



# JIS B 6339 (MAS 403 BT)

## A - AD - AD/B

### Werkzeugaufnahmen

Toolholders

Porte-outils

Takım Tutucular

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JIS B 6339  
(MAS 403 BT)

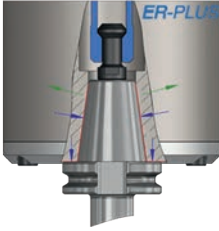
**Mit EROGLU erhalten Sie auch Semi-Standard – in der gleichen Qualität!**

**With EROGLU you receive semi-standard, too – within the same quality!**

**Avec EROGLU vous recevez aussi semi-standard – avec la même qualité!**

**Özel ürün seçenekleri ile EROĞLU kalitesi hep sizinle...**

## . ERP



BT Halter können als ER-PLUS (Doppelkontakt) gefertigt werden  
(Beispiel Bestellnummer: 405.02.10.63.ERP)

BT products can be produced as ER-PLUS (Dual face contact)  
(Example order code no: 405.02.10.63.ERP)

Mandrins BT peut être fabrique comme version ER-PLUS (double contact)  
(Exemple commande no: 405.02.10.63.ERP)

Tüm BT ürünler ER-PLUS (Çift yüzey temaslı) olarak üretilebilir.  
(Örnek sip. Nr. : 405.02.10.63.ERP)

## . ON



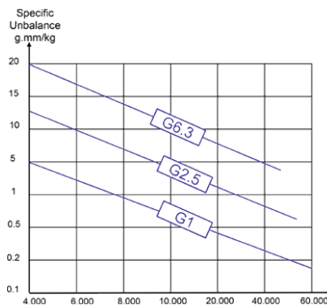
Alle BT30 Aufnahmen auf seite 2.05 - 2.12 - 2.27 - 2.42 können für  
Holzbearbeitungsmaschinen als Typ "ON" (ohne Mitnehmernuten und ohne  
Positionierungskerbe) bestellt werden. (Beispiel Bestellnummer: 305.02.10.70.ON)

All BT30 chucks at page 2.05 - 2.12 - 2.27 - 2.42 can be ordered for wooden  
machines as type "ON" (without driving grooves and without positioning mark).  
(Example order code no: 305.02.10.70.ON)

Tous les mandrins BT30 à la page 2.05 - 2.12 - 2.27 - 2.42 peuvent également être  
commandés pour les machines à bois de type "ON" (sans rainure de clavette et  
sans marquage de positionnement). (Exemple commande no: 305.02.10.70.ON)

Sayfa numaraları belirtilen takım tutucular için BT30 kama kanalsız üretilebilir.  
Sayfa 2.05 - 2.12 - 2.27 - 2.42 (Örnek sip. Nr. : 305.02.10.70.ON)

## . G2.5 x ...



Alle Artikel können mit dem angegeben Maximalwert feingewuchtet werden.

All products can be produced in the specified maximum balance value.

Tous les articles peuvent être spécifiés avec le maximum de précision équilibrée.

Tüm takım tutucular belirlenen max. balans değerlerinde üretilebilir.

## ER-PLUS Doppelkontakt



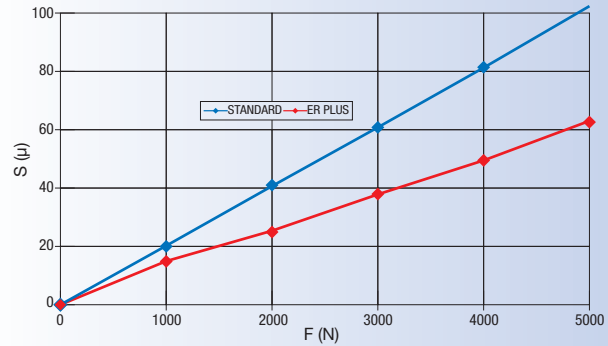
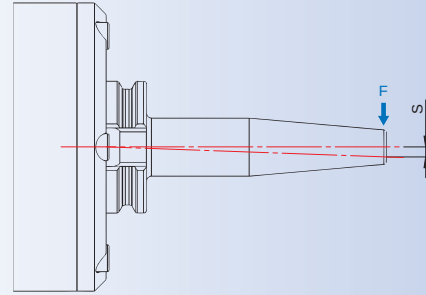
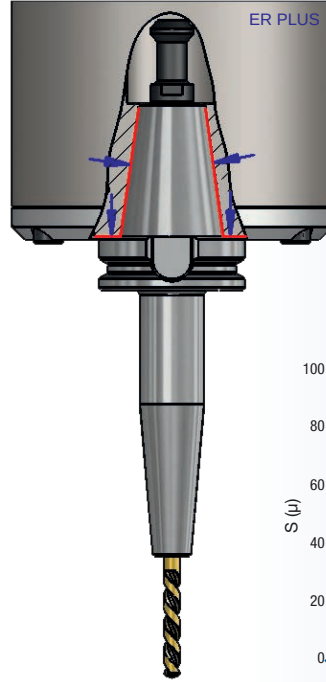
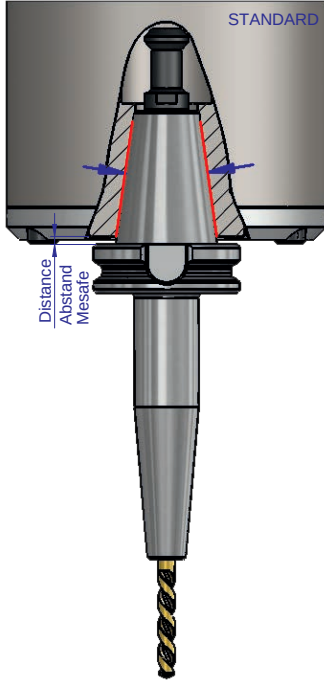
### ER-PLUS Dual face contact

### ER-PLUS double contact

### ER-PLUS Çift yüzey teması

Standard Werkzeug-System  
Standard Tooling System  
système d'outils standard  
Standart Takım sistemi  
Abstand / Distance / Distance / Mesafe

ER-PLUS Werkzeug-System  
ER-PLUS Tooling System  
ER-PLUS système d'outils  
ER-PLUS Takım Sistemi  
Kontakt / Contact / Contact / Temas

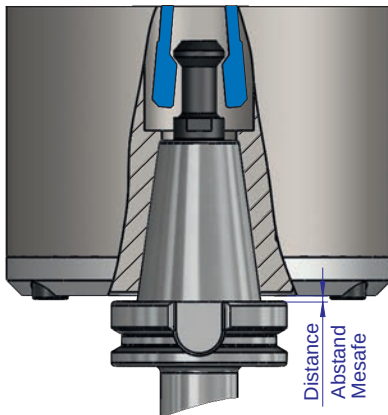


Der Unterschied des ER-PLUS Systems zur konventionellen Schnittstelle, ist eine doppelte Kontaktfläche: am Kegel und gleichzeitig am Werkzeugflansch. Dies erlaubt eine höhere Radialsteifigkeit.

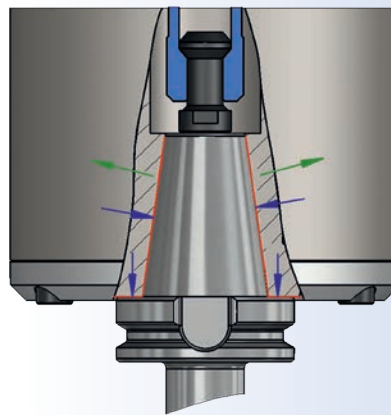
The differences between standard contact face to ER-PLUS system, is a dual contact face: by shank and also flange face. This allows a higher radial rigidity.

La différence du système ER-PLUS d'interface est un contact double: au cône et bride. C'est rendre possible une plus haut rigidité radiale.

Standart takım sistemi ile ER-PLUS takım sistemi arasındaki farklılık, ER-PLUS sisteminde konikte ve alında çift temas yüzeyi sağlamaktır. Bu takımda yüksek radyal rijitlik sağlar.



Vor dem Einspannen  
Before clamping  
Avant tendre  
Çektirmeden önce



Nach dem Einspannen  
After clamping  
Après tendre  
Çektirmeden sonra

Beispiel Bestellnummer : 406.25.06.90.ERP  
Example order code no : 406.25.06.90.ERP  
Exemple commande no : 406.25.06.90.ERP  
Örnek sipariş numarası : 406.25.06.90.ERP



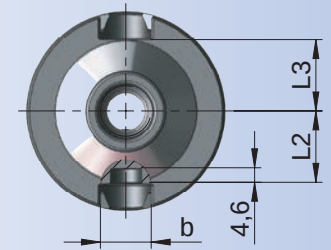
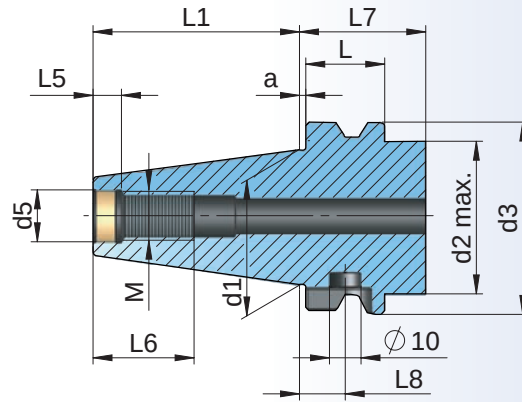
## Werkzeugaufnahmen

JIS B 6339 (MAS 403 BT) AD

### Toolholders

### Porte-outils

### Merkezden Soğutmalı Konik Şaft Ölçüleri



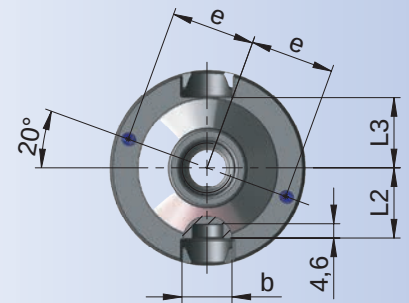
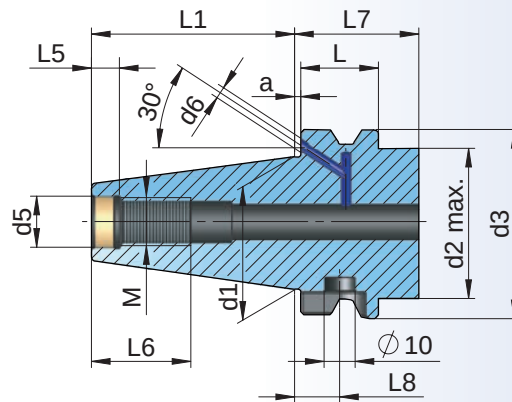
## Werkzeugaufnahmen

JIS B 6339 (MAS 403 BT) AD/B

### Toolholders

### Porte-outils

### Merkezden ve (B) Alından Soğutmalı Konik Şaft Ölçüleri



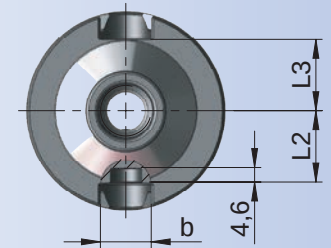
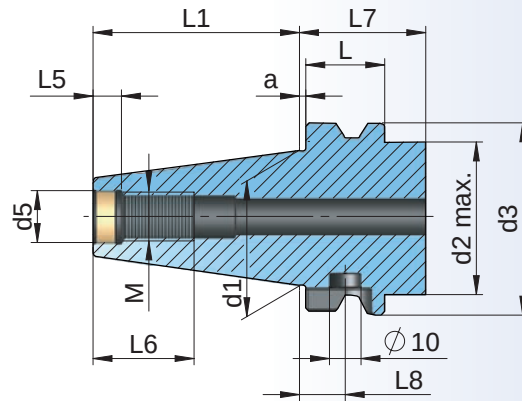
## Werkzeugaufnahmen BT ERPLUS

JIS B 6339 (MAS 403 BT) AD

### Toolholders BT ERPLUS

### Porte-outils BT ERPLUS

### Merkezden Soğutmalı Konik Şaft Ölçüleri



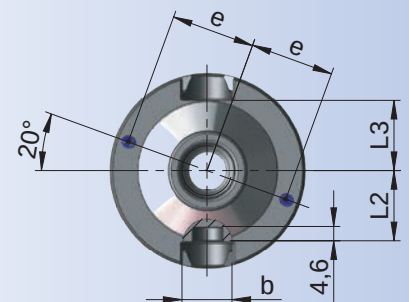
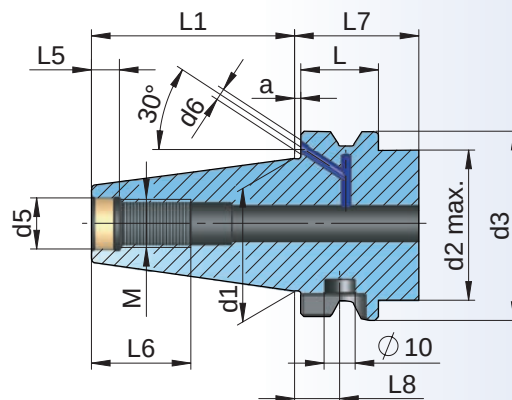
## Werkzeugaufnahmen BT ERPLUS

JIS B 6339 (MAS 403 BT) AD/B

### Toolholders BT ERPLUS

### Porte-outils BT ERPLUS

### Merkezden ve (B) Alından Soğutmalı Konik Şaft Ölçüleri







| BT        | FORM | d1    | a   | M   | L6 | d3  | L    | d2<br>max. | L7 | L1    | d5   | L5 | b    | L2   | L3   | L8   | d6 | e  |
|-----------|------|-------|-----|-----|----|-----|------|------------|----|-------|------|----|------|------|------|------|----|----|
| BT 30     | AD   | 31,75 | 2,0 | M12 | 27 | 46  | 20   | 45         | 30 | 48,4  | 12,5 | 7  | 16,1 | 16,3 | 16,3 | 11,0 | -  | -  |
| BT 40     | AD   | 44,45 | 2,0 | M16 | 32 | 63  | 25   | 61         | 37 | 65,4  | 17,0 | 9  | 16,1 | 22,6 | 22,6 | 14,5 | -  | -  |
| BT 40     | AD/B | 44,45 | 2,0 | M16 | 32 | 63  | 25   | 61         | 37 | 65,4  | 17,0 | 9  | 16,1 | 22,6 | 22,6 | 14,5 | 4  | 27 |
| BT 40-ERP | AD   | 44,45 | 1,0 | M16 | 32 | 63  | 26   | 61         | 37 | 65,4  | 17,0 | 9  | 16,1 | 22,6 | 22,6 | 14,5 | -  | -  |
| BT 40-ERP | AD/B | 44,45 | 1,0 | M16 | 32 | 63  | 26   | 61         | 37 | 65,4  | 17,0 | 9  | 16,1 | 22,6 | 22,6 | 14,5 | 4  | 27 |
| BT 50     | AD   | 69,85 | 3,0 | M24 | 47 | 100 | 35   | 98         | 50 | 101,8 | 25,0 | 13 | 25,7 | 35,4 | 35,4 | 20,5 | -  | -  |
| BT 50     | AD/B | 69,85 | 3,0 | M24 | 47 | 100 | 35   | 98         | 50 | 101,8 | 25,0 | 13 | 25,7 | 35,4 | 35,4 | 20,5 | 6  | 42 |
| BT 50-ERP | AD   | 69,85 | 1,5 | M24 | 47 | 100 | 36,5 | 98         | 50 | 101,8 | 25,0 | 13 | 25,7 | 35,4 | 35,4 | 20,5 | -  | -  |
| BT 50-ERP | AD/B | 69,85 | 1,5 | M24 | 47 | 100 | 36,5 | 98         | 50 | 101,8 | 25,0 | 13 | 25,7 | 35,4 | 35,4 | 20,5 | 6  | 42 |

**Werkstoff :** : Legierter Einsatzstahl mit einer Zugfestigkeit im Kern von min. 950 N/mm<sup>2</sup>

**Ausführung :** : Einsatzgehärtet HRC 58 ± 2 Härtetiefe 0,6 mm + 0,2 mm, brüniert

**Genauigkeit :** : Kegelwinkel-Toleranzqualität AT 3 nach DIN 2080

Oberflächenrauigkeit des Kegels Ra 0,2

**Chip :** : Bohrung für Datenträger DIN 69873 im Bund.

**Material :** : Case hardened steel, tensile strength in the core min. 950 N/mm<sup>2</sup>

**Execution :** : Case hardened HRC 58 ± 2 Depth of case 0,6 mm + 0,2 mm, black-finish

**Accuracy :** : Cone angle AT 3 according DIN 2080

Surface roughness of cone Ra 0,2

**Chip hole :** : Bore for data carrier DIN 69873 in collar.

**Matière :** : Châssis d'allié en acier de cémentation. Résistance à la traction dans le noyau de min 950 N/mm<sup>2</sup>

**Exécution :** : Cementé HRC 58 ± 2 Epaisseur de cémentation 0,6 mm + 0,2 mm  
Bruni

**Précision :** : Qualité de finition pour l'angle des cône AT 3 suivant DIN 2080

Rugosité en surface du cône Ra 0,2

**Puce :** : Pergage pour support de données DIN 69873 dans la collerette.

**Malzeme :** : Alaşımlı sement çeliği çekme mukavemeti min. 950 N/mm<sup>2</sup>

**Teknik özelliği :** : Sertlik HRC 58 ± 2 sertlik derinliği 0,6 mm + 0,2 mm, karartılmış

**Hassasiyeti :** : Konik açı tolerans kalitesi DIN 2080 normuna göre AT 3

Konik yüzey kalitesi Ra 0,2

**Çip deliği :** : Takım bilgilerini saklamak için flanşta DIN 69873 özel çip deliği.

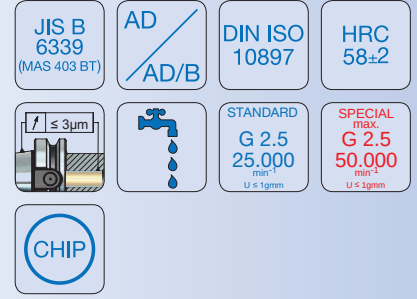


## Spannfutter OZ

### Collet chucks OZ

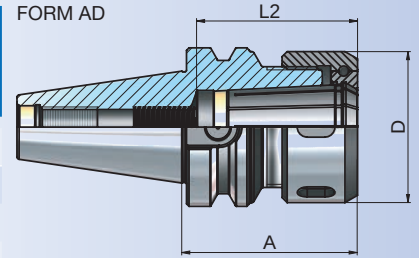
### Mandrin à pinces OZ

### Pens başlığı OZ

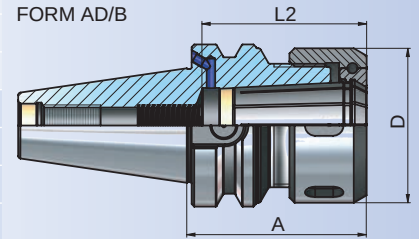


| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Abmessung<br>Size<br>Dimension<br>Cinsi | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | A   | D  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|-----------------------------------------|--------------------------------------------------|-----|----|----|------|------|
| •305.01.16.60                                        | BT 30 | AD   | OZ 16                                   | 415 E (2-16)                                     | 60  | 43 | 51 | 0,57 |      |
| •305.01.25.80                                        | BT 30 | AD   | OZ 25                                   | 462 E (2-25)                                     | 80  | 60 | 64 | 0,95 |      |
| 405.01.16.70                                         | BT 40 | AD   | OZ 16                                   | 415 E (2-16)                                     | 70  | 43 | 51 | 1,20 |      |
| 406.01.16.70                                         | BT 40 | AD/B | OZ 16                                   | 415 E (2-16)                                     | 70  | 43 | 51 | 1,19 |      |
| 405.01.16.100                                        | BT 40 | AD   | OZ 16                                   | 415 E (2-16)                                     | 100 | 43 | 51 | 1,51 |      |
| 406.01.16.100                                        | BT 40 | AD/B | OZ 16                                   | 415 E (2-16)                                     | 100 | 43 | 51 | 1,51 |      |
| 405.01.25.70                                         | BT 40 | AD   | OZ 25                                   | 462 E (2-25)                                     | 70  | 60 | 64 | 1,37 |      |
| 406.01.25.70                                         | BT 40 | AD/B | OZ 25                                   | 462 E (2-25)                                     | 70  | 60 | 64 | 1,37 |      |
| 405.01.25.100                                        | BT 40 | AD   | OZ 25                                   | 462 E (2-25)                                     | 100 | 60 | 64 | 2,01 |      |
| 406.01.25.100                                        | BT 40 | AD/B | OZ 25                                   | 462 E (2-25)                                     | 100 | 60 | 64 | 2,00 |      |
| •405.01.32.90                                        | BT 40 | AD   | OZ 32                                   | 467 E (4-32)                                     | 90  | 72 | 74 | 1,87 |      |
| •406.01.32.90                                        | BT 40 | AD/B | OZ 32                                   | 467 E (4-32)                                     | 90  | 72 | 74 | 1,86 |      |
| 505.01.16.70                                         | BT 50 | AD   | OZ 16                                   | 415 E (2-16)                                     | 70  | 43 | 51 | 3,74 |      |
| 506.01.16.70                                         | BT 50 | AD/B | OZ 16                                   | 415 E (2-16)                                     | 70  | 43 | 51 | 3,72 |      |
| 505.01.25.85                                         | BT 50 | AD   | OZ 25                                   | 462 E (2-25)                                     | 85  | 60 | 64 | 4,11 |      |
| 506.01.25.85                                         | BT 50 | AD/B | OZ 25                                   | 462 E (2-25)                                     | 85  | 60 | 64 | 4,10 |      |
| 505.01.32.90                                         | BT 50 | AD   | OZ 32                                   | 467 E (4-32)                                     | 90  | 72 | 74 | 4,36 |      |
| 506.01.32.90                                         | BT 50 | AD/B | OZ 32                                   | 467 E (4-32)                                     | 90  | 72 | 74 | 4,35 |      |
| 505.01.32.110                                        | BT 50 | AD   | OZ 32                                   | 467 E (4-32)                                     | 110 | 72 | 74 | 4,98 |      |
| 506.01.32.110                                        | BT 50 | AD/B | OZ 32                                   | 467 E (4-32)                                     | 110 | 72 | 74 | 4,96 |      |

FORM AD



FORM AD/B



- Technisch gibt es keinen Chip.
- Technically there is no chip hole.
- Techniquement, il n'y a pas de puce.
- Teknik açıdan çip deliği bulunmamaktadır.

## Zubehör / Accessories / Accessoires / Yedekler



Spannzangen OZ  
Collets OZ  
Pincers de serrage OZ  
Pens OZ



Spannmutter OZ  
Clamping nuts OZ  
Écrou de serrage OZ  
Pens kapağı OZ



Hakenschlüssel  
Wrench  
Clé à ergot  
E tipi ay anahtar

## Spannfutter ER

### Collet chucks ER

### Mandrin à pinces ER

### Pens başlığı ER



JIS B  
6339  
(MAS 403 BT)

AD  
AD/B

DIN ISO  
15488

HRC  
58±2



STANDARD  
G 2.5  
25.000  
min<sup>-1</sup>  
U ≤ 1gmm

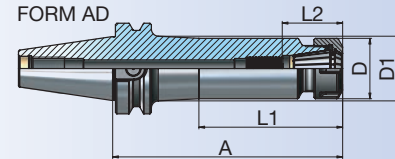
SPECIAL  
max.  
G 2.5  
50.000  
min<sup>-1</sup>  
U ≤ 1gmm



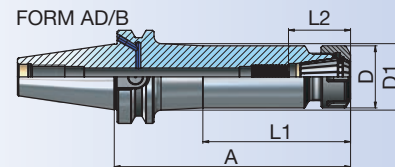
JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | A   | D  | D1 | L1 | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|-----|----|----|----|----|------|------|
| 305.02.10.70                                         | BT 30 | AD   | ER16 (1 - 10)                                    | 70  | 28 | -  | -  | 32 | 0,54 |      |
| 305.02.10.100                                        | BT 30 | AD   | ER16 (1 - 10)                                    | 100 | 28 | -  | -  | 32 | 0,67 |      |
| 305.02.16.70                                         | BT 30 | AD   | ER25 (2 - 16)                                    | 70  | 42 | -  | -  | 42 | 0,66 |      |
| 305.02.16.100                                        | BT 30 | AD   | ER25 (2 - 16)                                    | 100 | 42 | -  | -  | 42 | 0,97 |      |
| 305.02.20.70                                         | BT 30 | AD   | ER32 (2 - 20)                                    | 70  | 50 | -  | -  | 48 | 0,66 |      |
| 305.02.20.100                                        | BT 30 | AD   | ER32 (2 - 20)                                    | 100 | 50 | -  | -  | 48 | 0,94 |      |
| *305.02.26.70                                        | BT 30 | AD   | ER40 (3 - 26)                                    | 70  | 63 | -  | -  | 55 | 0,81 |      |

FORM AD



FORM AD/B



ER 16

- Technisch gibt es keinen Chip.
- Technically there is no chip hole.
- Techniquement, il n'y a pas de puce.
- Teknik açıdan çip deliği bulunmamaktadır.

## Zubehör / Accessories / Accessoires / Yedekler

DIN ISO  
15488



10.11 - 10.18

Spannzangen System ER  
Collets System ER  
Pinces de serrage System ER  
Pens ER

DIN ISO  
15488



10.25 - 10.26

Spannmutter ER  
Clamping nuts ER  
Écrou de serrage ER  
Pens kapağı ER



10.48

Spannschlüssel für ER  
Wrench ER  
Clé de serrage ER  
Anahtar ER



11.01

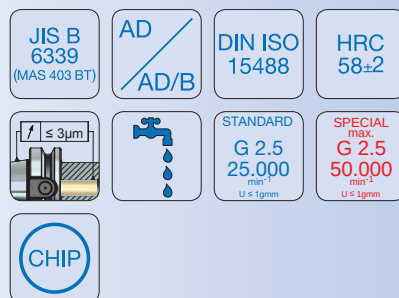


## Spannfutter ER

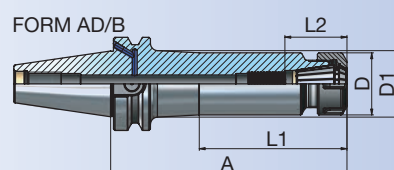
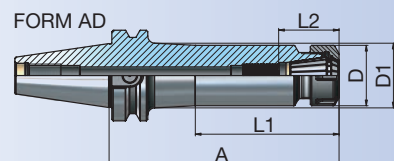
### Collet chucks ER

### Mandrin à pince ER

### Pens başlığı ER



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | A   | D  | D1   | L1  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|-----|----|------|-----|----|------|------|
| 405.02.20.70                                         | BT 40 | AD   | ER32 (2 - 20)                                    | 70  | 50 | -    | -   | 48 | 1,25 |      |
| 406.02.20.70                                         | BT 40 | AD/B | ER32 (2 - 20)                                    | 70  | 50 | -    | -   | 48 | 1,24 |      |
| 405.02.20.100                                        | BT 40 | AD   | ER32 (2 - 20)                                    | 100 | 50 | -    | -   | 48 | 1,68 |      |
| 406.02.20.100                                        | BT 40 | AD/B | ER32 (2 - 20)                                    | 100 | 50 | -    | -   | 48 | 1,68 |      |
| 405.02.20.130                                        | BT 40 | AD   | ER32 (2 - 20)                                    | 130 | 50 | -    | -   | 48 | 2,12 |      |
| 406.02.20.130                                        | BT 40 | AD/B | ER32 (2 - 20)                                    | 130 | 50 | -    | -   | 48 | 2,12 |      |
| 405.02.20.160                                        | BT 40 | AD   | ER32 (2 - 20)                                    | 160 | 50 | 53,5 | 101 | 48 | 2,58 |      |
| 406.02.20.160                                        | BT 40 | AD/B | ER32 (2 - 20)                                    | 160 | 50 | 53,5 | 101 | 48 | 2,58 |      |
| 406.02.20.200                                        | BT 40 | AD/B | ER32 (2 - 20)                                    | 200 | 50 | 55   | 123 | 48 | 3,21 |      |
| 405.02.26.80                                         | BT 40 | AD   | ER40 (3 - 26)                                    | 80  | 63 | -    | -   | 55 | 1,61 |      |
| 406.02.26.80                                         | BT 40 | AD/B | ER40 (3 - 26)                                    | 80  | 63 | -    | -   | 55 | 1,61 |      |
| 405.02.26.100                                        | BT 40 | AD   | ER40 (3 - 26)                                    | 100 | 63 | -    | -   | 55 | 2,08 |      |
| 406.02.26.100                                        | BT 40 | AD/B | ER40 (3 - 26)                                    | 100 | 63 | -    | -   | 55 | 2,07 |      |
| 405.02.26.130                                        | BT 40 | AD   | ER40 (3 - 26)                                    | 130 | 63 | -    | -   | 55 | 2,78 |      |
| 406.02.26.130                                        | BT 40 | AD/B | ER40 (3 - 26)                                    | 130 | 63 | -    | -   | 55 | 2,78 |      |
| 405.02.26.160                                        | BT 40 | AD   | ER40 (3 - 26)                                    | 160 | 63 | -    | -   | 55 | 3,48 |      |
| 406.02.26.160                                        | BT 40 | AD/B | ER40 (3 - 26)                                    | 160 | 63 | -    | -   | 55 | 3,48 |      |
| 406.02.26.200                                        | BT 40 | AD/B | ER40 (3 - 26)                                    | 200 | 63 | -    | -   | 55 | 4,42 |      |
| 505.02.10.70                                         | BT 50 | AD   | ER16 (1 - 10)                                    | 70  | 28 | -    | -   | 32 | 3,69 |      |
| 506.02.10.70                                         | BT 50 | AD/B | ER16 (1 - 10)                                    | 70  | 28 | -    | -   | 32 | 3,68 |      |
| 505.02.10.100                                        | BT 50 | AD   | ER16 (1 - 10)                                    | 100 | 28 | -    | -   | 32 | 3,81 |      |
| 506.02.10.100                                        | BT 50 | AD/B | ER16 (1 - 10)                                    | 100 | 28 | -    | -   | 32 | 3,80 |      |
| 505.02.10.130                                        | BT 50 | AD   | ER16 (1 - 10)                                    | 130 | 28 | -    | -   | 32 | 3,93 |      |
| 506.02.10.130                                        | BT 50 | AD/B | ER16 (1 - 10)                                    | 130 | 28 | -    | -   | 32 | 3,91 |      |
| 505.02.10.160                                        | BT 50 | AD   | ER16 (1 - 10)                                    | 160 | 28 | 33   | 71  | 32 | 4,10 |      |
| 506.02.10.160                                        | BT 50 | AD/B | ER16 (1 - 10)                                    | 160 | 28 | 33   | 71  | 32 | 4,08 |      |
| 506.02.10.200                                        | BT 50 | AD/B | ER16 (1 - 10)                                    | 200 | 28 | 34   | 98  | 32 | 4,28 |      |



## Zubehör / Accessories / Accessoires / Yedekler



Spannzangen System ER  
Collets System ER  
Pince de serrage System ER  
Pens ER



Spannmutter ER  
Clamping nuts ER  
Écrou de serrage ER  
Pens kapağı ER



Spannschlüssel für ER  
Wrench ER  
Clé de serrage ER  
Anahtar ER



i  
11.01



## Spannfutter ER

### Collet chucks ER

### Mandrin à pinces ER

### Pens başlığı ER



JIS B  
6339  
(MAS 403 BT)

AD  
AD/B

DIN ISO  
15488

HRC  
58±2



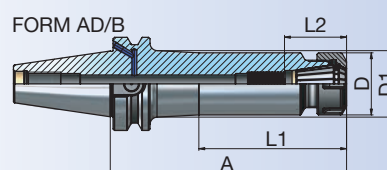
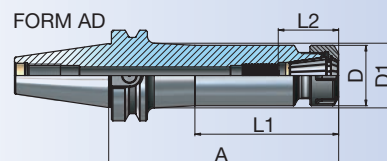
STANDARD  
G 2.5  
25.000  
min<sup>-1</sup>  
U ≤ 1g/min

SPECIAL  
max.  
G 2.5  
50.000  
min<sup>-1</sup>  
U ≤ 1g/min



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | A   | D  | D1   | L1   | L2   | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|-----|----|------|------|------|------|------|
| <b>new</b> 506.02.13.70                              | BT 50 | AD/B | ER20 (1 - 13)                                    | 70  | 34 | -    | -    | 39,5 | 3,73 |      |
| <b>new</b> 506.02.13.100                             | BT 50 | AD/B | ER20 (1 - 13)                                    | 100 | 34 | -    | -    | 39,5 | 3,90 |      |
| <b>new</b> 506.02.13.130                             | BT 50 | AD/B | ER20 (1 - 13)                                    | 130 | 34 | -    | -    | 39,5 | 4,09 |      |
| <b>new</b> 506.02.13.160                             | BT 50 | AD/B | ER20 (1 - 13)                                    | 160 | 34 | 39   | 99,5 | 39,5 | 4,29 |      |
| 505.02.16.70                                         | BT 50 | AD   | ER25 (2 - 16)                                    | 70  | 42 | -    | -    | 42   | 3,73 |      |
| 506.02.16.70                                         | BT 50 | AD/B | ER25 (2 - 16)                                    | 70  | 42 | -    | -    | 50   | 3,71 |      |
| 505.02.16.100                                        | BT 50 | AD   | ER25 (2 - 16)                                    | 100 | 42 | -    | -    | 42   | 4,03 |      |
| 506.02.16.100                                        | BT 50 | AD/B | ER25 (2 - 16)                                    | 100 | 42 | -    | -    | 42   | 4,02 |      |
| 505.02.16.130                                        | BT 50 | AD   | ER25 (2 - 16)                                    | 130 | 42 | -    | -    | 42   | 4,33 |      |
| 506.02.16.130                                        | BT 50 | AD/B | ER25 (2 - 16)                                    | 130 | 42 | -    | -    | 42   | 4,32 |      |
| 505.02.16.160                                        | BT 50 | AD   | ER25 (2 - 16)                                    | 160 | 42 | 47   | 73   | 42   | 4,70 |      |
| 506.02.16.160                                        | BT 50 | AD/B | ER25 (2 - 16)                                    | 160 | 42 | 47   | 73   | 42   | 4,68 |      |
| 506.02.16.200                                        | BT 50 | AD/B | ER25 (2 - 16)                                    | 200 | 42 | 48   | 100  | 42   | 5,14 |      |
| 505.02.20.70                                         | BT 50 | AD   | ER32 (2 - 20)                                    | 70  | 50 | -    | -    | 48   | 3,75 |      |
| 506.02.20.70                                         | BT 50 | AD/B | ER32 (2 - 20)                                    | 70  | 50 | -    | -    | 48   | 3,73 |      |
| 505.02.20.100                                        | BT 50 | AD   | ER32 (2 - 20)                                    | 100 | 50 | -    | -    | 48   | 4,17 |      |
| 506.02.20.100                                        | BT 50 | AD/B | ER32 (2 - 20)                                    | 100 | 50 | -    | -    | 48   | 4,16 |      |
| 505.02.20.130                                        | BT 50 | AD   | ER32 (2 - 20)                                    | 130 | 50 | -    | -    | 48   | 4,61 |      |
| 506.02.20.130                                        | BT 50 | AD/B | ER32 (2 - 20)                                    | 130 | 50 | -    | -    | 48   | 4,59 |      |
| 505.02.20.160                                        | BT 50 | AD   | ER32 (2 - 20)                                    | 160 | 50 | 55   | 74   | 48   | 5,12 |      |
| 506.02.20.160                                        | BT 50 | AD/B | ER32 (2 - 20)                                    | 160 | 50 | 55   | 74   | 48   | 5,10 |      |
| 506.02.20.200                                        | BT 50 | AD/B | ER32 (2 - 20)                                    | 200 | 50 | 55,5 | 101  | 48   | 5,75 |      |
| 505.02.26.80                                         | BT 50 | AD   | ER40 (3 - 26)                                    | 80  | 63 | -    | -    | 55   | 4,02 |      |
| 506.02.26.80                                         | BT 50 | AD/B | ER40 (3 - 26)                                    | 80  | 63 | -    | -    | 55   | 4,00 |      |
| 505.02.26.100                                        | BT 50 | AD   | ER40 (3 - 26)                                    | 100 | 63 | -    | -    | 55   | 4,49 |      |
| 506.02.26.100                                        | BT 50 | AD/B | ER40 (3 - 26)                                    | 100 | 63 | -    | -    | 55   | 4,47 |      |
| 505.02.26.130                                        | BT 50 | AD   | ER40 (3 - 26)                                    | 130 | 63 | -    | -    | 55   | 5,19 |      |
| 506.02.26.130                                        | BT 50 | AD/B | ER40 (3 - 26)                                    | 130 | 63 | -    | -    | 55   | 5,17 |      |
| 505.02.26.160                                        | BT 50 | AD   | ER40 (3 - 26)                                    | 160 | 63 | 67,5 | 76   | 55   | 5,99 |      |
| 506.02.26.160                                        | BT 50 | AD/B | ER40 (3 - 26)                                    | 160 | 63 | 67,5 | 76   | 55   | 5,97 |      |
| 506.02.26.200                                        | BT 50 | AD/B | ER40 (3 - 26)                                    | 200 | 63 | 68,5 | 103  | 55   | 6,99 |      |



## Zubehör / Accessories / Accessoires / Yedekler

DIN ISO  
15488



10.11 - 10.18

Spannzangen System ER  
Collets System ER  
Pinces de serrage System ER  
Pens ER

DIN ISO  
15488



10.25 - 10.26

Spannmutter ER  
Clamping nuts ER  
Écrou de serrage ER  
Pens kapağı ER



10.48

Spannschlüssel für ER  
Wrench ER  
Clé de serrage ER



11.01

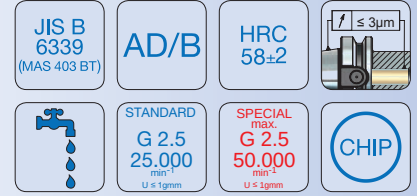


## Spannfutter ER Mini

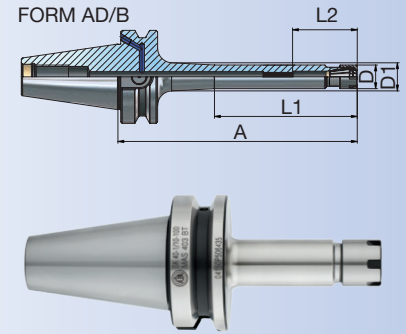
### Collet chucks ER Mini

### Mandrin à pinces ER Mini

### Pens başlığı ER Mini



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | A   | D  | D1   | L1   | L2   | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|-----|----|------|------|------|------|------|
| 406.02.07.63.M                                       | BT 40 | AD/B | ER11 (1 - 7)                                     | 63  | 16 | -    | -    | 41,5 | 1,00 |      |
| 406.02.07.100.M                                      | BT 40 | AD/B | ER11 (1 - 7)                                     | 100 | 16 | -    | -    | 41,5 | 1,06 |      |
| 406.02.07.130.M                                      | BT 40 | AD/B | ER11 (1 - 7)                                     | 130 | 16 | -    | -    | 41,5 | 1,10 |      |
| 406.02.07.160.M                                      | BT 40 | AD/B | ER11 (1 - 7)                                     | 160 | 16 | 19,5 | 94,5 | 41,5 | 1,15 |      |
| 406.02.10.100.M                                      | BT 40 | AD/B | ER16 (1 - 10)                                    | 100 | 22 | -    | -    | 32   | 1,11 |      |
| 406.02.10.130.M                                      | BT 40 | AD/B | ER16 (1 - 10)                                    | 130 | 22 | -    | -    | 32   | 1,19 |      |
| 406.02.10.160.M                                      | BT 40 | AD/B | ER16 (1 - 10)                                    | 160 | 22 | 25,5 | 98   | 32   | 1,29 |      |
| 506.02.10.100.M                                      | BT 50 | AD/B | ER16 (1 - 10)                                    | 100 | 22 | -    | -    | 32   | 3,73 |      |
| 506.02.10.130.M                                      | BT 50 | AD/B | ER16 (1 - 10)                                    | 130 | 22 | -    | -    | 32   | 3,81 |      |
| 506.02.10.160.M                                      | BT 50 | AD/B | ER16 (1 - 10)                                    | 160 | 22 | 27   | 71   | 32   | 3,93 |      |



## Zubehör / Accessories / Accessoires / Yedekler



Spannzangen System ER  
Collets System ER  
Pinces de serrage System ER  
Pens ER



Spannmutter Mini  
Nut Mini  
Écrou mini  
Mini kapak



Rollenschlüssel für Spannmutter  
Roller Bearing Wrenches  
Cles à rouleaux  
Bilyalı Kapak Sıkma Anahtar



Spannschlüssel  
Wrench  
Clé de serrage  
Anahtar ER



11.01



JIS B 6339  
(MAS 403 BT)

## Spannfuttersatz im Koffer

### Collet chuck set in box

### Mandrin á pincas pour pincas (set) dans coffre

### Pens başlığı seti plastik kutuda

JIS B  
6339  
(MAS 403 BT)

AD/B

DIN ISO  
10897

HRC  
58±2



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Abmessung<br>Size<br>Dimension<br>Cinsi | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | Spannzangen Durchmesser<br>Collet Diameter<br>Pincas Diamètre<br>Pens Çapı | Spannzangen Stk.<br>Collet Pcs.<br>Pincas<br>Pens Adedi | Kg    | Euro |
|------------------------------------------------------|-------|------|-----------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------|-------|------|
| <b>new</b> 406.61.16.70                              | BT 40 | AD/B | OZ 16                                   | 415 E (2 - 16)                                   | 4-5-6-7-8-9-10-11-12-14-15-16                                              | 12                                                      | 2,81  |      |
| <b>new</b> 406.61.25.70                              | BT 40 | AD/B | OZ 25                                   | 462 E (2 - 25)                                   | 4-5-6-7-8-9-10-11-12-14-16-18-20-22-24-25                                  | 16                                                      | 5,64  |      |
| <b>new</b> •406.61.32.90                             | BT 40 | AD/B | OZ 32                                   | 467 E (4 - 32)                                   | 6-7-8-9-10-12-14-16-18-20-22-24-25-28-30-32                                | 16                                                      | 9,03  |      |
| <b>new</b> 506.61.25.85                              | BT 50 | AD/B | OZ 25                                   | 462 E (2 - 25)                                   | 4-5-6-7-8-9-10-11-12-14-16-18-20-22-24-25                                  | 16                                                      | 8,63  |      |
| <b>new</b> 506.61.32.90                              | BT 50 | AD/B | OZ 32                                   | 467 E (4 - 32)                                   | 6-7-8-9-10-12-14-16-18-20-22-24-25-28-30-32                                | 16                                                      | 11,52 |      |

Lieferumfang : Spannfutter, inkl. Spannzangen mit Schlüssel  
Included : Collet chuck with collets and wrench  
Inclus : Mandrin avec pincas et clé  
Teslim Şekli : Tutucu, pensleri ve anahtarıyla birlikte

- Technisch gibt es keinen Chip.
- Technically there is no chip hole.
- Techniquement, il n'y a pas de puce.
- Teknik açıdan çip deliği bulunmamaktadır.



### Zubehör / Accessories / Accessoires / Yedekler



DIN ISO  
10897  
Spannzangen OZ  
Collets OZ  
Pincas de serrage OZ  
Pens OZ  
10.08 - 10.10



DIN ISO  
10897  
Spannmutter OZ  
Clamping nuts OZ  
Écrou de serrage OZ  
Pens kapağı OZ  
10.24 + 10.26



DIN 1810 A  
Hakenschlüssel  
Wrench  
Clé à ergot  
E tipi ay anahtar  
10.46

## Spannfuttersatz im Koffer

### Collet chuck set in box

### Mandrin á pincas pour pincas (set) dans coffre

### Pens başlığı seti plastik kutuda

JIS B  
6339  
(MAS 403 BT)

AD/B

DIN ISO  
15488

HRC  
58±2



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | SK    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | Spannzangen Durchmesser<br>Collet Diameter<br>Pincas Diamètre<br>Pens Çapı | Spannzangen Stk.<br>Collet Pcs.<br>Pincas<br>Pens Adedi | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------|------|------|
| <b>new</b> 406.62.16.60                              | BT 40 | AD/B | ER25 (2 - 16)                                    | 3-4-5-6-7-8-9-10-11-12-14-16                                               | 15                                                      | 2,61 |      |
| <b>new</b> 406.62.20.70                              | BT 40 | AD/B | ER32 (2 - 20)                                    | 4-5-6-7-8-9-10-11-12-13-14-15-16-18-20                                     | 16                                                      | 4,50 |      |
| <b>new</b> 406.62.26.80                              | BT 40 | AD/B | ER40 (3 - 26)                                    | 4-5-6-7-8-9-10-12-14-16-18-20-22-24-25-26                                  | 16                                                      | 6,91 |      |
| <b>new</b> 506.62.20.70                              | BT 50 | AD/B | ER32 (2 - 20)                                    | 4-5-6-7-8-9-10-11-12-13-14-15-16-18-20                                     | 15                                                      | 8,09 |      |
| <b>new</b> 506.62.26.80                              | BT 50 | AD/B | ER40 (3 - 26)                                    | 4-5-6-7-8-9-10-12-14-16-18-20-22-24-25-26                                  | 16                                                      | 9,56 |      |

Lieferumfang : Spannfutter, inkl. Spannzangen mit Schlüssel  
Included : Collet chuck with collets and wrench  
Inclus : Mandrin avec pincas et clé  
Teslim Şekli : Tutucu, pensleri ve anahtarıyla birlikte

### Zubehör / Accessories / Accessoires / Yedekler



DIN ISO  
15488  
Spannzangen System ER  
Collets System ER  
Pincas de serrage System ER  
Pens ER  
10.11 - 10.18



DIN ISO  
15488  
Spannmutter ER  
Clamping nuts ER  
Écrou de serrage ER  
Pens kapağı ER  
10.25 - 10.26



Spannschlüssel für ER  
Wrench ER  
Clé de serrage ER  
Anahtar ER  
10.48





## Ausrichtbares Werkzeugspannfutter, radial und axial einstellbar

Adjustable toolholder, adjustable radial and axial

Mandrin à tige de réglage, réglage radial et axial

Hassas ayarlanabilir pens tutucular, eksenel ve radyal yönde

JIS B  
6339  
(MAS 403 BT)

AD/B

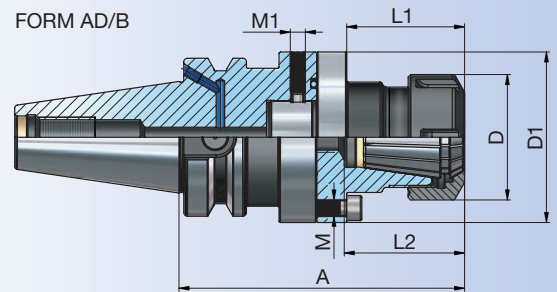
DIN ISO  
15488

HRC  
58±2



### Micro-mec ARF-Plus Ausrichtfutter

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | D  | A   | L1 | L2 | D1 | M  | M1 | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|----|-----|----|----|----|----|----|------|------|
| 406.02.20.114.ARF-P                                  | BT 40 | AD/B | ER32 (2 - 20)                                    | 50 | 114 | 47 | 48 | 68 | M6 | M6 | 2,12 |      |
| 506.02.20.124.ARF-P                                  | BT 50 | AD/B | ER32 (2 - 20)                                    | 50 | 124 | 47 | 48 | 68 | M6 | M6 | 4,94 |      |



### Zubehör / Accessories / Accessoires / Yedekler



Spannzangen System ER  
Collets System ER  
Pinces de serrage System ER  
Pens ER



Spannmutter ER  
Clamping nuts ER  
Écrou de serrage ER  
Pens kapağı ER



Anzugschraube  
Bolt  
Trette  
Civata



Einstellschraube  
Adjusting screw  
Vis de réglage  
Ayar civatası



Spannschlüssel für ER  
Wrench ER  
Clé de serrage ER  
Anahtar ER



11.04

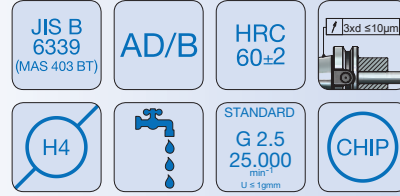


## Präzisionskraftspannfutter

### Precision milling chuck

### Mandrin de fraisage de précision

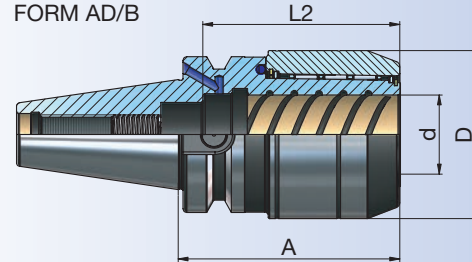
### Bilyalı pens tutucu



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | d  | A   | D  | L2  | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|----|-----|----|-----|------|------|
| <b>new</b> 406.03.20.75.N                            | BT 40 | AD/B | EKS 20 (6 - 20)                                  | 20 | 75  | 48 | 80  | 1,42 |      |
| <b>new</b> 406.03.20.130.N                           | BT 40 | AD/B | EKS 20 (6 - 20)                                  | 20 | 130 | 48 | 80  | 2,13 |      |
| <b>new</b> 406.03.20.160.N                           | BT 40 | AD/B | EKS 20 (6 - 20)                                  | 20 | 160 | 48 | 80  | 2,53 |      |
| <b>new</b> 406.03.20.200.N                           | BT 40 | AD/B | EKS 20 (6 - 20)                                  | 20 | 200 | 48 | 80  | 3,04 |      |
| <b>new</b> 406.03.25.90.N                            | BT 40 | AD/B | EKS 25 (6 - 25)                                  | 25 | 90  | 55 | 80  | 2,40 |      |
| <b>new</b> 406.03.32.90.N                            | BT 40 | AD/B | EKS 32 (6 - 32)                                  | 32 | 90  | 68 | 80  | 2,01 |      |
| <b>new</b> 406.03.32.130.N                           | BT 40 | AD/B | EKS 32 (6 - 32)                                  | 32 | 130 | 68 | 80  | 3,10 |      |
| <b>new</b> 406.03.32.160.N                           | BT 40 | AD/B | EKS 32 (6 - 32)                                  | 32 | 160 | 68 | 80  | 3,93 |      |
| <b>new</b> 406.03.32.200.N                           | BT 40 | AD/B | EKS 32 (6 - 32)                                  | 32 | 200 | 68 | 80  | 4,63 |      |
|                                                      |       |      |                                                  |    |     |    |     |      |      |
| <b>new</b> 506.03.20.90.N                            | BT 50 | AD/B | EKS 20 (6 - 20)                                  | 20 | 90  | 48 | 80  | 4,24 |      |
| <b>new</b> 506.03.20.130.N                           | BT 50 | AD/B | EKS 20 (6 - 20)                                  | 20 | 130 | 48 | 135 | 4,52 |      |
| <b>new</b> 506.03.20.160.N                           | BT 50 | AD/B | EKS 20 (6 - 20)                                  | 20 | 160 | 48 | 100 | 5,38 |      |
| <b>new</b> 506.03.20.200.N                           | BT 50 | AD/B | EKS 20 (6 - 20)                                  | 20 | 200 | 48 | 100 | 5,77 |      |
| <b>new</b> 506.03.32.95.N                            | BT 50 | AD/B | EKS 32 (6 - 32)                                  | 32 | 95  | 68 | 80  | 4,51 |      |
| <b>new</b> 506.03.32.130.N                           | BT 50 | AD/B | EKS 32 (6 - 32)                                  | 32 | 130 | 68 | 80  | 5,37 |      |
| <b>new</b> 506.03.32.160.N                           | BT 50 | AD/B | EKS 32 (6 - 32)                                  | 32 | 160 | 68 | 80  | 6,00 |      |
| <b>new</b> 506.03.32.200.N                           | BT 50 | AD/B | EKS 32 (6 - 32)                                  | 32 | 200 | 68 | 80  | 7,20 |      |

FORM AD/B



- Technisch gibt es keinen Chip.
- Technically there is no chip hole.
- Techniquement, il n'y a pas de puce.
- Teknik açıdan çip deliği bulunmamaktadır.

### Zubehör / Accessories / Accessoires / Yedekler



Spannzangen  
Collets  
Pincas de serrage  
Pens



Rollenschlüssel für Spannmutter  
Roller Bearing Wrenches  
Cles à rouleaux  
Bilyalı Kapak Sıkma Anahtarı



i

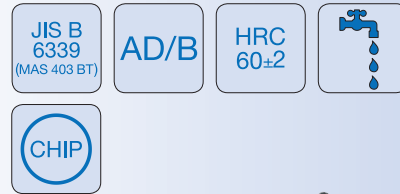
11.02

## Präzisionskraftspannfuttersatz im Koffer

### Precision milling chuck set in box

### Mandrin de fraisage de précision dans le box

### Bilyalı pens tutucu seti plastik kutuda



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | Spannzangen Durchmesser<br>Collet Diameter<br>Pincas Diamètre<br>Pens Çapı | Spannzangen Stk.<br>Collet Pcs.<br>Pincas<br>Pens Adedi | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------|------|------|
| <b>new</b> 406.63.20.75.N                            | BT 40 | AD/B | EKS 20 (6 - 20)                                  | 6-8-10-12-16                                                               | 5                                                       | 3,15 |      |
| <b>new</b> 406.63.32.90.N                            | BT 40 | AD/B | EKS 32 (6 - 32)                                  | 6-8-10-12-16-20-25                                                         | 7                                                       | 5,55 |      |
|                                                      |       |      |                                                  |                                                                            |                                                         |      |      |
| <b>new</b> 506.63.20.90.N                            | BT 50 | AD/B | EKS 20 (6 - 20)                                  | 6-8-10-12-16                                                               | 5                                                       | 7,61 |      |
| <b>new</b> 506.63.32.95.N                            | BT 50 | AD/B | EKS 32 (6 - 32)                                  | 6-8-10-12-16-20-25                                                         | 7                                                       | 9,09 |      |



### Zubehör / Accessories / Accessoires / Yedekler



Spannzangen  
Collets  
Pincas de serrage  
Pens



Rollenschlüssel für Spannmutter  
Roller Bearing Wrenches  
Cles à rouleaux  
Bilyalı Kapak Sıkma Anahtarı



i

11.02

- Lieferumfang : Spannfutter, inkl. Spannzangen mit Schlüssel  
Included : Collet chuck with collets and wrench  
Inclus : Mandrin avec pincas et clé  
Teslim Şekli : Tutucu, pensleri ve anahtarıyla birlikte



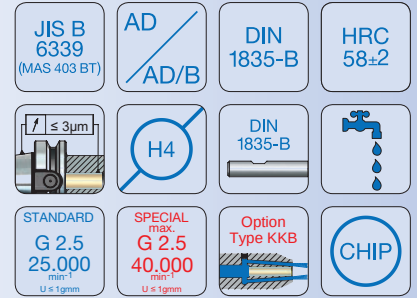


## Fräseraufnahmen

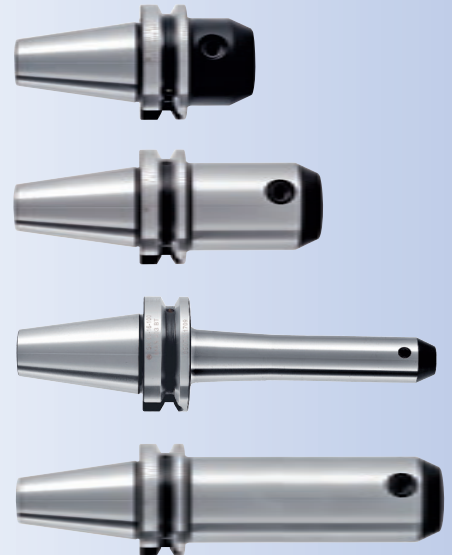
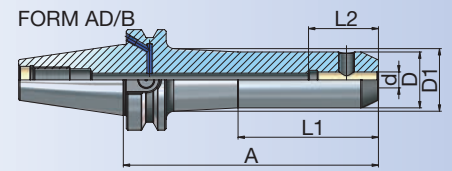
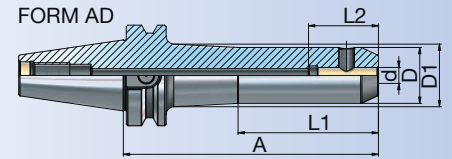
End mill holder

Porte-fraises

Veldon tutucu



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|------|------|
| 305.04.06.50                                         | BT 30 | AD   | 6  | 50  | 25 | -    | -   | 36 | 0,46 |      |
| 305.04.08.50                                         | BT 30 | AD   | 8  | 50  | 28 | -    | -   | 40 | 0,49 |      |
| 305.04.10.50                                         | BT 30 | AD   | 10 | 50  | 35 | -    | -   | 44 | 0,54 |      |
| 305.04.12.50                                         | BT 30 | AD   | 12 | 50  | 42 | -    | -   | 51 | 0,60 |      |
| 305.04.14.50                                         | BT 30 | AD   | 14 | 50  | 44 | -    | -   | 51 | 0,61 |      |
| 305.04.16.63                                         | BT 30 | AD   | 16 | 63  | 48 | -    | -   | 54 | 0,81 |      |
| 305.04.18.63                                         | BT 30 | AD   | 18 | 63  | 50 | -    | -   | 54 | 0,82 |      |
| •305.04.20.63                                        | BT 30 | AD   | 20 | 63  | 52 | -    | -   | 56 | 0,81 |      |
| 405.04.06.50                                         | BT 40 | AD   | 6  | 50  | 25 | -    | -   | 36 | 1,03 |      |
| 406.04.06.50                                         | BT 40 | AD/B | 6  | 50  | 25 | -    | -   | 36 | 1,03 |      |
| 405.04.06.100                                        | BT 40 | AD   | 6  | 100 | 25 | -    | -   | 36 | 1,20 |      |
| 406.04.06.100                                        | BT 40 | AD/B | 6  | 100 | 25 | -    | -   | 36 | 1,20 |      |
| 405.04.06.130                                        | BT 40 | AD   | 6  | 130 | 25 | -    | -   | 36 | 1,31 |      |
| 406.04.06.130                                        | BT 40 | AD/B | 6  | 130 | 25 | -    | -   | 36 | 1,30 |      |
| 405.04.06.160                                        | BT 40 | AD   | 6  | 160 | 25 | 29,5 | 88  | 36 | 1,44 |      |
| 406.04.06.160                                        | BT 40 | AD/B | 6  | 160 | 25 | 29,5 | 88  | 36 | 1,44 |      |
| 406.04.06.200                                        | BT 40 | AD/B | 6  | 200 | 25 | 30   | 120 | 36 | 1,60 |      |
| 405.04.08.50                                         | BT 40 | AD   | 8  | 50  | 28 | -    | -   | 40 | 1,05 |      |
| 406.04.08.50                                         | BT 40 | AD/B | 8  | 50  | 28 | -    | -   | 40 | 1,05 |      |
| 405.04.08.100                                        | BT 40 | AD   | 8  | 100 | 28 | -    | -   | 40 | 1,27 |      |
| 406.04.08.100                                        | BT 40 | AD/B | 8  | 100 | 28 | -    | -   | 40 | 1,27 |      |
| 405.04.08.130                                        | BT 40 | AD   | 8  | 130 | 28 | -    | -   | 40 | 1,41 |      |
| 406.04.08.130                                        | BT 40 | AD/B | 8  | 130 | 28 | -    | -   | 40 | 1,40 |      |
| 405.04.08.160                                        | BT 40 | AD   | 8  | 160 | 28 | 32,5 | 88  | 40 | 1,58 |      |
| 406.04.08.160                                        | BT 40 | AD/B | 8  | 160 | 28 | 32,5 | 88  | 40 | 1,57 |      |
| 406.04.08.200                                        | BT 40 | AD/B | 8  | 200 | 28 | 33   | 120 | 40 | 1,77 |      |



- Technisch gibt es keinen Chip.
- Technically there is no chip hole.
- Techniquement, il n'y a pas de puce.
- Teknik açıdan çip deliği bulunmamaktadır.

## Zubehör / Accessories / Accessoires / Yedekler



Spannschrauben  
Clamping screw  
Vis de serrage  
Sıkma civatası

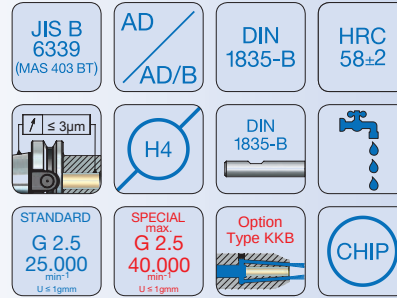


## Fräseraufnahmen

### End mill holder

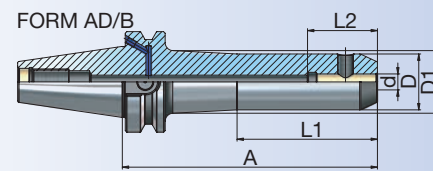
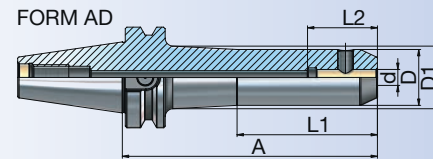
### Porte-fraises

### Veldon tutucu



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|------|------|
| 405.04.10.63                                         | BT 40 | AD   | 10 | 63  | 35 | -    | -   | 44 | 1,17 |      |
| 406.04.10.63                                         | BT 40 | AD/B | 10 | 63  | 35 | -    | -   | 44 | 1,17 |      |
| 405.04.10.100                                        | BT 40 | AD   | 10 | 100 | 35 | -    | -   | 44 | 1,42 |      |
| 406.04.10.100                                        | BT 40 | AD/B | 10 | 100 | 35 | -    | -   | 44 | 1,41 |      |
| 405.04.10.130                                        | BT 40 | AD   | 10 | 130 | 35 | -    | -   | 44 | 1,62 |      |
| 406.04.10.130                                        | BT 40 | AD/B | 10 | 130 | 35 | -    | -   | 44 | 1,61 |      |
| 405.04.10.160                                        | BT 40 | AD   | 10 | 160 | 35 | 39,5 | 88  | 44 | 1,86 |      |
| 406.04.10.160                                        | BT 40 | AD/B | 10 | 160 | 35 | 39,5 | 88  | 44 | 1,86 |      |
| 406.04.10.200                                        | BT 40 | AD/B | 10 | 200 | 35 | 40,5 | 120 | 44 | 2,14 |      |
| 405.04.12.63                                         | BT 40 | AD   | 12 | 63  | 42 | -    | -   | 51 | 1,26 |      |
| 406.04.12.63                                         | BT 40 | AD/B | 12 | 63  | 42 | -    | -   | 51 | 1,26 |      |
| 405.04.12.100                                        | BT 40 | AD   | 12 | 100 | 42 | -    | -   | 51 | 1,63 |      |
| 406.04.12.100                                        | BT 40 | AD/B | 12 | 100 | 42 | -    | -   | 51 | 1,62 |      |
| 405.04.12.130                                        | BT 40 | AD   | 12 | 130 | 42 | -    | -   | 51 | 1,93 |      |
| 406.04.12.130                                        | BT 40 | AD/B | 12 | 130 | 42 | -    | -   | 51 | 1,92 |      |
| 405.04.12.160                                        | BT 40 | AD   | 12 | 160 | 42 | 46,5 | 88  | 51 | 2,28 |      |
| 406.04.12.160                                        | BT 40 | AD/B | 12 | 160 | 42 | 46,5 | 88  | 51 | 2,28 |      |
| 406.04.12.200                                        | BT 40 | AD/B | 12 | 200 | 42 | 47,5 | 120 | 51 | 2,70 |      |
| 405.04.14.63                                         | BT 40 | AD   | 14 | 63  | 44 | -    | -   | 51 | 1,28 |      |
| 406.04.14.63                                         | BT 40 | AD/B | 14 | 63  | 44 | -    | -   | 51 | 1,28 |      |
| 405.04.14.100                                        | BT 40 | AD   | 14 | 100 | 44 | -    | -   | 51 | 1,69 |      |
| 406.04.14.100                                        | BT 40 | AD/B | 14 | 100 | 44 | -    | -   | 51 | 1,68 |      |
| 405.04.14.130                                        | BT 40 | AD   | 14 | 130 | 44 | -    | -   | 51 | 2,02 |      |
| 406.04.14.130                                        | BT 40 | AD/B | 14 | 130 | 44 | -    | -   | 51 | 2,01 |      |
| 405.04.14.160                                        | BT 40 | AD   | 14 | 160 | 44 | 48,5 | 88  | 51 | 2,40 |      |
| 406.04.14.160                                        | BT 40 | AD/B | 14 | 160 | 44 | 48,5 | 88  | 51 | 2,40 |      |
| 406.04.14.200                                        | BT 40 | AD/B | 14 | 200 | 44 | 49,5 | 120 | 51 | 2,86 |      |



## Zubehör / Accessories / Accessoires / Yedekler



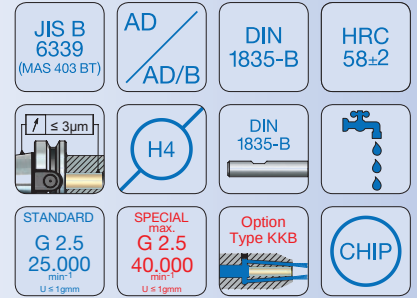


## Fräseraufnahmen

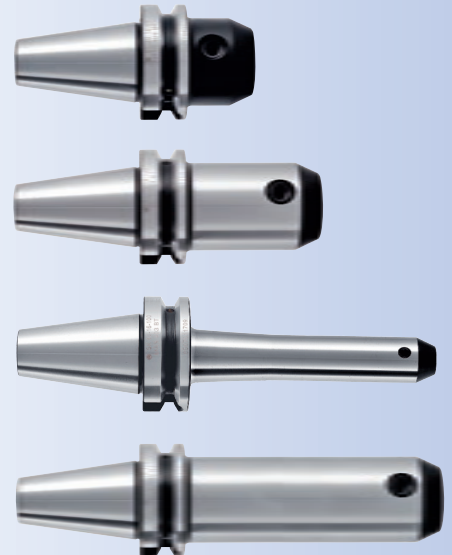
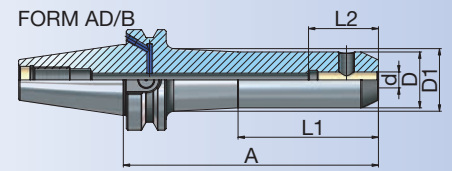
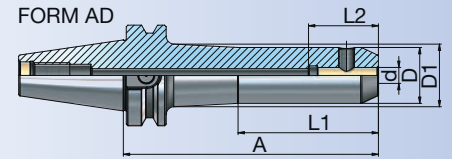
### End mill holder

### Porte-fraises

### Veldon tutucu



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|------|------|
| •405.04.16.35                                        | BT 40 | AD   | 16 | 35  | 45 | -    | -   | 54 | 0,97 |      |
| 405.04.16.63                                         | BT 40 | AD   | 16 | 63  | 48 | -    | -   | 54 | 1,34 |      |
| 406.04.16.63                                         | BT 40 | AD/B | 16 | 63  | 48 | -    | -   | 54 | 1,33 |      |
| 405.04.16.100                                        | BT 40 | AD   | 16 | 100 | 48 | -    | -   | 54 | 1,82 |      |
| 406.04.16.100                                        | BT 40 | AD/B | 16 | 100 | 48 | -    | -   | 54 | 1,82 |      |
| 405.04.16.130                                        | BT 40 | AD   | 16 | 130 | 48 | -    | -   | 54 | 2,23 |      |
| 406.04.16.130                                        | BT 40 | AD/B | 16 | 130 | 48 | -    | -   | 54 | 2,22 |      |
| 405.04.16.160                                        | BT 40 | AD   | 16 | 160 | 48 | 52,5 | 88  | 54 | 2,68 |      |
| 406.04.16.160                                        | BT 40 | AD/B | 16 | 160 | 48 | 52,5 | 88  | 54 | 2,68 |      |
| 406.04.16.200                                        | BT 40 | AD/B | 16 | 200 | 48 | 53,5 | 120 | 54 | 3,23 |      |
| 405.04.18.63                                         | BT 40 | AD   | 18 | 63  | 50 | -    | -   | 54 | 1,35 |      |
| 406.04.18.63                                         | BT 40 | AD/B | 18 | 63  | 50 | -    | -   | 54 | 1,35 |      |
| 405.04.18.100                                        | BT 40 | AD   | 18 | 100 | 50 | -    | -   | 54 | 1,89 |      |
| 406.04.18.100                                        | BT 40 | AD/B | 18 | 100 | 50 | -    | -   | 54 | 1,88 |      |
| 405.04.18.130                                        | BT 40 | AD   | 18 | 130 | 50 | -    | -   | 54 | 2,32 |      |
| 406.04.18.130                                        | BT 40 | AD/B | 18 | 130 | 50 | -    | -   | 54 | 2,31 |      |
| 405.04.18.160                                        | BT 40 | AD   | 18 | 160 | 50 | 54,5 | 88  | 54 | 2,82 |      |
| 406.04.18.160                                        | BT 40 | AD/B | 18 | 160 | 50 | 54,5 | 88  | 54 | 2,81 |      |
| 406.04.18.200                                        | BT 40 | AD/B | 18 | 200 | 50 | 55,5 | 120 | 54 | 3,42 |      |
| •405.04.20.35                                        | BT 40 | AD   | 20 | 35  | 45 | -    | -   | 56 | 0,92 |      |
| 405.04.20.63                                         | BT 40 | AD   | 20 | 63  | 52 | -    | -   | 56 | 1,36 |      |
| 406.04.20.63                                         | BT 40 | AD/B | 20 | 63  | 52 | -    | -   | 56 | 1,36 |      |
| 405.04.20.100                                        | BT 40 | AD   | 20 | 100 | 52 | -    | -   | 56 | 1,94 |      |
| 406.04.20.100                                        | BT 40 | AD/B | 20 | 100 | 52 | -    | -   | 56 | 1,94 |      |
| 405.04.20.130                                        | BT 40 | AD   | 20 | 130 | 52 | -    | -   | 56 | 2,41 |      |
| 406.04.20.130                                        | BT 40 | AD/B | 20 | 130 | 52 | -    | -   | 56 | 2,41 |      |
| 405.04.20.160                                        | BT 40 | AD   | 20 | 160 | 52 | 57   | 88  | 56 | 2,95 |      |
| 406.04.20.160                                        | BT 40 | AD/B | 20 | 160 | 52 | 57   | 88  | 56 | 2,95 |      |
| 406.04.20.200                                        | BT 40 | AD/B | 20 | 200 | 52 | 57,5 | 120 | 56 | 3,60 |      |



- Technisch gibt es keinen Chip.
- Technically there is no chip hole.
- Techniquement, il n'y a pas de puce.
- Teknik açıdan çip deliği bulunmamaktadır.

## Zubehör / Accessories / Accessoires / Yedekler



Spannschrauben  
Clamping screw  
Vis de serrage  
Sıkma civatası



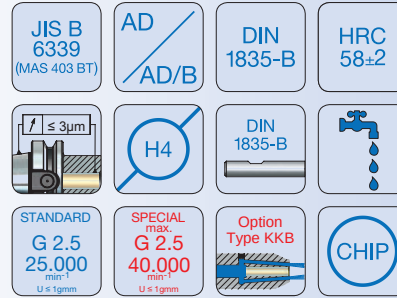
11.05

## Fräseraufnahmen

### End mill holder

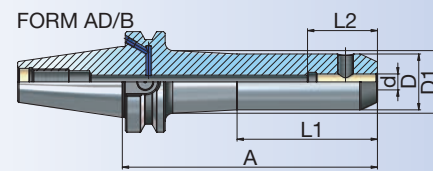
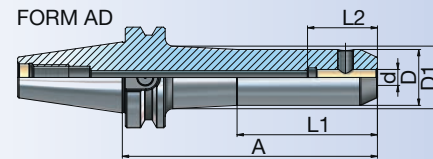
### Porte-fraises

### Veldon tutucu



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1 | L1 | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|----|----|----|------|------|
| •405.04.25.35                                        | BT 40 | AD   | 25 | 35  | 45 | -  | -  | 64 | 0,84 |      |
| 405.04.25.90                                         | BT 40 | AD   | 25 | 90  | 63 | -  | -  | 64 | 2,12 |      |
| 406.04.25.90                                         | BT 40 | AD/B | 25 | 90  | 63 | -  | -  | 64 | 2,11 |      |
| 405.04.25.130                                        | BT 40 | AD   | 25 | 130 | 63 | -  | -  | 64 | 3,06 |      |
| 406.04.25.130                                        | BT 40 | AD/B | 25 | 130 | 63 | -  | -  | 64 | 3,05 |      |
| 405.04.25.160                                        | BT 40 | AD   | 25 | 160 | 63 | -  | -  | 64 | 3,76 |      |
| 406.04.25.160                                        | BT 40 | AD/B | 25 | 160 | 63 | -  | -  | 64 | 3,75 |      |
| 406.04.25.200                                        | BT 40 | AD/B | 25 | 200 | 63 | -  | -  | 64 | 4,69 |      |
| •405.04.32.65                                        | BT 40 | AD   | 32 | 65  | 62 | -  | -  | 68 | 1,41 |      |
| 405.04.32.100                                        | BT 40 | AD   | 32 | 100 | 72 | -  | -  | 68 | 2,65 |      |
| 406.04.32.100                                        | BT 40 | AD/B | 32 | 100 | 72 | -  | -  | 68 | 2,64 |      |
| 405.04.32.130                                        | BT 40 | AD   | 32 | 130 | 72 | -  | -  | 68 | 3,56 |      |
| 406.04.32.130                                        | BT 40 | AD/B | 32 | 130 | 72 | -  | -  | 68 | 3,55 |      |
| 405.04.32.160                                        | BT 40 | AD   | 32 | 160 | 72 | -  | -  | 68 | 4,48 |      |
| 406.04.32.160                                        | BT 40 | AD/B | 32 | 160 | 72 | -  | -  | 68 | 4,48 |      |
| 405.04.40.120                                        | BT 40 | AD   | 40 | 120 | 80 | -  | -  | 78 | 3,49 |      |
| 406.04.40.120                                        | BT 40 | AD/B | 40 | 120 | 80 | -  | -  | 78 | 3,48 |      |



- Technisch gibt es keinen Chip.
- Technically there is no chip hole.
- Techniquement, il n'y a pas de puce.
- Teknik açıdan çip deliği bulunmamaktadır.

## Zubehör / Accessories / Accessoires / Yedekler



Spannschrauben  
Clamping screw  
Vis de serrage  
Sıkma civatası



11.05

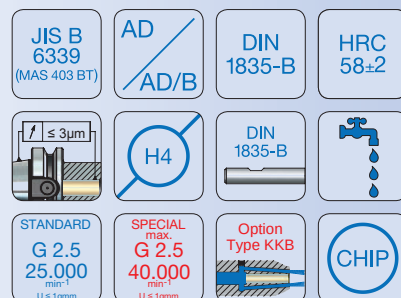


## Fräseraufnahmen

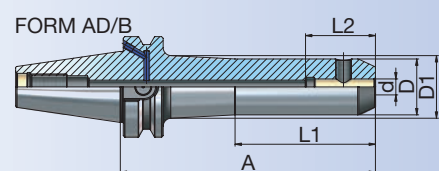
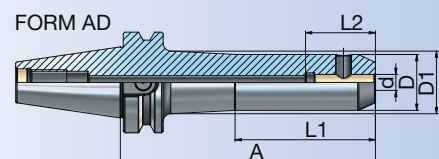
End mill holder

Porte-fraises

Veldon tutucu



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|------|------|
| 505.04.06.63                                         | BT 50 | AD   | 6  | 63  | 25 | -    | -   | 36 | 3,70 |      |
| 506.04.06.63                                         | BT 50 | AD/B | 6  | 63  | 25 | -    | -   | 36 | 3,69 |      |
| 505.04.06.100                                        | BT 50 | AD   | 6  | 100 | 25 | -    | -   | 36 | 3,83 |      |
| 506.04.06.100                                        | BT 50 | AD/B | 6  | 100 | 25 | -    | -   | 36 | 3,81 |      |
| 505.04.06.130                                        | BT 50 | AD   | 6  | 130 | 25 | -    | -   | 36 | 3,93 |      |
| 506.04.06.130                                        | BT 50 | AD/B | 6  | 130 | 25 | -    | -   | 36 | 3,91 |      |
| 505.04.06.160                                        | BT 50 | AD   | 6  | 160 | 25 | 28,5 | 88  | 36 | 4,05 |      |
| 506.04.06.160                                        | BT 50 | AD/B | 6  | 160 | 25 | 28,5 | 88  | 36 | 4,04 |      |
| 506.04.06.200                                        | BT 50 | AD/B | 6  | 200 | 25 | 28,5 | 120 | 36 | 4,19 |      |
| 505.04.08.63                                         | BT 50 | AD   | 8  | 63  | 28 | -    | -   | 40 | 3,72 |      |
| 506.04.08.63                                         | BT 50 | AD/B | 8  | 63  | 28 | -    | -   | 40 | 3,71 |      |
| 505.04.08.100                                        | BT 50 | AD   | 8  | 100 | 28 | -    | -   | 40 | 3,88 |      |
| 506.04.08.100                                        | BT 50 | AD/B | 8  | 100 | 28 | -    | -   | 40 | 3,87 |      |
| 505.04.08.130                                        | BT 50 | AD   | 8  | 130 | 28 | -    | -   | 40 | 4,02 |      |
| 506.04.08.130                                        | BT 50 | AD/B | 8  | 130 | 28 | -    | -   | 40 | 4,00 |      |
| 505.04.08.160                                        | BT 50 | AD   | 8  | 160 | 28 | 31,5 | 88  | 40 | 4,17 |      |
| 506.04.08.160                                        | BT 50 | AD/B | 8  | 160 | 28 | 31,5 | 88  | 40 | 4,15 |      |
| 506.04.08.200                                        | BT 50 | AD/B | 8  | 200 | 28 | 31,5 | 120 | 40 | 4,35 |      |
| 505.04.10.63                                         | BT 50 | AD   | 10 | 63  | 35 | -    | -   | 44 | 3,74 |      |
| 506.04.10.63                                         | BT 50 | AD/B | 10 | 63  | 35 | -    | -   | 44 | 3,73 |      |
| 505.04.10.100                                        | BT 50 | AD   | 10 | 100 | 35 | -    | -   | 44 | 3,99 |      |
| 506.04.10.100                                        | BT 50 | AD/B | 10 | 100 | 35 | -    | -   | 44 | 3,97 |      |
| 505.04.10.130                                        | BT 50 | AD   | 10 | 130 | 35 | -    | -   | 44 | 4,19 |      |
| 506.04.10.130                                        | BT 50 | AD/B | 10 | 130 | 35 | -    | -   | 44 | 4,18 |      |
| 505.04.10.160                                        | BT 50 | AD   | 10 | 160 | 35 | 38,5 | 88  | 44 | 4,42 |      |
| 506.04.10.160                                        | BT 50 | AD/B | 10 | 160 | 35 | 38,5 | 88  | 44 | 4,40 |      |
| 506.04.10.200                                        | BT 50 | AD/B | 10 | 200 | 35 | 38,5 | 120 | 44 | 4,70 |      |



## Zubehör / Accessories / Accessoires / Yedekler



Spannschrauben  
Clamping screw  
Vis de serrage  
Sıkma civatası



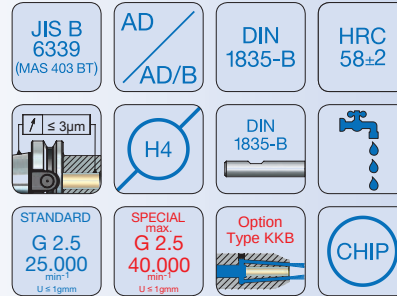


## Fräseraufnahmen

End mill holder

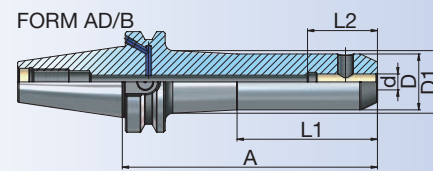
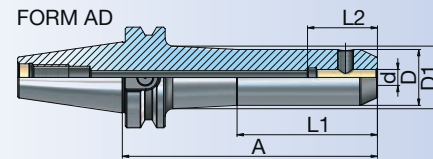
Porte-fraises

Veldon tutucu



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|------|------|
| 505.04.12.80                                         | BT 50 | AD   | 12 | 80  | 42 | -    | -   | 51 | 3,97 |      |
| 506.04.12.80                                         | BT 50 | AD/B | 12 | 80  | 42 | -    | -   | 51 | 3,95 |      |
| 505.04.12.100                                        | BT 50 | AD   | 12 | 100 | 42 | -    | -   | 51 | 4,17 |      |
| 506.04.12.100                                        | BT 50 | AD/B | 12 | 100 | 42 | -    | -   | 51 | 4,15 |      |
| 505.04.12.130                                        | BT 50 | AD   | 12 | 130 | 42 | -    | -   | 51 | 4,47 |      |
| 506.04.12.130                                        | BT 50 | AD/B | 12 | 130 | 42 | -    | -   | 51 | 4,47 |      |
| 505.04.12.160                                        | BT 50 | AD   | 12 | 160 | 42 | 45,5 | 88  | 51 | 4,80 |      |
| 506.04.12.160                                        | BT 50 | AD/B | 12 | 160 | 42 | 45,5 | 88  | 51 | 4,78 |      |
| 506.04.12.200                                        | BT 50 | AD/B | 12 | 200 | 42 | 45,5 | 120 | 51 | 5,21 |      |
| 505.04.14.80                                         | BT 50 | AD   | 14 | 80  | 44 | -    | -   | 51 | 3,99 |      |
| 506.04.14.80                                         | BT 50 | AD/B | 14 | 80  | 44 | -    | -   | 51 | 3,98 |      |
| 505.04.14.100                                        | BT 50 | AD   | 14 | 100 | 44 | -    | -   | 51 | 4,21 |      |
| 506.04.14.100                                        | BT 50 | AD/B | 14 | 100 | 44 | -    | -   | 51 | 4,20 |      |
| 505.04.14.130                                        | BT 50 | AD   | 14 | 130 | 44 | -    | -   | 51 | 4,55 |      |
| 506.04.14.130                                        | BT 50 | AD/B | 14 | 130 | 44 | -    | -   | 51 | 4,54 |      |
| 505.04.14.160                                        | BT 50 | AD   | 14 | 160 | 44 | 47,5 | 88  | 51 | 4,91 |      |
| 506.04.14.160                                        | BT 50 | AD/B | 14 | 160 | 44 | 47,5 | 88  | 51 | 4,89 |      |
| 506.04.14.200                                        | BT 50 | AD/B | 14 | 200 | 44 | 47,5 | 120 | 51 | 5,36 |      |
| 505.04.16.80                                         | BT 50 | AD   | 16 | 80  | 48 | -    | -   | 54 | 4,06 |      |
| 506.04.16.80                                         | BT 50 | AD/B | 16 | 80  | 48 | -    | -   | 54 | 4,05 |      |
| 505.04.16.100                                        | BT 50 | AD   | 16 | 100 | 48 | -    | -   | 54 | 4,33 |      |
| 506.04.16.100                                        | BT 50 | AD/B | 16 | 100 | 48 | -    | -   | 54 | 4,31 |      |
| 505.04.16.130                                        | BT 50 | AD   | 16 | 130 | 48 | -    | -   | 54 | 4,73 |      |
| 506.04.16.130                                        | BT 50 | AD/B | 16 | 130 | 48 | -    | -   | 54 | 4,71 |      |
| 505.04.16.160                                        | BT 50 | AD   | 16 | 160 | 48 | 51,5 | 88  | 54 | 5,16 |      |
| 506.04.16.160                                        | BT 50 | AD/B | 16 | 160 | 48 | 51,5 | 88  | 54 | 5,14 |      |
| 506.04.16.200                                        | BT 50 | AD/B | 16 | 200 | 48 | 51,5 | 120 | 54 | 5,71 |      |



## Zubehör / Accessories / Accessoires / Yedekler



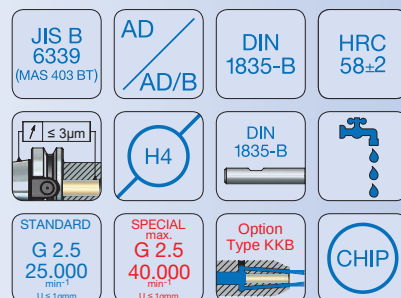


## Fräseraufnahmen

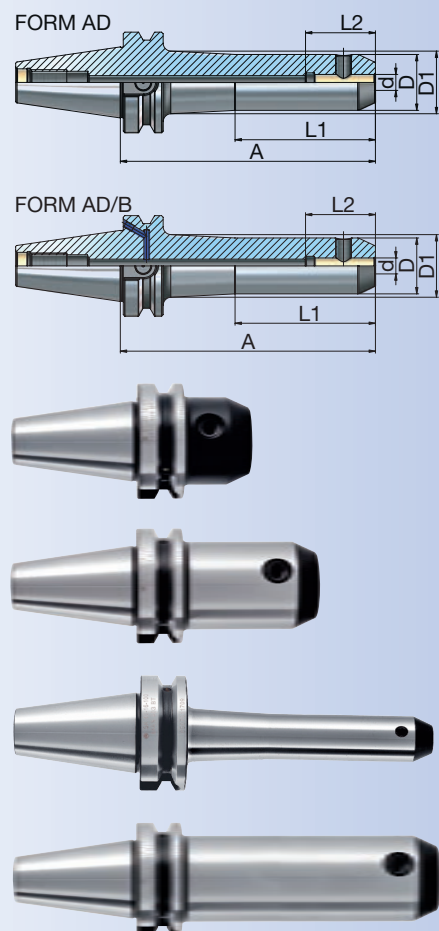
End mill holder

Porte-fraises

Veldon tutucu



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|------|------|
| 505.04.18.80                                         | BT 50 | AD   | 18 | 80  | 50 | -    | -   | 54 | 4,09 |      |
| 506.04.18.80                                         | BT 50 | AD/B | 18 | 80  | 50 | -    | -   | 54 | 4,07 |      |
| 505.04.18.100                                        | BT 50 | AD   | 18 | 100 | 50 | -    | -   | 54 | 4,38 |      |
| 506.04.18.100                                        | BT 50 | AD/B | 18 | 100 | 50 | -    | -   | 54 | 4,36 |      |
| 505.04.18.130                                        | BT 50 | AD   | 18 | 130 | 50 | -    | -   | 54 | 4,81 |      |
| 506.04.18.130                                        | BT 50 | AD/B | 18 | 130 | 50 | -    | -   | 54 | 4,79 |      |
| 505.04.18.160                                        | BT 50 | AD   | 18 | 160 | 50 | 53,5 | 88  | 54 | 5,28 |      |
| 506.04.18.160                                        | BT 50 | AD/B | 18 | 160 | 50 | 53,5 | 88  | 54 | 5,26 |      |
| 506.04.18.200                                        | BT 50 | AD/B | 18 | 200 | 50 | 53,5 | 120 | 54 | 5,88 |      |
| 505.04.20.80                                         | BT 50 | AD   | 20 | 80  | 52 | -    | -   | 56 | 4,10 |      |
| 506.04.20.80                                         | BT 50 | AD/B | 20 | 80  | 52 | -    | -   | 56 | 4,09 |      |
| 505.04.20.100                                        | BT 50 | AD   | 20 | 100 | 52 | -    | -   | 56 | 4,42 |      |
| 506.04.20.100                                        | BT 50 | AD/B | 20 | 100 | 52 | -    | -   | 56 | 4,40 |      |
| 505.04.20.130                                        | BT 50 | AD   | 20 | 130 | 52 | -    | -   | 56 | 4,89 |      |
| 506.04.20.130                                        | BT 50 | AD/B | 20 | 130 | 52 | -    | -   | 56 | 4,87 |      |
| 505.04.20.160                                        | BT 50 | AD   | 20 | 160 | 52 | 55,5 | 88  | 56 | 5,40 |      |
| 506.04.20.160                                        | BT 50 | AD/B | 20 | 160 | 52 | 55,5 | 88  | 56 | 5,38 |      |
| 506.04.20.200                                        | BT 50 | AD/B | 20 | 200 | 52 | 55,5 | 120 | 56 | 6,05 |      |
| 505.04.25.100                                        | BT 50 | AD   | 25 | 100 | 63 | -    | -   | 64 | 4,76 |      |
| 506.04.25.100                                        | BT 50 | AD/B | 25 | 100 | 63 | -    | -   | 64 | 4,74 |      |
| 505.04.25.120                                        | BT 50 | AD   | 25 | 120 | 63 | -    | -   | 64 | 5,23 |      |
| 506.04.25.120                                        | BT 50 | AD/B | 25 | 120 | 63 | -    | -   | 64 | 5,21 |      |
| 505.04.25.130                                        | BT 50 | AD   | 25 | 130 | 63 | -    | -   | 64 | 5,47 |      |
| 506.04.25.130                                        | BT 50 | AD/B | 25 | 130 | 63 | -    | -   | 64 | 5,45 |      |
| 505.04.25.160                                        | BT 50 | AD   | 25 | 160 | 63 | 66,5 | 88  | 64 | 6,22 |      |
| 506.04.25.160                                        | BT 50 | AD/B | 25 | 160 | 63 | 66,5 | 88  | 64 | 6,20 |      |



## Zubehör / Accessories / Accessoires / Yedekler



Spannschrauben  
Clamping screw  
Vis de serrage  
Sıkma civatası

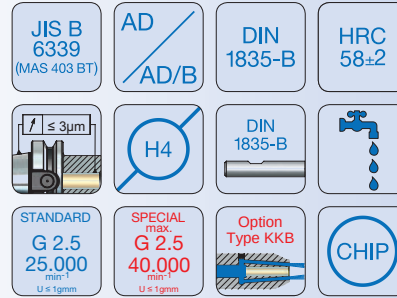


## Fräseraufnahmen

End mill holder

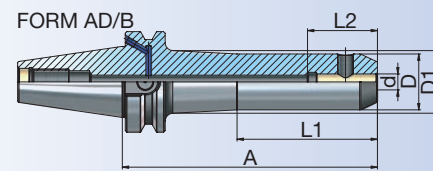
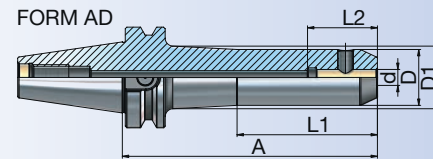
Porte-fraises

Veldon tutucu



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1 | L1 | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|----|----|----|------|------|
| 505.04.32.105                                        | BT 50 | AD   | 32 | 105 | 72 | -  | -  | 68 | 5,18 |      |
| 506.04.32.105                                        | BT 50 | AD/B | 32 | 105 | 72 | -  | -  | 68 | 5,17 |      |
| 505.04.32.130                                        | BT 50 | AD   | 32 | 130 | 72 | -  | -  | 68 | 5,96 |      |
| 506.04.32.130                                        | BT 50 | AD/B | 32 | 130 | 72 | -  | -  | 68 | 5,94 |      |
| 505.04.32.160                                        | BT 50 | AD   | 32 | 160 | 72 | -  | -  | 68 | 6,89 |      |
| 506.04.32.160                                        | BT 50 | AD/B | 32 | 160 | 72 | -  | -  | 68 | 6,87 |      |
| 505.04.40.110                                        | BT 50 | AD   | 40 | 110 | 80 | -  | -  | 78 | 5,49 |      |
| 506.04.40.110                                        | BT 50 | AD/B | 40 | 110 | 80 | -  | -  | 78 | 5,48 |      |
| 505.04.40.130                                        | BT 50 | AD   | 40 | 130 | 80 | -  | -  | 78 | 6,27 |      |
| 506.04.40.130                                        | BT 50 | AD/B | 40 | 130 | 80 | -  | -  | 78 | 6,26 |      |
| 505.04.40.160                                        | BT 50 | AD   | 40 | 160 | 80 | -  | -  | 78 | 7,42 |      |
| 506.04.40.160                                        | BT 50 | AD/B | 40 | 160 | 80 | -  | -  | 78 | 7,40 |      |



## Zubehör / Accessories / Accessoires / Yedekler

|            |                                                                      |       |
|------------|----------------------------------------------------------------------|-------|
| DIN 1835 B | Spannschrauben<br>Clamping screw<br>Vis de serrage<br>Sıkma civatası |       |
| 10.38      |                                                                      | 11.05 |

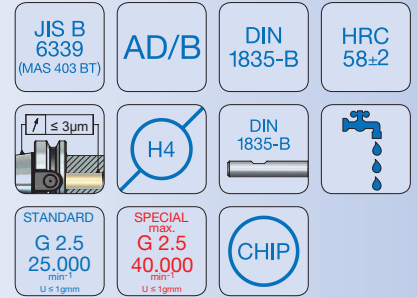


## Fräseraufnahmen mit Kühlkanal

End mill holder with coolant channel

Porte-fraises avec canal d'arrosage

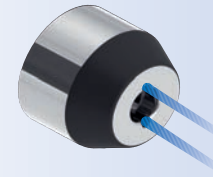
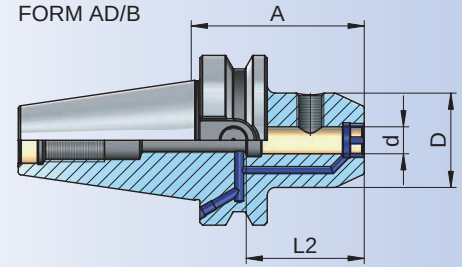
Veldon tutucu içten soğutma kanallı



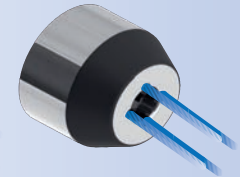
| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|----|------|------|
| 406.04.06.50.K                                       | BT 40 | AD/B | 6  | 50  | 25 | 36 | 1,03 |      |
| 406.04.06.100.K                                      | BT 40 | AD/B | 6  | 100 | 25 | 36 | 1,20 |      |
| 406.04.08.50.K                                       | BT 40 | AD/B | 8  | 50  | 28 | 40 | 1,05 |      |
| 406.04.08.100.K                                      | BT 40 | AD/B | 8  | 100 | 28 | 40 | 1,27 |      |
| 406.04.10.63.K                                       | BT 40 | AD/B | 10 | 63  | 35 | 44 | 1,16 |      |
| 406.04.10.100.K                                      | BT 40 | AD/B | 10 | 100 | 35 | 44 | 1,41 |      |
| 406.04.12.63.K                                       | BT 40 | AD/B | 12 | 63  | 42 | 51 | 1,25 |      |
| 406.04.12.100.K                                      | BT 40 | AD/B | 12 | 100 | 42 | 51 | 1,62 |      |
| 406.04.14.63.K                                       | BT 40 | AD/B | 14 | 63  | 44 | 51 | 1,27 |      |
| 406.04.14.100.K                                      | BT 40 | AD/B | 14 | 100 | 44 | 51 | 1,68 |      |
| 406.04.16.63.K                                       | BT 40 | AD/B | 16 | 63  | 48 | 54 | 1,32 |      |
| 406.04.16.100.K                                      | BT 40 | AD/B | 16 | 100 | 48 | 54 | 1,81 |      |
| 406.04.18.63.K                                       | BT 40 | AD/B | 18 | 63  | 50 | 54 | 1,34 |      |
| 406.04.18.100.K                                      | BT 40 | AD/B | 18 | 100 | 50 | 54 | 1,87 |      |
| • 406.04.20.63.K                                     | BT 40 | AD/B | 20 | 63  | 52 | 56 | 1,35 |      |
| 406.04.20.100.K                                      | BT 40 | AD/B | 20 | 100 | 52 | 56 | 1,92 |      |
| 406.04.25.90.K                                       | BT 40 | AD/B | 25 | 90  | 63 | 64 | 2,09 |      |
| 406.04.32.100.K                                      | BT 40 | AD/B | 32 | 100 | 72 | 68 | 2,62 |      |
| 406.04.40.120.K                                      | BT 40 | AD/B | 40 | 120 | 80 | 78 | 3,46 |      |

|                 |       |      |    |     |    |    |      |  |
|-----------------|-------|------|----|-----|----|----|------|--|
| 506.04.06.63.K  | BT 50 | AD/B | 6  | 63  | 25 | 36 | 3,68 |  |
| 506.04.08.63.K  | BT 50 | AD/B | 8  | 63  | 28 | 40 | 3,70 |  |
| 506.04.10.63.K  | BT 50 | AD/B | 10 | 63  | 35 | 44 | 3,72 |  |
| 506.04.12.80.K  | BT 50 | AD/B | 12 | 80  | 42 | 51 | 3,95 |  |
| 506.04.14.80.K  | BT 50 | AD/B | 14 | 80  | 44 | 51 | 3,97 |  |
| 506.04.16.80.K  | BT 50 | AD/B | 16 | 80  | 48 | 54 | 4,03 |  |
| 506.04.18.80.K  | BT 50 | AD/B | 18 | 80  | 50 | 54 | 4,06 |  |
| 506.04.20.80.K  | BT 50 | AD/B | 20 | 80  | 52 | 56 | 4,07 |  |
| 506.04.25.100.K | BT 50 | AD/B | 25 | 100 | 63 | 64 | 4,72 |  |
| 506.04.32.105.K | BT 50 | AD/B | 32 | 105 | 72 | 68 | 5,14 |  |
| 506.04.40.110.K | BT 50 | AD/B | 40 | 110 | 80 | 78 | 5,45 |  |

FORM AD/B



d  
6 - 18  
(2 Holes)  
(2 Delik)



d  
20 - 40  
(4 Holes)  
(4 Delik)

- Technisch gibt es keinen Chip.
- Technically there is no chip hole.
- Techniquement, il n'y a pas de puce.
- Teknik açıdan çip deliği bulunmamaktadır.

## Zubehör / Accessories / Accessoires / Yedekler



Spannschrauben  
Clamping screw  
Vis de serrage  
Sıkma civatası



11.05

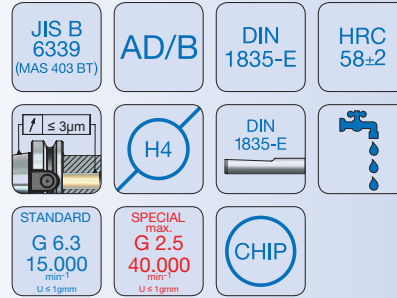
## Fräseraufnahmen 2° Whistle-Notch



End mill holder 2°

Porte-fraises 2°

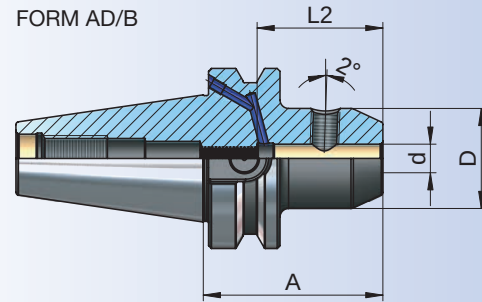
Veldon tutucu 2°



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|----|------|------|
| 406.05.06.50                                         | BT 40 | AD/B | 6  | 50  | 25 | 36 | 1,04 |      |
| 406.05.08.50                                         | BT 40 | AD/B | 8  | 50  | 28 | 40 | 1,06 |      |
| 406.05.10.63                                         | BT 40 | AD/B | 10 | 63  | 35 | 44 | 1,18 |      |
| 406.05.12.63                                         | BT 40 | AD/B | 12 | 63  | 42 | 51 | 1,27 |      |
| 406.05.14.63                                         | BT 40 | AD/B | 14 | 63  | 44 | 51 | 1,29 |      |
| 406.05.16.63                                         | BT 40 | AD/B | 16 | 63  | 48 | 54 | 1,35 |      |
| 406.05.18.63                                         | BT 40 | AD/B | 18 | 63  | 50 | 54 | 1,36 |      |
| 406.05.20.63                                         | BT 40 | AD/B | 20 | 63  | 52 | 56 | 1,37 |      |
| 406.05.25.90                                         | BT 40 | AD/B | 25 | 90  | 63 | 64 | 2,12 |      |
| 406.05.32.100                                        | BT 40 | AD/B | 32 | 100 | 72 | 68 | 2,65 |      |
| 406.05.40.120                                        | BT 40 | AD/B | 40 | 120 | 80 | 78 | 3,50 |      |
|                                                      |       |      |    |     |    |    |      |      |
| 506.05.06.63                                         | BT 50 | AD/B | 6  | 63  | 25 | 36 | 3,69 |      |
| 506.05.08.63                                         | BT 50 | AD/B | 8  | 63  | 28 | 40 | 3,71 |      |
| 506.05.10.63                                         | BT 50 | AD/B | 10 | 63  | 35 | 44 | 3,74 |      |
| 506.05.12.80                                         | BT 50 | AD/B | 12 | 80  | 42 | 51 | 3,97 |      |
| 506.05.14.80                                         | BT 50 | AD/B | 14 | 80  | 44 | 51 | 3,99 |      |
| 506.05.16.80                                         | BT 50 | AD/B | 16 | 80  | 48 | 54 | 4,06 |      |
| 506.05.18.80                                         | BT 50 | AD/B | 18 | 80  | 50 | 54 | 4,08 |      |
| 506.05.20.80                                         | BT 50 | AD/B | 20 | 80  | 52 | 56 | 4,10 |      |
| 506.05.25.100                                        | BT 50 | AD/B | 25 | 100 | 63 | 64 | 4,75 |      |
| 506.05.32.105                                        | BT 50 | AD/B | 32 | 105 | 72 | 68 | 5,18 |      |
| 506.05.40.110                                        | BT 50 | AD/B | 40 | 110 | 80 | 78 | 5,50 |      |

FORM AD/B



## Zubehör / Accessories / Accessoires / Yedekler



Spannschrauben  
Clamping screw  
Vis de serrage  
Sıkma civatası



Einstellschraube  
Adjusting screw  
Vis de réglage  
Dayama civatası

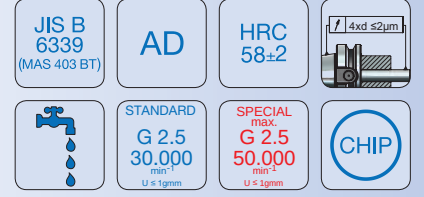


## Hochgenauigkeits-Spannzangenfutter

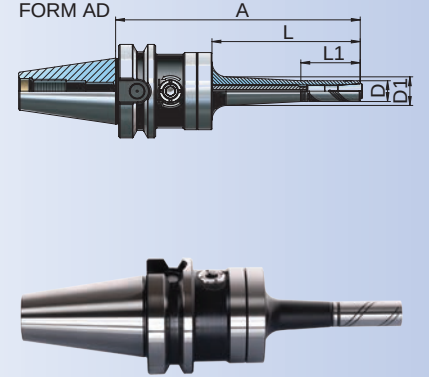
High precision pull type collet chuck

Mandrin de serrage de précision

Hassas çekmeli pens başlığı

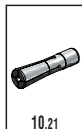


| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | A   | D  | D1   | L   | L1 | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|-----|----|------|-----|----|------|------|
| <b>new</b> 405.06.06.115                             | BT 40 | AD   | EPC (3-6)                                        | 115 | 14 | -    | 50  | -  | 1,59 |      |
| <b>new</b> 405.06.06.140                             | BT 40 | AD   | EPC (3-6)                                        | 140 | 14 | 16,7 | 75  | 40 | 1,64 |      |
| <b>new</b> 405.06.06.165                             | BT 40 | AD   | EPC (3-6)                                        | 165 | 14 | 19,3 | 100 | 40 | 1,69 |      |
| <b>new</b> 405.06.06.215                             | BT 40 | AD   | EPC (3-6)                                        | 215 | 14 | 24,8 | 150 | 40 | 1,83 |      |
| <b>new</b> 405.06.08.115                             | BT 40 | AD   | EPC (3-8)                                        | 115 | 20 | -    | 50  | -  | 1,64 |      |
| <b>new</b> 405.06.08.140                             | BT 40 | AD   | EPC (3-8)                                        | 140 | 20 | 22,9 | 75  | 40 | 1,72 |      |
| <b>new</b> 405.06.08.165                             | BT 40 | AD   | EPC (3-8)                                        | 165 | 20 | 25,7 | 100 | 40 | 1,81 |      |
| <b>new</b> 405.06.08.215                             | BT 40 | AD   | EPC (3-8)                                        | 215 | 20 | 31,2 | 150 | 40 | 2,06 |      |
| <b>new</b> 405.06.12.140                             | BT 40 | AD   | EPC (3-12)                                       | 140 | 26 | 28,1 | 75  | 50 | 1,78 |      |
| <b>new</b> 405.06.12.165                             | BT 40 | AD   | EPC (3-12)                                       | 165 | 26 | 30,9 | 100 | 50 | 1,90 |      |
| <b>new</b> 405.06.12.215                             | BT 40 | AD   | EPC (3-12)                                       | 215 | 26 | 34,7 | 150 | 50 | 2,20 |      |
| <b>new</b> 405.06.16.140                             | BT 40 | AD   | EPC (3-16)                                       | 140 | 30 | -    | 75  | -  | 1,80 |      |
| <b>new</b> 405.06.16.165                             | BT 40 | AD   | EPC (3-16)                                       | 165 | 30 | 34,1 | 100 | 60 | 1,97 |      |
| <b>new</b> 405.06.16.215                             | BT 40 | AD   | EPC (3-16)                                       | 215 | 30 | 34,7 | 150 | 60 | 2,29 |      |



| Spannzangen Größe<br>Collet size<br>Diamètre de pince<br>Pens ölçüsü (mm) | Max. Anzugskraft<br>Max. Clamping torque<br>Couple max.<br>Max. Sıkma torku (Nm) | Max. Haltekraft<br>Max. Holding torque<br>Force de serrage<br>Max. Tutma torku (Nm) |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| EPC 6 (Ø3-Ø6)                                                             | 4                                                                                | 16                                                                                  |
| EPC 8 (Ø3-Ø8)                                                             | 15                                                                               | 50                                                                                  |
| EPC 12 (Ø3-Ø12)                                                           | 20                                                                               | 160                                                                                 |
| EPC 16 (Ø3-Ø16)                                                           | 25                                                                               | 260                                                                                 |

### Zubehör / Accessories / Accessoires / Yedekler



Spannzangen  
Collets  
Pinces de serrage  
Pens



Spannschlüssel  
Wrench  
Clé de serrage  
Sıkma anahtarı





## Hochgenauigkeits-Spannzangenfutter

High precision pull type collet chuck

Mandrin de serrage de précision

Hassas çektiirmeli pens başlığı



JIS B  
6339  
(MAS 403 BT)

AD

HRC  
58±2



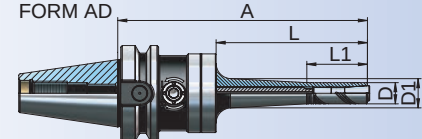
STANDARD  
G 2.5  
30.000  
min<sup>-1</sup>  
U ≤ 1gmm

SPECIAL  
max.  
G 2.5  
50.000  
min<sup>-1</sup>  
U ≤ 1gmm



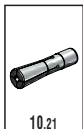
JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | A   | D  | D1   | L   | L1 | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|-----|----|------|-----|----|------|------|
| <b>new</b> 505.06.06.125                             | BT 50 | AD   | EPC (3-6)                                        | 125 | 14 | -    | 50  | -  | 4,22 |      |
| <b>new</b> 505.06.06.150                             | BT 50 | AD   | EPC (3-6)                                        | 150 | 14 | 16,7 | 75  | 40 | 4,26 |      |
| <b>new</b> 505.06.06.175                             | BT 50 | AD   | EPC (3-6)                                        | 175 | 14 | 19,3 | 100 | 40 | 4,31 |      |
| <b>new</b> 505.06.06.225                             | BT 50 | AD   | EPC (3-6)                                        | 225 | 14 | 24,8 | 150 | 40 | 4,46 |      |
| <b>new</b> 505.06.08.125                             | BT 50 | AD   | EPC (3-8)                                        | 125 | 20 | -    | 50  | -  | 4,27 |      |
| <b>new</b> 505.06.08.150                             | BT 50 | AD   | EPC (3-8)                                        | 150 | 20 | 22,9 | 75  | 40 | 4,34 |      |
| <b>new</b> 505.06.08.175                             | BT 50 | AD   | EPC (3-8)                                        | 175 | 20 | 25,7 | 100 | 40 | 4,43 |      |
| <b>new</b> 505.06.08.225                             | BT 50 | AD   | EPC (3-8)                                        | 225 | 20 | 31,2 | 150 | 40 | 4,68 |      |
| <b>new</b> 505.06.12.150                             | BT 50 | AD   | EPC (3-12)                                       | 150 | 26 | 28,1 | 75  | 50 | 4,40 |      |
| <b>new</b> 505.06.12.175                             | BT 50 | AD   | EPC (3-12)                                       | 175 | 26 | 30,9 | 100 | 50 | 4,53 |      |
| <b>new</b> 505.06.12.225                             | BT 50 | AD   | EPC (3-12)                                       | 225 | 26 | 34,7 | 150 | 50 | 4,83 |      |
| <b>new</b> 505.06.16.150                             | BT 50 | AD   | EPC (3-16)                                       | 150 | 30 | -    | 75  | -  | 4,42 |      |
| <b>new</b> 505.06.16.175                             | BT 50 | AD   | EPC (3-16)                                       | 175 | 30 | 34,1 | 100 | 60 | 4,59 |      |
| <b>new</b> 505.06.16.225                             | BT 50 | AD   | EPC (3-16)                                       | 225 | 30 | 34,7 | 150 | 60 | 4,91 |      |



| Spannzangen Größe<br>Collet size<br>Diamètre de pince<br>Pens ölçüsü (mm) | Max. Anzugskraft<br>Max. Clamping torque<br>Couple max.<br>Max. Sıkma torku (Nm) | Max. Haltekraft<br>Max. Holding torque<br>Force de serrage<br>Max. Tutma torku (Nm) |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| EPC 6 (Ø3-Ø6)                                                             | 4                                                                                | 16                                                                                  |
| EPC 8 (Ø3-Ø8)                                                             | 15                                                                               | 50                                                                                  |
| EPC 12 (Ø3-Ø12)                                                           | 20                                                                               | 160                                                                                 |
| EPC 16 (Ø3-Ø16)                                                           | 25                                                                               | 260                                                                                 |

### Zubehör / Accessories / Accessoires / Yedekler



Spannzangen  
Collets  
Pinces de serrage  
Pens



Spannschlüssel  
Wrench  
Clé de serrage  
Sıkma anahtarı



11.12



## Hochgenauigkeits-Spannzangenfutter im Koffer

High precision pull type collet chuck set in box

Mandrin de serrage de précision (set) dans coffre

Hassas çekirmeli pens başlığı seti plastik kutuda

JIS B  
6339  
(MAS 403 BT)

AD

HRC  
58±2



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | Spannzangen Durchmesser<br>Collet Diameter<br>Pince Diamètre<br>Pens Çapı | Spannzangen Stk.<br>Collet Pcs.<br>Pince<br>Pens Adedi | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------|------|------|
| 405.67.06.115                                        | BT 40 | AD   | EPC (3 - 6)                                      | 3-4-5-6                                                                   | 4                                                      | 2,55 |      |
| 405.67.08.115                                        | BT 40 | AD   | EPC (3 - 8)                                      | 3-4-5-6-8                                                                 | 5                                                      | 2,68 |      |
| 405.67.12.140                                        | BT 40 | AD   | EPC (3 - 12)                                     | 6-8-10-12                                                                 | 5                                                      | 2,90 |      |
| 405.67.16.140                                        | BT 40 | AD   | EPC (3 - 16)                                     | 6-8-10-12-16                                                              | 5                                                      | 3,26 |      |
| 505.67.06.125                                        | BT 50 | AD   | EPC (3 - 6)                                      | 3-4-5-6                                                                   | 4                                                      | 5,18 |      |
| 505.67.08.125                                        | BT 50 | AD   | EPC (3 - 8)                                      | 3-4-5-6-8                                                                 | 5                                                      | 5,31 |      |
| 505.67.12.150                                        | BT 50 | AD   | EPC (3 - 12)                                     | 6-8-10-12                                                                 | 5                                                      | 5,52 |      |
| 505.67.16.150                                        | BT 50 | AD   | EPC (3 - 16)                                     | 6-8-10-12-16                                                              | 5                                                      | 5,88 |      |



Lieferumfang : Spannfutter, inkl. Spannzangen mit Schlüssel

Included : Collet chuck with collets and wrench

Inclus : Mandrin avec pinces et clé

Teslim Şekli : Tutucu, pensleri ve anahtarıyla birlikte

### Zubehör / Accessories / Accessoires / Yedekler



Spannzangen  
Collets  
Pince de serrage  
Pens

10.21



Spannschlüssel  
Wrench  
Clé de serrage  
Sıkma anahtarı

10.49



11.12

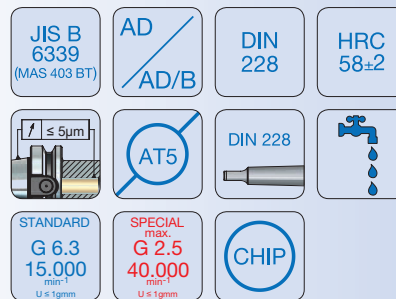
## Morsekegel-Aufnahmen mit Austreibblappen



### Morse taper adaptor

### Douilles intermédiaires pour outils à cône Morse

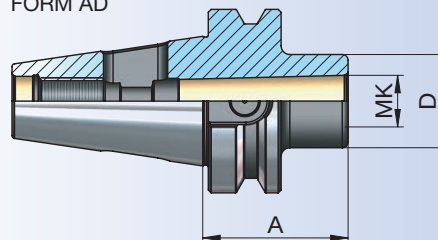
### Mors adaptörü



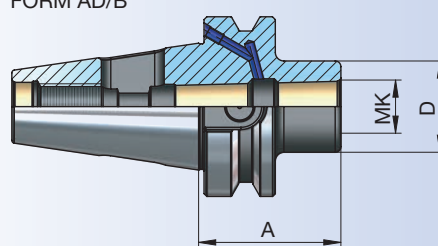
JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | MK   | A   | D  | Kg   | Euro |
|------------------------------------------------------|-------|------|------|-----|----|------|------|
| 305.07.01.45                                         | BT 30 | AD   | MK 1 | 45  | 25 | 0,42 |      |
| 305.07.02.60                                         | BT 30 | AD   | MK 2 | 60  | 32 | 0,49 |      |
| 305.07.03.75                                         | BT 30 | AD   | MK 3 | 75  | 40 | 0,63 |      |
| 405.07.01.50                                         | BT 40 | AD   | MK 1 | 50  | 25 | 1,00 |      |
| 406.07.01.50                                         | BT 40 | AD/B | MK 1 | 50  | 25 | 0,99 |      |
| 405.07.02.50                                         | BT 40 | AD   | MK 2 | 50  | 32 | 0,99 |      |
| 406.07.02.50                                         | BT 40 | AD/B | MK 2 | 50  | 32 | 0,98 |      |
| 405.07.02.117                                        | BT 40 | AD   | MK 2 | 117 | 32 | 1,38 |      |
| 405.07.03.70                                         | BT 40 | AD   | MK 3 | 70  | 40 | 1,11 |      |
| 406.07.03.70                                         | BT 40 | AD/B | MK 3 | 70  | 40 | 1,10 |      |
| 405.07.03.135                                        | BT 40 | AD   | MK 3 | 135 | 40 | 1,70 |      |
| 405.07.04.95                                         | BT 40 | AD   | MK 4 | 95  | 48 | 1,32 |      |
| 406.07.04.95                                         | BT 40 | AD/B | MK 4 | 95  | 48 | 1,27 |      |
| 405.07.04.160                                        | BT 40 | AD   | MK 4 | 160 | 48 | 2,17 |      |
| 505.07.01.45                                         | BT 50 | AD   | MK 1 | 45  | 25 | 3,54 |      |
| 506.07.01.45                                         | BT 50 | AD/B | MK 1 | 45  | 25 | 3,52 |      |
| 505.07.02.60                                         | BT 50 | AD   | MK 2 | 60  | 32 | 3,57 |      |
| 506.07.02.60                                         | BT 50 | AD/B | MK 2 | 60  | 32 | 3,55 |      |
| 505.07.02.125                                        | BT 50 | AD   | MK 2 | 125 | 32 | 3,99 |      |
| 505.07.03.65                                         | BT 50 | AD   | MK 3 | 65  | 40 | 3,54 |      |
| 506.07.03.65                                         | BT 50 | AD/B | MK 3 | 65  | 40 | 3,52 |      |
| 505.07.03.147                                        | BT 50 | AD   | MK 3 | 147 | 40 | 4,34 |      |
| 505.07.04.95                                         | BT 50 | AD   | MK 4 | 95  | 48 | 3,75 |      |
| 506.07.04.95                                         | BT 50 | AD/B | MK 4 | 95  | 48 | 3,72 |      |
| 505.07.04.170                                        | BT 50 | AD   | MK 4 | 170 | 48 | 4,78 |      |
| 505.07.05.105                                        | BT 50 | AD   | MK 5 | 105 | 63 | 3,72 |      |
| 506.07.05.105                                        | BT 50 | AD/B | MK 5 | 105 | 63 | 3,69 |      |
| 505.07.05.205                                        | BT 50 | AD   | MK 5 | 205 | 63 | 6,00 |      |

FORM AD



FORM AD/B



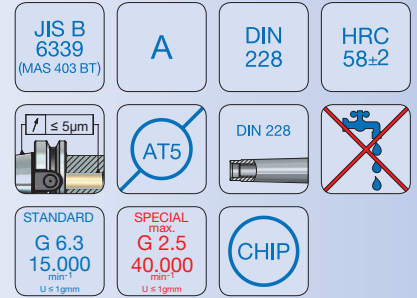


## Zwischenhülsen für MK mit Anzugsgewinde

Morse taper adaptor for tools with morse taper shank and drawbar thread

Douilles intermédiaires pour outils à cône Morse à trou fileté

Mors adaptörü çekirme civatalı

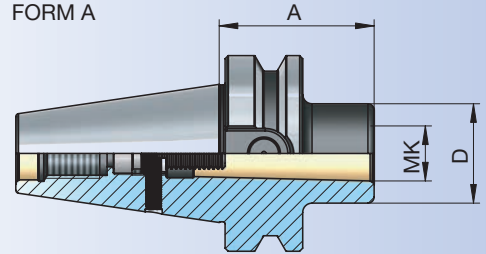


| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | MK   | A   | D  | Kg   | Euro |
|------------------------------------------------------|-------|------|------|-----|----|------|------|
| 405.08.01.50                                         | BT 40 | A    | MK 1 | 50  | 25 | 1,04 |      |
| 405.08.02.50                                         | BT 40 | A    | MK 2 | 50  | 32 | 1,04 |      |
| 405.08.03.70                                         | BT 40 | A    | MK 3 | 70  | 40 | 1,18 |      |
| 405.08.04.95                                         | BT 40 | A    | MK 4 | 95  | 48 | 1,45 |      |
| *405.08.04A.110                                      | BT 40 | A    | MK 4 | 110 | 63 | 2,30 |      |

|                 |       |   |      |     |    |      |  |
|-----------------|-------|---|------|-----|----|------|--|
| 505.08.01.45    | BT 50 | A | MK 1 | 45  | 25 | 3,64 |  |
| 505.08.02.60    | BT 50 | A | MK 2 | 60  | 32 | 3,68 |  |
| 505.08.03.65    | BT 50 | A | MK 3 | 65  | 40 | 3,70 |  |
| 505.08.04.70    | BT 50 | A | MK 4 | 70  | 48 | 3,65 |  |
| *505.08.04A.85  | BT 50 | A | MK 4 | 85  | 63 | 4,16 |  |
| 505.08.05.100   | BT 50 | A | MK 5 | 100 | 63 | 3,87 |  |
| *505.08.05A.118 | BT 50 | A | MK 5 | 118 | 78 | 4,95 |  |

- \* Mit Mitnahmeausfräsung nach DIN 2201
- \* With driving facilities to DIN 2201
- \* Avec douille d'accouplement de fraisure DIN 2201
- \* Taşıyıcı yuvalı DIN 2201

FORM A

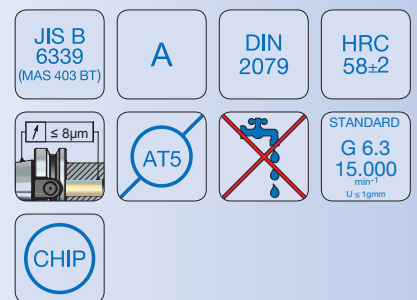


## Adapter / Reduzierungen

Reduction Sleeves

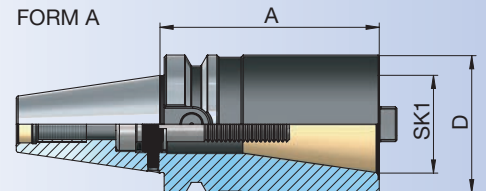
Douilles de réduction

Çekirme civatalı redüksiyon



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | SK    | A   | D  | Kg   | Euro |
|------------------------------------------------------|-------|------|-------|-----|----|------|------|
| 405.09.30.60                                         | BT 40 | A    | SK 30 | 60  | 50 | 1,28 |      |
| 405.09.40.100                                        | BT 40 | A    | SK 40 | 100 | 63 | 2,20 |      |
| 505.09.40.70                                         | BT 50 | A    | SK 40 | 70  | 70 | 4,12 |      |
| 505.09.50.120                                        | BT 50 | A    | SK 50 | 120 | 97 | 6,19 |      |

FORM A



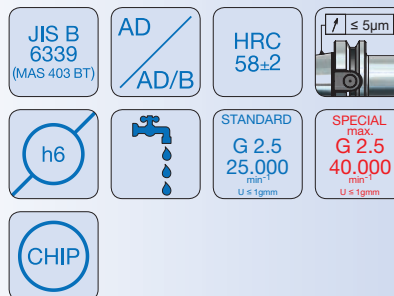
## Kombi - Aufsteckfräserdorne



### Combi shell mill holder

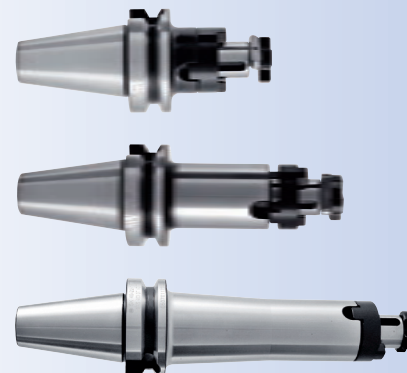
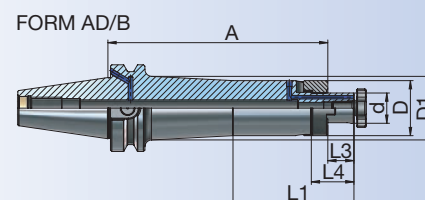
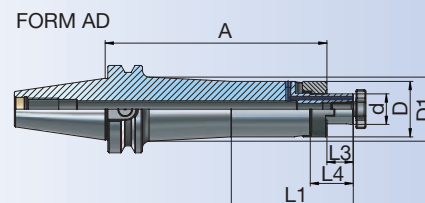
Porte-fraises à double usage pour fraises à entraînement par clavette ou tenon

### Kombine malafa



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L3 | L4 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|----|------|------|
| 305.10.16.45                                         | BT 30 | AD   | 16 | 45  | 32 | -    | -   | 17 | 27 | 0,56 |      |
| 305.10.22.47                                         | BT 30 | AD   | 22 | 47  | 40 | -    | -   | 19 | 31 | 0,70 |      |
| 305.10.27.49                                         | BT 30 | AD   | 27 | 49  | 48 | -    | -   | 21 | 33 | 0,87 |      |
| 305.10.32.52                                         | BT 30 | AD   | 32 | 52  | 58 | -    | -   | 24 | 38 | 1,12 |      |
| 405.10.16.55                                         | BT 40 | AD   | 16 | 55  | 32 | -    | -   | 17 | 27 | 1,17 |      |
| 406.10.16.55                                         | BT 40 | AD/B | 16 | 55  | 32 | -    | -   | 17 | 27 | 1,16 |      |
| 405.10.16.100                                        | BT 40 | AD   | 16 | 100 | 32 | -    | -   | 17 | 27 | 1,43 |      |
| 406.10.16.100                                        | BT 40 | AD/B | 16 | 100 | 32 | -    | -   | 17 | 27 | 1,42 |      |
| 405.10.16.130                                        | BT 40 | AD   | 16 | 130 | 32 | -    | -   | 17 | 27 | 1,61 |      |
| 406.10.16.130                                        | BT 40 | AD/B | 16 | 130 | 32 | -    | -   | 17 | 27 | 1,60 |      |
| 405.10.16.160                                        | BT 40 | AD   | 16 | 160 | 32 | 38   | 88  | 17 | 27 | 1,87 |      |
| 406.10.16.160                                        | BT 40 | AD/B | 16 | 160 | 32 | 38   | 88  | 17 | 27 | 1,86 |      |
| 406.10.16.200                                        | BT 40 | AD/B | 16 | 200 | 32 | 39   | 120 | 17 | 27 | 2,12 |      |
| 405.10.22.55                                         | BT 40 | AD   | 22 | 55  | 40 | -    | -   | 19 | 31 | 1,28 |      |
| 406.10.22.55                                         | BT 40 | AD/B | 22 | 55  | 40 | -    | -   | 19 | 31 | 1,27 |      |
| 405.10.22.100                                        | BT 40 | AD   | 22 | 100 | 40 | -    | -   | 19 | 31 | 1,68 |      |
| 406.10.22.100                                        | BT 40 | AD/B | 22 | 100 | 40 | -    | -   | 19 | 31 | 1,67 |      |
| 405.10.22.130                                        | BT 40 | AD   | 22 | 130 | 40 | -    | -   | 19 | 31 | 1,95 |      |
| 406.10.22.130                                        | BT 40 | AD/B | 22 | 130 | 40 | -    | -   | 19 | 31 | 1,94 |      |
| 405.10.22.160                                        | BT 40 | AD   | 22 | 160 | 40 | 46,5 | 88  | 19 | 31 | 2,33 |      |
| 406.10.22.160                                        | BT 40 | AD/B | 22 | 160 | 40 | 46,5 | 88  | 19 | 31 | 2,32 |      |
| 406.10.22.200                                        | BT 40 | AD/B | 22 | 200 | 40 | 47,5 | 120 | 19 | 31 | 2,71 |      |



### Zubehör / Accessories / Accessoires / Yedekler

DIN 6366



10.46

Mitnehmerringe  
Clutch drive rings to  
Bague d'entraînement  
Tırnaklı pul

DIN 6367



10.45

Fräseranzugsschrauben  
Drawn in bolt  
Vis de serrage  
Alın sıkma civatası

DIN 6885



10.44

Paßfeder  
Drive key  
Ressort de passage  
Kama

DIN 6388



10.46

Spannschlüssel für Aufsteckdorne  
Wrench  
Clé de serrage  
Alın civatası sıkma anahtarı

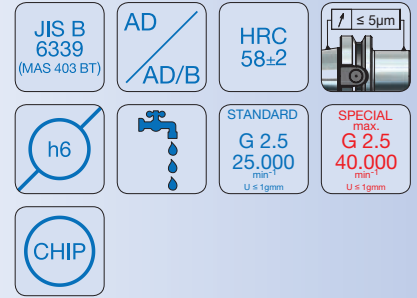


## Kombi - Aufsteckfräserdorne

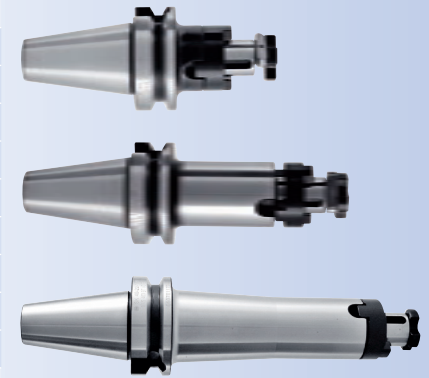
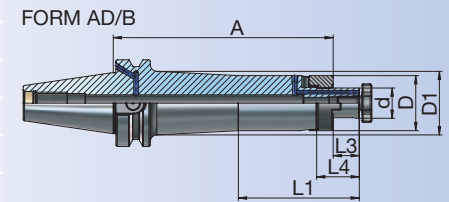
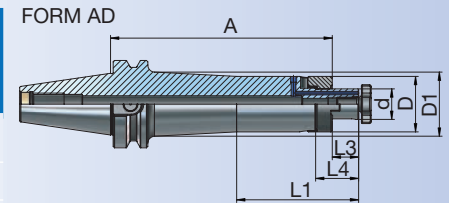
### Combi shell mill holder

Porte-fraises à double usage pour fraises à entraînement par clavette ou tenon

Kombine malafa



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1 | L1  | L3 | L4 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|----|-----|----|----|------|------|
| 405.10.27.55                                         | BT 40 | AD   | 27 | 55  | 48 | -  | -   | 21 | 33 | 1,44 |      |
| 406.10.27.55                                         | BT 40 | AD/B | 27 | 55  | 48 | -  | -   | 21 | 33 | 1,43 |      |
| 405.10.27.100                                        | BT 40 | AD   | 27 | 100 | 48 | -  | -   | 21 | 33 | 2,04 |      |
| 406.10.27.100                                        | BT 40 | AD/B | 27 | 100 | 48 | -  | -   | 21 | 33 | 2,03 |      |
| 405.10.27.130                                        | BT 40 | AD   | 27 | 130 | 48 | -  | -   | 21 | 33 | 2,44 |      |
| 406.10.27.130                                        | BT 40 | AD/B | 27 | 130 | 48 | -  | -   | 21 | 33 | 2,43 |      |
| 405.10.27.160                                        | BT 40 | AD   | 27 | 160 | 48 | 55 | 88  | 21 | 33 | 2,98 |      |
| 406.10.27.160                                        | BT 40 | AD/B | 27 | 160 | 48 | 55 | 88  | 21 | 33 | 2,97 |      |
| 406.10.27.200                                        | BT 40 | AD/B | 27 | 200 | 48 | 56 | 120 | 21 | 33 | 3,53 |      |
| 405.10.32.60                                         | BT 40 | AD   | 32 | 60  | 58 | -  | -   | 24 | 38 | 1,80 |      |
| 406.10.32.60                                         | BT 40 | AD/B | 32 | 60  | 58 | -  | -   | 24 | 38 | 1,77 |      |
| 405.10.32.100                                        | BT 40 | AD   | 32 | 100 | 58 | -  | -   | 24 | 38 | 2,59 |      |
| 406.10.32.100                                        | BT 40 | AD/B | 32 | 100 | 58 | -  | -   | 24 | 38 | 2,57 |      |
| 405.10.32.130                                        | BT 40 | AD   | 32 | 130 | 58 | -  | -   | 24 | 38 | 3,18 |      |
| 406.10.32.130                                        | BT 40 | AD/B | 32 | 130 | 58 | -  | -   | 24 | 38 | 3,16 |      |
| 405.10.32.160                                        | BT 40 | AD   | 32 | 160 | 58 | -  | -   | 24 | 38 | 3,77 |      |
| 406.10.32.160                                        | BT 40 | AD/B | 32 | 160 | 58 | -  | -   | 24 | 38 | 3,75 |      |
| 406.10.32.200                                        | BT 40 | AD/B | 32 | 200 | 58 | -  | -   | 24 | 38 | 4,54 |      |
| 405.10.40.60                                         | BT 40 | AD   | 40 | 60  | 70 | -  | -   | 27 | 41 | 2,19 |      |
| 406.10.40.60                                         | BT 40 | AD/B | 40 | 60  | 70 | -  | -   | 27 | 41 | 2,16 |      |



### Zubehör / Accessories / Accessoires / Yedekler

DIN 6366



10.46

Mitnehmerringe  
Clutch drive rings to  
Bague d'entraînement  
Tırnaklı pul

DIN 6367



10.45

Fräseranzugsschrauben  
Drawn in bolt  
Vis de serrage  
Alın sıkma civatası

DIN 6885



10.44

Paßfeder  
Drive key  
Ressort de passage  
Kama

DIN 6388



10.46

Spannschlüssel für Aufsteckdorne  
Wrench  
Clé de serrage  
Alın civatası sıkma anahtarı



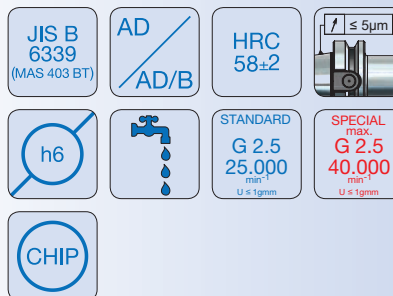
## Kombi - Aufsteckfräserdorne



### Combi shell mill holder

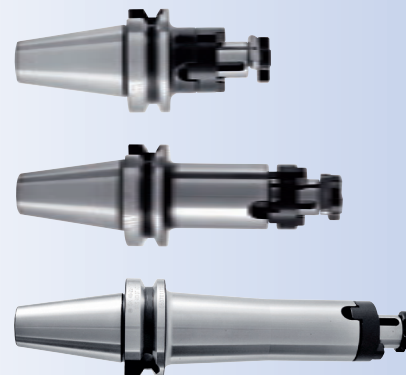
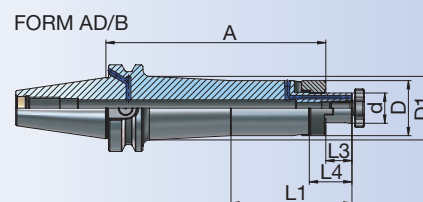
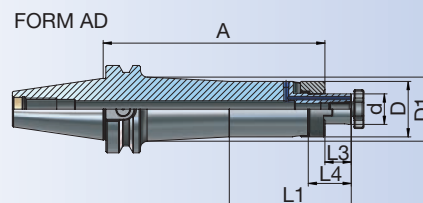
Porte-fraises à double usage pour fraises à entraînement par clavette ou tenon

### Kombine malafa



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L3 | L4 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|----|------|------|
| 505.10.16.70                                         | BT 50 | AD   | 16 | 70  | 32 | -    | -   | 17 | 27 | 3,85 |      |
| 506.10.16.70                                         | BT 50 | AD/B | 16 | 70  | 32 | -    | -   | 17 | 27 | 3,83 |      |
| 505.10.16.100                                        | BT 50 | AD   | 16 | 100 | 32 | -    | -   | 17 | 27 | 4,03 |      |
| 506.10.16.100                                        | BT 50 | AD/B | 16 | 100 | 32 | -    | -   | 17 | 27 | 4,01 |      |
| 505.10.16.130                                        | BT 50 | AD   | 16 | 130 | 32 | -    | -   | 17 | 27 | 4,20 |      |
| 506.10.16.130                                        | BT 50 | AD/B | 16 | 130 | 32 | -    | -   | 17 | 27 | 4,18 |      |
| 505.10.16.160                                        | BT 50 | AD   | 16 | 160 | 32 | 37   | 88  | 17 | 27 | 4,43 |      |
| 506.10.16.160                                        | BT 50 | AD/B | 16 | 160 | 32 | 37   | 88  | 17 | 27 | 4,42 |      |
| 506.10.16.200                                        | BT 50 | AD/B | 16 | 200 | 32 | 38   | 120 | 17 | 27 | 4,67 |      |
| 505.10.22.70                                         | BT 50 | AD   | 22 | 70  | 40 | -    | -   | 19 | 31 | 3,97 |      |
| 506.10.22.70                                         | BT 50 | AD/B | 22 | 70  | 40 | -    | -   | 19 | 31 | 3,95 |      |
| 505.10.22.100                                        | BT 50 | AD   | 22 | 100 | 40 | -    | -   | 19 | 31 | 4,23 |      |
| 506.10.22.100                                        | BT 50 | AD/B | 22 | 100 | 40 | -    | -   | 19 | 31 | 4,22 |      |
| 505.10.22.130                                        | BT 50 | AD   | 22 | 130 | 40 | -    | -   | 19 | 31 | 4,50 |      |
| 506.10.22.130                                        | BT 50 | AD/B | 22 | 130 | 40 | -    | -   | 19 | 31 | 4,48 |      |
| 505.10.22.160                                        | BT 50 | AD   | 22 | 160 | 40 | 45,5 | 88  | 19 | 31 | 4,84 |      |
| 506.10.22.160                                        | BT 50 | AD/B | 22 | 160 | 40 | 45,5 | 88  | 19 | 31 | 4,83 |      |
| 506.10.22.200                                        | BT 50 | AD/B | 22 | 200 | 40 | 46   | 120 | 19 | 31 | 5,21 |      |
| 505.10.27.70                                         | BT 50 | AD   | 27 | 70  | 48 | -    | -   | 21 | 33 | 4,15 |      |
| 506.10.27.70                                         | BT 50 | AD/B | 27 | 70  | 48 | -    | -   | 21 | 33 | 4,13 |      |
| 505.10.27.100                                        | BT 50 | AD   | 27 | 100 | 48 | -    | -   | 21 | 33 | 4,55 |      |
| 506.10.27.100                                        | BT 50 | AD/B | 27 | 100 | 48 | -    | -   | 21 | 33 | 4,52 |      |
| 505.10.27.130                                        | BT 50 | AD   | 27 | 130 | 48 | -    | -   | 21 | 33 | 4,95 |      |
| 506.10.27.130                                        | BT 50 | AD/B | 27 | 130 | 48 | -    | -   | 21 | 33 | 4,92 |      |
| 505.10.27.160                                        | BT 50 | AD   | 27 | 160 | 48 | 53,5 | 88  | 21 | 33 | 5,44 |      |
| 506.10.27.160                                        | BT 50 | AD/B | 27 | 160 | 48 | 53,5 | 88  | 21 | 33 | 5,41 |      |
| 506.10.27.200                                        | BT 50 | AD/B | 27 | 200 | 48 | 54,5 | 120 | 21 | 33 | 5,97 |      |



### Zubehör / Accessories / Accessoires / Yedekler

DIN 6366



10.46

Mitnehmerringe  
Clutch drive rings to  
Bague d'entraînement  
Tırnaklı pul

DIN 6367



10.45

Fräseranzugsschrauben  
Drawn in bolt  
Vis de serrage  
Alın sıkma civatası

DIN 6885



10.44

Paßfeder  
Drive key  
Ressort de passage  
Kama

DIN 6388



10.46

Spannschlüssel für Aufsteckdorne  
Wrench  
Clé de serrage  
Alın civatası sıkma anahtarı

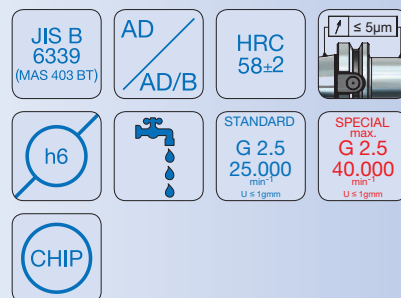


## Kombi - Aufsteckfräserdorne

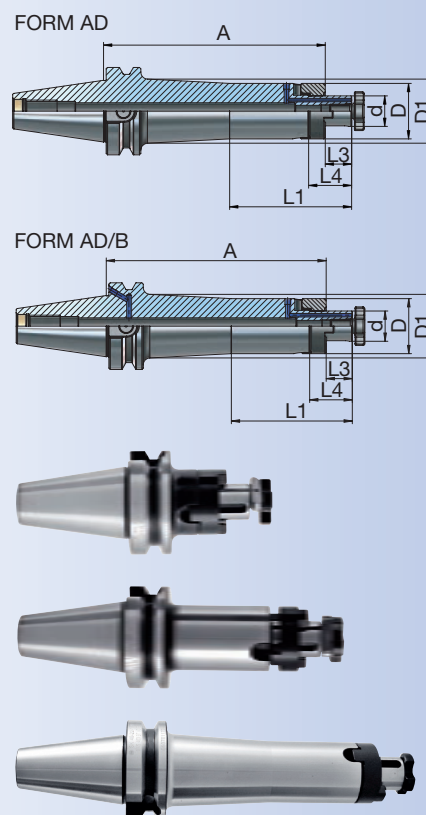
### Combi shell mill holder

Porte-fraises à double usage pour fraises à entraînement par clavette ou tenon

Kombine malafa



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L3 | L4 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|----|------|------|
| 505.10.32.70                                         | BT 50 | AD   | 32 | 70  | 58 | -    | -   | 24 | 38 | 4,43 |      |
| 506.10.32.70                                         | BT 50 | AD/B | 32 | 70  | 58 | -    | -   | 24 | 38 | 4,39 |      |
| 505.10.32.100                                        | BT 50 | AD   | 32 | 100 | 58 | -    | -   | 24 | 38 | 5,03 |      |
| 506.10.32.100                                        | BT 50 | AD/B | 32 | 100 | 58 | -    | -   | 24 | 38 | 4,99 |      |
| 505.10.32.130                                        | BT 50 | AD   | 32 | 130 | 58 | -    | -   | 24 | 38 | 5,62 |      |
| 506.10.32.130                                        | BT 50 | AD/B | 32 | 130 | 58 | -    | -   | 24 | 38 | 5,58 |      |
| 505.10.32.160                                        | BT 50 | AD   | 32 | 160 | 58 | 64   | 88  | 24 | 38 | 6,34 |      |
| 506.10.32.160                                        | BT 50 | AD/B | 32 | 160 | 58 | 64   | 88  | 24 | 38 | 6,30 |      |
| 506.10.32.200                                        | BT 50 | AD/B | 32 | 200 | 58 | 64,5 | 120 | 24 | 38 | 7,13 |      |
| 505.10.40.70                                         | BT 50 | AD   | 40 | 70  | 70 | -    | -   | 27 | 41 | 4,88 |      |
| 506.10.40.70                                         | BT 50 | AD/B | 40 | 70  | 70 | -    | -   | 27 | 41 | 4,83 |      |
| 505.10.40.100                                        | BT 50 | AD   | 40 | 100 | 70 | -    | -   | 27 | 41 | 5,76 |      |
| 506.10.40.100                                        | BT 50 | AD/B | 40 | 100 | 70 | -    | -   | 27 | 41 | 5,72 |      |
| 505.10.40.130                                        | BT 50 | AD   | 40 | 130 | 70 | -    | -   | 27 | 41 | 6,64 |      |
| 506.10.40.130                                        | BT 50 | AD/B | 40 | 130 | 70 | -    | -   | 27 | 41 | 6,59 |      |
| 505.10.40.160                                        | BT 50 | AD   | 40 | 160 | 70 | 76   | 88  | 27 | 41 | 7,68 |      |
| 506.10.40.160                                        | BT 50 | AD/B | 40 | 160 | 70 | 76   | 88  | 27 | 41 | 7,64 |      |
| 506.10.40.200                                        | BT 50 | AD/B | 40 | 200 | 70 | 77   | 120 | 27 | 41 | 8,85 |      |



### Zubehör / Accessories / Accessoires / Yedekler

DIN 6366



10.46

Mitnehmerringe  
Clutch drive rings to  
Bague d'entraînement  
Tırnaklı pul

DIN 6367



10.45

Fräseranzugsschrauben  
Drawn in bolt  
Vis de serrage  
Alın sıkma civatası

DIN 6885



10.44

Paßfeder  
Drive key  
Ressort de passage  
Kama

DIN 6388



10.46

Spannschlüssel für Aufsteckdorne  
Wrench  
Clé de serrage  
Alın civatası sıkma anahtarı

## Quernut-Aufsteckdorne mit vergrößertem Bunddurchmesser



Shell mill holder for cutters with driving slot

Porte-fraises à surfacer avec diamètre de collerette élargi

Alın kamalı malafa

JIS B  
6339  
(MAS 403 BT)

AD  
AD/B

HRC  
58±2

≤ 5μm

h6

7

STANDARD  
G 2.5  
25.000  
min<sup>-1</sup>  
U ≤ 1gmm

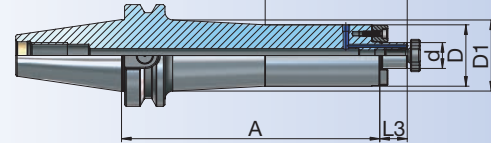
SPECIAL  
max.  
G 2.5  
40.000  
min<sup>-1</sup>  
U ≤ 1gmm

CHIP

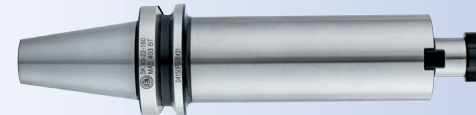
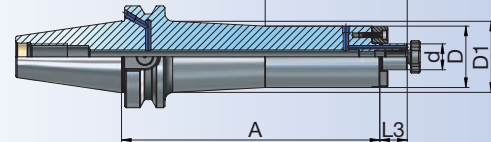
JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L3 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|------|------|
| 305.11.16.40                                         | BT 30 | AD   | 16 | 40  | 38 | -    | -   | 17 | 0,58 |      |
| 305.11.22.40                                         | BT 30 | AD   | 22 | 40  | 48 | -    | -   | 19 | 0,70 |      |
| 305.11.27.50                                         | BT 30 | AD   | 27 | 50  | 60 | -    | -   | 21 | 1,06 |      |
| 305.11.32.50                                         | BT 30 | AD   | 32 | 50  | 78 | -    | -   | 24 | 1,46 |      |
| 405.11.16.40                                         | BT 40 | AD   | 16 | 40  | 38 | -    | -   | 17 | 1,14 |      |
| 406.11.16.40                                         | BT 40 | AD/B | 16 | 40  | 38 | -    | -   | 17 | 1,11 |      |
| 405.11.16.100                                        | BT 40 | AD   | 16 | 100 | 38 | -    | -   | 17 | 1,67 |      |
| 406.11.16.100                                        | BT 40 | AD/B | 16 | 100 | 38 | -    | -   | 17 | 1,62 |      |
| 405.11.16.130                                        | BT 40 | AD   | 16 | 130 | 38 | -    | -   | 17 | 1,96 |      |
| 406.11.16.130                                        | BT 40 | AD/B | 16 | 130 | 38 | -    | -   | 17 | 1,89 |      |
| 405.11.16.160                                        | BT 40 | AD   | 16 | 160 | 38 | 44   | 88  | 17 | 2,30 |      |
| 406.11.16.160                                        | BT 40 | AD/B | 16 | 160 | 38 | 44   | 88  | 17 | 2,22 |      |
| 405.11.16.200                                        | BT 40 | AD   | 16 | 200 | 38 | 45   | 120 | 17 | 2,69 |      |
| <b>new</b> 406.11.16.200                             | BT 40 | AD/B | 16 | 200 | 38 | 45   | 120 | 17 | 2,68 |      |
| 405.11.22.40                                         | BT 40 | AD   | 22 | 40  | 48 | -    | -   | 19 | 1,25 |      |
| 406.11.22.40                                         | BT 40 | AD/B | 22 | 40  | 48 | -    | -   | 19 | 1,21 |      |
| 405.11.22.100                                        | BT 40 | AD   | 22 | 100 | 48 | -    | -   | 19 | 2,10 |      |
| 406.11.22.100                                        | BT 40 | AD/B | 22 | 100 | 48 | -    | -   | 19 | 2,00 |      |
| 405.11.22.130                                        | BT 40 | AD   | 22 | 130 | 48 | -    | -   | 19 | 2,52 |      |
| 406.11.22.130                                        | BT 40 | AD/B | 22 | 130 | 48 | -    | -   | 19 | 2,40 |      |
| 405.11.22.160                                        | BT 40 | AD   | 22 | 160 | 48 | 54,5 | 88  | 19 | 3,07 |      |
| 406.11.22.160                                        | BT 40 | AD/B | 22 | 160 | 48 | 54,5 | 88  | 19 | 2,92 |      |
| 405.11.22.200                                        | BT 40 | AD   | 22 | 200 | 48 | 55,5 | 120 | 19 | 3,67 |      |
| <b>new</b> 406.11.22.200                             | BT 40 | AD/B | 22 | 200 | 48 | 55,5 | 120 | 19 | 3,66 |      |

FORM AD



FORM AD/B



## Zubehör / Accessories / Accessoires / Yedekler

DIN 6367



10.45

Fräseranzugsschrauben  
Drawn in bolt  
Vis de serrage  
Alın sıkma civatası



10.44

Mitnehmersteine  
Drive keys  
Entraîneur  
Kama

DIN 6368



10.46

Spannschlüssel für Aufsteckdorne  
Wrench  
Clé de serrage  
Alın civatası sıkma anahtar

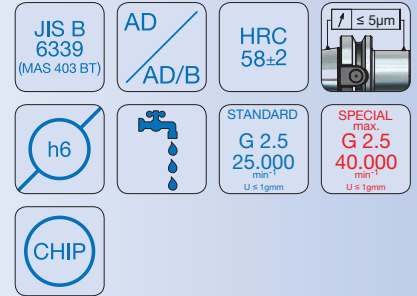


## Quernut-Aufsteckdorne mit vergrößertem Bunddurchmesser

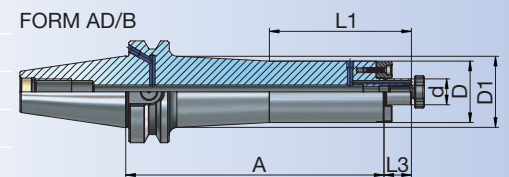
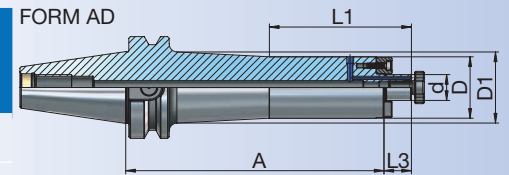
Shell mill holder for cutters with driving slot

Porte-fraises à surfacer avec diamètre de collerette élargi

Alın kamalı malafa



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1 | L1 | L3 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|----|----|----|------|------|
| 405.11.27.40                                         | BT 40 | AD   | 27 | 40  | 60 | -  | -  | 21 | 1,41 |      |
| 406.11.27.40                                         | BT 40 | AD/B | 27 | 40  | 60 | -  | -  | 21 | 1,36 |      |
| 405.11.27.100                                        | BT 40 | AD   | 27 | 100 | 60 | -  | -  | 21 | 2,73 |      |
| 406.11.27.100                                        | BT 40 | AD/B | 27 | 100 | 60 | -  | -  | 21 | 2,63 |      |
| 405.11.27.130                                        | BT 40 | AD   | 27 | 130 | 60 | -  | -  | 21 | 3,39 |      |
| 406.11.27.130                                        | BT 40 | AD/B | 27 | 130 | 60 | -  | -  | 21 | 3,27 |      |
| 405.11.27.160                                        | BT 40 | AD   | 27 | 160 | 60 | -  | -  | 21 | 4,05 |      |
| 406.11.27.160                                        | BT 40 | AD/B | 27 | 160 | 60 | -  | -  | 21 | 3,90 |      |
| 405.11.27.200                                        | BT 40 | AD   | 27 | 200 | 60 | -  | -  | 21 | 4,94 |      |
| <b>new</b> 406.11.27.200                             | BT 40 | AD/B | 27 | 200 | 60 | -  | -  | 21 | 4,93 |      |
| 405.11.32.50                                         | BT 40 | AD   | 32 | 50  | 78 | -  | -  | 24 | 1,93 |      |
| 406.11.32.50                                         | BT 40 | AD/B | 32 | 50  | 78 | -  | -  | 24 | 1,87 |      |
| 405.11.32.100                                        | BT 40 | AD   | 32 | 100 | 78 | -  | -  | 24 | 3,79 |      |
| 406.11.32.100                                        | BT 40 | AD/B | 32 | 100 | 78 | -  | -  | 24 | 3,68 |      |
| 405.11.32.130                                        | BT 40 | AD   | 32 | 130 | 78 | -  | -  | 24 | 4,90 |      |
| 406.11.32.130                                        | BT 40 | AD/B | 32 | 130 | 78 | -  | -  | 24 | 4,77 |      |
| 405.11.32.160                                        | BT 40 | AD   | 32 | 160 | 78 | -  | -  | 24 | 6,02 |      |
| 406.11.32.160                                        | BT 40 | AD/B | 32 | 160 | 78 | -  | -  | 24 | 5,86 |      |
| 405.11.32.200                                        | BT 40 | AD   | 32 | 200 | 78 | -  | -  | 24 | 7,51 |      |
| <b>new</b> 406.11.32.200                             | BT 40 | AD/B | 32 | 200 | 78 | -  | -  | 24 | 7,50 |      |
| *405.11.40.50                                        | BT 40 | AD   | 40 | 50  | 88 | -  | -  | 27 | 2,13 |      |
| *406.11.40.50                                        | BT 40 | AD/B | 40 | 50  | 88 | -  | -  | 27 | 2,07 |      |



\* d=Ø 40 (M12)

Mit zusätzlichen 4 Gewindebohrungen nach DIN 2079  
With additional 4 screws holes in compliance with DIN 2079  
Avec 4 trous taraudés supplémentaires d'après DIN 2079  
DIN 2079 'a uygun ilave 4 vida bağlantılı

### Zubehör / Accessories / Accessoires / Yedekler

DIN 6367



10.45

Fräseranzugsschrauben  
Drawn in bolt  
Vis de serrage  
Alın sıkma civatası



10.44

Mitnehmersteine  
Drive keys  
Entraîneur  
Kama

DIN 6368



10.46

Spannschlüssel für Aufsteckdorne  
Wrench  
Clé de serrage  
Alın civatası sıkma anahtarı

## Quernut-Aufsteckdorne mit vergrößertem Bunddurchmesser



Shell mill holder for cutters with driving slot

Porte-fraises à surfacer avec diamètre de collette élargi

Alın kamalı malafa

JIS B  
6339  
(MAS 403 BT)

AD  
AD/B

HRC  
58±2

≤ 5µm

h6

7

STANDARD  
G 2.5  
25.000  
min<sup>-1</sup>  
U ≤ 1gmm

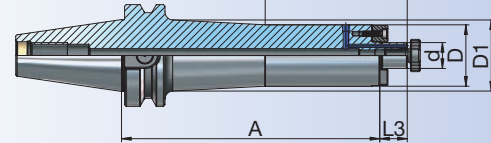
SPECIAL  
max.  
G 2.5  
40.000  
min<sup>-1</sup>  
U ≤ 1gmm

CHIP

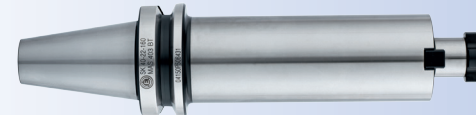
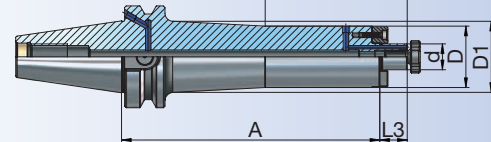
JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1  | L3 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|-----|----|------|------|
| 505.11.16.50                                         | BT 50 | AD   | 16 | 50  | 38 | -    | -   | 17 | 3,80 |      |
| 506.11.16.50                                         | BT 50 | AD/B | 16 | 50  | 38 | -    | -   | 17 | 3,75 |      |
| 505.11.16.100                                        | BT 50 | AD   | 16 | 100 | 38 | -    | -   | 17 | 4,25 |      |
| 506.11.16.100                                        | BT 50 | AD/B | 16 | 100 | 38 | -    | -   | 17 | 4,17 |      |
| 505.11.16.130                                        | BT 50 | AD   | 16 | 130 | 38 | -    | -   | 17 | 4,53 |      |
| 506.11.16.130                                        | BT 50 | AD/B | 16 | 130 | 38 | -    | -   | 17 | 4,44 |      |
| 505.11.16.160                                        | BT 50 | AD   | 16 | 160 | 38 | 42,5 | 88  | 17 | 4,86 |      |
| 506.11.16.160                                        | BT 50 | AD/B | 16 | 160 | 38 | 42,5 | 88  | 17 | 4,76 |      |
| 505.11.16.200                                        | BT 50 | AD   | 16 | 200 | 38 | 43   | 120 | 17 | 5,27 |      |
| <b>new</b> 506.11.16.200                             | BT 50 | AD/B | 16 | 200 | 38 | 43   | 120 | 17 | 5,26 |      |
| 505.11.22.55                                         | BT 50 | AD   | 22 | 55  | 48 | -    | -   | 19 | 3,98 |      |
| 506.11.22.55                                         | BT 50 | AD/B | 22 | 55  | 48 | -    | -   | 19 | 3,90 |      |
| 505.11.22.100                                        | BT 50 | AD   | 22 | 100 | 48 | -    | -   | 19 | 4,61 |      |
| 506.11.22.100                                        | BT 50 | AD/B | 22 | 100 | 48 | -    | -   | 19 | 4,49 |      |
| 505.11.22.130                                        | BT 50 | AD   | 22 | 130 | 48 | -    | -   | 19 | 5,06 |      |
| 506.11.22.130                                        | BT 50 | AD/B | 22 | 130 | 48 | -    | -   | 19 | 4,91 |      |
| 505.11.22.160                                        | BT 50 | AD   | 22 | 160 | 48 | 53   | 88  | 19 | 5,57 |      |
| 506.11.22.160                                        | BT 50 | AD/B | 22 | 160 | 48 | 53   | 88  | 19 | 5,39 |      |
| 505.11.22.200                                        | BT 50 | AD   | 22 | 200 | 48 | 53   | 120 | 19 | 6,20 |      |
| <b>new</b> 506.11.22.200                             | BT 50 | AD/B | 22 | 200 | 48 | 53   | 120 | 19 | 6,19 |      |
| 505.11.27.55                                         | BT 50 | AD   | 27 | 55  | 60 | -    | -   | 21 | 4,17 |      |
| 506.11.27.55                                         | BT 50 | AD/B | 27 | 55  | 60 | -    | -   | 21 | 4,09 |      |
| 505.11.27.100                                        | BT 50 | AD   | 27 | 100 | 60 | -    | -   | 21 | 5,17 |      |
| 506.11.27.100                                        | BT 50 | AD/B | 27 | 100 | 60 | -    | -   | 21 | 5,04 |      |
| 505.11.27.130                                        | BT 50 | AD   | 27 | 130 | 60 | -    | -   | 21 | 5,85 |      |
| 506.11.27.130                                        | BT 50 | AD/B | 27 | 130 | 60 | -    | -   | 21 | 5,70 |      |
| 505.11.27.160                                        | BT 50 | AD   | 27 | 160 | 60 | 65   | 88  | 21 | 6,63 |      |
| 506.11.27.160                                        | BT 50 | AD/B | 27 | 160 | 60 | 65   | 88  | 21 | 6,45 |      |
| 505.11.27.200                                        | BT 50 | AD   | 27 | 200 | 60 | 65,5 | 120 | 21 | 7,60 |      |
| <b>new</b> 506.11.27.200                             | BT 50 | AD/B | 27 | 200 | 60 | 65,5 | 120 | 21 | 7,59 |      |

FORM AD



FORM AD/B



### Zubehör / Accessories / Accessoires / Yedekler

DIN 6367



10.45

Fräseranzugsschrauben  
Drawn in bolt  
Vis de serrage  
Alın sıkma civatası



10.44

Mitnehmersteine  
Drive keys  
Entraîneur  
Kama

DIN 6368



10.46

Spannschlüssel für Aufsteckdorne  
Wrench  
Clé de serrage  
Alın civatası sıkma anahtar

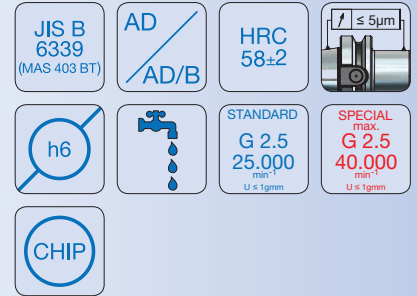


## Quernut-Aufsteckdorne mit vergrößertem Bunddurchmesser

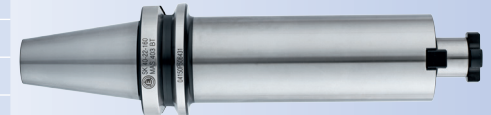
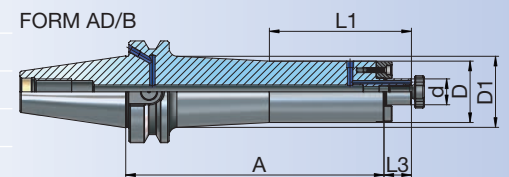
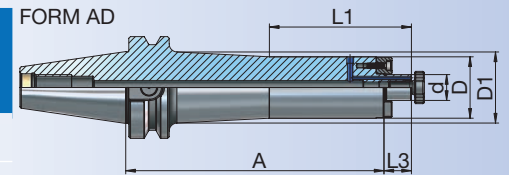
Shell mill holder for cutters with driving slot

Porte-fraises à surfacer avec diamètre de collerette élargi

Alın kamalı malafa



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D   | D1   | L1  | L3 | Kg    | Euro |
|------------------------------------------------------|-------|------|----|-----|-----|------|-----|----|-------|------|
| 505.11.32.55                                         | BT 50 | AD   | 32 | 55  | 78  | -    | -   | 24 | 4,52  |      |
| 506.11.32.55                                         | BT 50 | AD/B | 32 | 55  | 78  | -    | -   | 24 | 4,44  |      |
| 505.11.32.100                                        | BT 50 | AD   | 32 | 100 | 78  | -    | -   | 24 | 6,20  |      |
| 506.11.32.100                                        | BT 50 | AD/B | 32 | 100 | 78  | -    | -   | 24 | 6,07  |      |
| 505.11.32.130                                        | BT 50 | AD   | 32 | 130 | 78  | -    | -   | 24 | 7,32  |      |
| 506.11.32.130                                        | BT 50 | AD/B | 32 | 130 | 78  | -    | -   | 24 | 7,16  |      |
| 505.11.32.160                                        | BT 50 | AD   | 32 | 160 | 78  | 84   | 88  | 24 | 8,61  |      |
| 506.11.32.160                                        | BT 50 | AD/B | 32 | 160 | 78  | 84   | 88  | 24 | 8,42  |      |
| 505.11.32.200                                        | BT 50 | AD   | 32 | 200 | 78  | 84,5 | 120 | 24 | 10,15 |      |
| <b>new</b> 506.11.32.200                             | BT 50 | AD/B | 32 | 200 | 78  | 84,5 | 120 | 24 | 10,14 |      |
| *505.11.40.55                                        | BT 50 | AD   | 40 | 55  | 88  | -    | -   | 27 | 4,78  |      |
| *506.11.40.55                                        | BT 50 | AD/B | 40 | 55  | 88  | -    | -   | 27 | 4,68  |      |
| *505.11.40.100                                       | BT 50 | AD   | 40 | 100 | 88  | -    | -   | 27 | 6,91  |      |
| *506.11.40.100                                       | BT 50 | AD/B | 40 | 100 | 88  | -    | -   | 27 | 6,77  |      |
| *505.11.40.130                                       | BT 50 | AD   | 40 | 130 | 88  | -    | -   | 27 | 8,33  |      |
| *506.11.40.130                                       | BT 50 | AD/B | 40 | 130 | 88  | -    | -   | 27 | 8,17  |      |
| *505.11.40.160                                       | BT 50 | AD   | 40 | 160 | 88  | 94,5 | 88  | 27 | 9,97  |      |
| *506.11.40.160                                       | BT 50 | AD/B | 40 | 160 | 88  | 94,5 | 88  | 27 | 9,78  |      |
| *505.11.40.200                                       | BT 50 | AD   | 40 | 200 | 88  | 95,5 | 120 | 27 | 11,93 |      |
| <b>new</b> *506.11.40.200                            | BT 50 | AD/B | 40 | 200 | 88  | 95,5 | 120 | 27 | 11,92 |      |
| *505.11.60.80                                        | BT 50 | AD   | 60 | 80  | 128 | -    | -   | 40 | 8,02  |      |
| *506.11.60.80                                        | BT 50 | AD/B | 60 | 80  | 128 | -    | -   | 40 | 7,89  |      |



\* d=Ø 40 (M12) \* d=Ø 60 (M16)

Mit zusätzlichen 4 Gewindebohrungen nach DIN 2079  
With additional 4 screws holes in compliance with DIN 2079  
Avec 4 trous taraudés supplémentaires d'après DIN 2079  
DIN 2079 'a uygun ilave 4 vida bağlantılı

### Zubehör / Accessories / Accessoires / Yedekler

DIN 6367



10.45

Fräseranzugsschrauben  
Drawn in bolt  
Vis de serrage  
Alın sıkma civatası



10.44

Mitnehmersteine  
Drive keys  
Entraîneur  
Kama

DIN 6368



10.46

Spannschlüssel für Aufsteckdorne  
Wrench  
Clé de serrage  
Alın civatası sıkma anahtarı

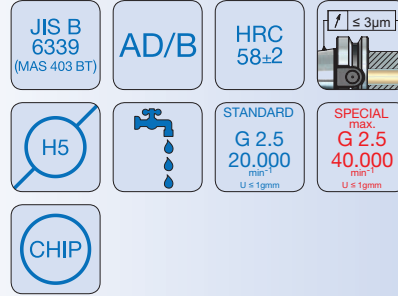


## Fräseraufnahmen für Einschraubfräser

### Milling Cutter Arbors for Screw-on type Milling Cutters

### Axes Coupeur Fraisage Pour Vis-Sur Type Coupeurs de Fraisage

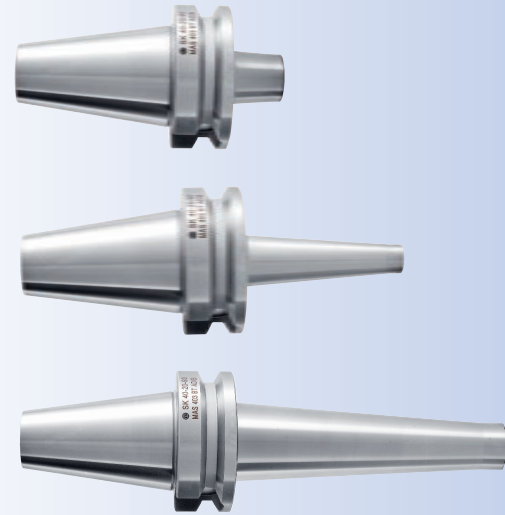
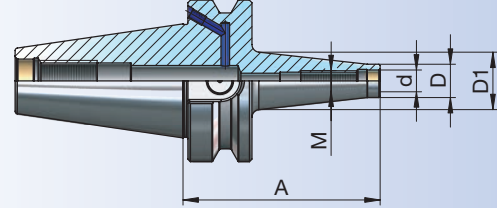
### Vidalı tip frezeler için takım tutucular



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | M   | A   | d    | D  | D1   | Kg   | Euro |
|------------------------------------------------------|-------|------|-----|-----|------|----|------|------|------|
| 406.12.06.52                                         | BT 40 | AD/B | M6  | 52  | 6,5  | 10 | 13   | 0,96 |      |
| 406.12.06.77                                         | BT 40 | AD/B | M6  | 77  | 6,5  | 10 | 19,5 | 1,00 |      |
| 406.12.06.102                                        | BT 40 | AD/B | M6  | 102 | 6,5  | 10 | 22,5 | 1,05 |      |
| 406.12.08.52                                         | BT 40 | AD/B | M8  | 52  | 8,5  | 13 | 15   | 0,96 |      |
| 406.12.08.77                                         | BT 40 | AD/B | M8  | 77  | 8,5  | 13 | 22,5 | 1,02 |      |
| 406.12.08.102                                        | BT 40 | AD/B | M8  | 102 | 8,5  | 13 | 23   | 1,07 |      |
| 406.12.08.127                                        | BT 40 | AD/B | M8  | 127 | 8,5  | 13 | 25   | 1,14 |      |
| 406.12.10.32                                         | BT 40 | AD/B | M10 | 32  | 10,5 | 18 | -    | 0,97 |      |
| 406.12.10.52                                         | BT 40 | AD/B | M10 | 52  | 10,5 | 18 | 20   | 0,98 |      |
| 406.12.10.77                                         | BT 40 | AD/B | M10 | 77  | 10,5 | 18 | 23   | 1,05 |      |
| 406.12.10.102                                        | BT 40 | AD/B | M10 | 102 | 10,5 | 18 | 28   | 1,16 |      |
| 406.12.10.127                                        | BT 40 | AD/B | M10 | 127 | 10,5 | 18 | 32   | 1,29 |      |
| 406.12.10.177                                        | BT 40 | AD/B | M10 | 177 | 10,5 | 18 | 36   | 1,60 |      |
| 406.12.12.32                                         | BT 40 | AD/B | M12 | 32  | 12,5 | 21 | -    | 0,96 |      |
| 406.12.12.52                                         | BT 40 | AD/B | M12 | 52  | 12,5 | 21 | 24   | 1,00 |      |
| 406.12.12.77                                         | BT 40 | AD/B | M12 | 77  | 12,5 | 21 | 24   | 1,06 |      |
| 406.12.12.102                                        | BT 40 | AD/B | M12 | 102 | 12,5 | 21 | 31   | 1,21 |      |
| 406.12.12.127                                        | BT 40 | AD/B | M12 | 127 | 12,5 | 21 | 32,5 | 1,35 |      |
| 406.12.12.152                                        | BT 40 | AD/B | M12 | 152 | 12,5 | 21 | 35,5 | 1,52 |      |
| 406.12.12.177                                        | BT 40 | AD/B | M12 | 177 | 12,5 | 21 | 39,5 | 1,76 |      |
| 406.12.16.32                                         | BT 40 | AD/B | M16 | 32  | 17   | 29 | -    | 0,94 |      |
| 406.12.16.52                                         | BT 40 | AD/B | M16 | 52  | 17   | 29 | -    | 1,03 |      |
| 406.12.16.77                                         | BT 40 | AD/B | M16 | 77  | 17   | 29 | 34   | 1,18 |      |
| 406.12.16.102                                        | BT 40 | AD/B | M16 | 102 | 17   | 29 | 34   | 1,33 |      |
| 406.12.16.127                                        | BT 40 | AD/B | M16 | 127 | 17   | 29 | 36   | 1,52 |      |
| 406.12.16.152                                        | BT 40 | AD/B | M16 | 152 | 17   | 29 | 40   | 1,78 |      |
| 406.12.16.177                                        | BT 40 | AD/B | M16 | 177 | 17   | 29 | 42,5 | 2,04 |      |

FORM AD/B



Empfohlene Anzugsmomente  
Recommended tightening torques  
Torques de serrage recommandés  
Önerilen sıkma torku

|     |       |
|-----|-------|
| M6  | 10 Nm |
| M8  | 25 Nm |
| M10 | 40 Nm |
| M12 | 60 Nm |
| M16 | 80 Nm |

### Zubehör / Accessories / Accessoires / Yedekler



Verlängerungen für Einschraubfräser  
Extensions for milling cutter arbors  
Extension pour vis - sur - type coupeurs de fraisage  
Vidalı tip frezeler için ara adaptör



Reduzierungen für Einschraubfräser  
Reducing for milling cutter arbors  
Extension pour vis - sur - type coupeurs de fraisage  
Vidalı tip frezeler için ara adaptör

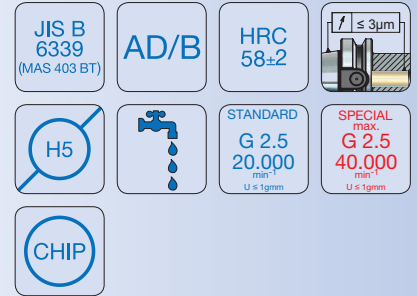


## Fräseraufnahmen für Einschraubfräser

### Milling Cutter Arbors for Screw-on type Milling Cutters

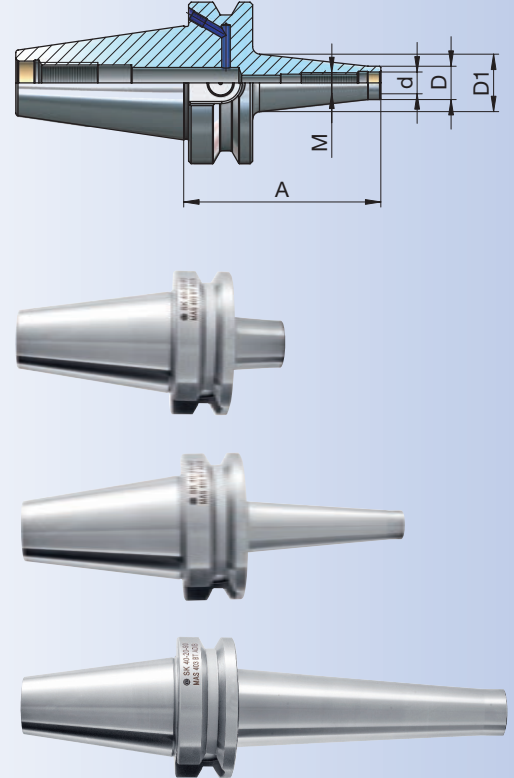
### Axes Coupeur Fraisage Pour Vis-Sur Type Coupeurs de Fraisage

### Vidalı tip frezeler için takım tutucular



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | M   | A   | d    | D  | D1   | Kg   | Euro |
|------------------------------------------------------|-------|------|-----|-----|------|----|------|------|------|
| 506.12.08.88                                         | BT 50 | AD/B | M8  | 88  | 8,5  | 13 | 22,5 | 3,66 |      |
| 506.12.08.138                                        | BT 50 | AD/B | M8  | 138 | 8,5  | 13 | 24,5 | 3,78 |      |
| 506.12.08.188                                        | BT 50 | AD/B | M8  | 188 | 8,5  | 13 | 29,5 | 3,97 |      |
| 506.12.10.88                                         | BT 50 | AD/B | M10 | 88  | 10,5 | 18 | 23   | 3,68 |      |
| 506.12.10.138                                        | BT 50 | AD/B | M10 | 138 | 10,5 | 18 | 31,5 | 3,92 |      |
| 506.12.10.188                                        | BT 50 | AD/B | M10 | 188 | 10,5 | 18 | 36   | 4,15 |      |
| 506.12.12.88                                         | BT 50 | AD/B | M12 | 88  | 12,5 | 21 | 24   | 3,70 |      |
| 506.12.12.138                                        | BT 50 | AD/B | M12 | 138 | 12,5 | 21 | 32,5 | 3,97 |      |
| 506.12.12.188                                        | BT 50 | AD/B | M12 | 188 | 12,5 | 21 | 39,5 | 4,38 |      |
| 506.12.16.88                                         | BT 50 | AD/B | M16 | 88  | 17   | 29 | 34   | 3,82 |      |
| 506.12.16.138                                        | BT 50 | AD/B | M16 | 138 | 17   | 29 | 36   | 4,15 |      |
| 506.12.16.188                                        | BT 50 | AD/B | M16 | 188 | 17   | 29 | 42   | 4,66 |      |

FORM AD/B



#### Empfohlene Anzugsmomente Recommended tightening torques Torques de serrage recommandés Önerilen sıkma torku

|     |       |
|-----|-------|
| M6  | 10 Nm |
| M8  | 25 Nm |
| M10 | 40 Nm |
| M12 | 60 Nm |
| M16 | 80 Nm |

### Zubehör / Accessories / Accessoires / Yedekler



Verlängerungen für Einschraubfräser  
Extensions for milling cutter arbors  
Extension pour vis-sur type coupeurs de fraisage  
Vidalı tip frezeler için ara adaptör



Reduzierungen für Einschraubfräser  
Reducing for milling cutter arbors  
Extension pour vis-sur type coupeurs de fraisage  
Vidalı tip frezeler için ara adaptör

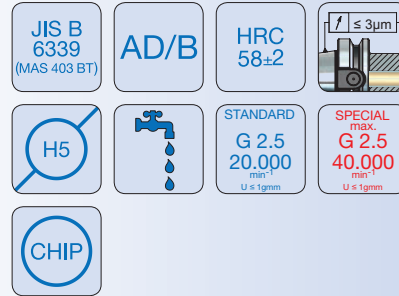
## Fräseraufnahmen für Einschraubfräser, schlanke Ausführung



Milling Cutter Arbors for Screw-on type Milling Cutters,  
slimline design

Axes Coupeur Fraisage Pour Vis-Sur Type Coupeurs de Fraisage,  
design mince

Vidalı tip frezeler için takım tutucular, ince cidarlı

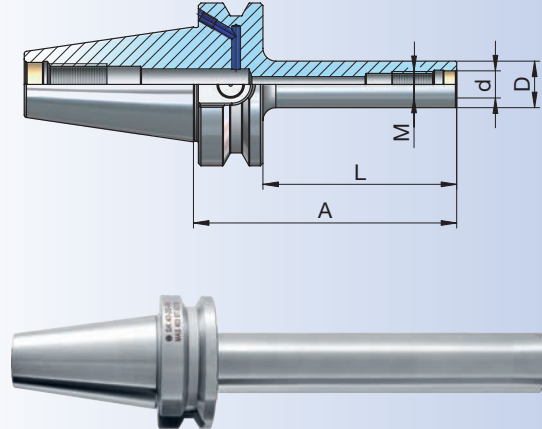


JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | M   | A   | d    | D  | L   | Kg   | Euro |
|------------------------------------------------------|-------|------|-----|-----|------|----|-----|------|------|
| 406.12.10.102.S                                      | BT 40 | AD/B | M10 | 102 | 10,5 | 18 | 75  | 1,07 |      |
| 406.12.10.127.S                                      | BT 40 | AD/B | M10 | 127 | 10,5 | 18 | 100 | 1,11 |      |
| 406.12.10.177.S                                      | BT 40 | AD/B | M10 | 177 | 10,5 | 18 | 150 | 1,21 |      |
| 406.12.12.102.S                                      | BT 40 | AD/B | M12 | 102 | 12,5 | 21 | 75  | 1,11 |      |
| 406.12.12.127.S                                      | BT 40 | AD/B | M12 | 127 | 12,5 | 21 | 100 | 1,17 |      |
| 406.12.12.152.S                                      | BT 40 | AD/B | M12 | 152 | 12,5 | 21 | 125 | 1,24 |      |
| 406.12.12.177.S                                      | BT 40 | AD/B | M12 | 177 | 12,5 | 21 | 150 | 1,31 |      |
| 406.12.16.102.S                                      | BT 40 | AD/B | M16 | 102 | 17   | 29 | 75  | 1,27 |      |
| 406.12.16.127.S                                      | BT 40 | AD/B | M16 | 127 | 17   | 29 | 100 | 1,39 |      |
| 406.12.16.152.S                                      | BT 40 | AD/B | M16 | 152 | 17   | 29 | 125 | 1,52 |      |
| 406.12.16.177.S                                      | BT 40 | AD/B | M16 | 177 | 17   | 29 | 150 | 1,64 |      |

|                 |       |      |     |     |      |    |     |      |  |
|-----------------|-------|------|-----|-----|------|----|-----|------|--|
| 506.12.10.138.S | BT 50 | AD/B | M10 | 138 | 10,5 | 18 | 100 | 3,76 |  |
| 506.12.10.188.S | BT 50 | AD/B | M10 | 188 | 10,5 | 18 | 150 | 3,84 |  |
| 506.12.12.138.S | BT 50 | AD/B | M12 | 138 | 12,5 | 21 | 100 | 3,82 |  |
| 506.12.12.188.S | BT 50 | AD/B | M12 | 188 | 12,5 | 21 | 150 | 3,94 |  |
| 506.12.16.138.S | BT 50 | AD/B | M16 | 138 | 17   | 29 | 100 | 4,04 |  |
| 506.12.16.188.S | BT 50 | AD/B | M16 | 188 | 17   | 29 | 150 | 4,29 |  |

FORM AD/B



Empfohlene Anzugsmomente  
Recommended tightening torques  
Torques de serrage recommandés  
Önerilen sıkma torku

|     |       |
|-----|-------|
| M6  | 10 Nm |
| M8  | 25 Nm |
| M10 | 40 Nm |
| M12 | 60 Nm |
| M16 | 80 Nm |

## Zubehör / Accessories / Accessoires / Yedekler



Verlängerungen für Einschraubfräser  
Extensions for milling cutter arbors  
Extension pour - sur - type coupeurs de fraisage  
Vidalı tip frezeler için ara adaptör



Reduzierungen für Einschraubfräser  
Reducing for milling cutter arbors  
Extension pour vis - sur - type coupeurs de fraisage  
Vidalı tip frezeler için ara adaptör

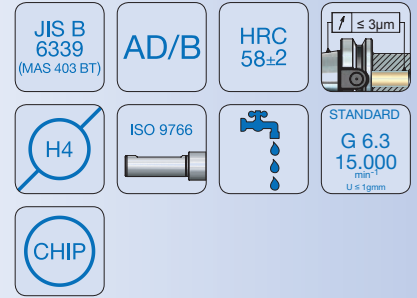


## Bohrerhalter für Wendepplattenbohrer E1

Boring holder for drill with indexable insert form E1

Porte foret pour foret à plaquettes réversible forme E1

Takma uçlu drill tutucu E1 Formu



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|----|------|------|
| 406.51.20.72                                         | BT 40 | AD/B | 20 | 72  | 40 | 54 | 1,24 |      |
| 406.51.25.76                                         | BT 40 | AD/B | 25 | 76  | 45 | 62 | 1,31 |      |
| •406.51.32.80                                        | BT 40 | AD/B | 32 | 80  | 52 | 67 | 1,38 |      |
| 406.51.40.100                                        | BT 40 | AD/B | 40 | 100 | 63 | 73 | 1,78 |      |
| 506.51.20.90                                         | BT 50 | AD/B | 20 | 90  | 40 | 54 | 3,80 |      |
| 506.51.25.90                                         | BT 50 | AD/B | 25 | 90  | 45 | 59 | 3,85 |      |
| 506.51.32.90                                         | BT 50 | AD/B | 32 | 90  | 52 | 70 | 3,91 |      |
| 506.51.40.100                                        | BT 50 | AD/B | 40 | 100 | 63 | 80 | 4,04 |      |

### Zubehör / Accessories / Accessoires / Yedekler

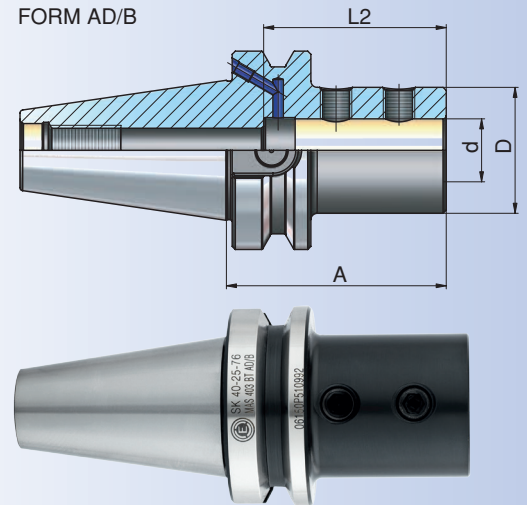
DIN 913



Spannschrauben  
Clamping screw  
Vis de serrage  
Sıkma civatası

10.39 - 10.40

FORM AD/B



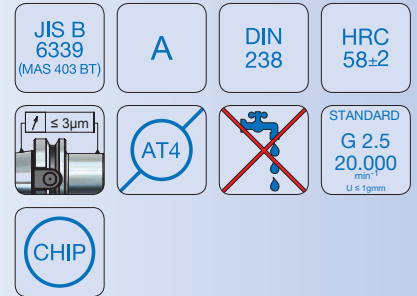
- Technisch gibt es keinen Chip.
- Technically there is no chip hole.
- Techniquement, il n'y a pas de puce.
- Teknik açıdan çip deliği bulunmamaktadır.

## Bohrfutteraufnahme

Drill chuck adaptor

Arbre pour mandrin de perçage

Mandren malafası



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | D1  | A  | L1   | Kg   | Euro |
|------------------------------------------------------|-------|------|-----|----|------|------|------|
| 305.14.12.27                                         | BT 30 | A    | B12 | 27 | 18,5 | 0,41 |      |
| 305.14.16.29                                         | BT 30 | A    | B16 | 29 | 24   | 0,43 |      |
| 405.14.12.32                                         | BT 40 | A    | B12 | 32 | 18,5 | 1,00 |      |
| 405.14.16.34                                         | BT 40 | A    | B16 | 34 | 24   | 1,03 |      |
| 405.14.18.34                                         | BT 40 | A    | B18 | 34 | 32   | 1,05 |      |
| 505.14.16.45                                         | BT 50 | A    | B16 | 45 | 24   | 3,70 |      |
| 505.14.18.45                                         | BT 50 | A    | B18 | 45 | 32   | 3,72 |      |

### Zubehör / Accessories / Accessoires / Yedekler

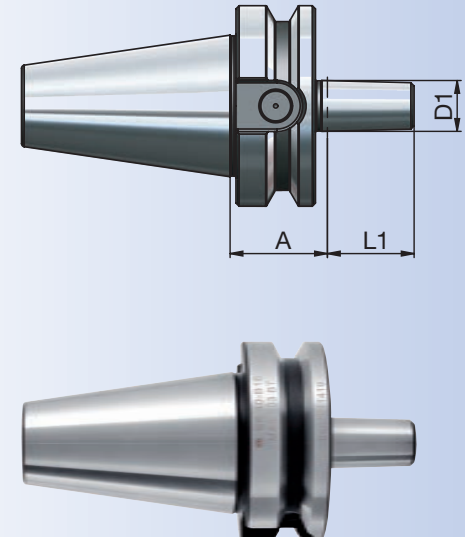


Bohrfutter  
Drill chuck  
Mandrin de perçage à serrage rapide  
Mandren

10.49

2.38

FORM A

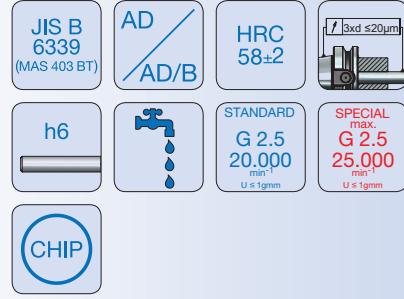


## NC - Bohrfutter für Rechts - und Linkslauf

### NC-Drill chucks for left and right rotation

### Mandrin de perçage CNC pour rotation gauche-droite

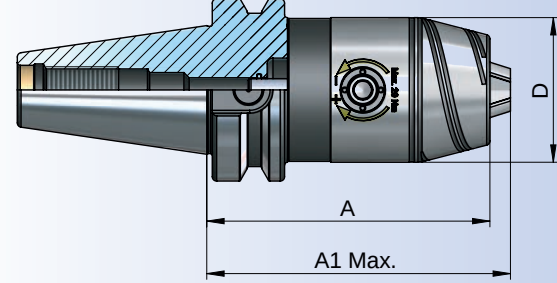
### NC tipi mandren malafası komple sağ ve sol dönüşlü



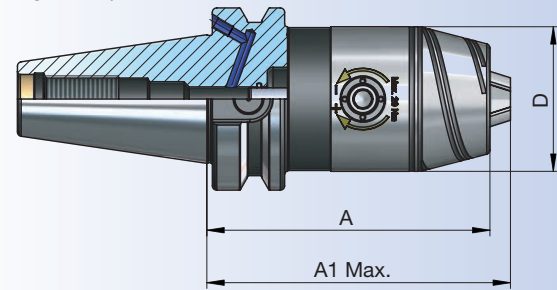
JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | A   | D  | A1<br>Max. | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|-----|----|------------|------|------|
| 305.15.08.73                                         | BT 30 | AD   | 0,5 - 8                                          | 73  | 36 | 76         | 0,70 |      |
| 305.15.13.100                                        | BT 30 | AD   | 1,0 - 13                                         | 100 | 50 | 108        | 1,29 |      |
| 405.15.08.78                                         | BT 40 | AD   | 0,5 - 8                                          | 78  | 36 | 81         | 1,30 |      |
| 406.15.08.78                                         | BT 40 | AD/B | 0,5 - 8                                          | 78  | 36 | 81         | 1,27 |      |
| 405.15.13.98                                         | BT 40 | AD   | 1,0 - 13                                         | 98  | 50 | 116        | 1,83 |      |
| 406.15.13.98                                         | BT 40 | AD/B | 1,0 - 13                                         | 98  | 50 | 116        | 1,76 |      |
| 405.15.16.103                                        | BT 40 | AD   | 3,0 - 16                                         | 103 | 57 | 108        | 2,05 |      |
| 406.15.16.103                                        | BT 40 | AD/B | 3,0 - 16                                         | 103 | 57 | 108        | 2,00 |      |
| 505.15.13.110                                        | BT 50 | AD   | 1,0 - 13                                         | 110 | 50 | 118        | 4,61 |      |
| 506.15.13.110                                        | BT 50 | AD/B | 1,0 - 13                                         | 110 | 50 | 118        | 4,51 |      |
| 505.15.16.115                                        | BT 50 | AD   | 3,0 - 16                                         | 115 | 57 | 120        | 4,93 |      |
| 506.15.16.115                                        | BT 50 | AD/B | 3,0 - 16                                         | 115 | 57 | 120        | 4,75 |      |

FORM AD



FORM AD/B



### Zubehör / Accessories / Accessoires / Yedekler



10.55-10.57

Ersatzteile  
Spare Parts  
Pièce de rechange  
Yedek parçalar



10.49

Spannschlüssel  
Wrench  
Clé de serrage  
Sıkma anahtarı



11.06



## Gewindeschneid - Schnellwechselfutter mit Längenausgleich auf Druck und Zug

### Quick-change tapping chucks with length compensation

### Appareil à tarauder avec compensation longitudinale

### Kılavuz çekme başlığı giriş ve çıkış kompanzeli

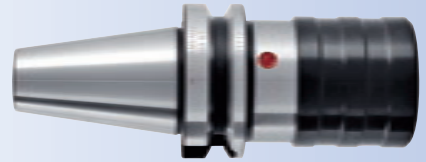
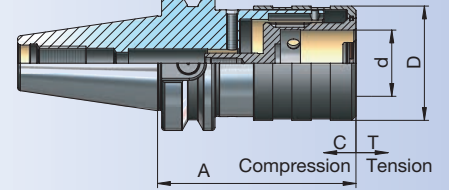
JIS B  
6339  
(MAS 403 BT)

A

HRC  
58±2



FORM A



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | d  | A   | D    | C    | T    | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|----|-----|------|------|------|------|------|
| 305.16.12.64                                         | BT 30 | A    | M2-M14                                           | 19 | 64  | 36,5 | 7    | 7    | 0,58 |      |
| 305.16.20.95                                         | BT 30 | A    | M5-M24                                           | 31 | 95  | 53,5 | 12   | 12   | 1,17 |      |
| 405.16.12.67                                         | BT 40 | A    | M2-M14                                           | 19 | 67  | 36,5 | 7    | 7    | 1,14 |      |
| 405.16.20.93                                         | BT 40 | A    | M5-M24                                           | 31 | 93  | 53,5 | 12   | 12   | 1,65 |      |
| 405.16.36.136                                        | BT 40 | A    | M14-M36                                          | 48 | 136 | 78   | 20   | 20   | 3,23 |      |
| 505.16.12.82                                         | BT 50 | A    | M2-M14                                           | 19 | 82  | 36,5 | 7    | 7    | 3,69 |      |
| 505.16.20.100                                        | BT 50 | A    | M5-M24                                           | 31 | 100 | 53,5 | 12   | 12   | 4,14 |      |
| 505.16.36.142                                        | BT 50 | A    | M14-M36                                          | 48 | 142 | 78   | 17,5 | 17,5 | 5,72 |      |

Ausführung : Mit Kugelführungsbuchse

Version : With ball retainer

Version : Comprenant douille de glissière à bille

Teknik özelliği : Bilya Kafesli

## Gewindeschneid - Schnellwechselfutter ohne Längenausgleich auf Druck und Zug

### Quick-change tapping chucks without length compensation

### Appareil à tarauder sans compensation longitudinale

### Kılavuz çekme başlığı sabit

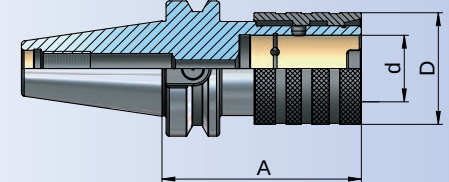
JIS B  
6339  
(MAS 403 BT)

A

HRC  
58±2



FORM A



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | d  | A    | D  | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|----|------|----|------|------|
| 305.16.12.1.65                                       | BT 30 | A    | M2-M14                                           | 19 | 65   | 38 | 0,60 |      |
| 305.16.20.1.80                                       | BT 30 | A    | M5-M24                                           | 31 | 80   | 52 | 0,96 |      |
| 405.16.12.1.67                                       | BT 40 | A    | M2-M14                                           | 19 | 67,5 | 38 | 1,24 |      |
| 405.16.20.1.93                                       | BT 40 | A    | M5-M24                                           | 31 | 93   | 52 | 1,59 |      |
| 405.16.36.1.126                                      | BT 40 | A    | M14-M36                                          | 48 | 126  | 78 | 3,23 |      |
| 505.16.12.1.80                                       | BT 50 | A    | M2-M14                                           | 19 | 80   | 38 | 4,00 |      |
| 505.16.20.1.100                                      | BT 50 | A    | M5-M24                                           | 31 | 100  | 52 | 4,11 |      |
| 505.16.36.1.142                                      | BT 50 | A    | M14-M36                                          | 48 | 142  | 78 | 5,93 |      |

### Zubehör / Accessories / Accessoires / Yedekler



10.34 - 10.36

Schnellwechseleinsätze  
Tapping collets  
Douilles de taraudage  
Kılavuz tutucu



## Rohlinge zur Anfertigung von Sonderwerkzeugen



### Boring bar blanks for the production of special tools

### Barre d'alésage pour la fabrication d'outils spéciaux

### Özel takım yapma amaçlı yarı mamul

JIS B  
6339  
(MAS 403 BT)

A

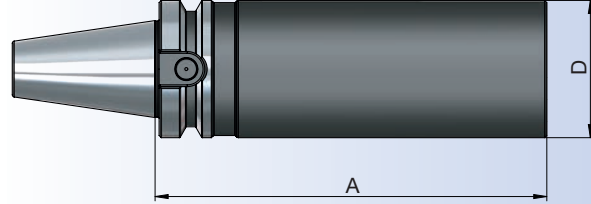
HRC  
52±2



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | D  | A   | Kg    | Euro |
|------------------------------------------------------|-------|------|----|-----|-------|------|
| 405.17.63.250                                        | BT 40 | A    | 63 | 250 | 6,38  |      |
| 505.17.97.315                                        | BT 50 | A    | 97 | 315 | 19,61 |      |

FORM A



- Ausführung : Steilkegel und Bund gehärtet ( $52 \pm 2$  HRC) und geschliffen, Schaft weich zur weiteren Bearbeitung.
- Version : Cone and flange hardened ( $52 \pm 2$  HRC) and grinded. Soft body for later processing.
- Version : Cône et collerette durcir ( $52 \pm 2$  HRC) et rectifiés. Corps doux pour un usinage ultérieur.
- Teknik özelliği : Konik ve Flanş kısmı sertleştirilmiş ( $52 \pm 2$  HRC) ve taşlanmıştır. Bara kısmı işlenebilir yumuşaklıktadır.

## Kontrolldorne

### Test arbors

### Mandrins de contrôle

### Fener mili kontrol mastarı

JIS B  
6339  
(MAS 403 BT)

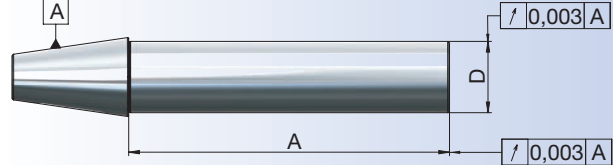
A

HRC  
58±2



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | D  | A   | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|------|------|
| 305.18.32.200                                        | BT 30 | A    | 32 | 200 | 1,41 |      |
| 405.18.40.300                                        | BT 40 | A    | 40 | 300 | 3,38 |      |
| 505.18.50.300                                        | BT 50 | A    | 50 | 300 | 6,33 |      |

FORM A



- Verwendung : Zur Abnahme von Werkzeugmaschinen gemäß ISO-Empfehlung R230
- Application : For acceptance tests of machine tools in accordance with ISO-recommendation R230
- Application : Pour la recette technique des machines conforme recommandation ISO R230
- Açıklama : Tezgahları devreye alırken ISO Normu R230 sisteminde uygunluğunu kontrol etmek için

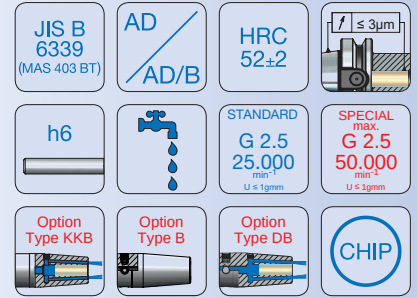


## Schrumpffutter zum Spannen von HM Werkzeugschäften

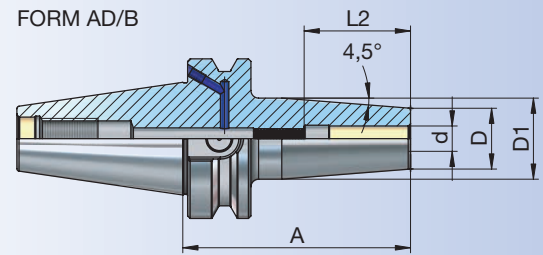
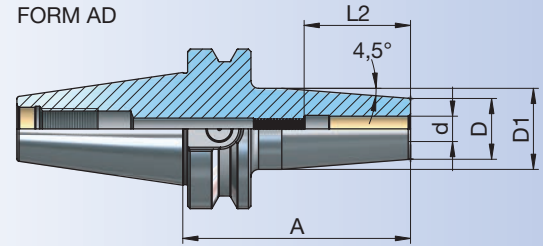
Shrink chuck for mounting of solid carbide cutters

Mandrin de frettage pour le serrage des queue d'outils carbure

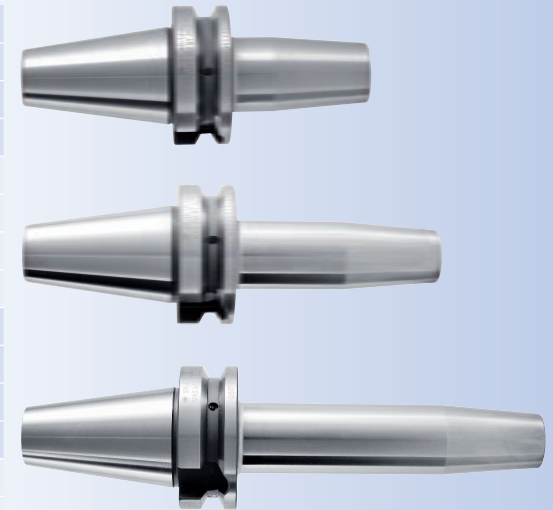
Isıtmalı takım tutucular şaftı karbür olan takımlar için



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A  | D  | D1 | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|----|----|----|----|------|------|
| 305.25.03.80                                         | BT 30 | AD   | 3  | 80 | 10 | 16 | 14 | 0,44 |      |
| 305.25.04.80                                         | BT 30 | AD   | 4  | 80 | 12 | 20 | 17 | 0,47 |      |
| 305.25.05.80                                         | BT 30 | AD   | 5  | 80 | 12 | 21 | 20 | 0,47 |      |
| 305.25.06.80                                         | BT 30 | AD   | 6  | 80 | 21 | 27 | 36 | 0,59 |      |
| 305.25.08.80                                         | BT 30 | AD   | 8  | 80 | 21 | 27 | 36 | 0,58 |      |
| 305.25.10.80                                         | BT 30 | AD   | 10 | 80 | 24 | 32 | 42 | 0,64 |      |
| 305.25.12.80                                         | BT 30 | AD   | 12 | 80 | 24 | 32 | 47 | 0,62 |      |
| 305.25.14.80                                         | BT 30 | AD   | 14 | 80 | 27 | 34 | 47 | 0,67 |      |
| 305.25.16.80                                         | BT 30 | AD   | 16 | 80 | 27 | 34 | 50 | 0,64 |      |
| 305.25.18.80                                         | BT 30 | AD   | 18 | 80 | 33 | 42 | 50 | 0,78 |      |
| 305.25.20.80                                         | BT 30 | AD   | 20 | 80 | 33 | 42 | 52 | 0,74 |      |



|                           |       |      |   |     |    |      |    |      |  |
|---------------------------|-------|------|---|-----|----|------|----|------|--|
| 406.25.03.90              | BT 40 | AD/B | 3 | 90  | 10 | 16   | 14 | 1,05 |  |
| *406.25.03.120            | BT 40 | AD/B | 3 | 120 | 10 | 16   | 14 | 1,06 |  |
| *406.25.03.160            | BT 40 | AD/B | 3 | 160 | 10 | 16   | 14 | 1,11 |  |
| <b>new</b> *406.25.03.200 | BT 40 | AD/B | 3 | 200 | 10 | 16   | 14 | 1,17 |  |
| 406.25.04.90              | BT 40 | AD/B | 4 | 90  | 12 | 20   | 17 | 1,04 |  |
| *406.25.04.120            | BT 40 | AD/B | 4 | 120 | 12 | 20   | 17 | 1,12 |  |
| *406.25.04.160            | BT 40 | AD/B | 4 | 160 | 12 | 20   | 17 | 1,21 |  |
| <b>new</b> *406.25.04.200 | BT 40 | AD/B | 4 | 200 | 12 | 20   | 17 | 1,30 |  |
| 406.25.05.90              | BT 40 | AD/B | 5 | 90  | 12 | 21,5 | 20 | 1,04 |  |
| *406.25.05.120            | BT 40 | AD/B | 5 | 120 | 12 | 22   | 20 | 1,13 |  |
| *406.25.05.160            | BT 40 | AD/B | 5 | 160 | 12 | 22   | 20 | 1,24 |  |
| <b>new</b> *406.25.05.200 | BT 40 | AD/B | 5 | 200 | 12 | 22   | 20 | 1,34 |  |
| 406.25.06.90              | BT 40 | AD/B | 6 | 90  | 21 | 27   | 36 | 1,19 |  |
| 406.25.06.120             | BT 40 | AD/B | 6 | 120 | 21 | 27   | 36 | 1,31 |  |
| 406.25.06.160             | BT 40 | AD/B | 6 | 160 | 21 | 27   | 36 | 1,48 |  |
| <b>new</b> 406.25.06.200  | BT 40 | AD/B | 6 | 200 | 21 | 27   | 36 | 1,64 |  |
| 406.25.08.90              | BT 40 | AD/B | 8 | 90  | 21 | 27   | 36 | 1,19 |  |
| 406.25.08.120             | BT 40 | AD/B | 8 | 120 | 21 | 27   | 36 | 1,31 |  |
| 406.25.08.160             | BT 40 | AD/B | 8 | 160 | 21 | 27   | 36 | 1,47 |  |
| <b>new</b> 406.25.08.200  | BT 40 | AD/B | 8 | 200 | 21 | 27   | 36 | 1,65 |  |



\* Einstellschraube nicht enthalten  
 \* Does not include adjusting screw  
 \* Ne comprend pas la vis de réglage  
 \* Dayama civatası içermez

## Zubehör / Accessories / Accessoires / Yedekler

DIN 916



10.41-10.43

Einstellschraube  
 Adjusting screw  
 Vis de réglage  
 Dayama civatası



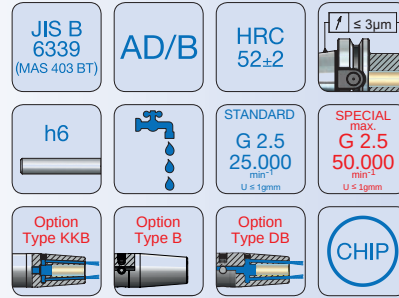
11.08

## Schrumpffutter zum Spannen von HM Werkzeugschäften

Shrink chuck for mounting of solid carbide cutters

Mandrin de frettage pour le serrage des queue d'outils carbure

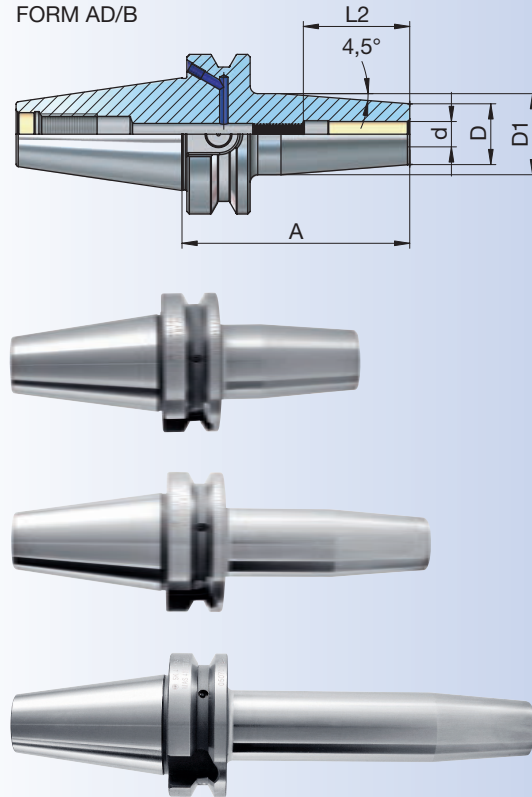
Isıtmalı takım tutucular şaftı karbür olan takımlar için



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1 | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|----|----|------|------|
| 406.25.10.90                                         | BT 40 | AD/B | 10 | 90  | 24 | 32 | 42 | 1,25 |      |
| 406.25.10.120                                        | BT 40 | AD/B | 10 | 120 | 24 | 32 | 42 | 1,43 |      |
| 406.25.10.160                                        | BT 40 | AD/B | 10 | 160 | 24 | 32 | 42 | 1,66 |      |
| <b>new</b> 406.25.10.200                             | BT 40 | AD/B | 10 | 200 | 24 | 32 | 42 | 1,90 |      |
| 406.25.12.90                                         | BT 40 | AD/B | 12 | 90  | 24 | 32 | 47 | 1,22 |      |
| 406.25.12.120                                        | BT 40 | AD/B | 12 | 120 | 24 | 32 | 47 | 1,38 |      |
| 406.25.12.160                                        | BT 40 | AD/B | 12 | 160 | 24 | 32 | 47 | 1,60 |      |
| <b>new</b> 406.25.12.200                             | BT 40 | AD/B | 12 | 200 | 24 | 32 | 47 | 1,82 |      |
| 406.25.14.90                                         | BT 40 | AD/B | 14 | 90  | 27 | 34 | 47 | 1,27 |      |
| 406.25.14.120                                        | BT 40 | AD/B | 14 | 120 | 27 | 34 | 47 | 1,45 |      |
| 406.25.14.160                                        | BT 40 | AD/B | 14 | 160 | 27 | 34 | 47 | 1,71 |      |
| <b>new</b> 406.25.14.200                             | BT 40 | AD/B | 14 | 200 | 27 | 34 | 47 | 1,95 |      |
| 406.25.16.90                                         | BT 40 | AD/B | 16 | 90  | 27 | 34 | 50 | 1,25 |      |
| 406.25.16.120                                        | BT 40 | AD/B | 16 | 120 | 27 | 34 | 50 | 1,43 |      |
| 406.25.16.160                                        | BT 40 | AD/B | 16 | 160 | 27 | 34 | 50 | 1,69 |      |
| <b>new</b> 406.25.16.200                             | BT 40 | AD/B | 16 | 200 | 27 | 34 | 50 | 1,93 |      |
| 406.25.18.90                                         | BT 40 | AD/B | 18 | 90  | 33 | 42 | 50 | 1,40 |      |
| 406.25.18.120                                        | BT 40 | AD/B | 18 | 120 | 33 | 42 | 50 | 1,70 |      |
| 406.25.18.160                                        | BT 40 | AD/B | 18 | 160 | 33 | 42 | 50 | 2,10 |      |
| <b>new</b> 406.25.18.200                             | BT 40 | AD/B | 18 | 200 | 33 | 42 | 50 | 2,50 |      |
| 406.25.20.90                                         | BT 40 | AD/B | 20 | 90  | 33 | 42 | 52 | 1,37 |      |
| 406.25.20.120                                        | BT 40 | AD/B | 20 | 120 | 33 | 42 | 52 | 1,67 |      |
| 406.25.20.160                                        | BT 40 | AD/B | 20 | 160 | 33 | 42 | 52 | 2,07 |      |
| <b>new</b> 406.25.20.200                             | BT 40 | AD/B | 20 | 200 | 33 | 42 | 52 | 2,47 |      |
| 406.25.25.90                                         | BT 40 | AD/B | 25 | 90  | 44 | 53 | 58 | 1,65 |      |
| 406.25.25.120                                        | BT 40 | AD/B | 25 | 120 | 44 | 53 | 58 | 2,14 |      |
| 406.25.25.160                                        | BT 40 | AD/B | 25 | 160 | 44 | 53 | 58 | 2,80 |      |
| <b>new</b> 406.25.25.200                             | BT 40 | AD/B | 25 | 200 | 44 | 53 | 58 | 3,45 |      |
| 406.25.32.90                                         | BT 40 | AD/B | 32 | 90  | 44 | 53 | 62 | 1,49 |      |
| 406.25.32.120                                        | BT 40 | AD/B | 32 | 120 | 44 | 53 | 62 | 1,98 |      |
| 406.25.32.160                                        | BT 40 | AD/B | 32 | 160 | 44 | 53 | 62 | 2,63 |      |
| <b>new</b> 406.25.32.200                             | BT 40 | AD/B | 32 | 200 | 44 | 53 | 62 | 3,28 |      |

FORM AD/B



## Zubehör / Accessories / Accessoires / Yedekler

DIN 916



10.41-10.43

Einstellschraube  
Adjusting screw  
Vis de réglage  
Dayama civatası



11.08

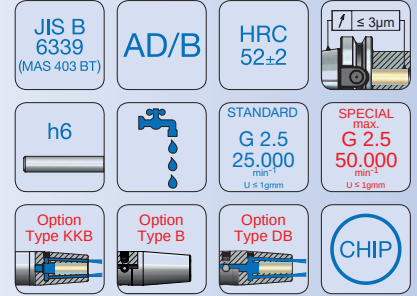


## Schrumpffutter zum Spannen von HM Werkzeugschäften

Shrink chuck for mounting of solid carbide cutters

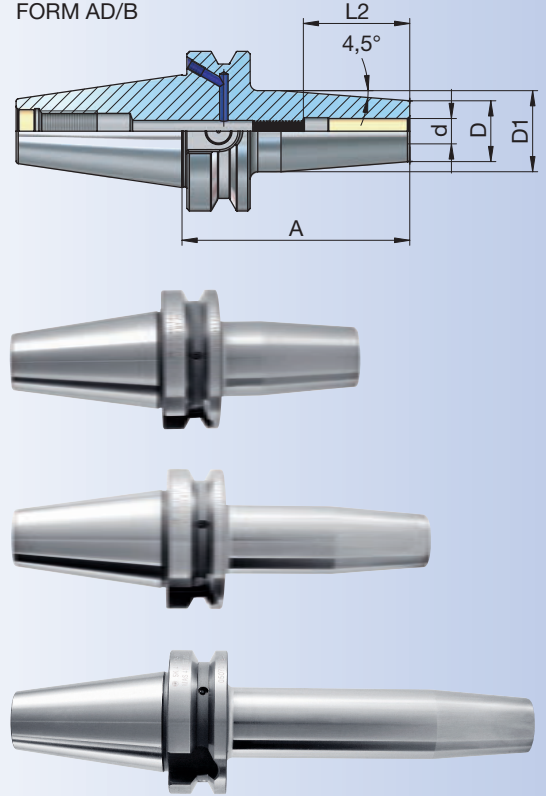
Mandrin de frettage pour le serrage des queue d'outils carbure

İsıtmalı takım tutucular şaftı karbür olan takımlar için



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|----|------|------|
| 506.25.03.100                                        | BT 50 | AD/B | 3  | 100 | 10 | 16   | 14 | 3,64 |      |
| *506.25.03.120                                       | BT 50 | AD/B | 3  | 120 | 10 | 16   | 14 | 3,68 |      |
| *506.25.03.160                                       | BT 50 | AD/B | 3  | 160 | 10 | 16   | 14 | 3,73 |      |
| <b>new</b> *506.25.03.200                            | BT 50 | AD/B | 3  | 200 | 10 | 16   | 14 | 3,79 |      |
| 506.25.04.100                                        | BT 50 | AD/B | 4  | 100 | 12 | 20   | 17 | 3,68 |      |
| *506.25.04.120                                       | BT 50 | AD/B | 4  | 120 | 12 | 20   | 17 | 3,73 |      |
| *506.25.04.160                                       | BT 50 | AD/B | 4  | 160 | 12 | 20   | 17 | 3,82 |      |
| <b>new</b> *506.25.04.200                            | BT 50 | AD/B | 4  | 200 | 12 | 20   | 17 | 3,91 |      |
| 506.25.05.100                                        | BT 50 | AD/B | 5  | 100 | 12 | 21,5 | 20 | 3,68 |      |
| *506.25.05.120                                       | BT 50 | AD/B | 5  | 120 | 12 | 22   | 20 | 3,73 |      |
| *506.25.05.160                                       | BT 50 | AD/B | 5  | 160 | 12 | 22   | 20 | 3,84 |      |
| <b>new</b> *506.25.05.200                            | BT 50 | AD/B | 5  | 200 | 12 | 22   | 20 | 3,95 |      |
| 506.25.06.100                                        | BT 50 | AD/B | 6  | 100 | 21 | 27   | 36 | 3,84 |      |
| 506.25.06.120                                        | BT 50 | AD/B | 6  | 120 | 21 | 27   | 36 | 3,92 |      |
| 506.25.06.160                                        | BT 50 | AD/B | 6  | 160 | 21 | 27   | 36 | 4,08 |      |
| <b>new</b> 506.25.06.200                             | BT 50 | AD/B | 6  | 200 | 21 | 27   | 36 | 4,24 |      |
| 506.25.08.100                                        | BT 50 | AD/B | 8  | 100 | 21 | 27   | 36 | 3,83 |      |
| 506.25.08.120                                        | BT 50 | AD/B | 8  | 120 | 21 | 27   | 36 | 3,91 |      |
| 506.25.08.160                                        | BT 50 | AD/B | 8  | 160 | 21 | 27   | 36 | 4,07 |      |
| <b>new</b> 506.25.08.200                             | BT 50 | AD/B | 8  | 200 | 21 | 27   | 36 | 4,23 |      |
| 506.25.10.100                                        | BT 50 | AD/B | 10 | 100 | 24 | 32   | 42 | 3,86 |      |
| 506.25.10.120                                        | BT 50 | AD/B | 10 | 120 | 24 | 32   | 42 | 4,01 |      |
| 506.25.10.160                                        | BT 50 | AD/B | 10 | 160 | 24 | 32   | 42 | 4,25 |      |
| <b>new</b> 506.25.10.200                             | BT 50 | AD/B | 10 | 200 | 24 | 32   | 42 | 4,50 |      |
| 506.25.12.100                                        | BT 50 | AD/B | 12 | 100 | 24 | 32   | 47 | 3,85 |      |
| 506.25.12.120                                        | BT 50 | AD/B | 12 | 120 | 24 | 32   | 47 | 3,96 |      |
| 506.25.12.160                                        | BT 50 | AD/B | 12 | 160 | 24 | 32   | 47 | 4,18 |      |
| <b>new</b> 506.25.12.200                             | BT 50 | AD/B | 12 | 200 | 24 | 32   | 47 | 4,39 |      |

FORM AD/B



\* Einstellschraube nicht enthalten  
 \* Does not include adjusting screw  
 \* Ne comprend pas la vis de réglage  
 \* Dayama civatası içermez

## Zubehör / Accessories / Accessoires / Yedekler

DIN 916



10.41-10.43

Einstellschraube  
 Adjusting screw  
 Vis de réglage  
 Dayama civatası



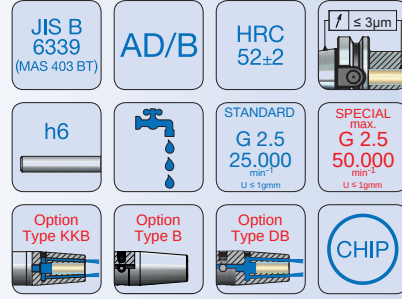
11.08

## Schrumpffutter zum Spannen von HM Werkzeugschäften

Shrink chuck for mounting of solid carbide cutters

Mandrin de frettage pour le serrage des queue d'outils carbure

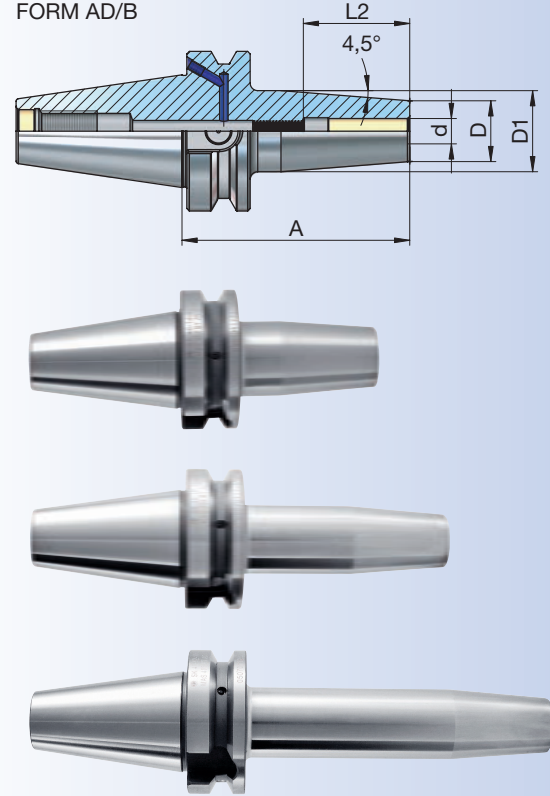
Isıtmalı takım tutucular şaftı karbür olan takımlar için



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1 | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|----|----|------|------|
| 506.25.14.100                                        | BT 50 | AD/B | 14 | 100 | 27 | 34 | 47 | 3,90 |      |
| 506.25.14.120                                        | BT 50 | AD/B | 14 | 120 | 27 | 34 | 47 | 4,02 |      |
| 506.25.14.160                                        | BT 50 | AD/B | 14 | 160 | 27 | 34 | 47 | 4,27 |      |
| <b>new</b> 506.25.14.200                             | BT 50 | AD/B | 14 | 200 | 27 | 34 | 47 | 4,52 |      |
| 506.25.16.100                                        | BT 50 | AD/B | 16 | 100 | 27 | 34 | 50 | 3,88 |      |
| 506.25.16.120                                        | BT 50 | AD/B | 16 | 120 | 27 | 34 | 50 | 4,00 |      |
| 506.25.16.160                                        | BT 50 | AD/B | 16 | 160 | 27 | 34 | 50 | 4,25 |      |
| <b>new</b> 506.25.16.200                             | BT 50 | AD/B | 16 | 200 | 27 | 34 | 50 | 4,50 |      |
| 506.25.18.100                                        | BT 50 | AD/B | 18 | 100 | 33 | 42 | 50 | 4,03 |      |
| 506.25.18.120                                        | BT 50 | AD/B | 18 | 120 | 33 | 42 | 50 | 4,22 |      |
| 506.25.18.160                                        | BT 50 | AD/B | 18 | 160 | 33 | 42 | 50 | 4,63 |      |
| <b>new</b> 506.25.18.200                             | BT 50 | AD/B | 18 | 200 | 33 | 42 | 50 | 5,04 |      |
| 506.25.20.100                                        | BT 50 | AD/B | 20 | 100 | 33 | 42 | 52 | 4,00 |      |
| 506.25.20.120                                        | BT 50 | AD/B | 20 | 120 | 33 | 42 | 52 | 4,20 |      |
| 506.25.20.160                                        | BT 50 | AD/B | 20 | 160 | 33 | 42 | 52 | 4,60 |      |
| <b>new</b> 506.25.20.200                             | BT 50 | AD/B | 20 | 200 | 33 | 42 | 52 | 5,03 |      |
| 506.25.25.110                                        | BT 50 | AD/B | 25 | 110 | 44 | 53 | 58 | 4,44 |      |
| 506.25.25.120                                        | BT 50 | AD/B | 25 | 120 | 44 | 53 | 58 | 4,60 |      |
| 506.25.25.160                                        | BT 50 | AD/B | 25 | 160 | 44 | 53 | 58 | 5,25 |      |
| <b>new</b> 506.25.25.200                             | BT 50 | AD/B | 25 | 200 | 44 | 53 | 58 | 5,91 |      |
| 506.25.32.110                                        | BT 50 | AD/B | 32 | 110 | 44 | 53 | 62 | 4,27 |      |
| 506.25.32.120                                        | BT 50 | AD/B | 32 | 120 | 44 | 53 | 62 | 4,43 |      |
| 506.25.32.160                                        | BT 50 | AD/B | 32 | 160 | 44 | 53 | 62 | 5,09 |      |
| <b>new</b> 506.25.32.200                             | BT 50 | AD/B | 32 | 200 | 44 | 53 | 62 | 5,75 |      |

FORM AD/B



## Zubehör / Accessories / Accessoires / Yedekler

DIN 916



10.41-10.43

Einstellschraube  
Adjusting screw  
Vis de réglage  
Dayama civatası



11.08

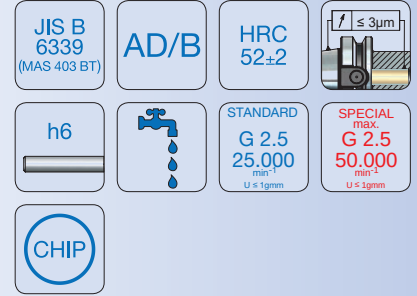


## Schrumpffutter - schlanke Ausführung für HM Werkzeugschäften

Shrink chucks - slimline design for solid carbide cutters

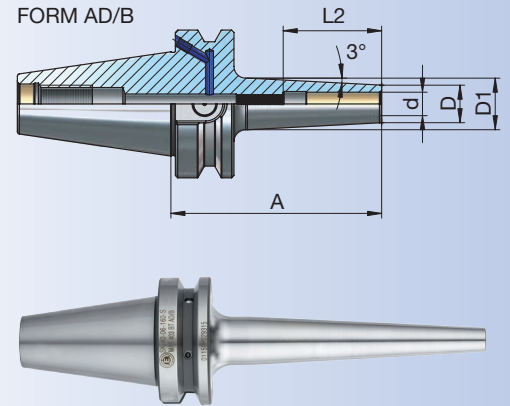
Mandrins de frettage - design mince four queue d'outils carbure

İnce cidarlı ısıtılmalı takım tutucular şaftı karbür olan takımlar için



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1 | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|----|----|------|------|
| 406.25.03.90.S                                       | BT 40 | AD/B | 3  | 90  | 9  | 15 | 14 | 1,00 |      |
| *406.25.03.120.S                                     | BT 40 | AD/B | 3  | 120 | 9  | 18 | 14 | 1,04 |      |
| 406.25.04.90.S                                       | BT 40 | AD/B | 4  | 90  | 10 | 16 | 17 | 1,00 |      |
| *406.25.04.120.S                                     | BT 40 | AD/B | 4  | 120 | 10 | 19 | 17 | 1,06 |      |
| 406.25.05.90.S                                       | BT 40 | AD/B | 5  | 90  | 11 | 17 | 20 | 1,01 |      |
| *406.25.05.120.S                                     | BT 40 | AD/B | 5  | 120 | 11 | 20 | 20 | 1,07 |      |
| 406.25.06.90.S                                       | BT 40 | AD/B | 6  | 90  | 12 | 18 | 36 | 1,04 |      |
| 406.25.06.120.S                                      | BT 40 | AD/B | 6  | 120 | 12 | 21 | 36 | 1,10 |      |
| 406.25.06.160.S                                      | BT 40 | AD/B | 6  | 160 | 12 | 25 | 36 | 1,22 |      |
| 406.25.08.90.S                                       | BT 40 | AD/B | 8  | 90  | 14 | 20 | 36 | 1,06 |      |
| 406.25.08.120.S                                      | BT 40 | AD/B | 8  | 120 | 14 | 23 | 36 | 1,14 |      |
| 406.25.08.160.S                                      | BT 40 | AD/B | 8  | 160 | 14 | 27 | 36 | 1,28 |      |
| 406.25.10.90.S                                       | BT 40 | AD/B | 10 | 90  | 16 | 22 | 42 | 1,08 |      |
| 406.25.10.120.S                                      | BT 40 | AD/B | 10 | 120 | 16 | 25 | 42 | 1,17 |      |
| 406.25.10.160.S                                      | BT 40 | AD/B | 10 | 160 | 16 | 29 | 42 | 1,34 |      |
| 406.25.12.90.S                                       | BT 40 | AD/B | 12 | 90  | 18 | 24 | 47 | 1,08 |      |
| 406.25.12.120.S                                      | BT 40 | AD/B | 12 | 120 | 18 | 27 | 47 | 1,17 |      |
| 406.25.12.160.S                                      | BT 40 | AD/B | 12 | 160 | 18 | 31 | 47 | 1,36 |      |

|                  |       |      |    |     |    |      |    |      |  |
|------------------|-------|------|----|-----|----|------|----|------|--|
| 506.25.03.100.S  | BT 50 | AD/B | 3  | 100 | 9  | 15   | 14 | 3,63 |  |
| *506.25.03.120.S | BT 50 | AD/B | 3  | 120 | 9  | 17,5 | 14 | 3,66 |  |
| 506.25.04.100.S  | BT 50 | AD/B | 4  | 100 | 10 | 16   | 17 | 3,64 |  |
| *506.25.04.120.S | BT 50 | AD/B | 4  | 120 | 10 | 18,5 | 17 | 3,67 |  |
| 506.25.05.100.S  | BT 50 | AD/B | 5  | 100 | 11 | 17   | 20 | 3,65 |  |
| *506.25.05.120.S | BT 50 | AD/B | 5  | 120 | 11 | 19,5 | 20 | 3,68 |  |
| 506.25.06.100.S  | BT 50 | AD/B | 6  | 100 | 12 | 18   | 36 | 3,69 |  |
| 506.25.06.120.S  | BT 50 | AD/B | 6  | 120 | 12 | 20,5 | 36 | 3,72 |  |
| 506.25.06.160.S  | BT 50 | AD/B | 6  | 160 | 12 | 24,5 | 36 | 3,83 |  |
| 506.25.08.100.S  | BT 50 | AD/B | 8  | 100 | 14 | 20   | 36 | 3,70 |  |
| 506.25.08.120.S  | BT 50 | AD/B | 8  | 120 | 14 | 22,5 | 36 | 3,75 |  |
| 506.25.08.160.S  | BT 50 | AD/B | 8  | 160 | 14 | 26,5 | 36 | 3,88 |  |
| 506.25.10.100.S  | BT 50 | AD/B | 10 | 100 | 16 | 22   | 42 | 3,72 |  |
| 506.25.10.120.S  | BT 50 | AD/B | 10 | 120 | 16 | 24,5 | 42 | 3,78 |  |
| 506.25.10.160.S  | BT 50 | AD/B | 10 | 160 | 16 | 28,5 | 42 | 3,94 |  |
| 506.25.12.100.S  | BT 50 | AD/B | 12 | 100 | 18 | 24   | 47 | 3,71 |  |
| 506.25.12.120.S  | BT 50 | AD/B | 12 | 120 | 18 | 26,5 | 47 | 3,77 |  |
| 506.25.12.160.S  | BT 50 | AD/B | 12 | 160 | 18 | 30,5 | 47 | 3,94 |  |



- \* Einstellschraube nicht enthalten
- \* Does not include adjusting screw
- \* Ne comprend pas la vis de réglage
- \* Dayama civatası içermez

## Zubehör / Accessories / Accessoires / Yedekler



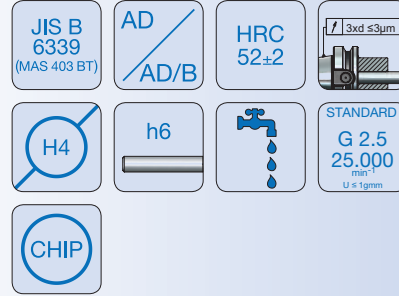


## Hydro - Dehnspannfutter

### Hydraulic expansions chuck

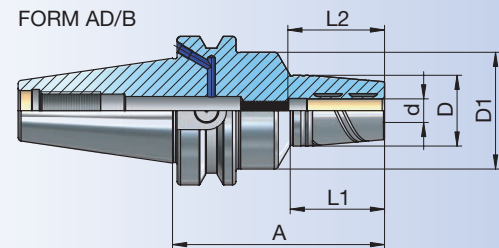
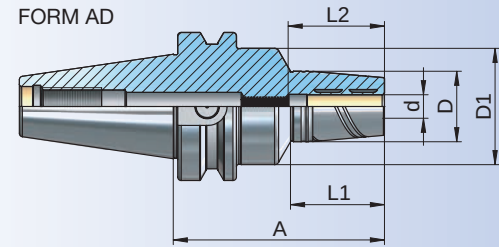
### Mandrins expansibles hydrauliques

### Hidrolik takım tutucular



JIS B 6339  
(MAS 403 BT)

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D    | D1   | L1 | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|------|------|----|----|------|------|
| 305.65.12.85                                         | BT 30 | AD   | 12 | 85  | 26,5 | 49,5 | 46 | 46 | 0,80 |      |
| 305.65.20.90                                         | BT 30 | AD   | 20 | 90  | 36   | 49,5 | 40 | 51 | 0,93 |      |
| 406.65.06.90                                         | BT 40 | AD/B | 6  | 90  | 26   | 49,5 | 40 | 37 | 1,41 |      |
| 406.65.08.90                                         | BT 40 | AD/B | 8  | 90  | 28   | 49,5 | 40 | 37 | 1,40 |      |
| 406.65.10.90                                         | BT 40 | AD/B | 10 | 90  | 30   | 49,5 | 40 | 41 | 1,38 |      |
| 406.65.12.90                                         | BT 40 | AD/B | 12 | 90  | 32   | 49,5 | 40 | 46 | 1,39 |      |
| 406.65.14.90                                         | BT 40 | AD/B | 14 | 90  | 34   | 49,5 | 40 | 46 | 1,41 |      |
| 406.65.16.90                                         | BT 40 | AD/B | 16 | 90  | 38   | 49,5 | 46 | 49 | 1,43 |      |
| 406.65.18.90                                         | BT 40 | AD/B | 18 | 90  | 38   | 49,5 | 46 | 49 | 1,45 |      |
| 406.65.20.90                                         | BT 40 | AD/B | 20 | 90  | 42   | 49,5 | 46 | 51 | 1,47 |      |
| 406.65.25.90                                         | BT 40 | AD/B | 25 | 90  | 49,5 | 55   | 63 | 57 | 1,77 |      |
| 406.65.32.90                                         | BT 40 | AD/B | 32 | 90  | 56   | 63   | 63 | 61 | 1,90 |      |
| 506.65.06.110                                        | BT 50 | AD/B | 6  | 110 | 26   | 49,5 | 40 | 37 | 4,16 |      |
| 506.65.08.110                                        | BT 50 | AD/B | 8  | 110 | 28   | 49,5 | 40 | 37 | 4,21 |      |
| 506.65.10.110                                        | BT 50 | AD/B | 10 | 110 | 30   | 49,5 | 40 | 41 | 4,10 |      |
| 506.65.12.110                                        | BT 50 | AD/B | 12 | 110 | 32   | 49,5 | 40 | 46 | 4,19 |      |
| 506.65.14.110                                        | BT 50 | AD/B | 14 | 110 | 34   | 49,5 | 40 | 46 | 4,14 |      |
| 506.65.16.110                                        | BT 50 | AD/B | 16 | 110 | 38   | 49,5 | 46 | 49 | 4,15 |      |
| 506.65.18.110                                        | BT 50 | AD/B | 18 | 110 | 40   | 49,5 | 46 | 49 | 4,28 |      |
| 506.65.20.110                                        | BT 50 | AD/B | 20 | 110 | 42   | 49,5 | 46 | 51 | 4,19 |      |
| 506.65.25.110                                        | BT 50 | AD/B | 25 | 110 | 55   | 60   | 55 | 57 | 4,51 |      |
| 506.65.32.115                                        | BT 50 | AD/B | 32 | 115 | 63   | 70   | 55 | 61 | 4,86 |      |



## Zubehör / Accessories / Accessoires / Yedekler



Reduzierungen  
Reducing arbor  
Douille de réduction  
Pens



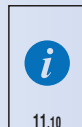
Einstellschraube  
Adjusting screw  
Vis de réglage  
Dayama civatası



Spannschlüssel  
Wrench  
Clé de serrage  
Sıkma anahtarı



Büchsenzieher für Reduzierungen  
Sleeve remover for reducing arbor  
Clé étirage pour douilles  
Hidrolik Takım Pensi Çıkarma Anahtarı



11.10



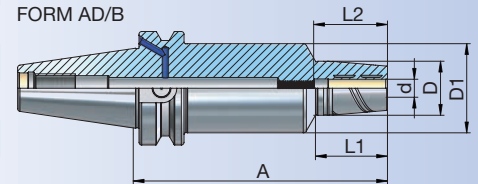
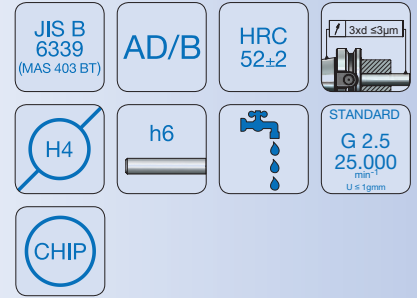
## Hydro - Dehnspannfutter lange Ausführung

Hydraulic expansions chuck, long

Mandrins expansibles hydrauliques, longue

Hidrolik takım tutucular, uzun

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D    | D1   | L1  | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|------|------|-----|----|------|------|
| 406.65.06.140                                        | BT 40 | AD/B | 6  | 140 | 26   | 49,5 | 40  | 37 | 2,18 |      |
| 406.65.08.140                                        | BT 40 | AD/B | 8  | 140 | 28   | 49,5 | 40  | 37 | 2,11 |      |
| 406.65.10.140                                        | BT 40 | AD/B | 10 | 140 | 30   | 49,5 | 40  | 41 | 2,10 |      |
| 406.65.12.140                                        | BT 40 | AD/B | 12 | 140 | 32   | 49,5 | 40  | 46 | 2,22 |      |
| 406.65.14.140                                        | BT 40 | AD/B | 14 | 140 | 34   | 49,5 | 40  | 46 | 2,22 |      |
| 406.65.16.140                                        | BT 40 | AD/B | 16 | 140 | 38   | 49,5 | 46  | 49 | 2,09 |      |
| 406.65.18.140                                        | BT 40 | AD/B | 18 | 140 | 40   | 49,5 | 46  | 49 | 2,14 |      |
| 406.65.20.140                                        | BT 40 | AD/B | 20 | 140 | 42   | 49,5 | 46  | 51 | 2,18 |      |
| 406.65.25.140                                        | BT 40 | AD/B | 25 | 140 | 49,5 | 55   | 113 | 57 | 2,67 |      |
| 406.65.32.140                                        | BT 40 | AD/B | 32 | 140 | 56   | 63   | 113 | 61 | 3,03 |      |
|                                                      |       |      |    |     |      |      |     |    |      |      |
| 506.65.06.140                                        | BT 50 | AD/B | 6  | 140 | 26   | 49,5 | 40  | 37 | 4,87 |      |
| 506.65.08.140                                        | BT 50 | AD/B | 8  | 140 | 28   | 49,5 | 40  | 37 | 4,89 |      |
| 506.65.10.140                                        | BT 50 | AD/B | 10 | 140 | 30   | 49,5 | 40  | 41 | 4,91 |      |
| 506.65.12.140                                        | BT 50 | AD/B | 12 | 140 | 32   | 49,5 | 40  | 46 | 4,90 |      |
| 506.65.14.140                                        | BT 50 | AD/B | 14 | 140 | 34   | 49,5 | 40  | 46 | 4,57 |      |
| 506.65.16.140                                        | BT 50 | AD/B | 16 | 140 | 38   | 49,5 | 46  | 49 | 4,81 |      |
| 506.65.18.140                                        | BT 50 | AD/B | 18 | 140 | 40   | 49,5 | 46  | 49 | 4,80 |      |
| 506.65.20.140                                        | BT 50 | AD/B | 20 | 140 | 42   | 49,5 | 46  | 51 | 3,47 |      |
| 506.65.25.140                                        | BT 50 | AD/B | 25 | 140 | 55   | 60   | 55  | 57 | 5,34 |      |
| 506.65.32.140                                        | BT 50 | AD/B | 32 | 140 | 63   | 70   | 55  | 61 | 5,09 |      |



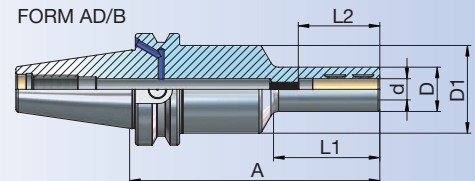
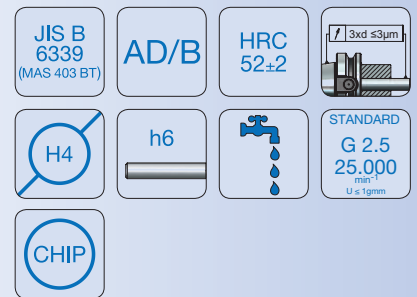
## Hydro - Dehnspannfutter schlanke Ausführung

Hydraulic expansions chuck, slimline design

Mandrins expansibles hydrauliques, design mince

Hidrolik takım tutucular, ince cidarlı

| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A   | D  | D1   | L1 | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|-----|----|------|----|----|------|------|
| 406.65.12.120.S                                      | BT 40 | AD/B | 12 | 120 | 25 | 49,5 | 60 | 46 | 1,55 |      |
| 506.65.12.120.S                                      | BT 50 | AD/B | 12 | 120 | 25 | 49,5 | 60 | 46 | 4,10 |      |



### Zubehör / Accessories / Accessoires / Yedekler



Reduzierungen  
Reducing arbor  
Douille de réduction  
Pens



DIN 916  
Einstellschraube  
Adjusting screw  
Vis de réglage  
Dayama civatısı



Spannschlüssel  
Wrench  
Clé de serrage  
Sıkma anahtarı



Büchsenzieher für Reduzierungen  
Sleeve remover for reducing arbor  
Clé étréage pour douilles  
Hidrolik Takım Pensi Çıkarma Anahtarı



11.10

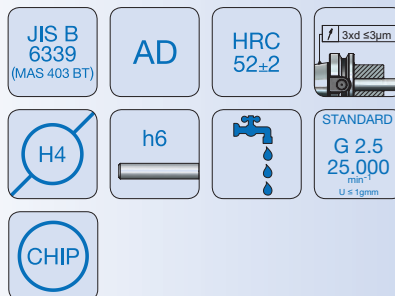


## Hydro - Dehnspannfutter extra kurze Ausführung

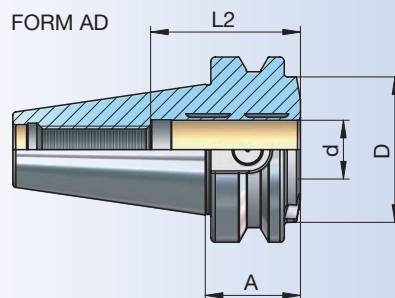
Hydraulic expansions chuck extra, short

Mandrins expansibles hydrauliques extra, court

Hidrolik takım tutucu, ekstra kısa



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A    | D    | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|------|------|----|------|------|
| 405.65.20.32                                         | BT 40 | AD   | 20 | 32,5 | 49,5 | 51 | 0,89 |      |



### Zubehör / Accessories / Accessoires / Yedekler

|                                                                                                  |                                                                 |                                                                                            |                                                              |                                                                                            |                                                                                                                                            |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <br>10.20-10.21 | Reduzierungen<br>Reducing arbor<br>Douille de réduction<br>Pens | <br>10.49 | Spannschlüssel<br>Wrench<br>Clé de serrage<br>Sıkma anahtarı | <br>10.48 | Büchsenzieher für Reduzierungen<br>Sleeve remover for reducing arbor<br>Clé étréage pour douilles<br>Hidrolik Takım Pensi Çıkarma Anahtarı |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

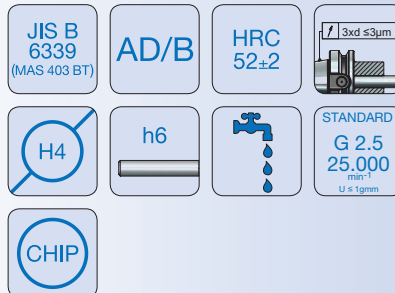


## Hydro - Dehnspannfutter kurz /schwer

Hydraulic expansions chuck, short heavy

Mandrins expansibles hydrauliques, court lourd

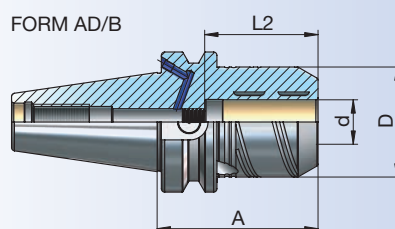
Hidrolik takım tutucu, kısa rijit



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | d  | A    | D    | L2 | Kg   | Euro |
|------------------------------------------------------|-------|------|----|------|------|----|------|------|
| 406.65.20.72                                         | BT 40 | AD/B | 20 | 72,5 | 49,5 | 51 | 1,42 |      |

|              |       |      |    |    |      |    |      |  |
|--------------|-------|------|----|----|------|----|------|--|
| 506.65.20.83 | BT 50 | AD/B | 20 | 83 | 49,5 | 51 | 3,94 |  |
|--------------|-------|------|----|----|------|----|------|--|

|              |       |      |    |    |    |    |      |  |
|--------------|-------|------|----|----|----|----|------|--|
| 506.65.32.90 | BT 50 | AD/B | 32 | 90 | 72 | 61 | 4,59 |  |
|--------------|-------|------|----|----|----|----|------|--|



### Zubehör / Accessories / Accessoires / Yedekler

|                                                                                                    |                                                                 |                                                                                                    |                                                                          |                                                                                              |                                                              |                                                                                              |                                                                                                                                            |                                                                                                |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <br>10.20-10.21 | Reduzierungen<br>Reducing arbor<br>Douille de réduction<br>Pens | <br>10.41-10.43 | Einstellschraube<br>Adjusting screw<br>Vis de réglage<br>Dayama civatası | <br>10.49 | Spannschlüssel<br>Wrench<br>Clé de serrage<br>Sıkma anahtarı | <br>10.48 | Büchsenzieher für Reduzierungen<br>Sleeve remover for reducing arbor<br>Clé étréage pour douilles<br>Hidrolik Takım Pensi Çıkarma Anahtarı | <br>11.10 |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|



## Hydro-Dehnspannfuttersatz im Koffer

Hydraulic expansion chuck set in box

Mandrin expansibles hydraulique (set) dans coffre

Hidrolik tutucu seti plastik kutuda

JIS B  
6339  
(MAS 403 BT)

AD  
AD/B

HRC  
52±2



| Bestell-Nr.<br>Order Nr.<br>Reference<br>Sipariş Nr. | BT    | Form | Spannbereich<br>Capacity<br>Capacité<br>Kapasite | Spannzangen Durchmesser<br>Collet Diameter<br>Pincas Diamètre<br>Pens Çapı | Reduzierhulsen<br>Reducing<br>Réduction<br>Pens Adedi | Kg   | Euro |
|------------------------------------------------------|-------|------|--------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------|------|------|
| 305.66.12.85                                         | BT 30 | AD   | R12 (3-8)                                        | 3-4-5-6-8                                                                  | 5                                                     | 1,65 |      |
| 305.66.20.90                                         | BT 30 | AD   | R20 (6-16)                                       | 6-8-10-12-16                                                               | 5                                                     | 1,96 |      |
| 406.66.12.90                                         | BT 40 | AD/B | R12 (3-8)                                        | 3-4-5-6-8                                                                  | 5                                                     | 2,24 |      |
| 406.66.20.72                                         | BT 40 | AD/B | R20 (6-16)                                       | 6-8-10-12-16                                                               | 5                                                     | 2,43 |      |
| 406.66.20.90                                         | BT 40 | AD/B | R20 (6-16)                                       | 6-8-10-12-16                                                               | 5                                                     | 2,48 |      |
| 406.66.32.90                                         | BT 40 | AD/B | R32 (6-25)                                       | 6-8-10-12-16-20-25                                                         | 7                                                     | 4,34 |      |
| 506.66.12.110                                        | BT 50 | AD/B | R12 (3-8)                                        | 3-4-5-6-8                                                                  | 5                                                     | 5,45 |      |
| 506.66.20.83                                         | BT 50 | AD/B | R20 (6-16)                                       | 6-8-10-12-16                                                               | 5                                                     | 5,34 |      |
| 506.66.20.110                                        | BT 50 | AD/B | R20 (6-16)                                       | 6-8-10-12-16                                                               | 5                                                     | 5,59 |      |
| 506.66.32.90                                         | BT 50 | AD/B | R32 (6-25)                                       | 6-8-10-12-16-20-25                                                         | 7                                                     | 7,23 |      |
| 506.66.32.115                                        | BT 50 | AD/B | R32 (6-25)                                       | 6-8-10-12-16-20-25                                                         | 7                                                     | 7,50 |      |

Lieferumfang : Spannfutter, inkl. Spannzangen mit Schlüssel  
Included : Collet chuck with collets and wrench  
Inclus : Mandarin avec pincas et clé  
Teslim Şekli : Takım, pensleri ve anahtarıyla birlikte



## Zubehör / Accessories / Accessoires / Yedekler



Reduzierungen  
Reducing arbor  
Douille de réduction  
Pens



DIN 916  
Einstellschraube  
Adjusting screw  
Vis de réglage  
Dayama civatası



Spannschlüssel  
Wrench  
Clé de serrage  
Sıkma anahtarı



Büchsenzieher für Reduzierungen  
Sleeve remover for reducing arbor  
Clé étirage pour douilles  
Hidrolik Takım Pensi Çıkarma Anahtarı



11.10