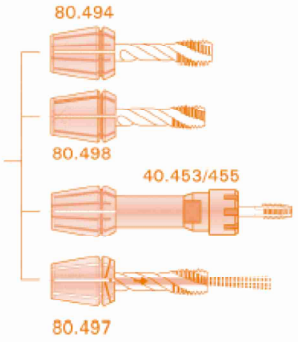
**DIN 1835-B**

# 42.610

Kompenzace stlačením (C) a vytažením (T).
Stlačení může být blokováno otočením kroužku doprava (A)
pro řízení hloubku závitu.
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. 42.610 | d mm | | | A mm | D mm | C mm | T mm | | |
|---|---|---|---|---|---|---|---|---|---|
| 42.610.20.12 | 20 | ER 16 | M3-M12 | 65 | 28 | 5,5 | 6 | 80.493.10 | 89.202.10 |
| 42.610.25.12 | 25 | ER 16 | M3-M12 | 67 | 28 | 5,5 | 6 | 80.493.10 | 89.202.10 |
| 42.610.25.20 | | ER 25 | M4-M20 | 90 | 42 | 10,5 | 7,5 | 80.493.16 | 89.202.16 |
| 42.610.25.33 | | ER 40 | M8-M33 | 106 | 63 | 10 | 10 | 80.493.26 | 89.202.26 |
| 42.610.32.33 | 32 | ER 40 | M8-M33 | 106 | 63 | 10 | 10 | 80.493.26 | 89.202.26 |

* DODÁVKA S KLÍČEM — * SUPPLIED WITH WRENCH

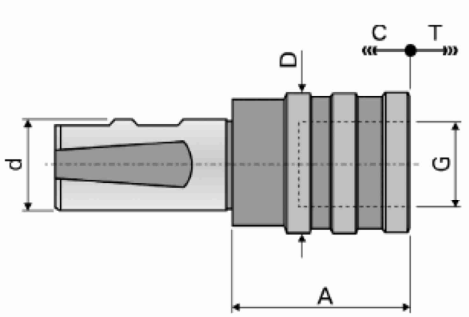
## ZÁVITOŘEZNÁ POUZDRA S AXIÁLNÍ KOMPENZACÍ
**s rychlo výměnným systémem Bilz**
## QUICK CHANGE TAPPING HEAD WITH AXIAL COMPENSATION
with tap chucks bushings system Bilz

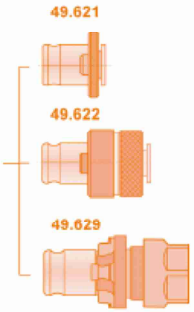
**DIN 1835-B+E**

# 42.620

KOMPENZACE STLAČENÍM (C) A VYSUNUTÍM (T)

COMPENSATION IN COMPRESSION (C) AND TENSION (T)




| REF. 42.620 | d mm | G No. | G Ø | | A mm | D mm | C mm | T mm | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 42.620.20.12 | 20 | 1 | 19 | M 3-M 12 | 41 | 38 | 9 | 9 | 49.621.12.xx | 49.622.12.xx |
| 42.620.20.20 | | 2 | 31 | M 8-M 20 | 63 | 55 | 15 | 15 | 49.621.20.xx | 49.622.20.xx |
| 42.620.25.12 | 25 | 1 | 19 | M 3-M 12 | 41 | 38 | 9 | 9 | 49.621.12.xx | 49.622.12.xx |
| 42.620.25.20 | | 2 | 31 | M 8-M 20 | 63 | 55 | 15 | 15 | 49.621.20.xx | 49.622.20.xx |
| 42.620.32.12 | 32 | 1 | 19 | M 3-M 12 | 41 | 38 | 9 | 9 | 49.621.12.xx | 49.622.12.xx |
| 42.620.32.20 | | 2 | 31 | M 8-M 20 | 63 | 55 | 15 | 15 | 49.621.20.xx | 49.622.20.xx |
| 42.620.32.33 | | 3 | 48 | M 14-M 33 | 97 | 79 | 24 | 24 | 49.621.33.xx | 49.622.33.xx |
| 42.620.40.12 | 40 | 1 | 19 | M 3-M 12 | 41 | 38 | 9 | 9 | 49.621.12.xx | 49.622.12.xx |
| 42.620.40.20 | | 2 | 31 | M 8-M 20 | 63 | 55 | 15 | 15 | 49.621.20.xx | 49.622.20.xx |
| 42.620.40.33 | | 3 | 48 | M 14-M 33 | 97 | 79 | 24 | 24 | 49.621.33.xx | 49.622.33.xx |

česky
english

## KLEŠTINOVÉ UPÍNAČE PRO ER KLEŠTINY DIN 6499

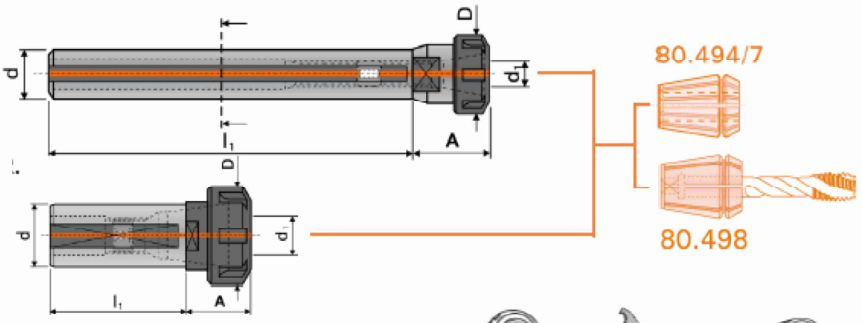
pro nástroje s válcovou stopkou

## COLLET CHUCKS FOR DIN 6499 (ER) COLLETS

for tools with cylindrical shank

**DIN 1835-A**

# 40.453




S UPÍNACÍ PLOŠKOU PRO CNC SOUSTRUHY A REVOLVEROVÉ SOUSTRUHY.

WITH CLAMPING FLAT FOR CNC LATHES AND TURRET LATHES.

| REF. 40.453 | d mm | | $d_1$ mm | A mm | $l_1$ mm | D mm | $h_1$ mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 40.453.20.10/050 | 20 | ER 16 | 0,5-10 | 31,5 | 50 | 32 | 19,5 | 80.493.10 | 89.202.10 | 89.192.10 |
| 40.453.20.10/100 | | ER 16 | 0,5-10 | 31,5 | 100 | 32 | 19,5 | 80.493.10 | 89.202.10 | 89.192.10 |
| 40.453.20.10/150 | | ER 16 | 0,5-10 | 31,5 | 150 | 32 | 19,5 | 80.493.10 | 89.202.10 | 89.192.10 |
| 40.453.20.16/050 | | ER 25 | 1-16 | 46,5 | 50 | 42 | 19,5 | 80.493.16 | 89.202.16 | 89.192.10 |
| 40.453.20.16/100 | | ER 25 | 1-16 | 46,5 | 100 | 42 | 19,5 | 80.493.16 | 89.202.16 | 89.192.10 |
| 40.453.20.16/150 | | ER 25 | 1-16 | 46,5 | 150 | 42 | 19,5 | 80.493.16 | 89.202.16 | 89.192.10 |
| 40.453.20.20/050 | | ER 32 | 2-20 | 54,5 | 50 | 50 | 19,5 | 80.493.20 | 89.202.20 | 89.192.10 |
| 40.453.20.20/100 | | ER 32 | 2-20 | 54,5 | 100 | 50 | 19,5 | 80.493.20 | 89.202.20 | 89.192.10 |
| 40.453.25.13/050 | 25 | ER 20 | 1-13 | 33,5 | 50 | 35 | 24 | 80.493.13 | 89.202.13 | 89.192.13 |
| 40.453.25.13/100 | | ER 20 | 1-13 | 33,5 | 100 | 35 | 24 | 80.493.13 | 89.202.13 | 89.192.13 |
| 40.453.25.13/150 | | ER 20 | 1-13 | 33,5 | 150 | 35 | 24 | 80.493.13 | 89.202.13 | 89.192.13 |
| 40.453.25.16/050 | | ER 25 | 1-16 | 46,5 | 50 | 42 | 24 | 80.493.16 | 89.202.16 | 89.192.16 |
| 40.453.25.16/100 | | ER 25 | 1-16 | 46,5 | 100 | 42 | 24 | 80.493.16 | 89.202.16 | 89.192.16 |
| 40.453.25.20/050 | | ER 32 | 2-20 | 52,5 | 50 | 50 | 24 | 80.493.20 | 89.202.20 | 89.192.16 |
| 40.453.25.20/100 | | ER 32 | 2-20 | 52,5 | 100 | 50 | 24 | 80.493.20 | 89.202.20 | 89.192.16 |
| 40.453.25.26/050 | | ER 40 | 3-30 | 60,5 | 50 | 63 | 24 | 80.493.26 | 89.202.26 | 89.192.16 |
| 40.453.32.20/050 | 32 | ER 32 | 2-20 | 52,5 | 50 | 50 | 31 | 80.493.20 | 89.202.20 | 89.192.20 |
| 40.453.32.26/050 | | ER 40 | 3-30 | 60,5 | 50 | 63 | 31 | 80.493.26 | 89.202.26 | 89.192.20 |
| 40.453.40.20/075 | 40 | ER 32 | 2-20 | 52 | 75 | 50 | 38 | 80.493.20 | 89.202.20 | 89.192.20 |
| 40.453.40.26/075 | | ER 40 | 3-30 | 60,5 | 75 | 63 | 38 | 80.493.26 | 89.202.26 | 89.192.20 |

* DODÁVKA BEZ KLÍČE

* SUPPLIED WITHOUT WRENCH

## DLOUHÉ KLEŠTINOVÉ UPÍNAČE PRO ER KLEŠTINY DIN 6499

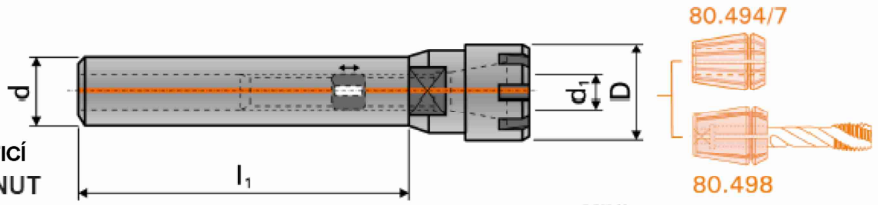
pro nástroje s válcovou stopkou

## LONG COLLET CHUCKS FOR DIN 6499 (ER) COLLETS

for tools with cylindrical shank

**DIN 1835-A**

# 40.455



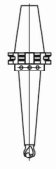

S «MINI» KLEŠTINOU MATICÍ

WITH «MINI» COLLET NUT

| REF. 40.455 | d mm | | $d_1$ mm | A mm | $l_1$ mm | D mm | MINI | | |
|---|---|---|---|---|---|---|---|---|---|
| 40.455.12.10/080 | 12 | ER 16 | 0,5-10 | 40.5 | 80 | 22 | 80.495.10 | 89.205.10 | 89.190.21 |
| 40.455.16.10/050 | 16 | ER 16 | 0,5-10 | 36.5 | 50 | 22 | 80.495.10 | 89.205.10 | 89.192.10 |
| 40.455.16.10/100 | | ER 16 | 0,5-10 | 36.5 | 100 | 22 | 80.495.10 | 89.205.10 | 89.192.10 |
| 40.455.16.10/150 | | ER 16 | 0,5-10 | 36.5 | 150 | 22 | 80.495.10 | 89.205.10 | 89.192.10 |
| 40.455.16.13/050 | | ER 20 | 1-13 | 33.5 | 50 | 28 | 80.495.13 | 89.205.13 | 89.192.10 |
| 40.455.16.13/100 | | ER 20 | 1-13 | 33.5 | 100 | 28 | 80.495.13 | 89.205.13 | 89.192.10 |
| 40.455.16.13/150 | | ER 20 | 1-13 | 33.5 | 150 | 28 | 80.495.13 | 89.205.13 | 89.192.10 |
| 40.455.20.10/050 | 20 | ER 16 | 0,5-10 | 30.5 | 50 | 22 | 80.495.10 | 89.205.10 | 89.192.10 |
| 40.455.20.10/100 | | ER 16 | 0,5-10 | 30.5 | 100 | 22 | 80.495.10 | 89.205.10 | 89.192.10 |
| 40.455.20.10/150 | | ER 16 | 0,5-10 | 30.5 | 150 | 22 | 80.495.10 | 89.205.10 | 89.192.10 |
| 40.455.20.13/050 | | ER 20 | 1-13 | 33.5 | 50 | 28 | 80.495.13 | 89.205.13 | 89.192.13 |
| 40.455.20.13/100 | | ER 20 | 1-13 | 33.5 | 100 | 28 | 80.495.13 | 89.205.13 | 89.192.13 |
| 40.455.20.13/150 | | ER 20 | 1-13 | 33.5 | 150 | 28 | 80.495.13 | 89.205.13 | 89.192.13 |

* DODÁVKA BEZ KLÍČE

* SUPPLIED WITHOUT WRENCH



česky
english
deutsch

## KLEŠTINY DIN 6499 (ER) – TVAR MEXIN
s pojištěním čtyřhranu
## COLLETS DIN 6499 - FORM MEXIN (ER)
with square locking drive

**DIN 6499**

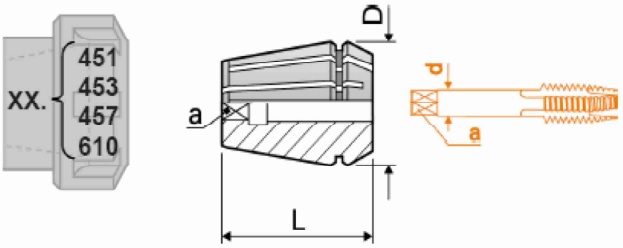
**80.498**

### 80.498.10 ER 16
D = 17 mm L = 27,5 mm

| REF. | $d_1$ mm |
|---|---|
| 80.498.10.05 | 4,5 x 3,4 |
| 80.498.10.06 | 5,5 x 4,3 |
| 80.498.10.07 | 6 x 4,9 |
| 80.498.10.08 | 7 x 5,5 |

### 80.498.13 ER 20
D = 21 mm L = 31,5 mm

| REF. | $d_1$ mm |
|---|---|
| 80.498.13.05 | 4,5 x 3,4 |
| 80.498.13.06 | 5,5 x 4,3 |
| 80.498.13.07 | 6 x 4,9 |
| 80.498.13.08 | 7 x 5,5 |
| 80.498.13.09 | 8 x 6,2 |
| 80.498.13.10 | 9 x 7 |
| 80.498.13.11 | 10 x 8 |




### 80.498.16 ER 25
D = 26 mm L = 34 mm

| REF. | $d_1$ mm |
|---|---|
| 80.498.16.05 | 4,5 x 3,4 |
| 80.498.16.06 | 5,5 x 4,3 |
| 80.498.16.07 | 6 x 4,9 |
| 80.498.16.08 | 7 x 5,5 |
| 80.498.16.09 | 8 x 6,2 |
| 80.498.16.10 | 9 x 7 |
| 80.498.16.11 | 10 x 8 |
| 80.498.16.12 | 11 X 9 |
| 80.498.16.13 | 12 X 9 |

### 80.498.20 ER 32
D = 33 mm L = 40 mm

| REF. | $d_1$ mm |
|---|---|
| 80.498.20.05 | 4,5 x 3,4 |
| 80.498.20.06 | 5,5 x 4,3 |
| 80.498.20.07 | 6 x 4,9 |
| 80.498.20.08 | 7 x 5,5 |
| 80.498.20.09 | 8 x 6,2 |
| 80.498.20.10 | 9 x 7 |
| 80.498.20.11 | 10 x 8 |
| 80.498.20.12 | 11 x 9 |
| 80.498.20.13 | 12 x 9 |
| 80.498.20.14 | 14 x 11 |
| 80.498.20.15 | 16 x 12 |

### 80.498.26 ER 40
D = 41 mm L = 46 mm

| REF. | $d_1$ mm |
|---|---|
| 80.498.26.08 | 7 x 5,5 |
| 80.498.26.09 | 8 x 6,2 |
| 80.498.26.10 | 9 x 7 |
| 80.498.26.11 | 10 x 8 |
| 80.498.26.12 | 11 x 9 |
| 80.498.26.13 | 12 x 9 |
| 80.498.26.14 | 14 x 11 |
| 80.498.26.15 | 16 x 12 |
| 80.498.26.16 | 18 x 14,5 |
| 80.498.26.17 | 20 x 16 |

### 80.498.34 ER 50
D = 52 mm L = 60 mm

| REF. | $d_1$ mm |
|---|---|
| 80.498.34.13 | 12 x 9 |
| 80.498.34.14 | 14 x 11 |
| 80.498.34.15 | 16 x 12 |
| 80.498.34.16 | 18 x 14,5 |
| 80.498.34.17 | 20 x 16 |
| 80.498.34.18 | 22 x 18 |
| 80.498.34.19 | 25 x 20 |
| 80.498.34.20 | 28 x 22 |
| 80.498.34.21 | 32 x 24 |

## KLEŠTINY S TĚSNĚNÍM DIN 6499 (ER)
pro nástroje s válcovou stopkou dle DIN 1835-A a chlazením středem
## SEALED COLLETS DIN 6499 (ER)
for tools with cylindrical shank DIN 1835-A and coolant channel

**DIN 6499-B**

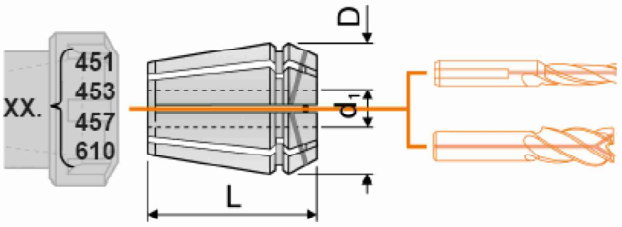
**80.497**

### 80.490.10 ER 16
D = 17 mm L = 27,5 mm

| REF. | $d_1$ mm |
|---|---|
| 80.497.10.040 | 4 |
| 80.497.10.050 | 5 |
| 80.497.10.060 | 6 |
| 80.497.10.070 | 7 |
| 80.497.10.080 | 8 |
| 80.497.10.090 | 9 |
| 80.497.10.100 | 10 |

### 80.490.13 ER 20
D = 21 mm L = 31,5 mm

| REF. | $d_1$ mm |
|---|---|
| 80.497.13.040 | 4 |
| 80.497.13.050 | 5 |
| 80.497.13.060 | 6 |
| 80.497.13.070 | 7 |
| 80.497.13.080 | 8 |
| 80.497.13.090 | 9 |
| 80.497.13.100 | 10 |
| 80.497.13.110 | 11 |
| 80.497.13.120 | 12 |
| 80.497.13.130 | 13 |




### 80.490.16 ER 25
D = 26 mm L = 34 mm

| REF. | $d_1$ mm |
|---|---|
| 80.497.16.040 | 4 |
| 80.497.16.050 | 5 |
| 80.497.16.060 | 6 |
| 80.497.16.070 | 7 |
| 80.497.16.080 | 8 |
| 80.497.16.090 | 9 |
| 80.497.16.100 | 10 |
| 80.497.16.110 | 11 |
| 80.497.16.120 | 12 |
| 80.497.16.130 | 13 |
| 80.497.16.140 | 14 |
| 80.497.16.150 | 15 |
| 80.497.16.160 | 16 |

### 80.490.20 ER 32
D = 33 mm L = 40 mm

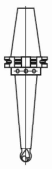
| REF. | $d_1$ mm |
|---|---|
| 80.497.20.040 | 4 |
| 80.497.20.050 | 5 |
| 80.497.20.060 | 6 |
| 80.497.20.070 | 7 |
| 80.497.20.080 | 8 |
| 80.497.20.090 | 9 |
| 80.497.20.100 | 10 |
| 80.497.20.110 | 11 |
| 80.497.20.120 | 12 |
| 80.497.20.130 | 13 |
| 80.497.20.140 | 14 |
| 80.497.20.150 | 15 |
| 80.497.20.160 | 16 |
| 80.497.20.170 | 17 |
| 80.497.20.180 | 18 |
| 80.497.20.190 | 19 |
| 80.497.20.200 | 20 |

### 80.490.26 ER 40
D = 41 mm L = 46 mm

| REF. | $d_1$ mm |
|---|---|
| 80.497.26.040 | 4 |
| 80.497.26.050 | 5 |
| 80.497.26.060 | 6 |
| 80.497.26.070 | 7 |
| 80.497.26.080 | 8 |
| 80.497.26.090 | 9 |
| 80.497.26.100 | 10 |
| 80.497.26.110 | 11 |
| 80.497.26.120 | 12 |
| 80.497.26.130 | 13 |
| 80.497.26.140 | 14 |
| 80.497.26.150 | 15 |
| 80.497.26.160 | 16 |
| 80.497.26.170 | 17 |
| 80.497.26.180 | 18 |
| 80.497.26.190 | 19 |
| 80.497.26.200 | 20 |
| 80.497.26.210 | 21 |
| 80.497.26.220 | 22 |
| 80.497.26.230 | 23 |
| 80.497.26.240 | 24 |
| 80.497.26.250 | 25 |
| 80.497.26.260 | 26 |

### 80.490.34 ER 50
D = 52 mm L = 50 mm

| REF. | $d_1$ mm |
|---|---|
| 80.497.34.120 | 12 |
| 80.497.34.140 | 14 |
| 80.497.34.160 | 16 |
| 80.497.34.180 | 18 |
| 80.497.34.200 | 20 |
| 80.497.34.220 | 22 |
| 80.497.34.240 | 24 |
| 80.497.34.260 | 26 |
| 80.497.34.280 | 28 |
| 80.497.34.300 | 30 |
| 80.497.34.320 | 32 |
| 80.497.34.340 | 34 |

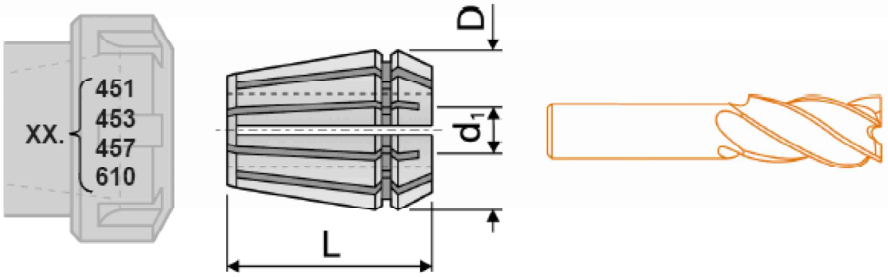


česky
english

# KLEŠTINY S DVOJITOU DRÁŽKOU DIN 6499 – TVAR B (ER)
**pro nástroje s válcovou stopkou dle DIN 1835-A**
**COLLETS DOUBLE SLOT DIN 6499 - FORM B (ER)**
for tools with cylindrical shank DIN 1835-A

**DIN 6499-B**

**80.494**




## 80.494.10 ER 16
D = 17 mm L = 27,5 mm

| REF. | $d_1$ mm |
|---|---|
| 80.494.10.010 | 1 - 0,5 |
| 80.494.10.015 | 1,5 - 1 |
| 80.494.10.020 | 2 - 1,5 |
| 80.494.10.025 | 2,5 - 2 |
| 80.494.10.030 | 3 - 2,5 |
| 80.494.10.040 | 4 - 3 |
| 80.494.10.050 | 5 - 4 |
| 80.494.10.060 | 6 - 5 |
| 80.494.10.070 | 7 - 6 |
| 80.494.10.080 | 8 - 7 |
| 80.494.10.090 | 9 - 8 |
| 80.494.10.100 | 10 - 9 |

## 80.494.13 ER 20
D = 21 mm L = 31,5 mm

| REF. | $d_1$ mm |
|---|---|
| 80.494.13.010 | 1 - 0,5 |
| 80.494.13.015 | 1,5 - 1 |
| 80.494.13.020 | 2 - 1,5 |
| 80.494.13.025 | 2,5 - 2 |
| 80.494.13.030 | 3 - 2,5 |
| 80.494.13.040 | 4 - 3 |
| 80.494.13.050 | 5 - 4 |
| 80.494.13.060 | 6 - 5 |
| 80.494.13.070 | 7 - 6 |
| 80.494.13.080 | 8 - 7 |
| 80.494.13.090 | 9 - 8 |
| 80.494.13.100 | 10 - 9 |
| 80.494.13.110 | 11 - 10 |
| 80.494.13.120 | 12 - 11 |
| 80.494.13.130 | 13 - 12 |

## 80.494.16 ER 25
D = 26 mm L = 34 mm

| REF. | $d_1$ mm |
|---|---|
| 80.494.16.010 | 1 - 0,5 |
| 80.494.16.015 | 1,5 - 1 |
| 80.494.16.020 | 2 - 1,5 |
| 80.494.16.025 | 2,5 - 2 |
| 80.494.16.030 | 3 - 2,5 |
| 80.494.16.040 | 4 - 3 |
| 80.494.16.050 | 5 - 4 |
| 80.494.16.060 | 6 - 5 |
| 80.494.16.070 | 7 - 6 |
| 80.494.16.080 | 8 - 7 |
| 80.494.16.090 | 9 - 8 |
| 80.494.16.100 | 10 - 9 |
| 80.494.16.110 | 11 - 10 |
| 80.494.16.120 | 12 - 11 |
| 80.494.16.130 | 13 - 12 |
| 80.494.16.140 | 14 - 13 |
| 80.494.16.150 | 15 - 14 |
| 80.494.16.160 | 16 - 15 |

## 80.494.20 ER 32
D = 33 mm L = 40 mm

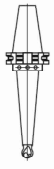
| REF. | $d_1$ mm |
|---|---|
| 80.494.20.020 | 2 - 1,5 |
| 80.494.20.025 | 2,5 - 2 |
| 80.494.20.030 | 3 - 2,5 |
| 80.494.20.040 | 4 - 3 |
| 80.494.20.050 | 5 - 4 |
| 80.494.20.060 | 6 - 5 |
| 80.494.20.070 | 7 - 6 |
| 80.494.20.080 | 8 - 7 |
| 80.494.20.090 | 9 - 8 |
| 80.494.20.100 | 10 - 9 |
| 80.494.20.110 | 11 - 10 |
| 80.494.20.120 | 12 - 11 |
| 80.494.20.130 | 13 - 12 |
| 80.494.20.140 | 14 - 13 |
| 80.494.20.150 | 15 - 14 |
| 80.494.20.160 | 16 - 15 |
| 80.494.20.170 | 17 - 16 |
| 80.494.20.180 | 18 - 17 |
| 80.494.20.190 | 19 - 18 |
| 80.494.20.200 | 20 - 19 |

## 80.494.26 ER 40
D = 41 mm L = 46 mm

| REF. | $d_1$ mm |
|---|---|
| 80.494.26.030 | 3 - 2 |
| 80.494.26.040 | 4 - 3 |
| 80.494.26.050 | 5 - 4 |
| 80.494.26.060 | 6 - 5 |
| 80.494.26.070 | 7 - 6 |
| 80.494.26.080 | 8 - 7 |
| 80.494.26.090 | 9 - 8 |
| 80.494.26.100 | 10 - 9 |
| 80.494.26.110 | 11 - 10 |
| 80.494.26.120 | 12 - 11 |
| 80.494.26.130 | 13 - 12 |
| 80.494.26.140 | 14 - 13 |
| 80.494.26.150 | 15 - 14 |
| 80.494.26.160 | 16 - 15 |
| 80.494.26.170 | 17 - 16 |
| 80.494.26.180 | 18 - 17 |
| 80.494.26.190 | 19 - 18 |
| 80.494.26.200 | 20 - 19 |
| 80.494.26.210 | 21 - 20 |
| 80.494.26.220 | 22 - 21 |
| 80.494.26.230 | 23 - 22 |
| 80.494.26.240 | 24 - 23 |
| 80.494.26.250 | 25 - 24 |
| 80.494.26.260 | 26 - 25 |
| 80.494.26.270 | 27 - 26 |
| 80.494.26.280 | 28 - 27 |
| 80.494.26.290 | 29 - 28 |
| 80.494.26.300 | 30 - 29 |

## 80.494.34 ER 50
D = 52 mm L = 60 mm

| REF. | $d_1$ mm |
|---|---|
| 80.494.34.060 | 6 - 4 |
| 80.494.34.080 | 8 - 6 |
| 80.494.34.100 | 10 - 8 |
| 80.494.34.120 | 12 - 10 |
| 80.494.34.140 | 14 - 12 |
| 80.494.34.160 | 16 - 14 |
| 80.494.34.180 | 18 - 16 |
| 80.494.34.200 | 20 - 18 |
| 80.494.34.220 | 22 - 20 |
| 80.494.34.240 | 24 - 22 |
| 80.494.34.260 | 26 - 24 |
| 80.494.34.280 | 28 - 26 |
| 80.494.34.300 | 30 - 28 |
| 80.494.34.320 | 32 - 30 |
| 80.494.34.340 | 34 - 32 |



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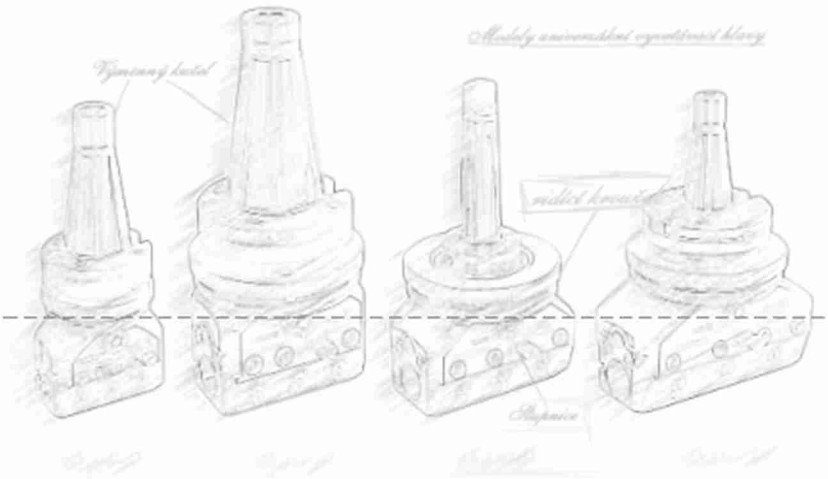

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