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Omega Products EU stocke et fournit aux distributeurs professionnels l'une des plus grandes gammes d'outils d'ingénierie d'EUROPE, comprenant :

- Outils Porte plaquette
- Barre d'Alésage avec queue carbure
- Attachement et accessoires
- Outils de perçage et de taraudage
- Outils de fraisage
- Bridage et étaux

Quelques informations sur OMEGA:

OUTILLAGE DE QUALITE

Nous ne vendons que des outils de haute qualité et gardons cet objectif

PRIX COMPETITIFS

Nos prix sont toujours compétitifs et transparents.

SERVICE CLIENT

Nos clients passent toujours en premier. Le service client n'est pas un département, c'est notre entreprise.

CONFIANCE

Notre parole est notre lien, nous dirons toujours la vérité et ferons ce que nous disons

Omega Products

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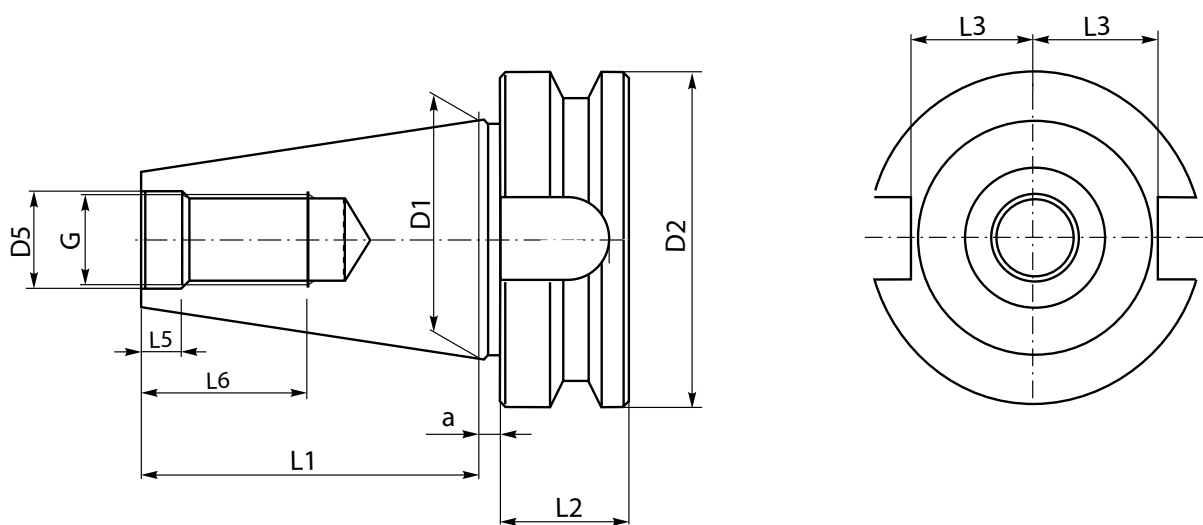
BT MAS403

BT MAS403 (JIS 6399)

CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en acier cémenté trempé
- Surface de traitement HRC60+2
- Profondeur de traitement 0.8mm+0.2mm
- Tolérance du cône AT3

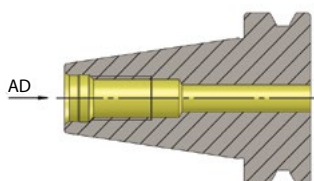
BT (MAS403)



| Taper | D1 | G | D5 | D2 | α | L1 | L2 | L3 | L5 | L6 |
|-------|-------|-----|------|-----|----------|-------|----|------|------|----|
| 30 | 31.75 | M12 | 12.5 | 46 | 2 | 48.4 | 22 | 16.3 | 7.0 | 24 |
| 40 | 44.45 | M16 | 17.0 | 63 | 2 | 65.4 | 27 | 22.5 | 8.2 | 32 |
| 50 | 69.85 | M24 | 25.0 | 100 | 3 | 101.8 | 38 | 35.3 | 11.0 | 47 |

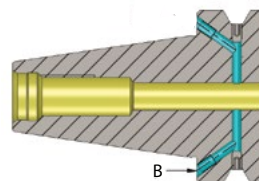
Forme AD

Arrosage centre broche



Forme AD/B

Arrosage centre broche & collerette



MANDRINS À PINCES ER MINI

- BT MAS403 (JIS 6339)
- Mandrins à Pincés ER avec Ecrou Mini
- Mandrins à Pincés ER encombrement réduit et long
- Pincés ER – Page 118
- Pièces détachées – Page 178

| Code Article | Description | Long de jauge (mm) | Formee | Ecrou | Equilibrage |
|--------------|----------------|--------------------|--------|----------------------|------------------|
| OM30283 | BT30 ER11 MINI | 70 | AD | ER 11 Mini (OM31414) | G2.5 @20,000 RPM |
| OM30284 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31971 | BT30 ER16 MINI | 60 | AD | ER 16 Mini (OM31415) | G2.5 @20,000 RPM |
| OM30366 | | 100 | AD | | G2.5 @20,000 RPM |
| OM30367 | | 150 | AD | | G2.5 @20,000 RPM |

| | | | | | |
|---------|----------------|-----|------|----------------------|------------------|
| OM31334 | BT40 ER11 MINI | 70 | AD | ER 11 Mini (OM31414) | G2.5 @20,000 RPM |
| OM31636 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31335 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31637 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31638 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM30298 | BT40 ER16 MINI | 70 | AD | ER 16 Mini (OM31415) | G2.5 @20,000 RPM |
| OM31639 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31336 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31640 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31641 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM30287 | | 200 | AD | | G2.5 @20,000 RPM |



BT (MAS403)

MANDRINS À PINCES ER COURT BT40

- BT MAS403 (JIS 6339)
- Très court pour un maximum de rigidité
- Pincés ER – Page 118
- Pièces détachées – Page 178

| Code Article | Description | Type de Pince | Long de jauge (mm) | Forme | Equilibrage |
|--------------|--------------------------|---------------|--------------------|-------|------------------|
| OM31538 | BT40 N ER32 COURT | ER32 | 35 | AD | G2.5 @25,000 RPM |



BT (MAS403)

MANDRINS À PINCES ER BT30

- BT MAS403 (JIS 6339)
- Mandrins à Pincés avec Ecou Standard
- Système pince ER
- Pincés ER – Page 118
- Pièces détachées – Page 178

| Code Article | Description | Long de jauge (mm) | Forme | Ecou | Equilibrage |
|--------------|------------------|--------------------|-------|--------------------------------|------------------|
| OM31005 | BT30 ER16 | 70 | AD | ER16 écrou hexagonal (OM31426) | G2.5 @25,000 RPM |
| OM31560 | | 100 | AD | | G2.5 @25,000 RPM |
| OM31006 | BT30 ER25 | 70 | AD | ER25 écrou standard (OM31421) | G2.5 @25,000 RPM |
| OM31561 | | 100 | AD | | G2.5 @25,000 RPM |
| OM31007 | BT30 ER32 | 70 | AD | ER32 écrou standard (OM31422) | G2.5 @25,000 RPM |
| OM31562 | | 100 | AD | | G2.5 @25,000 RPM |
| OM31008 | BT30 ER40 | 80 | AD | ER40 écrou standard (OM31423) | G2.5 @25,000 RPM |



MANDRINS À PINCES ER

BT40

- BT MAS403 (JIS 6339)
- Mandrins à Pincés avec Ecrou Standard
- Système pince ER
- Large gamme de longueur de jauge disponible
- Pincés ER – Page 118
- Pièces détachées – Page 178



BT (MAS403)

| Code Article | Description | Long de jauge (mm) | Forme | Ecrou | Equilibrage |
|--------------|-------------|--------------------|------------------|--------------------------------|------------------|
| OM31042 | BT40 ER16 | 70 | AD | ER16 écrou hexagonal (OM31426) | G2.5 @20,000 RPM |
| OM31642 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31038 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31643 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31535 | | 120 | AD/B | | G2.5 @25,000 RPM |
| OM31039 | | 150 | AD | | G2.5 @20,000 RPM |
| OM31040 | | 160 | AD | | G2.5 @20,000 RPM |
| OM31644 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31342 | | 200 | AD | | G2.5 @20,000 RPM |
| OM31645 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31045 | BT40 ER20 | 70 | AD | ER20 écrou standard (OM31420) | G2.5 @20,000 RPM |
| OM31043 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31954 | | 120 | AD | | G2.5 @20,000 RPM |
| OM31044 | | 150 | AD | | G2.5 @20,000 RPM |
| OM31050 | BT40 ER25 | 70 | AD | ER25 écrou standard (OM31421) | G2.5 @20,000 RPM |
| OM34005 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31046 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31646 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM34007 | | 120 | AD | | G2.5 @20,000 RPM |
| OM31047 | | 150 | AD | | G2.5 @20,000 RPM |
| OM31048 | | 160 | AD | | G2.5 @20,000 RPM |
| OM31647 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31343 | | 200 | AD | | G2.5 @20,000 RPM |
| OM31648 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31056 | BT40 ER32 | 70 | AD | ER32 écrou standard (OM31422) | G2.5 @20,000 RPM |
| OM34004 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31051 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31536 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31052 | | 120 | AD | | G2.5 @20,000 RPM |
| OM34006 | | 120 | AD/B | | G2.5 @25,000 RPM |
| OM31053 | | 150 | AD | | G2.5 @20,000 RPM |
| OM31054 | | 160 | AD | | G2.5 @20,000 RPM |
| OM31537 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31344 | | 200 | AD | | G6.3 @15,000 RPM |
| OM31345 | 250 | AD | G6.3 @15,000 RPM | | |
| OM31346 | 300 | AD | G6.3 @15,000 RPM | | |
| OM31059 | BT40 ER40 | 80 | AD | ER40 écrou standard (OM31423) | G2.5 @20,000 RPM |
| OM31649 | | 80 | AD/B | | G2.5 @25,000 RPM |
| OM31057 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31650 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31058 | | 150 | AD | | G6.3 @15,000 RPM |
| OM31952 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31060 | BT40 ER50 | 100 | AD | ER50 écrou standard (OM31424) | G2.5 @20,000 RPM |

MANDRINS À PINCES ER BT50

- BT MAS403 (JIS 6339)
- Mandrins à Pinces avec Ecrou Standard
- Système pince ER
- Large gamme de longueur de jauge disponible
- Pinces ER – Page 118
- Pièces détachées – Page 178



| Code Article | Description | Long de jauge (mm) | Forme | Ecrou | Equilibrage |
|--------------|-------------|--------------------|-------|--------------------------------|------------------|
| OM31115 | BT50 ER16 | 70 | AD | ER16 écrou hexagonal (OM31426) | G6.3 @15,000 RPM |
| OM31777 | | 80 | AD/B | | G2.5 @25,000 RPM |
| OM31347 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31778 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31779 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31780 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31121 | BT50 ER25 | 80 | AD | ER25 écrou standard (OM31421) | G6.3 @15,000 RPM |
| OM31781 | | 80 | AD/B | | G2.5 @25,000 RPM |
| OM31116 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31782 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31119 | | 160 | AD | | G6.3 @15,000 RPM |
| OM31783 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31784 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31785 | | 250 | AD/B | | G2.5 @25,000 RPM |
| OM31127 | BT50 ER32 | 70 | AD | ER32 écrou standard (OM31422) | G6.3 @15,000 RPM |
| OM31128 | | 80 | AD | | G6.3 @15,000 RPM |
| OM31786 | | 80 | AD/B | | G2.5 @25,000 RPM |
| OM31122 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31787 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31123 | | 150 | AD | | G6.3 @15,000 RPM |
| OM31124 | | 160 | AD | | G6.3 @15,000 RPM |
| OM31788 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31125 | | 200 | AD | | G6.3 @15,000 RPM |
| OM31789 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31126 | | 250 | AD | | G6.3 @15,000 RPM |
| OM31790 | | 250 | AD/B | | G2.5 @25,000 RPM |
| OM31132 | BT50 ER40 | 80 | AD | ER40 écrou standard (OM31423) | G6.3 @15,000 RPM |
| OM31791 | | 80 | AD/B | | G2.5 @25,000 RPM |
| OM31348 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31792 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31130 | | 160 | AD | | G6.3 @15,000 RPM |
| OM31793 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31794 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31133 | BT50 ER50 | 100 | AD | ER50 écrou standard (OM31424) | G6.3 @15,000 RPM |
| OM31795 | | 100 | AD/B | | G2.5 @25,000 RPM |

MANDRINS À PINCES OZ BT40

- BT MAS403 (JIS 6339)
- Système pince OZ (DIN6388)
- Équilibré G6.3 @ 15,000 tr
- Pinces OZ – Page 145
- Pièces détachées – Page 178

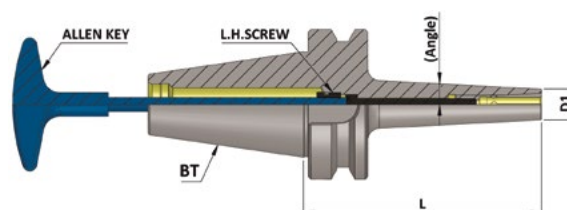
| Code Article | Description | Long de jauge (mm) | Forme |
|--------------|---------------|--------------------|-------|
| OM31572 | BT40 OZ 25 70 | 70 | AD |
| OM31573 | BT40 OZ 32 80 | 80 | AD |



BT (MAS403)

MANDRINS À PINCES DMC BT30, BT40 & BT50

- BT MAS403 (JIS 6339)
- Pinces à fixation arrière
- Pinces fine et Ultra Précision
- Haute Précision <0,005mm
- Équilibré G2,5 @25000tr
- Pinces DMC – Page 148
- Clés Hex. Page 181



| Code Article | Description | Dimensions (mm) | | | Conicité | Pince | Vis | Clé Allen |
|--------------|-------------|------------------|----|----|----------|--------|-----|-----------|
| | | Plage de serrage | D1 | L | | | | |
| OM32290 | BT30 DMC 06 | 3-6 | 13 | 90 | 3° | DMC 06 | M5 | 4X200 |

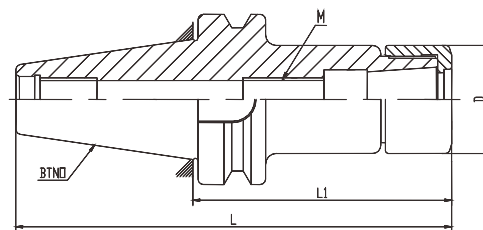
| | | | | | | | | |
|---------|-------------|------|----|-----|----|--------|----|-------|
| OM32291 | BT40 DMC 06 | 3-6 | 13 | 60 | 3° | DMC 06 | M5 | 4X200 |
| OM32292 | | 3-6 | 13 | 90 | 3° | DMC 06 | M5 | 4X200 |
| OM32293 | | 3-6 | 13 | 120 | 3° | DMC 06 | M5 | 4X200 |
| OM32294 | | 3-6 | 13 | 160 | 3° | DMC 06 | M5 | 4X200 |
| OM32295 | BT40 DMC 08 | 3-8 | 22 | 90 | 3° | DMC 08 | M6 | 5X200 |
| OM32296 | | 3-8 | 22 | 120 | 3° | DMC 08 | M6 | 5X200 |
| OM32297 | BT40 DMC 10 | 4-10 | 28 | 90 | 3° | DMC 10 | M8 | 6X200 |
| OM32298 | | 4-10 | 28 | 120 | 3° | DMC 10 | M8 | 6X200 |

| | | | | | | | | |
|---------|-------------|------|----|-----|----|--------|----|-------|
| OM32325 | BT50 DMC 10 | 4-10 | 28 | 150 | 3° | DMC 10 | M8 | 6X200 |
|---------|-------------|------|----|-----|----|--------|----|-------|



MANDRINS À PINCES GSK BT30 & BT40

- BT MAS403 (JIS 6339)
- Mandrins à Pince GSK de Haute Précision
- Excellent pour utilisation à haute vitesse et fraisage de précision
- Équilibré G2,5 @25000tr
- Pincés GSK – Page 146
- Pièces détachées – Page 179



| Code Article | Description | Dimensions (mm) | | |
|--------------|-------------|------------------|------|-----------|
| | | Long de jauge L1 | D | M |
| OM30400 | BT30 GSK 06 | 60 | 19,5 | M8 x 1 |
| OM30401 | | 90 | | |
| OM30402 | | 120 | | |
| OM30403 | | 150 | | |
| OM30404 | BT30 GSK 10 | 60 | 27 | M11 x 1 |
| OM30405 | | 90 | | |
| OM30406 | BT30 GSK 16 | 60 | 40 | M18 x 1.5 |
| OM30407 | | 90 | | |
| OM30408 | BT30 GSK 25 | 75 | 55 | M28 x 1.5 |

| | | | | |
|---------|-------------|-----|------|-----------|
| OM30415 | BT40 GSK 06 | 60 | 19,5 | M8 x 1 |
| OM30409 | | 90 | | |
| OM30475 | | 120 | | |
| OM30410 | | 150 | | |
| OM30411 | BT40 GSK 10 | 60 | 27 | M11 x 1 |
| OM30412 | | 90 | | |
| OM30413 | | 120 | | |
| OM30414 | | 150 | | |
| OM30416 | BT40 GSK 16 | 60 | 40 | M18 x 1.5 |
| OM30417 | | 90 | | |
| OM30418 | | 120 | | |
| OM30419 | | 150 | | |
| OM30420 | | 200 | | |
| OM30421 | BT40 GSK 25 | 90 | 55 | M28 x 1.5 |
| OM30422 | | 120 | | |
| OM30423 | | 150 | | |

MANDRINS À EXPANSION HYDRAULIQUES BT30, BT40 & BT50

- BT MAS403 (JIS 6339)
- Mandrins Hydrauliques Ultra Précision
- Haute Précision <0,005mm
- Equilibré G2,5 @25000tr
- Pièces détachées – Page 178

Figure 1

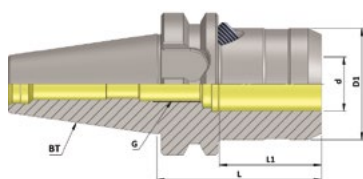
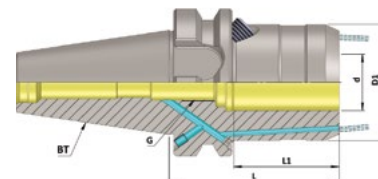


Figure 2



| Code Article | Description | Dimensions (mm) | | | | | Forme | Fig. |
|--------------|-------------|-----------------|----|-----|----|----|-------------|--------|
| | | d | D1 | G | L | L1 | | |
| OM32103 | BT30 HC12S | 12 | 42 | M10 | 69 | 40 | AD | Fig. 1 |
| OM32149 | | 12 | 42 | M10 | 69 | 40 | AD/B + Cool | Fig. 2 |
| OM32104 | BT30 HC20S | 20 | 50 | M16 | 90 | 42 | AD | Fig. 1 |
| OM32150 | | 20 | 50 | M16 | 90 | 42 | AD/B + Cool | Fig. 2 |

| | | | | | | | | |
|---------|------------|----|----|-----|------|----|-------------|--------|
| OM32105 | BT40 HC12S | 12 | 42 | M10 | 58 | 40 | AD | Fig. 1 |
| OM32151 | | 12 | 42 | M10 | 58 | 40 | AD/B + Cool | Fig. 2 |
| OM32106 | BT40 HC20S | 20 | 50 | M16 | 72.5 | 42 | AD | Fig. 1 |
| OM32152 | | 20 | 50 | M16 | 72.5 | 42 | AD/B + Cool | Fig. 2 |

| | | | | | | | | |
|---------|------------|----|----|-----|----|----|-------------|--------|
| OM32107 | BT50 HC12S | 12 | 42 | M10 | 69 | 40 | AD | Fig. 1 |
| OM32153 | | 12 | 42 | M10 | 69 | 40 | AD/B + Cool | Fig. 2 |
| OM32108 | BT50 HC20S | 20 | 50 | M16 | 83 | 42 | AD | Fig. 1 |
| OM32154 | | 20 | 50 | M16 | 83 | 42 | AD/B + Cool | Fig. 2 |
| OM32109 | BT50 HC32S | 32 | 72 | M16 | 90 | 55 | AD | Fig. 1 |
| OM32155 | | 32 | 72 | M16 | 90 | 55 | AD/B + Cool | Fig. 2 |



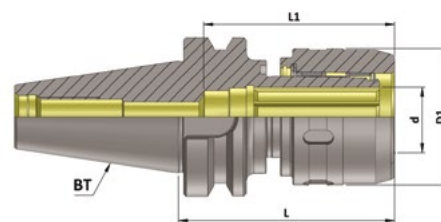
Kit de Mandrin Hydraulique

| Code Article | Description |
|--------------|--|
| OM36183 | BT40 HC20 Kit BT40 20mm Mandrin + 5 Pices: 6, 8, 10, 12, & 16mm Pices |



MANDRINS À PINCES À FORT SERRAGE BT40 & BT50

- BT MAS403 (JIS 6339)
- Haute Précision <0,005mm
- Mandrin de fraisage à fort serrage soumis à un traitement inf-zero (-90°) pour limiter la déformation et augmenter la durée de vie
- Equilibré G6,3 @ 15000tr
- Pincés Cylindrique - Page 149
- Pièces détachées – Page 178



BT (MAS403)

| Code Article | Description | Dimensions (mm) | | | |
|--------------|--------------|-----------------|----|-----|-----|
| | | d | D1 | L | L1 |
| OM30797 | BT40 UPMC 20 | 20 | 54 | 80 | 70 |
| OM30798 | BT40 UPMC 32 | 32 | 72 | 90 | 100 |
| OM30799 | BT50 UPMC 20 | 20 | 54 | 105 | 70 |
| OM30915 | BT50 UPMC 32 | 32 | 72 | 105 | 100 |

MANDRINS À PINCES À FORT SERRAGE BT40 & BT50

- BT MAS403 (JIS 6339)
- Equilibré G6,3 @ 12000tr
- Mandrins économique pour utilisation générale
- Pincés Cylindrique - Page 148
- Pièces détachées – Page 178

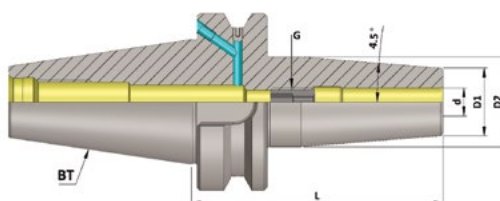


| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) |
|--------------|-------------|--------------------------|--------------------|
| OM31077 | BT40 SC20 | 20 | 80 |
| OM31349 | BT40 SC25 | 25 | 100 |
| OM31350 | BT40 SC32 | 32 | 105 |
| OM31632 | BT50 SC25 | 25 | 110 |
| OM31633 | BT50 SC32 | 32 | 115 |

MANDRINS DE FRETTAGE

BT40

- BT MAS403 (JIS 6339)
- Fort serrage et rigide
- Forme AD/B
- 4.5 Degrée
- Equilibré G2,5 @25000tr

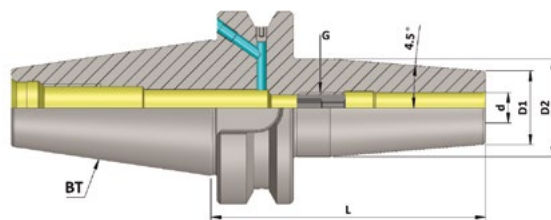


| Code Article | Description | Dimensions (mm) | | | | |
|--------------|-------------|-----------------|----|----|-----|-----|
| | | d | D1 | D2 | G | L |
| OM30871 | BT40 SF03 | 3mm | 10 | 20 | - | 90 |
| OM30872 | | | 10 | 20 | - | 120 |
| OM30873 | | | 10 | 20 | - | 160 |
| OM30800 | BT40 SF04 | 4mm | 15 | 22 | - | 90 |
| OM30874 | | | 15 | 22 | - | 120 |
| OM30875 | | | 15 | 22 | - | 160 |
| OM30876 | BT40 SF05 | 5mm | 15 | 22 | - | 90 |
| OM30877 | | | 15 | 22 | - | 120 |
| OM30878 | | | 15 | 22 | - | 160 |
| OM30801 | BT40 SF06 | 6mm | 21 | 27 | M5 | 90 |
| OM30802 | | | 21 | 27 | M5 | 120 |
| OM30803 | | | 21 | 27 | M5 | 160 |
| OM34291 | | | 21 | 27 | M5 | 200 |
| OM30804 | BT40 SF08 | 8mm | 21 | 27 | M6 | 90 |
| OM30805 | | | 21 | 27 | M6 | 120 |
| OM30806 | | | 21 | 27 | M6 | 160 |
| OM34292 | | | 21 | 27 | M6 | 200 |
| OM30807 | BT40 SF10 | 10mm | 24 | 31 | M8 | 90 |
| OM30808 | | | 24 | 31 | M8 | 120 |
| OM30809 | | | 24 | 31 | M8 | 160 |
| OM34293 | | | 24 | 31 | M8 | 200 |
| OM30810 | BT40 SF12 | 12mm | 24 | 31 | M10 | 90 |
| OM30811 | | | 24 | 31 | M10 | 120 |
| OM30812 | | | 24 | 31 | M10 | 160 |
| OM34294 | | | 24 | 31 | M10 | 200 |
| OM30879 | BT40 SF14 | 14mm | 27 | 34 | M10 | 90 |
| OM30880 | | | 27 | 34 | M10 | 120 |
| OM30881 | | | 27 | 34 | M10 | 160 |
| OM30813 | BT40 SF16 | 16mm | 27 | 34 | M12 | 90 |
| OM30814 | | | 27 | 34 | M12 | 120 |
| OM30815 | | | 27 | 34 | M12 | 160 |
| OM34296 | | | 27 | 34 | M12 | 200 |
| OM30882 | BT40 SF18 | 18mm | 33 | 40 | M12 | 90 |
| OM30883 | | | 33 | 40 | M12 | 120 |
| OM30884 | | | 33 | 40 | M12 | 160 |
| OM30816 | BT40 SF20 | 20mm | 33 | 40 | M16 | 90 |
| OM30817 | | | 33 | 40 | M16 | 120 |
| OM30818 | | | 33 | 40 | M16 | 160 |
| OM34298 | | | 33 | 40 | M16 | 200 |
| OM30819 | BT40 SF25 | 25mm | 44 | 53 | M16 | 100 |
| OM30820 | | | 44 | 53 | M16 | 120 |
| OM30821 | | | 44 | 53 | M16 | 160 |
| OM30822 | BT40 SF32 | 32mm | 44 | 53 | M16 | 100 |
| OM30885 | | | 44 | 53 | M16 | 120 |
| OM30823 | | | 44 | 53 | M16 | 160 |

BT (MAS403)

MANDRINS DE FRETTAGE BT50

- BT MAS403 (JIS 6339)
- Fort serrage et rigide
- Forme AD/B
- 4.5 Degrée
- Equilibré G2,5 @25000tr

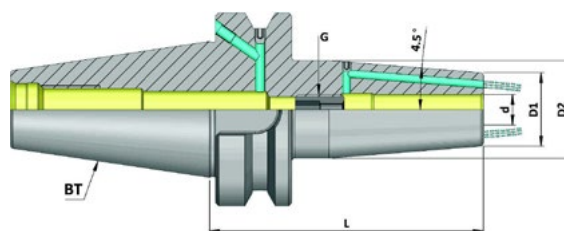


| Code Article | Description | Dimensions (mm) | | | | |
|--------------|-------------|-----------------|----|----|-----|-----|
| | | d | D1 | D2 | G | L |
| OM33700 | BT50 SF03 | 3mm | 10 | 20 | - | 100 |
| OM33701 | | | 10 | 20 | - | 120 |
| OM33702 | | | 10 | 20 | - | 160 |
| OM33703 | BT50 SF04 | 4mm | 15 | 22 | - | 100 |
| OM33704 | | | 15 | 22 | - | 120 |
| OM33705 | | | 15 | 22 | - | 160 |
| OM33706 | BT50 SF05 | 5mm | 15 | 22 | - | 100 |
| OM33707 | | | 15 | 22 | - | 120 |
| OM33708 | | | 15 | 22 | - | 160 |
| OM33709 | BT50 SF06 | 6mm | 21 | 27 | M5 | 100 |
| OM33710 | | | 21 | 27 | M5 | 120 |
| OM33711 | | | 21 | 27 | M5 | 160 |
| OM33712 | BT50 SF08 | 8mm | 21 | 27 | M6 | 100 |
| OM33713 | | | 21 | 27 | M6 | 120 |
| OM33714 | | | 21 | 27 | M6 | 160 |
| OM33715 | BT50 SF10 | 10mm | 24 | 31 | M8 | 100 |
| OM33716 | | | 24 | 31 | M8 | 120 |
| OM33717 | | | 24 | 31 | M8 | 160 |
| OM33718 | BT50 SF12 | 12mm | 24 | 31 | M10 | 100 |
| OM33719 | | | 24 | 31 | M10 | 120 |
| OM33720 | | | 24 | 31 | M10 | 160 |
| OM33721 | BT50 SF14 | 14mm | 27 | 34 | M10 | 100 |
| OM33722 | | | 27 | 34 | M10 | 120 |
| OM33723 | | | 27 | 34 | M10 | 160 |
| OM33724 | BT50 SF16 | 16mm | 27 | 34 | M12 | 100 |
| OM33725 | | | 27 | 34 | M12 | 120 |
| OM33726 | | | 27 | 34 | M12 | 160 |
| OM33727 | BT50 SF18 | 18mm | 33 | 40 | M12 | 100 |
| OM33728 | | | 33 | 40 | M12 | 120 |
| OM33729 | | | 33 | 40 | M12 | 160 |
| OM33730 | BT50 SF20 | 20mm | 33 | 40 | M16 | 100 |
| OM33731 | | | 33 | 40 | M16 | 120 |
| OM33732 | | | 33 | 40 | M16 | 160 |
| OM33733 | BT50 SF25 | 25mm | 44 | 53 | M16 | 110 |
| OM33734 | | | 44 | 53 | M16 | 120 |
| OM33735 | | | 44 | 53 | M16 | 160 |
| OM33736 | BT50 SF32 | 32mm | 44 | 53 | M16 | 110 |
| OM33737 | | | 44 | 53 | M16 | 120 |
| OM33738 | | | 44 | 53 | M16 | 160 |

MANDRINS DE FRETTAGE AVEC TROU DE LUBRIFICATION

BT40

- BT MAS403 (JIS 6339)
- Fort serrage et rigide
- Avec lubrification frontale
- 4,5 Degrée
- Equilibré G2,5 @25000tr



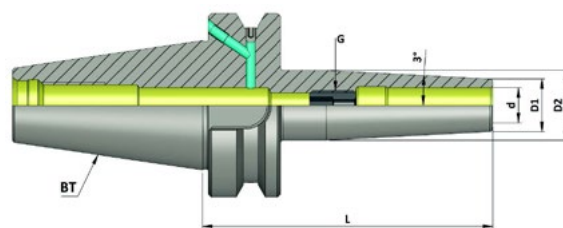
| Code Article | Description | Dimensions (mm) | | | | |
|--------------|---------------|-----------------|----|----|-----|-----|
| | | d | D1 | D2 | G | L |
| OM36711 | BT40 SF03 FCC | 3mm | 10 | 20 | - | 90 |
| OM36712 | | | 10 | 20 | - | 120 |
| OM36713 | | | 10 | 20 | - | 160 |
| OM36714 | BT40 SF04 FCC | 4mm | 15 | 22 | - | 90 |
| OM36715 | | | 15 | 22 | - | 120 |
| OM36716 | | | 15 | 22 | - | 160 |
| OM36717 | BT40 SF05 FCC | 5mm | 15 | 22 | - | 90 |
| OM36718 | | | 15 | 22 | - | 120 |
| OM36719 | BT40 SF06 FCC | 6mm | 21 | 27 | M5 | 90 |
| OM36720 | | | 21 | 27 | M5 | 120 |
| OM36721 | | | 21 | 27 | M5 | 160 |
| OM36722 | BT40 SF08 FCC | 8mm | 21 | 27 | M6 | 90 |
| OM36723 | | | 21 | 27 | M6 | 120 |
| OM36724 | | | 21 | 27 | M6 | 160 |
| OM36725 | BT40 SF10 FCC | 10mm | 24 | 31 | M8 | 90 |
| OM36726 | | | 24 | 31 | M8 | 120 |
| OM36727 | | | 24 | 31 | M8 | 160 |
| OM36728 | BT40 SF12 FCC | 12mm | 24 | 31 | M10 | 90 |
| OM36729 | | | 24 | 31 | M10 | 120 |
| OM36730 | | | 24 | 31 | M10 | 160 |
| OM36731 | BT40 SF14 FCC | 14mm | 27 | 34 | M10 | 90 |
| OM36732 | | | 27 | 34 | M10 | 120 |
| OM36733 | | | 27 | 34 | M10 | 160 |
| OM36734 | BT40 SF16 FCC | 16mm | 27 | 34 | M12 | 90 |
| OM36735 | | | 27 | 34 | M12 | 120 |
| OM36736 | | | 27 | 34 | M12 | 160 |
| OM36737 | BT40 SF18 FCC | 18mm | 33 | 40 | M12 | 90 |
| OM36738 | | | 33 | 40 | M12 | 120 |
| OM36739 | | | 33 | 40 | M12 | 160 |
| OM36740 | BT40 SF20 FCC | 20mm | 33 | 40 | M16 | 90 |
| OM36741 | | | 33 | 40 | M16 | 120 |
| OM36742 | | | 33 | 40 | M16 | 160 |
| OM36743 | BT40 SF25 FCC | 25mm | 44 | 53 | M16 | 100 |
| OM36744 | | | 44 | 53 | M16 | 120 |
| OM36745 | | | 44 | 53 | M16 | 160 |
| OM36746 | BT40 SF32 FCC | 32mm | 44 | 53 | M16 | 100 |
| OM36747 | | | 44 | 53 | M16 | 120 |
| OM36748 | | | 44 | 53 | M16 | 160 |
| OM36749 | | | 44 | 53 | M16 | 160 |



BT (MAS403)

MANDRINS DE FRETTAGE - SLIM BT40

- BT MAS403 (JIS 6339)
- Fort serrage et rigide
- Forme AD/B
- 3 Degrée
- Equilibré G2,5 @25000tr

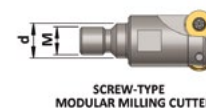
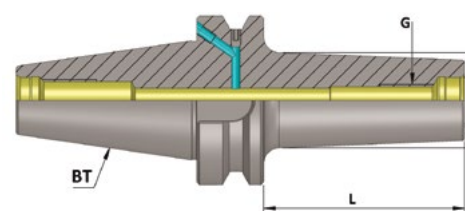


| Code Article | Description | Dimensions (mm) | | | | |
|--------------|----------------|-----------------|----|----|-----|-----|
| | | d | D1 | D2 | G | L |
| OM36811 | BT40 SF03 SLIM | 3mm | 9 | 15 | - | 90 |
| OM36812 | | | 9 | 18 | - | 120 |
| OM36813 | BT40 SF04 SLIM | 4mm | 10 | 16 | - | 90 |
| OM36814 | | | 10 | 19 | - | 120 |
| OM36815 | BT40 SF05 SLIM | 5mm | 11 | 17 | - | 90 |
| OM36816 | | | 11 | 20 | - | 120 |
| OM36817 | BT40 SF06 SLIM | 6mm | 12 | 18 | M5 | 90 |
| OM36818 | | | 12 | 21 | M5 | 120 |
| OM36819 | | | 12 | 25 | M5 | 160 |
| OM36820 | BT40 SF08 SLIM | 8mm | 14 | 20 | M6 | 90 |
| OM36821 | | | 14 | 23 | M6 | 120 |
| OM36822 | | | 14 | 27 | M6 | 160 |
| OM36823 | BT40 SF10 SLIM | 10mm | 16 | 22 | M8 | 90 |
| OM36824 | | | 16 | 25 | M8 | 120 |
| OM36825 | | | 16 | 29 | M8 | 160 |
| OM36826 | BT40 SF12 SLIM | 12mm | 18 | 24 | M10 | 90 |
| OM36827 | | | 18 | 27 | M10 | 120 |
| OM36828 | | | 18 | 31 | M10 | 160 |
| OM36829 | BT40 SF14 SLIM | 14mm | 20 | 26 | M10 | 90 |
| OM36830 | | | 20 | 29 | M10 | 120 |
| OM36831 | | | 20 | 32 | M10 | 160 |
| OM36832 | BT40 SF16 SLIM | 16mm | 22 | 28 | M12 | 90 |
| OM36833 | | | 22 | 31 | M12 | 120 |
| OM36834 | | | 22 | 34 | M12 | 160 |
| OM36835 | BT40 SF18 SLIM | 18mm | 24 | 30 | M12 | 90 |
| OM36836 | | | 24 | 33 | M12 | 120 |
| OM36837 | | | 24 | 36 | M12 | 160 |
| OM36838 | BT40 SF20 SLIM | 20mm | 26 | 32 | M16 | 90 |
| OM36839 | | | 26 | 35 | M16 | 120 |
| OM36840 | | | 26 | 38 | M16 | 160 |

MANDRINS POUR FRAISE À VISSER

BT40 & BT50

- BT MAS403 (JIS 6339)
- Mandrins pour visser des fraises Modulaire
- Equilibré G2,5 @25000tr
- MCAP = Mandrin cylindrique



| Code Article | Description | Dimensions (mm) | | | | |
|--------------|-------------|-----------------|----|------|-----|-----|
| | | d | D1 | D2 | G | L |
| OM30916 | BT40 MCA 06 | 6.5 | 10 | 13 | M6 | 25 |
| OM30917 | | 6.5 | 10 | 20 | | 50 |
| OM30918 | | 6.5 | 10 | 23 | | 75 |
| OM30919 | BT40 MCA 08 | 8.5 | 13 | 15 | M8 | 25 |
| OM30920 | | 8.5 | 13 | 23 | | 50 |
| OM30921 | | 8.5 | 13 | 23 | | 75 |
| OM30922 | | 8.5 | 13 | 25 | | 100 |
| OM30923 | BT40 MCA 10 | 10.5 | 18 | 20 | M10 | 25 |
| OM30924 | | 10.5 | 18 | 23 | | 50 |
| OM30925 | | 10.5 | 18 | 28 | | 75 |
| OM30926 | | 10.5 | 18 | 32 | | 100 |
| OM30927 | BT40 MCA 12 | 12.5 | 21 | 24 | M12 | 25 |
| OM30928 | | 12.5 | 21 | 24 | | 50 |
| OM30929 | | 12.5 | 21 | 31 | | 75 |
| OM30930 | | 12.5 | 21 | 33 | | 100 |
| OM30931 | | 12.5 | 21 | 36 | | 125 |
| OM30932 | BT40 MCA 16 | 17 | 29 | 29 | M16 | 25 |
| OM30933 | | 17 | 29 | 34 | | 50 |
| OM30934 | | 17 | 29 | 34 | | 75 |
| OM30935 | | 17 | 29 | 36 | | 100 |
| OM30936 | | 17 | 29 | 40 | | 125 |
| OM30937 | | 17 | 29 | 42.5 | | 150 |

| | | | | | | |
|---------|--------------|------|------|------|-----|-----|
| OM34702 | BT40 MCAP 08 | 8.5 | 13.8 | 13.8 | M8 | 50 |
| OM34705 | BT40 MCAP 10 | 10.5 | 18 | 18 | M10 | 50 |
| OM34706 | | 10.5 | 18 | 18 | | 75 |
| OM34707 | | 10.5 | 18 | 18 | | 100 |
| OM34709 | BT40 MCAP 12 | 12.5 | 21 | 21 | M12 | 50 |
| OM34710 | | 12.5 | 21 | 21 | | 75 |
| OM34711 | | 12.5 | 21 | 21 | | 100 |
| OM34713 | BT40 MCAP 16 | 17 | 29 | 29 | M16 | 50 |
| OM34714 | | 17 | 29 | 29 | | 75 |
| OM34715 | | 17 | 29 | 29 | | 100 |

| | | | | | | |
|---------|-------------|------|----|------|-----|-----|
| OM30938 | BT50 MCA 08 | 8.5 | 13 | 23 | M8 | 50 |
| OM30939 | | 8.5 | 13 | 25 | | 100 |
| OM30940 | | 8.5 | 13 | 30 | | 150 |
| OM30941 | BT50 MCA 10 | 10.5 | 18 | 23 | M10 | 50 |
| OM30942 | | 10.5 | 18 | 32 | | 100 |
| OM30943 | | 10.5 | 18 | 36.5 | | 150 |
| OM30944 | BT50 MCA 12 | 12.5 | 21 | 24 | M12 | 50 |
| OM30945 | | 12.5 | 21 | 33 | | 100 |
| OM30946 | | 12.5 | 21 | 40 | | 150 |
| OM30947 | BT50 MCA 16 | 17 | 29 | 34 | M16 | 50 |
| OM30948 | | 17 | 29 | 36 | | 100 |
| OM30949 | | 17 | 29 | 42.5 | | 150 |



BT (MAS403)



MANDRINS PORTE-FRAISES

BT30

- BT MAS403 (JIS 6339)
- Pour serrage d'outils avec queue cylindrique et méplat Weldon
- Vis de serrage de rechange - Page 182

| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------|--------------------------|--------------------|-------|------------------|
| OM31017 | BT30 W 06 | 6mm | 50 | AD | G2.5 @20,000 RPM |
| OM31018 | BT30 W 08 | 8mm | 50 | AD | G2.5 @20,000 RPM |
| OM31019 | BT30 W 10 | 10mm | 50 | AD | G2.5 @20,000 RPM |
| OM31020 | BT30 W 12 | 12mm | 63 | AD | G2.5 @20,000 RPM |
| OM31021 | BT30 W 16 | 16mm | 63 | AD | G2.5 @20,000 RPM |
| OM31022 | BT30 W 20 | 20mm | 63 | AD | G2.5 @20,000 RPM |



MANDRINS PORTE-FRAISES

BT40

- BT MAS403 (JIS 6339)
- Pour serrage d'outils avec queue cylindrique et méplat Weldon
- Large gamme de longueur de jauge disponible
- Vis de serrage de rechange - Page 182

| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------|--------------------------|--------------------|-------|------------------|
| OM31078 | BT40 W 06 | 6mm | 50 | AD | G2.5 @20,000 RPM |
| OM31651 | | | 50 | AD/B | G2.5 @25,000 RPM |
| OM31079 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31652 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31653 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36200 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31080 | BT40 W 08 | 8mm | 50 | AD | G2.5 @20,000 RPM |
| OM31655 | | | 50 | AD/B | G2.5 @25,000 RPM |
| OM31081 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31656 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31657 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36201 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31082 | BT40 W 10 | 10mm | 63 | AD | G2.5 @20,000 RPM |
| OM31659 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31083 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31660 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31661 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36202 | | | 200 | AD | G6.3 @15,000 RPM |



MANDRINS PORTE-FRAISES

BT40

| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) | Forme | Equilibrage | | |
|--------------|-------------|--------------------------|--------------------|-------|------------------|----|------------------|
| OM31084 | BT40 W 12 | 12mm | 63 | AD | G2.5 @20,000 RPM | | |
| OM31663 | | | 63 | AD/B | G2.5 @25,000 RPM | | |
| OM31085 | | | 100 | AD | G2.5 @20,000 RPM | | |
| OM31664 | | | 100 | AD/B | G2.5 @25,000 RPM | | |
| OM31665 | | | 160 | AD/B | G2.5 @25,000 RPM | | |
| OM36203 | | | 200 | AD | G6.3 @15,000 RPM | | |
| OM31553 | BT40 W 14 | 14mm | 63 | AD | G2.5 @20,000 RPM | | |
| OM31559 | | | 100 | AD | G2.5 @20,000 RPM | | |
| OM31351 | BT40 W 16 | 16mm | 35 | AD | G2.5 @20,000 RPM | | |
| OM31086 | | | 63 | AD | G2.5 @20,000 RPM | | |
| OM31539 | | | 63 | AD/B | G2.5 @25,000 RPM | | |
| OM31087 | | | 100 | AD | G2.5 @20,000 RPM | | |
| OM31667 | | | 100 | AD/B | G2.5 @25,000 RPM | | |
| OM30197 | | | 160 | AD | G2.5 @20,000 RPM | | |
| OM31668 | | | 160 | AD/B | G2.5 @25,000 RPM | | |
| OM30198 | | | 200 | AD | G2.5 @20,000 RPM | | |
| OM31088 | | | BT40 W 18 | 18mm | 63 | AD | G2.5 @20,000 RPM |
| OM30199 | | | | | 100 | AD | G2.5 @20,000 RPM |
| OM30254 | 160 | AD | | | G2.5 @20,000 RPM | | |
| OM31352 | BT40 W 20 | 20mm | 35 | AD | G2.5 @20,000 RPM | | |
| OM31090 | | | 63 | AD | G2.5 @20,000 RPM | | |
| OM31541 | | | 63 | AD/B | G2.5 @25,000 RPM | | |
| OM31089 | | | 100 | AD | G2.5 @20,000 RPM | | |
| OM31670 | | | 100 | AD/B | G2.5 @25,000 RPM | | |
| OM30255 | | | 160 | AD | G2.5 @20,000 RPM | | |
| OM31671 | | | 160 | AD/B | G2.5 @25,000 RPM | | |
| OM30256 | | | 200 | AD | G2.5 @20,000 RPM | | |
| OM31353 | BT40 W 25 | 25mm | 35 | AD | G2.5 @20,000 RPM | | |
| OM31093 | | | 70 | AD | G2.5 @20,000 RPM | | |
| OM31673 | | | 70 | AD/B | G2.5 @25,000 RPM | | |
| OM31094 | | | 90 | AD | G2.5 @20,000 RPM | | |
| OM31549 | | | 100 | AD | G2.5 @20,000 RPM | | |
| OM31674 | | | 100 | AD/B | G2.5 @25,000 RPM | | |
| OM31675 | | | 160 | AD/B | G2.5 @25,000 RPM | | |
| OM30781 | | | 200 | AD | G2.5 @20,000 RPM | | |
| OM31354 | BT40 W 32 | 32mm | 65 | AD | G2.5 @20,000 RPM | | |
| OM31095 | | | 100 | AD | G2.5 @20,000 RPM | | |
| OM31677 | | | 100 | AD/B | G2.5 @25,000 RPM | | |
| OM31678 | | | 160 | AD/B | G2.5 @25,000 RPM | | |
| OM36204 | | | 200 | AD | G6.3 @15,000 RPM | | |
| OM31096 | BT40 W40 | 40mm | 120 | AD | G2.5 @20,000 RPM | | |



BT (MAS403)

MANDRINS PORTE-FRAISES BT50

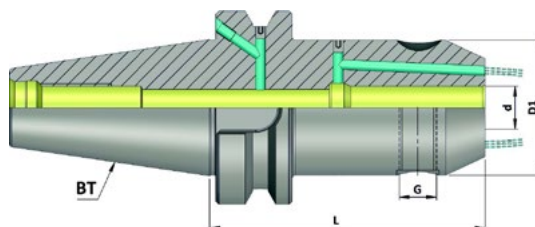
- BT MAS403 (JIS 6339)
- Pour serrage d'outils avec queue cylindrique et méplat Weldon
- Large gamme de longueur de jauge disponible
- Vis de serrage de rechange - Page 182



| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------|--------------------------|--------------------|-------|------------------|
| OM31153 | BT50 W 06 | 6mm | 63 | AD | G6.3 @15,000 RPM |
| OM31796 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31797 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31798 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM31154 | BT50 W 08 | 8mm | 63 | AD | G6.3 @15,000 RPM |
| OM31800 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31801 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31802 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM31156 | BT50 W 10 | 10mm | 63 | AD | G6.3 @15,000 RPM |
| OM31804 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31805 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31806 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM31157 | BT50 W 12 | 12mm | 80 | AD | G6.3 @15,000 RPM |
| OM31808 | | | 80 | AD/B | G2.5 @25,000 RPM |
| OM31809 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31810 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36208 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31159 | BT50 W 16 | 16mm | 80 | AD | G6.3 @15,000 RPM |
| OM31812 | | | 80 | AD/B | G2.5 @25,000 RPM |
| OM31813 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31814 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36209 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31160 | BT50 W 20 | 20mm | 80 | AD | G6.3 @15,000 RPM |
| OM31816 | | | 80 | AD/B | G2.5 @25,000 RPM |
| OM31817 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31818 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36210 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31162 | BT50 W 25 | 25mm | 100 | AD | G6.3 @15,000 RPM |
| OM31820 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31821 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36211 | | | 200 | AD | G6.3 @15,000 RPM |
| OM33688 | BT50 W 32 | 32mm | 100 | AD | G6.3 @15,000 RPM |
| OM31823 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31824 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36212 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31167 | BT50 W 40 | 40mm | 110 | AD | G6.3 @15,000 RPM |
| OM31826 | | | 110 | AD/B | G2.5 @25,000 RPM |
| OM36213 | | | 160 | AD | G6.3 @15,000 RPM |
| OM30187 | BT50 W 50 | 50mm | 120 | AD | G6.3 @15,000 RPM |

MANDRIN PORTE FRAISE AVEC LUBRIFICATION FRONTALE BT40 & BT50

- BT MAS403 (JIS 6339)
- Pour des outils avec queue weldon
- Avec lubrification frontale
- Forme AD/B
- Equilibré G2,5 @25000tr



BT (MAS403)

| Code Article | Description | Diamètre de serrage (d) | D1 | G | Long de jauge (L) |
|--------------|------------------------|-------------------------|----|-------|-------------------|
| OM30757 | BT40 W 06 50 AD/B FCC | 6 | 25 | M6 | 50 |
| OM36233 | BT40 W 06 100 AD/B FCC | | | | 100 |
| OM36234 | BT40 W 06 160 AD/B FCC | | | | 160 |
| OM30758 | BT40 W 08 50 AD/B FCC | 8 | 28 | M8 | 50 |
| OM36235 | BT40 W 08 100 AD/B FCC | | | | 100 |
| OM36236 | BT40 W 08 160 AD/B FCC | | | | 160 |
| OM30759 | BT40 W 10 63 AD/B FCC | 10 | 35 | M10 | 63 |
| OM36237 | BT40 W 10 100 AD/B FCC | | | | 100 |
| OM36238 | BT40 W 10 160 AD/B FCC | | | | 160 |
| OM30760 | BT40 W 12 63 AD/B FCC | 12 | 42 | M12 | 63 |
| OM36239 | BT40 W 12 100 AD/B FCC | | | | 100 |
| OM36240 | BT40 W 12 160 AD/B FCC | | | | 160 |
| OM36241 | BT40 W 14 63 AD/B FCC | 14 | 44 | M12 | 63 |
| OM36242 | BT40 W 14 100 AD/B FCC | | | | 100 |
| OM36243 | BT40 W 14 160 AD/B FCC | | | | 160 |
| OM30761 | BT40 W 16 63 AD/B FCC | 16 | 48 | M14 | 63 |
| OM36244 | BT40 W 16 100 AD/B FCC | | | | 100 |
| OM36245 | BT40 W 16 160 AD/B FCC | | | | 160 |
| OM36246 | BT40 W 18 63 AD/B FCC | 18 | 50 | M14 | 63 |
| OM36247 | BT40 W 18 100 AD/B FCC | | | | 100 |
| OM36248 | BT40 W 18 160 AD/B FCC | | | | 160 |
| OM30762 | BT40 W 20 63 AD/B FCC | 20 | 52 | M16 | 63 |
| OM36249 | BT40 W 20 100 AD/B FCC | | | | 100 |
| OM36250 | BT40 W 20 160 AD/B FCC | | | | 160 |
| OM36251 | BT40 W 25 90 AD/B FCC | 25 | 65 | M18x2 | 90 |
| OM36252 | BT40 W 25 160 AD/B FCC | | | | 160 |
| OM36253 | BT40 W 32 100 AD/B FCC | 32 | 72 | M20x2 | 100 |
| OM36254 | BT40 W 32 160 AD/B FCC | | | | 160 |
| OM36255 | BT40 W 40 105 AD/B FCC | 40 | 80 | M20x2 | 105 |
| OM36256 | BT40 W 40 160 AD/B FCC | | | | 160 |

| Code Article | Description | Diamètre de serrage (d) | D1 | G | Long de jauge (L) |
|--------------|------------------------|-------------------------|-----|-------|-------------------|
| OM36351 | BT50 W 06 63 AD/B FCC | 6 | 25 | M6 | 63 |
| OM36352 | BT50 W 06 100 AD/B FCC | | | | 100 |
| OM36353 | BT50 W 06 160 AD/B FCC | | | | 160 |
| OM36354 | BT50 W 08 63 AD/B FCC | 8 | 28 | M8 | 63 |
| OM36355 | BT50 W 08 100 AD/B FCC | | | | 100 |
| OM36356 | BT50 W 08 160 AD/B FCC | | | | 160 |
| OM36357 | BT50 W 10 80 AD/B FCC | 10 | 35 | M10 | 80 |
| OM36358 | BT50 W 10 100 AD/B FCC | | | | 100 |
| OM36359 | BT50 W 10 160 AD/B FCC | | | | 160 |
| OM36360 | BT50 W 12 80 AD/B FCC | 12 | 42 | M12 | 80 |
| OM36361 | BT50 W 12 100 AD/B FCC | | | | 100 |
| OM36362 | BT50 W 12 160 AD/B FCC | | | | 160 |
| OM36363 | BT50 W 14 80 AD/B FCC | 14 | 44 | M12 | 80 |
| OM36364 | BT50 W 14 100 AD/B FCC | | | | 100 |
| OM36365 | BT50 W 14 160 AD/B FCC | | | | 160 |
| OM36366 | BT50 W 16 80 AD/B FCC | 16 | 48 | M14 | 80 |
| OM36367 | BT50 W 16 100 AD/B FCC | | | | 100 |
| OM36368 | BT50 W 16 160 AD/B FCC | | | | 160 |
| OM36369 | BT50 W 18 80 AD/B FCC | 18 | 50 | M14 | 80 |
| OM36370 | BT50 W 18 100 AD/B FCC | | | | 100 |
| OM36371 | BT50 W 18 160 AD/B FCC | | | | 160 |
| OM36372 | BT50 W 20 80 AD/B FCC | 20 | 52 | M16 | 80 |
| OM36373 | BT50 W 20 100 AD/B FCC | | | | 100 |
| OM36374 | BT50 W 20 160 AD/B FCC | | | | 160 |
| OM36375 | BT50 W 25 100 AD/B FCC | 25 | 65 | M18x2 | 100 |
| OM36376 | BT50 W 25 160 AD/B FCC | | | | 160 |
| OM36377 | BT50 W 32 105 AD/B FCC | 32 | 72 | M20x2 | 105 |
| OM36378 | BT50 W 32 160 AD/B FCC | | | | 160 |
| OM36379 | BT50 W 40 115 AD/B FCC | 40 | 80 | M20x2 | 115 |
| OM36380 | BT50 W 40 160 AD/B FCC | | | | 160 |
| OM36381 | BT50 W 50 125 AD/B FCC | 50 | 100 | M24x2 | 125 |

MANDRIN PORTE FRAISE À TROU STANDARD BT30, BT40 & BT50

- BT MAS403 (JIS 6339)
- Sans trou de lubrification
- Pour monter des fraises à trou

| Code Article | Description | Ø Tenon | Long de jauge (mm) | Equilibrage |
|--------------|--------------------|-------------|--------------------|------------------|
| OM31979 | BT30 FMB 16 | 16mm | 40 | G2.5 @20,000 RPM |
| OM31009 | BT30 FMB 22 | 22mm | 40 | G2.5 @20,000 RPM |
| OM31011 | BT30 FMB 27 | 27mm | 45 | G2.5 @20,000 RPM |
| OM31012 | BT30 FMB 32 | 32mm | 45 | G2.5 @20,000 RPM |

| | | | | |
|---------|--------------------|-------------|-----|------------------|
| OM31063 | BT40 FMB 16 | 16mm | 45 | G6.3 @15,000 RPM |
| OM31062 | | | 100 | G6.3 @15,000 RPM |
| OM31355 | | | 160 | G6.3 @15,000 RPM |
| OM30193 | | | 200 | G6.3 @15,000 RPM |
| OM31065 | BT40 FMB 22 | 22mm | 45 | G6.3 @15,000 RPM |
| OM31064 | | | 100 | G6.3 @15,000 RPM |
| OM31356 | | | 160 | G6.3 @15,000 RPM |
| OM31634 | | | 200 | G6.3 @15,000 RPM |
| OM30194 | | | 250 | G6.3 @15,000 RPM |
| OM30195 | | | 300 | G6.3 @15,000 RPM |
| OM31067 | BT40 FMB 27 | 27mm | 45 | G6.3 @15,000 RPM |
| OM31066 | | | 100 | G6.3 @15,000 RPM |
| OM31357 | | | 160 | G6.3 @15,000 RPM |
| OM30783 | | | 200 | G6.3 @15,000 RPM |
| OM30784 | | | 250 | G6.3 @15,000 RPM |
| OM30196 | | | 300 | G6.3 @15,000 RPM |
| OM31068 | BT40 FMB 32 | 32mm | 45 | G6.3 @15,000 RPM |
| OM31070 | BT40 FMB 40 | 40mm | 60 | G6.3 @15,000 RPM |

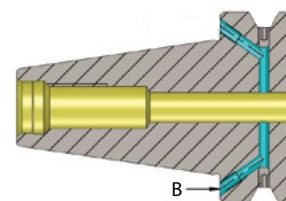
| | | | | |
|---------|--------------------|-------------|-----|------------------|
| OM33687 | BT50 FMB 22 | 22mm | 60 | G6.3 @15,000 RPM |
| OM31135 | | | 100 | G6.3 @15,000 RPM |
| OM31136 | | | 150 | G6.3 @15,000 RPM |
| OM31141 | BT50 FMB 27 | 27mm | 60 | G6.3 @15,000 RPM |
| OM31138 | | | 100 | G6.3 @15,000 RPM |
| OM31139 | | | 150 | G6.3 @15,000 RPM |
| OM31144 | BT50 FMB 32 | 32mm | 60 | G6.3 @15,000 RPM |
| OM31142 | | | 100 | G6.3 @15,000 RPM |
| OM31146 | BT50 FMB 40 | 40mm | 60 | G6.3 @15,000 RPM |
| OM31145 | | | 100 | G6.3 @15,000 RPM |



MANDRIN PORTE FRAISE À TROU AVEC TROU DE LUBRIFICATION BT40 & BT50

- BT MAS403 (JIS 6339)
- Pour Monter des Fraises à Surfacer
- Large gamme de longueur disponible
- AD/B + Cool arrosage au centre plus collerette

Avec arrosage au centre & sur la collerette



| Code Article | Description | Ø Tenon | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------|---------|--------------------|-------------|------------------|
| OM31680 | BT40 FMB 16 | 16mm | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31681 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31682 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31684 | BT40 FMB 22 | 22mm | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31685 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31686 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31687 | | | 200 | AD/B + Cool | G6.3 @15,000 RPM |
| OM31688 | BT40 FMB 27 | 27mm | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31689 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31690 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31692 | BT40 FMB 32 | 32mm | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31693 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31694 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31695 | | | 200 | AD/B + Cool | G6.3 @15,000 RPM |
| OM31696 | BT40 FMB 40 | 40mm | 60 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31697 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31698 | | | 160 | AD/B + Cool | G6.3 @15,000 RPM |

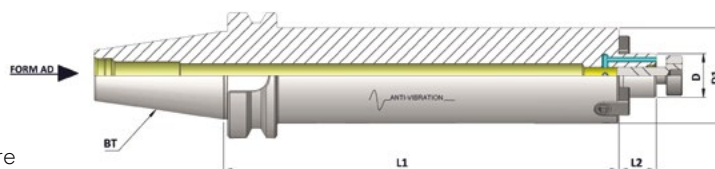
| | | | | | |
|---------|-------------|------|-----|-------------|------------------|
| OM31829 | BT50 FMB 16 | 16mm | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31830 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31831 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31832 | | | 200 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31836 | BT50 FMB 22 | 22mm | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31837 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31838 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31839 | | | 200 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31843 | BT50 FMB 27 | 27mm | 50 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31844 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31845 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31846 | | | 200 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31850 | BT50 FMB 32 | 32mm | 50 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31851 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31852 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31853 | | | 200 | AD/B + Cool | G6.3 @15,000 RPM |
| OM31857 | BT50 FMB 40 | 40mm | 60 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31858 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31859 | | | 160 | AD/B + Cool | G6.3 @15,000 RPM |
| OM31860 | | | 200 | AD/B + Cool | G6.3 @15,000 RPM |
| OM31861 | | | 250 | AD/B + Cool | G6.3 @15,000 RPM |



BT (MAS403)

MANDRIN POUR FRAISE À TROU LISSE ANTI VIBRATOIRE

- BT MAS403 (JIS 6339)
- Pour monter des fraises à trou
- Forme AD – Avec arrosage au centre



| Code Article | Description | Ø Tenon (D) | D1 | Long de jauge (L1) | L2 | Equilibrage |
|--------------|----------------|-------------|----|--------------------|----|-----------------|
| OM33750 | BT40 FMB AV 16 | 16mm | 38 | 200 | 17 | G6.3 @8,000 RPM |
| OM36453 | | | | 250 | | G6.3 @8,000 RPM |
| OM33751 | | | | 300 | | G6.3 @8,000 RPM |
| OM33752 | BT40 FMB AV 22 | 22mm | 48 | 200 | 19 | G6.3 @8,000 RPM |
| OM36454 | | | | 250 | | G6.3 @8,000 RPM |
| OM33753 | | | | 300 | | G6.3 @8,000 RPM |
| OM33754 | BT40 FMB AV 27 | 27mm | 58 | 200 | 21 | G6.3 @8,000 RPM |
| OM36455 | | | | 250 | | G6.3 @8,000 RPM |
| OM36456 | | | | 300 | | G6.3 @8,000 RPM |

| | | | | | | |
|---------|----------------|------|----|-----|----|-----------------|
| OM33755 | BT50 FMB AV 16 | 16mm | 38 | 200 | 17 | G6.3 @8,000 RPM |
| OM36457 | | | | 250 | | G6.3 @8,000 RPM |
| OM33756 | | | | 300 | | G6.3 @8,000 RPM |
| OM36458 | | | | 350 | | G6.3 @8,000 RPM |
| OM33757 | | | | 400 | | G6.3 @8,000 RPM |
| OM33758 | BT50 FMB AV 22 | 22mm | 48 | 200 | 19 | G6.3 @8,000 RPM |
| OM36459 | | | | 250 | | G6.3 @8,000 RPM |
| OM33759 | | | | 300 | | G6.3 @8,000 RPM |
| OM36460 | | | | 350 | | G6.3 @8,000 RPM |
| OM33760 | BT50 FMB AV 27 | 27mm | 58 | 400 | 21 | G6.3 @8,000 RPM |
| OM33761 | | | | 200 | | G6.3 @8,000 RPM |
| OM36461 | | | | 250 | | G6.3 @8,000 RPM |
| OM33762 | | | | 300 | | G6.3 @8,000 RPM |
| OM36462 | BT50 FMB AV 32 | 32mm | 78 | 350 | 24 | G6.3 @8,000 RPM |
| OM33763 | | | | 400 | | G6.3 @8,000 RPM |
| OM36463 | | | | 200 | | G6.3 @8,000 RPM |
| OM36464 | | | | 250 | | G6.3 @8,000 RPM |
| OM33764 | BT50 FMB AV 32 | 32mm | 78 | 300 | 24 | G6.3 @8,000 RPM |
| OM36465 | | | | 350 | | G6.3 @8,000 RPM |
| OM36466 | | | | 400 | | G6.3 @8,000 RPM |

MANDRINS PORTE FRAISE À TROU COMBI BT30, BT40 & BT50

- BT MAS403 (JIS 6339)
- Pour le serrage de Fraises à rainure
- Equilibré G6,3 @ 15000tr

| Code Article | Description | Ø Tenon | Long de jauge (mm) |
|--------------|---------------|---------|--------------------|
| OM31001 | BT30 COMBI 16 | 16mm | 55 |
| OM31002 | BT30 COMBI 22 | 22mm | 55 |
| OM31003 | BT30 COMBI 27 | 27mm | 55 |

| | | | |
|---------|---------------|------|-----|
| OM31031 | BT40 COMBI 16 | 16mm | 55 |
| OM31030 | | | 100 |
| OM31033 | BT40 COMBI 22 | 22mm | 55 |
| OM31032 | | | 100 |
| OM31035 | BT40 COMBI 27 | 27mm | 55 |
| OM31034 | | | 100 |
| OM31036 | BT40 COMBI 32 | 32mm | 60 |
| OM31037 | BT40 COMBI 40 | 40mm | 60 |

| | | | |
|---------|---------------|------|----|
| OM31104 | BT50 COMBI 16 | 16mm | 70 |
| OM31105 | BT50 COMBI 22 | 22mm | 70 |
| OM31527 | BT50 COMBI 27 | 27mm | 70 |
| OM31110 | BT50 COMBI 32 | 32mm | 75 |
| OM31113 | BT50 COMBI 40 | 40mm | 75 |



BT (MAS403)

MANDRIN POUR CONE MORSE BT30, BT40 & BT50

- BT MAS403 (JIS 6339)
- Pour Outils avec Queue Cone Morse
- G2.5 @ 20,000 Tr

| Code Article | Description | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------|--------------------|-------|-------------------|
| OM31014 | BT30 MTA 1 | 45 | AD | G2.5 @ 20,000 RPM |
| OM31015 | BT30 MTA 2 | 60 | AD | G2.5 @ 20,000 RPM |
| OM31016 | BT30 MTA 3 | 75 | AD | G2.5 @ 20,000 RPM |

| | | | | |
|---------|------------|----|----|-------------------|
| OM31073 | BT40 MTA 1 | 50 | AD | G2.5 @ 20,000 RPM |
| OM31074 | BT40 MTA 2 | 50 | AD | G2.5 @ 20,000 RPM |
| OM31075 | BT40 MTA 3 | 70 | AD | G2.5 @ 20,000 RPM |
| OM31076 | BT40 MTA 4 | 95 | AD | G2.5 @ 20,000 RPM |

| | | | | |
|---------|------------|-----|----|-------------------|
| OM31148 | BT50 MTA 1 | 45 | AD | G6.3 @ 15,000 RPM |
| OM31149 | BT50 MTA 2 | 50 | AD | G6.3 @ 15,000 RPM |
| OM31150 | BT50 MTA 3 | 65 | AD | G6.3 @ 15,000 RPM |
| OM31151 | BT50 MTA 4 | 95 | AD | G6.3 @ 15,000 RPM |
| OM31152 | BT50 MTA 5 | 105 | AD | G6.3 @ 15,000 RPM |



BT (MAS403)

MANDRIN POUR CONE MORSE AVEC VIS INCORPORÉE BT40

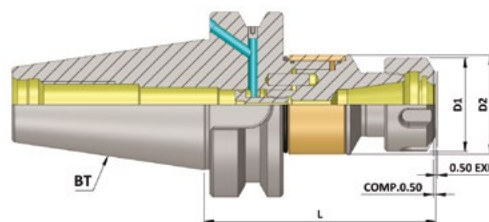
- BT MAS403 (JIS 6339)
- Pour outils Cone Morse sans tenon
- G6.3 @ 15,000 Tr
- Avec vis incorporée

| Code Article | Description | Long de jauge (mm) |
|--------------|-------------|--------------------|
| OM30269 | BT40 MTB 1 | 45 |
| OM30270 | BT40 MTB 2 | 60 |
| OM30271 | BT40 MTB 3 | 75 |
| OM30272 | BT40 MTB 4 | 100 |



MANDRIN DE TARAUDAGE POUR BROCHE SYNCHRON BT30, BT40 & BT50

- BT MAS403 (JIS 6339)
- Mandrin de Taraudage Compensation long Mini
- +/-0.5mm Compression & Expansion
- La Concentricité élevée Permet un Taraudage à grande Vitesse
- Recommandé pour utilisation avec des pinces type QCTC
- Pinces QCTC - Page 150
- Pièces détachées – Page 178



| Code Article | Description | Capacité | Plage de Serrage (mm) | Ecrou | Forme | Dimensions (mm) | | | | |
|--------------|----------------------|----------|-----------------------|-------|-------|-----------------|----|----|-------|------|
| | | | | | | D1 | D2 | L | Comp. | Exp. |
| OM32382 | BT30 MLC ER16 | M3-M12 | 1-10 | ER16 | AD | 32 | 34 | 79 | 0.5 | 0.5 |
| OM32383 | BT30 MLC ER20 | M3-M16 | 3.5-10 | ER20 | AD | 35 | 34 | 80 | 0.5 | 0.5 |

| | | | | | | | | | | |
|---------|----------------------|--------|--------|------|------|----|----|-----|-----|-----|
| OM32384 | BT40 MLC ER16 | M3-M12 | 1-10 | ER16 | AD/B | 32 | 34 | 79 | 0.5 | 0.5 |
| OM32385 | BT40 MLC ER20 | M3-M16 | 3.5-10 | ER20 | AD/B | 35 | 34 | 85 | 0.5 | 0.5 |
| OM32386 | BT40 MLC ER25 | M3-M20 | 3.5-16 | ER25 | AD/B | 42 | 34 | 89 | 0.5 | 0.5 |
| OM32418 | BT40 MLC ER32 | M4-M27 | 3.5-20 | ER32 | AD/B | 50 | 45 | 110 | 0.5 | 0.5 |
| OM32433 | BT40 MLC ER40 | M6-M33 | 6-26 | ER40 | AD/B | 63 | 62 | 115 | 0.5 | 0.5 |

| | | | | | | | | | | |
|---------|----------------------|--------|--------|------|------|----|----|-----|-----|-----|
| OM32434 | BT50 MLC ER16 | M3-M12 | 1-10 | ER16 | AD/B | 32 | 34 | 95 | 0.5 | 0.5 |
| OM32435 | BT50 MLC ER20 | M3-M16 | 3.5-10 | ER20 | AD/B | 35 | 34 | 100 | 0.5 | 0.5 |
| OM32436 | BT50 MLC ER25 | M3-M20 | 3.5-16 | ER25 | AD/B | 42 | 34 | 110 | 0.5 | 0.5 |
| OM32437 | BT50 MLC ER32 | M4-M27 | 3.5-20 | ER32 | AD/B | 50 | 45 | 120 | 0.5 | 0.5 |
| OM32438 | BT50 MLC ER40 | M6-M33 | 6-26 | ER40 | AD/B | 63 | 62 | 120 | 0.5 | 0.5 |



BT (MAS403)

MANDRIN DE TARAUDAGE À CHANGEMENT RAPIDE BT40 & BT50

- BT MAS403 (JIS 6339)
- Compensation Axiale
- Avec Tension et Compression
- Douilles de changement rapide disponible en 3 tailles
- Douilles de changement rapide - Page 156

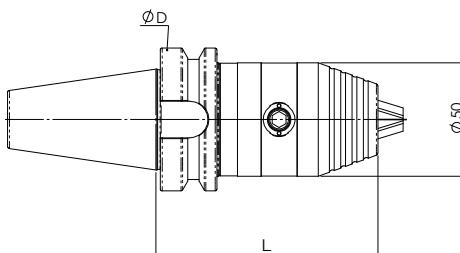
| Code Article | Description | Long de jauge (mm) | Plage de Taraudage |
|--------------|---------------------------------|--------------------|--------------------|
| OM31097 | BT40 Size 1 (TC312-65) | 65 | M3 - M12 |
| OM31098 | BT40 Size 2 (TC820-93) | 93 | M6 - M20 |
| OM31385 | BT40 Size 3 (TC1433-142) | 142 | M14 - M36 |

| | | | |
|---------|---------------------------------|-----|-----------|
| OM31386 | BT50 Size 1 (TC312-100) | 100 | M3 - M12 |
| OM31387 | BT50 Size 2 (TC820-100) | 100 | M6 - M20 |
| OM31388 | BT50 Size 3 (TC1433-142) | 142 | M14 - M36 |



MANDRIN DE PERÇAGE AVEC SERRAGE À CLÉ HEXAGONALE BT40 & BT50

- BT MAS403 (JIS 6339)
- Mandrin de perçage standard
- Forte force de serrage dans le sens des aiguille d'une montre et dans le sens opposé
- Haute résistance à l'usure avec les mors en Titane
- Clé Hexagonale de rechange - Page 181

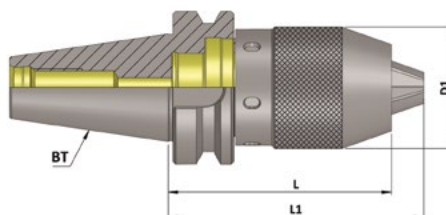


| Code Article | Description | Dimensions (mm) | | |
|--------------|-----------------|-----------------|-----|-----|
| | | Capacité | L | D |
| OM33658 | BT40 GHK 13 98 | 0.3-13 | 98 | 63 |
| OM33659 | BT40 GHK 16 103 | 1.5-16 | 103 | 63 |
| OM33660 | BT50 GHK 13 109 | 0.3-13 | 109 | 100 |
| OM33661 | BT50 GHK 16 114 | 1.5-16 | 114 | 100 |

BT (MAS403)

MANDRINS DE PERÇAGE NCDC BT30, BT40 & BT50

- BT MAS403 (JIS 6339)
- Mandrin de Perçage de haute Précision
- Rigidité Maximum
- Clé de serrage NCDC - Page 181



| Code Article | Description | Dimensions (mm) | | | |
|--------------|------------------|-----------------|----|-------|-----|
| | | Capacité | D1 | L | L1 |
| OM33652 | BT30 NCDC 1-13mm | 1-13mm | 50 | 112.5 | 125 |
| OM33653 | BT40 NCDC 1-13mm | 1-13mm | 50 | 92.5 | 105 |
| OM33654 | BT50 NCDC 1-13mm | 1-13mm | 50 | 107.5 | 120 |

MANDRINS DE PERÇAGE APU BT30, BT40 & BT50

- BT MAS403 (JIS 6339)
- Mandrin de perçage auto-serrant version économique
- Clé APU - Page 181

| Code Article | Description | Long de jauge (mm) | Capacité |
|--------------|-------------------|--------------------|----------|
| OM31000 | BT30 APU13 1-13mm | 110 | 1-13mm |
| OM31026 | BT40 APU13 1-13mm | 100 | 1-13mm |
| OM31028 | BT40 APU16 3-16mm | 120 | 3-16mm |
| OM31100 | BT50 APU13 1-13mm | 100 | 1-13mm |
| OM31101 | BT50 APU16 3-16mm | 120 | 3-16mm |



ATTACHEMENT POUR MANDRIN DE PERÇAGE BT30, BT40 & BT50

- BT MAS403 (JIS 6339)
- Pour monter des mandrins de perçage
- Mandrins de perçage - Page 168

| Code Article | Description | Equilibrage |
|--------------|-----------------|-------------------|
| OM31013 | BT30 JT6 | G6.3 @ 12,000 RPM |
| OM31532 | BT30 B16 | G6.3 @ 12,000 RPM |
| OM31072 | BT40 JT6 | G6.3 @ 12,000 RPM |
| OM31029 | BT40 B16 | G6.3 @ 12,000 RPM |
| OM31147 | BT50 JT6 | G6.3 @ 12,000 RPM |
| OM31533 | BT50 B16 | G6.3 @ 12,000 RPM |



BT (MAS403)

MANDRIN DE CONTROLE BT30, BT40 & BT50

- BT MAS403 (JIS 6339)
- Mandrin de controle
- Fournis avec un coffret de protection en bois

| Code Article | Description | Diamètre (mm) | Long de jauge (mm) |
|--------------|------------------------|---------------|--------------------|
| OM33741 | BT30 Test Arbor | 32 | 250 |
| OM33742 | BT40 Test Arbor | 40 | 300 |
| OM33743 | BT50 Test Arbor | 50 | 350 |



BARRES D'ALÉSAGE D'ÉBAUCHES BT40 & BT50

- BT MAS403 (JIS 6339)
- Pour fabrication d'outils spéciaux

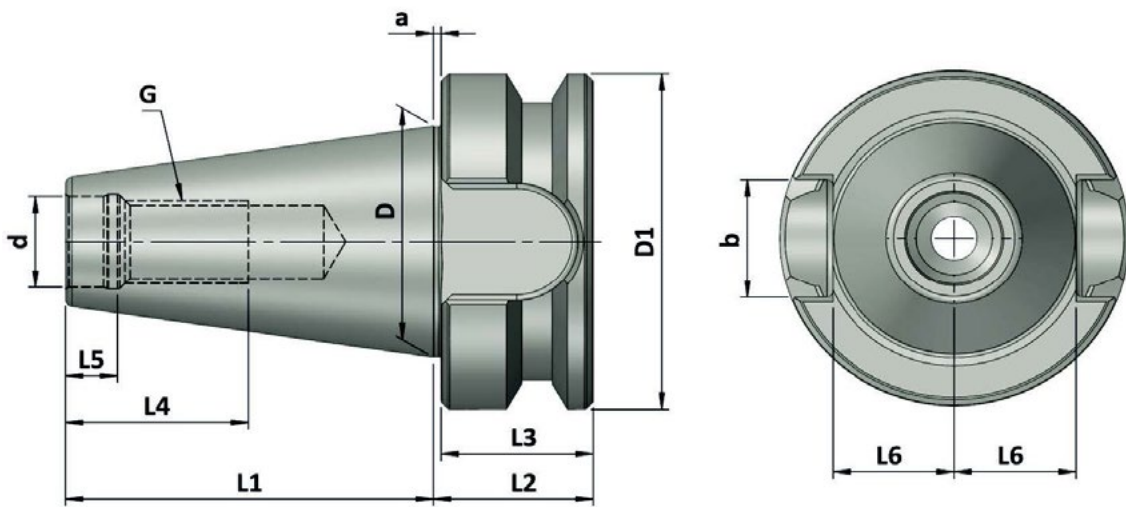
| Code Article | Description | Diamètre (mm) | Long de jauge (mm) |
|--------------|----------------------------|---------------|--------------------|
| OM30291 | BT40 EBAUCHE 63 250 | 63 | 250 |
| OM30292 | BT50 BLANK 97 315 | 97 | 315 |



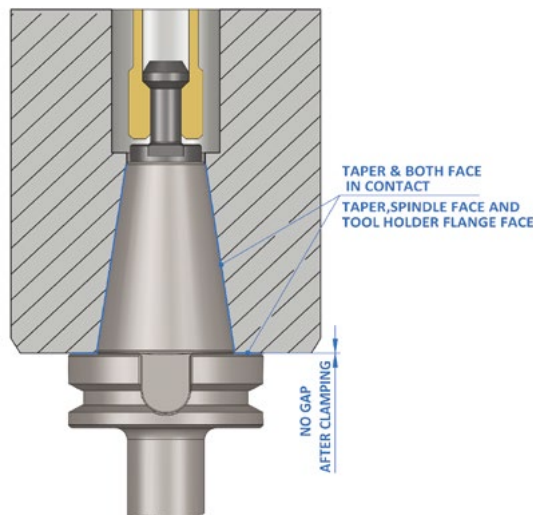
DCBT

DCBT

- Les mandrins Cône Face DCBT ont plus de rigidités que les mandrins standard BT
- Plus grande rigidité radiale
- Fabriqué en acier de cémentation résistance min. 950 N/mm²
- Tolerance AT3



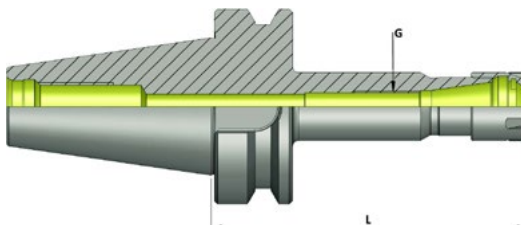
| ISO | d | D | D1 | a | b | G | L1 | L2 | L3 | L4 | L5 | L6 |
|-----|------|-------|-----|-----|------|-----|-------|----|------|----|------|------|
| 30 | 12.5 | 31.75 | 46 | 1 | 16.1 | M12 | 48.4 | 21 | 20 | 24 | 7.0 | 16.3 |
| 40 | 17 | 44.45 | 63 | 1 | 16.1 | M16 | 65.4 | 27 | 26 | 32 | 9.0 | 22.6 |
| 50 | 25 | 69.85 | 100 | 1.5 | 25.7 | M24 | 101.8 | 38 | 36.5 | 47 | 13.0 | 35.4 |



- Porte-outils Contact Direct
- Pas d'espace au montage

MANDRINS À PINCES ER MINI DCBT40

- BBT MAS403
- Contact Direct
- Mandrins à Pincés ER avec Ecrou Mini
- Forme AD
- Equilibré G2.5 @ 25,000 tr
- Pincés ER – Page 118
- Pièces détachées – Page 178

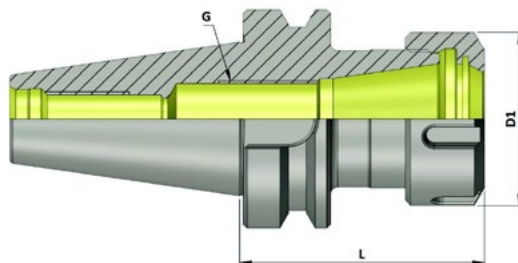


| Code Article | Description | Pince | Dimensions (mm) | | | Ecrou |
|--------------|------------------|-------|-----------------|-------|-----|------------------------|
| | | | D1 | G | L | |
| OM34581 | DCBT40 ER11 Mini | ER11 | 16 | M6x1 | 70 | ER11 Mini (OM31414) |
| OM34582 | | ER11 | 16 | M6x1 | 100 | |
| OM34583 | | ER11 | 16 | M6x1 | 160 | |
| OM34584 | DCBT40 ER16 Mini | ER16 | 22 | M10x1 | 70 | ER16 Mini (OM31415) |
| OM34585 | | ER16 | 22 | M10x1 | 100 | |
| OM34587 | | ER16 | 22 | M10x1 | 160 | |

DCBT

MANDRINS À PINCES ER DCBT30, DCBT40 & DCBT50

- BBT MAS403
- Contact Direct
- Mandrins à Pinces avec Ecrou Standard
- Forme AD
- Equilibré G2.5 @ 25,000 tr
- Pinces ER – Page 118
- Pièces détachées – Page 178



| Code Article | Description | Pince | Dimensions (mm) | | | Ecrou |
|--------------|-------------|-------|-----------------|---------|-----|----------------------------|
| | | | D1 | G | L | |
| OM34540 | DCBT30 ER16 | ER16 | 32 | M10x1 | 60 | ER16 Hexagon (OM31426) |
| OM34541 | | ER16 | 32 | M10x1 | 100 | |
| OM34544 | DCBT30 ER25 | ER25 | 42 | M18x1 | 60 | ER25 Castellated (OM31421) |
| OM34545 | | ER25 | 42 | M18x1 | 100 | |
| OM34546 | DCBT30 ER32 | ER32 | 50 | M22x1.5 | 60 | ER32 Castellated (OM31422) |
| OM34547 | | ER32 | 50 | M22x1.5 | 100 | |

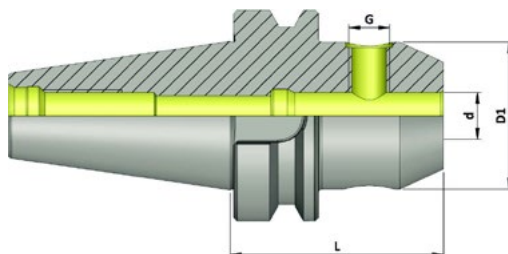
| | | | | | | |
|---------|-------------|------|----|---------|-----|----------------------------|
| OM34549 | DCBT40 ER16 | ER16 | 32 | M10x1 | 70 | ER16 Hexagon (OM31426) |
| OM34550 | | ER16 | 32 | M10x1 | 100 | |
| OM34551 | | ER16 | 32 | M10x1 | 160 | |
| OM34555 | DCBT40 ER25 | ER25 | 42 | M18x1 | 70 | ER25 Castellated (OM31421) |
| OM34556 | | ER25 | 42 | M18x1 | 100 | |
| OM34557 | | ER25 | 42 | M18x1 | 160 | |
| OM34558 | DCBT40 ER32 | ER32 | 50 | M22x1.5 | 70 | ER32 Castellated (OM31422) |
| OM34559 | | ER32 | 50 | M22x1.5 | 100 | |
| OM34560 | | ER32 | 50 | M22x1.5 | 160 | |
| OM34561 | DCBT40 ER40 | ER40 | 63 | M30x1.5 | 70 | ER40 Castellated (OM31423) |
| OM34562 | | ER40 | 63 | M30x1.5 | 100 | |

| | | | | | | |
|---------|-------------|------|----|---------|-----|----------------------------|
| OM34570 | DCBT50 ER25 | ER25 | 42 | M18x1 | 80 | ER25 Castellated (OM31421) |
| OM34571 | | ER25 | 42 | M18x1 | 100 | |
| OM34572 | | ER25 | 42 | M18x1 | 160 | |
| OM34573 | DCBT50 ER32 | ER32 | 50 | M22x1.5 | 80 | ER32 Castellated (OM31422) |
| OM34574 | | ER32 | 50 | M22x1.5 | 100 | |
| OM34575 | | ER32 | 50 | M22x1.5 | 160 | |
| OM34576 | DCBT50 ER40 | ER40 | 63 | M30x1.5 | 80 | ER40 Castellated (OM31423) |
| OM34577 | | ER40 | 63 | M30x1.5 | 100 | |
| OM34578 | | ER40 | 63 | M30x1.5 | 160 | |
| OM34579 | DCBT50 ER50 | ER50 | 78 | M16x2 | 100 | ER50 Castellated (OM31424) |

MANDRINS PORTE-FRAISES

DCBT30 & DCBT40

- BBT MAS403
- Forme AD
- Equilibré G2.5 @ 25,000 tr
- Pour serrage d'outils avec queue cylindrique et méplat Weldon
- Vis de serrage de rechange - Page 182



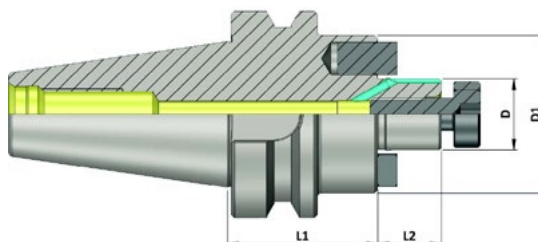
| Code Article | Description | Dimensions (mm) | | | |
|--------------|---------------|-----------------|----|-----|----|
| | | d | D1 | G | L |
| OM34595 | DCBT30 S/L 06 | 6 | 25 | M6 | 50 |
| OM34596 | DCBT30 S/L 08 | 8 | 28 | M8 | 50 |
| OM34597 | DCBT30 S/L 10 | 10 | 35 | M10 | 50 |
| OM34598 | DCBT30 S/L 12 | 12 | 42 | M12 | 55 |
| OM34599 | DCBT30 S/L 14 | 14 | 44 | M12 | 55 |
| OM34600 | DCBT30 S/L 16 | 16 | 48 | M14 | 63 |
| OM34601 | DCBT30 S/L 18 | 18 | 50 | M14 | 63 |
| OM34602 | DCBT30 S/L 20 | 20 | 52 | M16 | 70 |

| | | | | | |
|---------|---------------|----|----|-------|-----|
| OM34611 | DCBT40 S/L 06 | 6 | 25 | M6 | 50 |
| OM34614 | DCBT40 S/L 08 | 8 | 28 | M8 | 50 |
| OM34617 | DCBT40 S/L 10 | 10 | 35 | M10 | 63 |
| OM34620 | DCBT40 S/L 12 | 12 | 42 | M12 | 63 |
| OM34626 | DCBT40 S/L 16 | 16 | 48 | M14 | 63 |
| OM34629 | DCBT40 S/L 18 | 18 | 50 | M14 | 63 |
| OM34632 | DCBT40 S/L 20 | 20 | 52 | M16 | 63 |
| OM34635 | DCBT40 S/L 25 | 25 | 65 | M18x2 | 90 |
| OM34637 | DCBT40 S/L 32 | 32 | 72 | M20x2 | 100 |
| OM34639 | DCBT40 S/L 40 | 40 | 80 | M20x2 | 105 |

MANDRIN PORTE FRAISE À TROU AVEC TROU DE LUBRIFICATION

DCBT30 & DCBT40

- BBT MAS403
- Pour Monter des Fraises à Surfacer
- Equilibré G2.5 @ 25,000 tr
- DCBT30 - Sans trou de lubrification



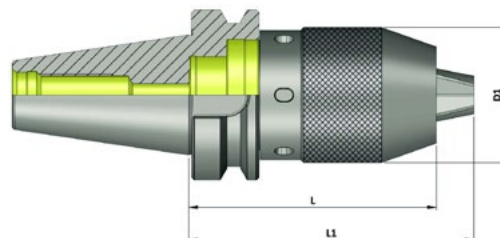
DCBT

| Code Article | Description | Dimensions (mm) | | | |
|--------------|---------------|-----------------|----|----|----|
| | | D | D1 | L1 | L2 |
| OM34811 | DCBT30 FMB 16 | 16 | 38 | 35 | 17 |
| OM34812 | DCBT30 FMB 22 | 22 | 48 | 40 | 19 |
| OM34813 | DCBT30 FMB 27 | 27 | 58 | 40 | 21 |

| | | | | | |
|---------|---------------|----|----|-----|----|
| OM34844 | DCBT40 FMB 16 | 16 | 38 | 45 | 17 |
| OM34845 | | 16 | 38 | 100 | 17 |
| OM34846 | | 16 | 38 | 160 | 17 |
| OM34847 | DCBT40 FMB 22 | 22 | 48 | 45 | 19 |
| OM34848 | | 22 | 48 | 100 | 19 |
| OM34849 | | 22 | 48 | 160 | 19 |
| OM34850 | DCBT40 FMB 27 | 27 | 58 | 45 | 21 |
| OM34851 | | 27 | 58 | 100 | 21 |
| OM34852 | | 27 | 58 | 160 | 21 |
| OM34853 | DCBT40 FMB 32 | 32 | 78 | 50 | 24 |
| OM34856 | DCBT40 FMB 40 | 40 | 88 | 55 | 27 |

MANDRINS DE PERÇAGE NCDC DCBT30 & DCBT40

- BBT MAS403
- Mandrin de Perçage de haute Précision
- Rigidité Maximum
- Clé de serrage NCDC - Page 181

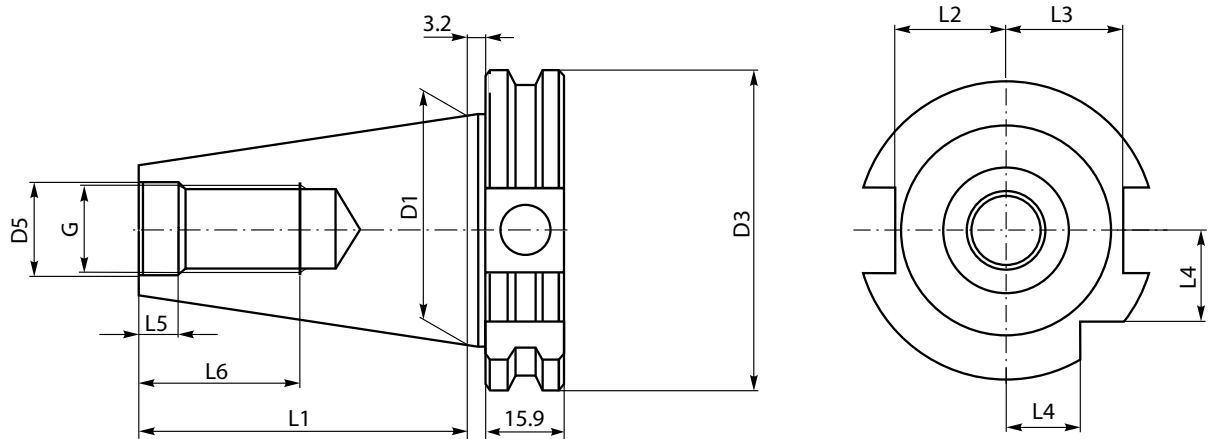


| Code Article | Description | Dimensions (mm) | | |
|--------------|--------------------|-----------------|-------|-----|
| | | D1 | L | L1 |
| OM34934 | DCBT30 NCDC 1-13mm | 50 | 112.5 | 125 |
| OM34935 | DCBT40 NCDC 1-13mm | 50 | 92.5 | 105 |

DIN 69871

DIN 69871 CARACTÉRISTIQUES TECHNIQUES

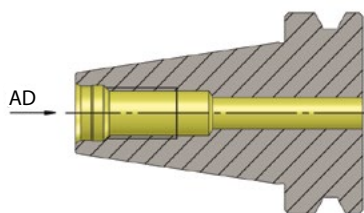
- Fabriqué en acier cémenté trempé
- Surface de traitement HRC60+2
- Profondeur de traitement 0.8mm+0.2mm
- Tolérance du cône AT3



| Taper | D1 | G | D5 | D3 | L1 | L2 | L3 | L4 | L5 | L6 |
|-------|-------|-----|------|-------|--------|------|------|------|------|----|
| 30 | 31.75 | M12 | 12.5 | 50.00 | 47.80 | 16.4 | 19.0 | 15.0 | 5.5 | 24 |
| 40 | 44.45 | M16 | 17.0 | 63.55 | 68.40 | 22.8 | 25.0 | 18.5 | 8.2 | 32 |
| 50 | 69.85 | M24 | 25.0 | 97.50 | 101.75 | 35.5 | 37.7 | 30.0 | 11.5 | 47 |

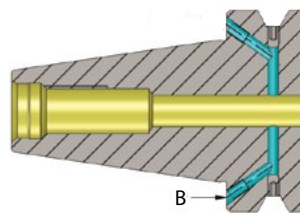
Forme AD

Arrosage centre broche



Forme AD/B

Arrosage centre broche & collerette



MANDRINS À PINCES ER MINI DV40

- DIN 69871
- Mandrins à Pincés ER avec Ecrou Mini
- Mandrins à Pincés ER encombrement réduit et long
- Pincés ER – Page 118
- Pièces détachées – Page 178

| Code | Description | Long de jauge (mm) | Forme | Ecrou | Equilibrage |
|---------|----------------|--------------------|-------|---------------------|------------------|
| OM30285 | DV40 ER11 MINI | 70 | AD | ER11 Mini (OM31414) | G2.5 @20,000 RPM |
| OM31700 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31550 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31701 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31702 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM30286 | DV40 ER16 MINI | 70 | AD | ER16 Mini (OM31415) | G2.5 @20,000 RPM |
| OM31703 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31551 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31704 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31705 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM30288 | | 200 | AD | | G2.5 @20,000 RPM |



DIN 69871

MANDRINS À PINCES ER COURT DV40

- DIN 69871
- Très court pour un maximum de rigidité
- Pincés ER – Page 118
- Pièces détachées – Page 178

| Code Article | Description | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------------|--------------------|-------|------------------|
| OM30295 | DV40 N ER32 COURT | 35 | AD | G2.5 @25,000 RPM |



MANDRINS À PINCES ER DV30

- DIN 69871
- Mandrins à Pincés avec Ecrou Standard
- Système pince ER
- Pincés ER – Page 118
- Pièces détachées – Page 178

| Code Article | Description | Long de jauge (mm) | Forme | Ecrou | Equilibrage |
|--------------|-------------|--------------------|-------|--------------------------------|------------------|
| OM30299 | DV30 ER16 | 70 | AD | ER16 écrou hexagonal (OM31426) | G2.5 @20,000 RPM |
| OM30468 | DV30 ER25 | 70 | AD | ER25 écrou standard (OM31421) | G2.5 @20,000 RPM |
| OM30309 | DV30 ER32 | 70 | AD | ER32 écrou standard (OM31422) | G2.5 @20,000 RPM |



MANDRINS À PINCES ER DV40

- DIN 69871
- Mandrins à Pincés avec Ecrou Standard
- Système pince ER
- Large gamme de longueur de jauge disponible
- Pincés ER – Page 118
- Pièces détachées – Page 178



| Code Article | Description | Long de jauge (mm) | Forme | Ecrou | Equilibrage |
|--------------|-------------|--------------------|-------|--------------------------------|------------------|
| OM31180 | DV40 ER16 | 70 | AD | ER16 écrou hexagonal (OM31426) | G2.5 @20,000 RPM |
| OM31706 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31179 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31707 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31708 | | 120 | AD/B | | G2.5 @25,000 RPM |
| OM31447 | | 160 | AD | | G2.5 @20,000 RPM |
| OM31709 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31710 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31568 | DV40 ER20 | 70 | AD | ER20 écrou standard (OM31420) | G6.3 @15,000 RPM |
| OM31569 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31570 | | 160 | AD | | G6.3 @15,000 RPM |
| OM31184 | DV40 ER25 | 70 | AD | ER25 écrou standard (OM31421) | G2.5 @20,000 RPM |
| OM31711 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31181 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31712 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31713 | | 120 | AD/B | | G2.5 @25,000 RPM |
| OM31182 | | 150 | AD | | G2.5 @20,000 RPM |
| OM31714 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31715 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31188 | DV40 ER32 | 70 | AD | ER32 écrou standard (OM31422) | G2.5 @20,000 RPM |
| OM31716 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31185 | | 100 | AD | | G2.5 @20,000 RPM |
| OM31717 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31718 | | 120 | AD/B | | G2.5 @25,000 RPM |
| OM31186 | | 150 | AD | | G2.5 @20,000 RPM |
| OM31187 | | 160 | AD | | G2.5 @20,000 RPM |
| OM31719 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31478 | | 200 | AD | | G2.5 @20,000 RPM |
| OM31720 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31721 | | 250 | AD/B | | G2.5 @25,000 RPM |
| OM31722 | | 300 | AD/B | | G2.5 @25,000 RPM |
| OM31191 | DV40 ER40 | 80 | AD | ER40 écrou standard (OM31423) | G2.5 @20,000 RPM |
| OM31723 | | 80 | AD/B | | G2.5 @25,000 RPM |
| OM31724 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31725 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31726 | DV40 ER50 | 100 | AD/B | ER50 écrou standard (OM31424) | G2.5 @25,000 RPM |

MANDRINS À PINCES ER DV50

- DIN 69871
- Mandrins à Pincés avec Ecrou Standard
- Système pince ER
- Large gamme de longueur de jauge disponible
- Pincés ER – Page 118
- Pièces détachées – Page 178



| Code Article | Description | Long de jauge (mm) | Forme | Ecrou | Equilibrage |
|--------------|-------------|--------------------|------------------|--------------------------------|------------------|
| OM31232 | DV50 ER16 | 70 | AD | ER16 écrou hexagonal (OM31426) | G6.3 @15,000 RPM |
| OM31864 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31479 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31865 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31481 | | 160 | AD | | G6.3 @15,000 RPM |
| OM31866 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31867 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31235 | DV50 ER25 | 70 | AD | ER25 écrou standard (OM31421) | G6.3 @15,000 RPM |
| OM31868 | | 70 | AD/B | | G2.5 @25,000 RPM |
| OM31471 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31869 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31233 | | 160 | AD | | G6.3 @15,000 RPM |
| OM31870 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31473 | | 200 | AD | | G6.3 @15,000 RPM |
| OM31871 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31872 | 250 | AD/B | G2.5 @25,000 RPM | | |
| OM31237 | DV50 ER32 | 80 | AD | ER32 écrou standard (OM31422) | G6.3 @15,000 RPM |
| OM31873 | | 80 | AD/B | | G2.5 @25,000 RPM |
| OM31450 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31874 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31236 | | 160 | AD | | G6.3 @15,000 RPM |
| OM31875 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31474 | | 200 | AD | | G6.3 @15,000 RPM |
| OM31876 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31877 | 250 | AD/B | G2.5 @25,000 RPM | | |
| OM31238 | DV50 ER40 | 80 | AD | ER40 écrou standard (OM31423) | G6.3 @15,000 RPM |
| OM31878 | | 80 | AD/B | | G2.5 @25,000 RPM |
| OM31475 | | 100 | AD | | G6.3 @15,000 RPM |
| OM31879 | | 100 | AD/B | | G2.5 @25,000 RPM |
| OM31880 | | 160 | AD/B | | G2.5 @25,000 RPM |
| OM31881 | | 200 | AD/B | | G2.5 @25,000 RPM |
| OM31882 | DV50 ER50 | 100 | AD/B | ER50 écrou standard (OM31424) | G2.5 @25,000 RPM |

DIN 69871

MANDRINS À PINCES OZ DV40

- DIN 69871
- Système pince OZ (DIN6388)
- Équilibré G6.3 @ 15,000 tr
- Pinces OZ – Page 145
- Pièces détachées – Page 178

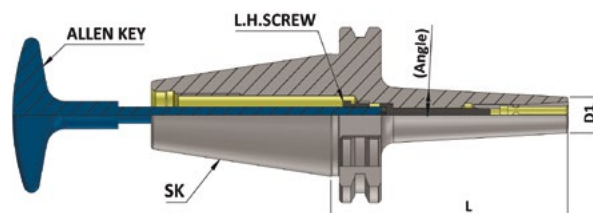
| Code Article | Description | Long de jauge (mm) | Forme |
|--------------|-------------|--------------------|-------|
| OM30289 | DV40 OZ 25 | 80 | AD |
| OM30290 | DV40 OZ 32 | 90 | AD |



DIN 69871

MANDRINS À PINCES DMC DV40 & DV50

- DIN69871
- Pinces à fixation arrière
- Pinces fine et Ultra Précision
- Haute Précision <0,005mm
- Équilibré G2,5 @25000tr
- Pinces DMC – Page 145
- Clés Hex. Page 181

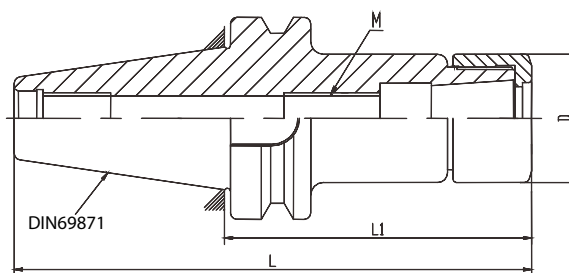


| Code Article | Description | Dimensions (mm) | | | Conicité | Pince | Vis | Clé Allen |
|--------------|-------------|------------------|----|-----|----------|--------|-----|-----------|
| | | Plage de serrage | D1 | L | | | | |
| OM32357 | DV40 DMC 06 | 3-6 | 13 | 60 | 3° | DMC 06 | M5 | 4X200 |
| OM32358 | | 3-6 | 13 | 90 | 3° | DMC 06 | M5 | 4X200 |
| OM32359 | | 3-6 | 13 | 120 | 3° | DMC 06 | M5 | 4X200 |
| OM32360 | | 3-6 | 13 | 160 | 3° | DMC 06 | M5 | 4X200 |
| OM32361 | DV40 DMC 08 | 3-8 | 22 | 90 | 3° | DMC 08 | M6 | 5X200 |
| OM32362 | | 3-8 | 22 | 120 | 3° | DMC 08 | M6 | 5X200 |
| OM32363 | | 3-8 | 22 | 160 | 3° | DMC 08 | M6 | 5X200 |
| OM32364 | DV40 DMC 10 | 4-10 | 28 | 90 | 3° | DMC 10 | M8 | 6X200 |
| OM32365 | | 4-10 | 28 | 120 | 3° | DMC 10 | M8 | 6X200 |
| OM32366 | DV50 DMC 10 | 4-10 | 28 | 150 | 3° | DMC 10 | M8 | 6X200 |



MANDRINS À PINCES GSK DV40

- DIN69871
- Mandrins à Pince GSK de Haute Précision
- Excellent pour utilisation à haute vitesse et fraisage de précision
- Équilibré G2,5 @25000tr
- Pincés GSK – Page 146
- Pièces détachées – Page 179



| Code Article | Description | Dimensions (mm) | | |
|--------------|-------------|------------------|------|-----------|
| | | Long de jauge L1 | D | M |
| OM30449 | DV40 GSK 06 | 60 | 19.5 | M8 x 1 |
| OM30443 | | 90 | | |
| OM30498 | | 120 | | |
| OM30444 | | 150 | | |
| OM30445 | DV40 GSK 10 | 60 | 27 | M11 x 1 |
| OM30446 | | 90 | | |
| OM30447 | | 120 | | |
| OM30448 | | 150 | | |
| OM30450 | DV40 GSK 16 | 60 | 40 | M18 x 1.5 |
| OM30451 | | 90 | | |
| OM30452 | | 120 | | |
| OM30453 | | 150 | | |
| OM30454 | | 200 | | |
| OM30455 | DV40 GSK 25 | 90 | 55 | M28 x 1.5 |
| OM30456 | | 120 | | |
| OM30457 | | 150 | | |



MANDRINS À EXPANSION HYDRAULIQUE DV40 & DV50

- DIN69871
- Mandrins Hydrauliques Ultra Précision
- Haute Précision <0,005mm
- Equilibré G2,5 @25000tr
- Pièces détachées – Page 180

Fig. 1

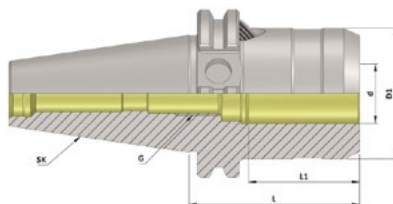
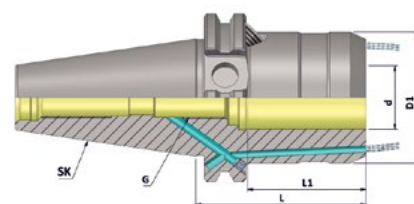


Fig. 2



| Code Article | Description | Dimensions (mm) | | | | | Forme | Fig. |
|--------------|-------------|-----------------|----|-----|------|----|-------------|--------|
| | | d | D1 | G | L | L1 | | |
| OM32156 | DV40 HC12S | 12 | 42 | M10 | 50 | 40 | AD | Fig. 1 |
| OM32161 | | 12 | 42 | M10 | 50 | 40 | AD/B + Cool | Fig. 2 |
| OM32157 | DV40 HC20S | 20 | 50 | M16 | 64.5 | 42 | AD | Fig. 1 |
| OM32162 | | 20 | 50 | M16 | 64.5 | 42 | AD/B + Cool | Fig. 2 |

| | | | | | | | | |
|---------|------------|----|----|-----|------|----|-------------|--------|
| OM32158 | DV50 HC12S | 12 | 42 | M10 | 50.5 | 40 | AD | Fig. 1 |
| OM32163 | | 12 | 42 | M10 | 50 | 40 | AD/B + Cool | Fig. 2 |
| OM32159 | DV50 HC20S | 20 | 50 | M16 | 64.5 | 42 | AD | Fig. 1 |
| OM32164 | | 20 | 50 | M16 | 64.5 | 42 | AD/B + Cool | Fig. 2 |
| OM32160 | DV50 HC32S | 32 | 72 | M16 | 81 | 55 | AD | Fig. 1 |
| OM32165 | | 32 | 72 | M16 | 81 | 55 | AD/B + Cool | Fig. 2 |

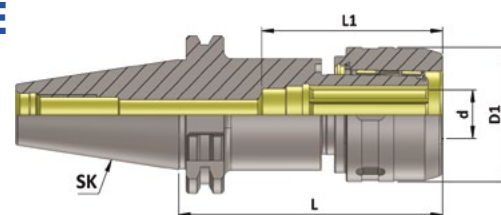


Kit de Mandrin Hydraulique

| Code Article | Description |
|--------------|--|
| OM36188 | DV40 HC20 Kit DV40 20mm Mandrin + 5 Pinces: 6, 8, 10, 12 & 16mm Pinces |



MANDRINS À PINCES À FORT SERRAGE DV40 & DV50



- DIN 69871
- Haute Précision <0,005mm
- Mandrin de fraisage à fort serrage soumis à un traitement inf-zero (-90°) pour limiter la déformation et augmenter la durée de vie
- Equilibré G6,3 @15000tr
- Pincés Cylindrique - Page 149
- Pièces détachées – Page 178

| Code Article | Description | Dimensions (mm) | | | |
|--------------|--------------|-----------------|----|-----|-----|
| | | d | D1 | L | L1 |
| OM31091 | DV40 UPMC 20 | 20 | 54 | 105 | 70 |
| OM31092 | DV40 UPMC 32 | 32 | 72 | 105 | 70 |
| OM31189 | DV50 UPMC 20 | 20 | 54 | 105 | 100 |
| OM31190 | DV50 UPMC 32 | 32 | 72 | 105 | 100 |



DIN 69871

MANDRINS À PINCES À FORT SERRAGE DV40 & DV50

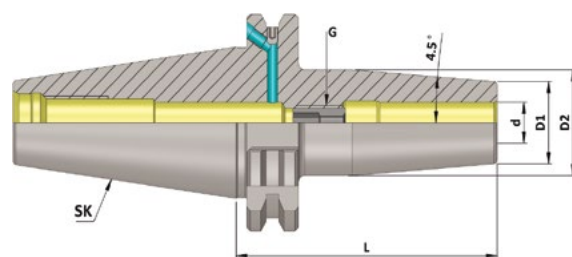
- DIN 69871
- Mandrins économique pour utilisation générale
- Pincés Cylindrique - Page 148
- Pièces détachées – Page 178

| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) |
|--------------|--------------|--------------------------|--------------------|
| OM31389 | DV40 SC 20mm | 20 | 80 |
| OM31390 | DV40 SC 25mm | 25 | 80 |
| OM31391 | DV40 SC 32mm | 32 | 105 |
| OM30296 | DV50 SC 25mm | 25 | 110 |
| OM30297 | DV50 SC 32mm | 32 | 110 |



MANDRINS DE FRETTAGE DV40

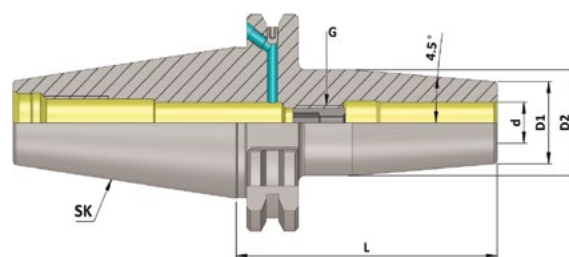
- DIN 69871
- Fort serrage et rigide
- Forme AD/B
- 4.5 Degrée
- Equilibré G2,5 @25000tr



| Code Article | Description | Dimensions (mm) | | | | |
|--------------|-------------|-----------------|----|----|-----|-----|
| | | d | D1 | D2 | G | L |
| OM30886 | DV40 SF03 | 3mm | 10 | 20 | - | 80 |
| OM30887 | | | 10 | 20 | - | 120 |
| OM30888 | | | 10 | 20 | - | 160 |
| OM30824 | DV40 SF04 | 4mm | 15 | 22 | - | 80 |
| OM30889 | | | 15 | 22 | - | 120 |
| OM30890 | | | 15 | 22 | - | 160 |
| OM30891 | DV40 SF05 | 5mm | 15 | 22 | - | 80 |
| OM30892 | | | 15 | 22 | - | 120 |
| OM30893 | | | 15 | 22 | - | 160 |
| OM30825 | DV40 SF06 | 6mm | 21 | 27 | M5 | 80 |
| OM30826 | | | 21 | 27 | M5 | 120 |
| OM30827 | | | 21 | 27 | M5 | 160 |
| OM34343 | | | 21 | 27 | M5 | 200 |
| OM30828 | DV40 SF08 | 8mm | 21 | 27 | M6 | 80 |
| OM30829 | | | 21 | 27 | M6 | 120 |
| OM30830 | | | 21 | 27 | M6 | 160 |
| OM34344 | | | 21 | 27 | M6 | 200 |
| OM30831 | DV40 SF10 | 10mm | 24 | 31 | M8 | 80 |
| OM30832 | | | 24 | 31 | M8 | 120 |
| OM30833 | | | 24 | 31 | M8 | 160 |
| OM34345 | | | 24 | 31 | M8 | 200 |
| OM30834 | DV40 SF12 | 12mm | 24 | 31 | M10 | 80 |
| OM30835 | | | 24 | 31 | M10 | 120 |
| OM30836 | | | 24 | 31 | M10 | 160 |
| OM34346 | | | 24 | 31 | M10 | 200 |
| OM30894 | DV40 SF14 | 14mm | 27 | 34 | M10 | 80 |
| OM30895 | | | 27 | 34 | M10 | 120 |
| OM30896 | | | 27 | 34 | M10 | 160 |
| OM30837 | DV40 SF16 | 16mm | 27 | 34 | M12 | 80 |
| OM30838 | | | 27 | 34 | M12 | 120 |
| OM30839 | | | 27 | 34 | M12 | 160 |
| OM34348 | | | 27 | 34 | M12 | 200 |
| OM30897 | DV40 SF18 | 18mm | 33 | 40 | M12 | 80 |
| OM30898 | | | 33 | 40 | M12 | 120 |
| OM30899 | | | 33 | 40 | M12 | 160 |
| OM30840 | DV40 SF20 | 20mm | 33 | 40 | M16 | 80 |
| OM30841 | | | 33 | 40 | M16 | 120 |
| OM30842 | | | 33 | 40 | M16 | 160 |
| OM34350 | | | 33 | 40 | M16 | 200 |
| OM30843 | DV40 SF25 | 25mm | 44 | 53 | M16 | 100 |
| OM30844 | | | 44 | 53 | M16 | 120 |
| OM30845 | | | 44 | 53 | M16 | 160 |
| OM30846 | DV40 SF32 | 32mm | 44 | 53 | M16 | 100 |
| OM30900 | | | 44 | 53 | M16 | 120 |
| OM30847 | | | 44 | 53 | M16 | 160 |

MANDRINS DE FRETTAGE DV50

- DIN 69871
- Fort serrage et rigide
- Forme AD/B
- 4.5 Degrée
- Equilibré G2,5 @25000tr

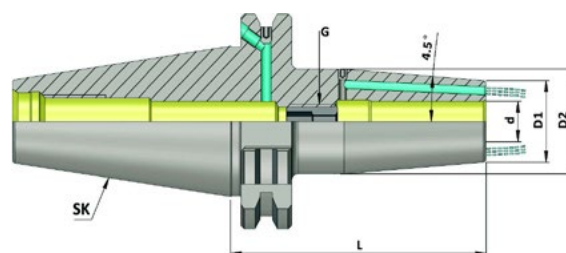


| Code Article | Description | Dimensions (mm) | | | | |
|--------------|-------------|-----------------|----|----|-----|-----|
| | | d | D1 | D2 | G | L |
| OM36414 | DV50 SF03 | 3mm | 10 | 20 | - | 80 |
| OM36415 | | | 10 | 20 | - | 120 |
| OM36416 | | | 10 | 20 | - | 160 |
| OM36417 | DV50 SF04 | 4mm | 15 | 22 | - | 80 |
| OM36418 | | | 15 | 22 | - | 120 |
| OM36419 | | | 15 | 22 | - | 160 |
| OM36420 | DV50 SF05 | 5mm | 15 | 22 | - | 80 |
| OM36421 | | | 15 | 22 | - | 120 |
| OM36422 | | | 15 | 22 | - | 160 |
| OM36423 | DV50 SF06 | 6mm | 21 | 27 | M5 | 80 |
| OM36424 | | | 21 | 27 | M5 | 120 |
| OM36425 | | | 21 | 27 | M5 | 160 |
| OM36426 | DV50 SF08 | 8mm | 21 | 27 | M6 | 80 |
| OM36427 | | | 21 | 27 | M6 | 120 |
| OM36428 | | | 21 | 27 | M6 | 160 |
| OM36429 | DV50 SF10 | 10mm | 24 | 31 | M8 | 80 |
| OM36430 | | | 24 | 31 | M8 | 120 |
| OM36431 | | | 24 | 31 | M8 | 160 |
| OM36432 | DV50 SF12 | 12mm | 24 | 31 | M10 | 80 |
| OM36433 | | | 24 | 31 | M10 | 120 |
| OM36434 | | | 24 | 31 | M10 | 160 |
| OM36435 | DV50 SF14 | 14mm | 27 | 34 | M10 | 80 |
| OM36436 | | | 27 | 34 | M10 | 120 |
| OM36437 | | | 27 | 34 | M10 | 160 |
| OM36438 | DV50 SF16 | 16mm | 27 | 34 | M12 | 80 |
| OM36439 | | | 27 | 34 | M12 | 120 |
| OM36440 | | | 27 | 34 | M12 | 160 |
| OM36441 | DV50 SF18 | 18mm | 33 | 40 | M12 | 80 |
| OM36442 | | | 33 | 40 | M12 | 120 |
| OM36443 | | | 33 | 40 | M12 | 160 |
| OM36444 | DV50 SF20 | 20mm | 33 | 40 | M16 | 80 |
| OM36445 | | | 33 | 40 | M16 | 120 |
| OM36446 | | | 33 | 40 | M16 | 160 |
| OM36447 | DV50 SF25 | 25mm | 44 | 53 | M16 | 100 |
| OM36448 | | | 44 | 53 | M16 | 120 |
| OM36449 | | | 44 | 53 | M16 | 160 |
| OM36450 | DV50 SF32 | 32mm | 44 | 53 | M16 | 100 |
| OM36451 | | | 44 | 53 | M16 | 120 |
| OM36452 | | | 44 | 53 | M16 | 160 |

DIN 69871

MANDRINS DE FRETTAGE AVEC TROU DE LUBRIFICATION DV40

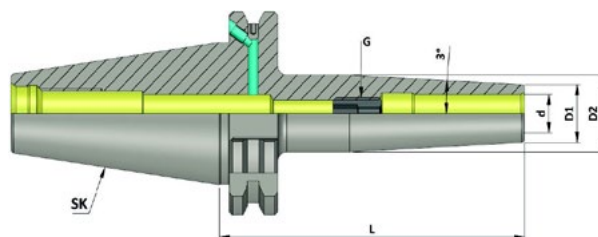
- DIN 69871
- Fort serrage et rigide
- Avec lubrification frontale
- 4.5 Degr e
- Equilibr  G2,5 @25000tr



| Code Article | Description | Dimensions (mm) | | | | |
|--------------|---------------|-----------------|----|----|-----|-----|
| | | d | D1 | D2 | G | L |
| OM36871 | DV40 SF03 FCC | 3mm | 10 | 20 | - | 80 |
| OM36872 | | | 10 | 20 | - | 120 |
| OM36873 | | | 10 | 20 | - | 160 |
| OM36874 | DV40 SF04 FCC | 4mm | 15 | 22 | - | 80 |
| OM36875 | | | 15 | 22 | - | 120 |
| OM36876 | | | 15 | 22 | - | 160 |
| OM36877 | DV40 SF05 FCC | 5mm | 15 | 22 | - | 80 |
| OM36878 | | | 15 | 22 | - | 120 |
| OM36879 | | | 15 | 22 | - | 160 |
| OM36880 | DV40 SF06 FCC | 6mm | 21 | 27 | M5 | 80 |
| OM36881 | | | 21 | 27 | M5 | 120 |
| OM36882 | | | 21 | 27 | M5 | 160 |
| OM36883 | DV40 SF08 FCC | 8mm | 21 | 27 | M6 | 80 |
| OM36884 | | | 21 | 27 | M6 | 120 |
| OM36885 | | | 21 | 27 | M6 | 160 |
| OM36886 | DV40 SF10 FCC | 10mm | 24 | 31 | M8 | 80 |
| OM36887 | | | 24 | 31 | M8 | 120 |
| OM36888 | | | 24 | 31 | M8 | 160 |
| OM36889 | DV40 SF12 FCC | 12mm | 24 | 31 | M10 | 80 |
| OM36890 | | | 24 | 31 | M10 | 120 |
| OM36891 | | | 24 | 31 | M10 | 160 |
| OM36892 | DV40 SF14 FCC | 14mm | 27 | 34 | M10 | 80 |
| OM36893 | | | 27 | 34 | M10 | 120 |
| OM36894 | | | 27 | 34 | M10 | 160 |
| OM36895 | DV40 SF16 FCC | 16mm | 27 | 34 | M12 | 80 |
| OM36896 | | | 27 | 34 | M12 | 120 |
| OM36897 | | | 27 | 34 | M12 | 160 |
| OM36898 | DV40 SF18 FCC | 18mm | 33 | 40 | M12 | 80 |
| OM36899 | | | 33 | 40 | M12 | 120 |
| OM36900 | | | 33 | 40 | M12 | 160 |
| OM36901 | DV40 SF20 FCC | 20mm | 33 | 40 | M16 | 80 |
| OM36902 | | | 33 | 40 | M16 | 120 |
| OM36903 | | | 33 | 40 | M16 | 160 |
| OM36904 | DV40 SF25 FCC | 25mm | 44 | 53 | M16 | 100 |
| OM36905 | | | 44 | 53 | M16 | 120 |
| OM36906 | | | 44 | 53 | M16 | 160 |
| OM36907 | DV40 SF32 FCC | 32mm | 44 | 53 | M16 | 100 |
| OM36908 | | | 44 | 53 | M16 | 120 |
| OM36909 | | | 44 | 53 | M16 | 160 |

MANDRINS DE FRETTAGE - SLIM DV40

- DIN 69871
- Fort serrage et rigide
- Forme AD/B
- 3 Degrée
- Equilibré G2,5 @25000tr

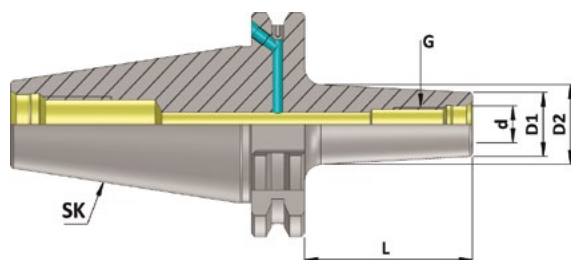


| Code Article | Description | Dimensions (mm) | | | | |
|--------------|----------------|-----------------|----|----|-----|-----|
| | | d | D1 | D2 | G | L |
| OM36949 | DV40 SF03 SLIM | 3mm | 9 | 14 | - | 80 |
| OM36950 | | | 9 | 18 | - | 120 |
| OM36951 | | | 9 | 19 | - | 160 |
| OM36952 | DV40 SF04 SLIM | 4mm | 10 | 15 | - | 80 |
| OM36953 | | | 10 | 19 | - | 120 |
| OM36954 | | | 10 | 20 | - | 160 |
| OM36955 | DV40 SF05 SLIM | 5mm | 11 | 16 | - | 80 |
| OM36956 | | | 11 | 20 | - | 120 |
| OM36957 | | | 11 | 21 | - | 160 |
| OM36958 | DV40 SF06 SLIM | 6mm | 12 | 17 | M5 | 80 |
| OM36959 | | | 12 | 21 | M5 | 120 |
| OM36960 | | | 12 | 25 | M5 | 160 |
| OM36961 | DV40 SF08 SLIM | 8mm | 14 | 19 | M6 | 80 |
| OM36962 | | | 14 | 23 | M6 | 120 |
| OM36963 | | | 14 | 27 | M6 | 160 |
| OM36964 | DV40 SF10 SLIM | 10mm | 16 | 21 | M8 | 80 |
| OM36965 | | | 16 | 25 | M8 | 120 |
| OM36966 | | | 16 | 29 | M8 | 160 |
| OM36967 | DV40 SF12 SLIM | 12mm | 18 | 23 | M10 | 80 |
| OM36968 | | | 18 | 27 | M10 | 120 |
| OM36969 | | | 18 | 31 | M10 | 160 |
| OM36970 | DV40 SF14 SLIM | 14mm | 20 | 26 | M10 | 80 |
| OM36971 | | | 20 | 29 | M10 | 120 |
| OM36972 | | | 20 | 32 | M10 | 160 |
| OM36973 | DV40 SF16 SLIM | 16mm | 22 | 28 | M12 | 80 |
| OM36974 | | | 22 | 31 | M12 | 120 |
| OM36975 | | | 22 | 34 | M12 | 160 |
| OM36976 | DV40 SF18 SLIM | 18mm | 24 | 30 | M12 | 80 |
| OM36977 | | | 24 | 33 | M12 | 120 |
| OM36978 | | | 24 | 36 | M12 | 160 |
| OM36979 | DV40 SF20 SLIM | 20mm | 26 | 32 | M16 | 80 |
| OM36980 | | | 26 | 35 | M16 | 120 |
| OM36981 | | | 26 | 38 | M16 | 160 |



MANDRINS POUR FRAISE À VISSER DV40 & DV50

- DIN 69871
- Mandrins pour visser des fraises Modulaire
- Equilibré G2,5 @25000tr
- Forme AD/B
- MCAP = Mandrin cylindrique



| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------|-----------------|------|------|-----|-----|
| | | d | D1 | D2 | G | L |
| OM30950 | DV40 MCA 06 | 6.5 | 10 | 13 | M6 | 25 |
| OM30951 | | 6.5 | 10 | 20 | | 50 |
| OM30952 | | 6.5 | 10 | 23 | | 75 |
| OM30953 | DV40 MCA 08 | 8.5 | 13 | 15 | M8 | 25 |
| OM30954 | | 8.5 | 13 | 23 | | 50 |
| OM30955 | | 8.5 | 13 | 23 | | 75 |
| OM30956 | DV40 MCA 10 | 8.5 | 13 | 25 | M10 | 100 |
| OM30957 | | 10.5 | 18 | 20 | | 25 |
| OM30958 | | 10.5 | 18 | 23 | | 50 |
| OM30959 | | 10.5 | 18 | 28 | | 75 |
| OM30960 | DV40 MCA 12 | 10.5 | 18 | 32 | M12 | 100 |
| OM30961 | | 12.5 | 21 | 24 | | 25 |
| OM30962 | | 12.5 | 21 | 24 | | 50 |
| OM30963 | | 12.5 | 21 | 31 | | 75 |
| OM30964 | DV40 MCA 16 | 12.5 | 21 | 33 | M16 | 100 |
| OM30965 | | 12.5 | 21 | 36 | | 125 |
| OM30966 | | 17 | 29 | 29 | | 25 |
| OM30967 | | 17 | 29 | 34 | | 50 |
| OM30968 | | 17 | 29 | 34 | | 75 |
| OM30969 | | 17 | 29 | 36 | | 100 |
| OM30970 | | 17 | 29 | 40 | | 125 |
| OM30971 | 17 | 29 | 42.5 | 150 | | |
| OM34725 | DV40 MCAP 08 | 8.5 | 13.8 | 13.8 | M8 | 50 |
| OM34728 | DV40 MCAP 10 | 10.5 | 18 | 18 | M10 | 50 |
| OM34729 | | 10.5 | 18 | 18 | | 75 |
| OM34730 | DV40 MCAP 12 | 10.5 | 18 | 18 | M12 | 100 |
| OM34731 | | 12.5 | 21 | 21 | | 50 |
| OM34732 | | 12.5 | 21 | 21 | | 75 |
| OM34733 | DV40 MCAP 16 | 12.5 | 21 | 21 | M16 | 100 |
| OM34735 | | 17 | 29 | 29 | | 50 |
| OM34736 | | 17 | 29 | 29 | | 75 |
| OM34737 | | 17 | 29 | 29 | | 100 |
| OM30972 | DV50 MCA 08 | 8.5 | 13 | 23 | M8 | 50 |
| OM30973 | | 8.5 | 13 | 25 | | 100 |
| OM30974 | | 8.5 | 13 | 30 | | 150 |
| OM30975 | DV50 MCA 10 | 10.5 | 18 | 23 | M10 | 50 |
| OM30976 | | 10.5 | 18 | 32 | | 100 |
| OM30977 | | 10.5 | 18 | 36.5 | | 150 |
| OM30978 | DV50 MCA 12 | 12.5 | 21 | 24 | M12 | 50 |
| OM30979 | | 12.5 | 21 | 33 | | 100 |
| OM30980 | | 12.5 | 21 | 40 | | 150 |
| OM30981 | DV50 MCA 16 | 17 | 29 | 34 | M16 | 50 |
| OM30982 | | 17 | 29 | 36 | | 100 |
| OM30983 | | 17 | 29 | 42.5 | | 150 |



MANDRINS PORTE-FRAISES

DV40

- DIN 69871
- Pour serrage d'outils avec queue cylindrique et méplat Weldon
- Vis de serrage de rechange - Page 182

| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------|--------------------------|--------------------|-------|------------------|
| OM31206 | DV40 W 06 | 6mm | 50 | AD | G2.5 @20,000 RPM |
| OM31727 | | | 50 | AD/B | G2.5 @25,000 RPM |
| OM31461 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31728 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31729 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36214 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31207 | DV40 W 08 | 8mm | 50 | AD | G2.5 @20,000 RPM |
| OM31731 | | | 50 | AD/B | G2.5 @25,000 RPM |
| OM31462 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31732 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31733 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36215 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31208 | DV40 W 10 | 10mm | 63 | AD | G2.5 @20,000 RPM |
| OM31735 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31463 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31736 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31737 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36216 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31209 | DV40 W 12 | 12mm | 63 | AD | G2.5 @20,000 RPM |
| OM31739 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31464 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31740 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31741 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36217 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31980 | DV40 W 14 | 14mm | 63 | AD | G2.5 @20,000 RPM |
| OM30372 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31467 | DV40 W 16 | 16mm | 35 | AD | G2.5 @20,000 RPM |
| OM31211 | | | 63 | AD | G2.5 @20,000 RPM |
| OM31743 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31465 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31744 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM30257 | | | 160 | AD | G2.5 @20,000 RPM |
| OM31745 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM30258 | | | 200 | AD | G2.5 @20,000 RPM |
| OM31981 | DV40 W 18 | 18mm | 63 | AD | G2.5 @20,000 RPM |
| OM30782 | | | 100 | AD | G2.5 @20,000 RPM |



DIN 69871

MANDRINS PORTE-FRAISES DV40

| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------|--------------------------|--------------------|-------|------------------|
| OM31468 | DV40 W 20 | 20mm | 35 | AD | G2.5 @20,000 RPM |
| OM31212 | | | 63 | AD | G2.5 @20,000 RPM |
| OM31747 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31466 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31748 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM30999 | | | 160 | AD | G2.5 @20,000 RPM |
| OM31749 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM30259 | | | 200 | AD | G2.5 @20,000 RPM |
| OM31469 | | | DV40 W 25 | 25mm | 35 |
| OM30260 | 70 | AD | | | G2.5 @20,000 RPM |
| OM31214 | 90 | AD | | | G2.5 @20,000 RPM |
| OM31213 | 100 | AD | | | G2.5 @20,000 RPM |
| OM31751 | 100 | AD/B | | | G2.5 @25,000 RPM |
| OM30261 | 160 | AD | | | G2.5 @20,000 RPM |
| OM31752 | 160 | AD/B | | | G2.5 @25,000 RPM |
| OM30262 | 200 | AD | | | G2.5 @20,000 RPM |
| OM31470 | DV40 W32 | 32mm | 65 | AD | G2.5 @20,000 RPM |
| OM31215 | | | 100 | AD | G2.5 @20,000 RPM |
| OM31754 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM30263 | | | 160 | AD | G2.5 @20,000 RPM |
| OM31755 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36218 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31216 | DV40 W 40 | 40mm | 115 | AD | G2.5 @20,000 RPM |



MANDRINS PORTE-FRAISES DV50

- DIN 69871
- Pour serrage d'outils avec queue cylindrique et méplat Weldon
- Vis de serrage de rechange - Page 182



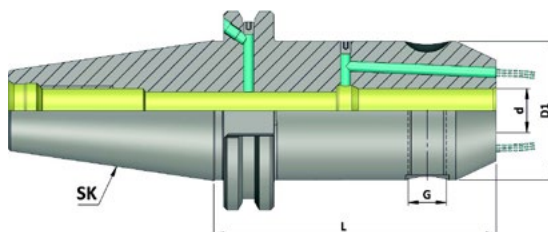
| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------|--------------------------|--------------------|-------|------------------|
| OM31629 | DV50 W 06 | 6mm | 63 | AD/B | G2.5 @25,000 RPM |
| OM31883 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31884 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM31630 | DV50 W 08 | 8mm | 63 | AD/B | G2.5 @25,000 RPM |
| OM31886 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31887 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM31245 | DV50 W 10 | 10mm | 63 | AD | G6.3 @15,000 RPM |
| OM31889 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31890 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31891 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM31246 | DV50 W 12 | 12mm | 63 | AD | G6.3 @15,000 RPM |
| OM31893 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31894 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31895 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36222 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31247 | DV50 W 16 | 16mm | 63 | AD | G6.3 @15,000 RPM |
| OM31897 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31248 | | | 100 | AD | G6.3 @15,000 RPM |
| OM31898 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31899 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36223 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31249 | DV50 W 20 | 20mm | 63 | AD | G6.3 @15,000 RPM |
| OM31901 | | | 63 | AD/B | G2.5 @25,000 RPM |
| OM31250 | | | 100 | AD | G6.3 @15,000 RPM |
| OM31902 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31903 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36224 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31251 | DV50 W 25 | 25mm | 80 | AD | G6.3 @15,000 RPM |
| OM31905 | | | 80 | AD/B | G2.5 @25,000 RPM |
| OM31252 | | | 100 | AD | G6.3 @15,000 RPM |
| OM31906 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31907 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36225 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31253 | DV50 W 32 | 32mm | 100 | AD | G6.3 @15,000 RPM |
| OM31909 | | | 100 | AD/B | G2.5 @25,000 RPM |
| OM31910 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM36226 | | | 200 | AD | G6.3 @15,000 RPM |
| OM31255 | DV50 W 40 | 40mm | 120 | AD | G6.3 @15,000 RPM |
| OM31912 | | | 120 | AD/B | G2.5 @25,000 RPM |
| OM31913 | | | 160 | AD/B | G2.5 @25,000 RPM |
| OM31915 | DV50 W 50 | 50mm | 120 | AD | G6.3 @15,000 RPM |

DIN 69871

MANDRIN PORTE FRAISE AVEC LUBRIFICATION FRONTALE

DV40 & DV50

- DIN 69871
- Pour des outils avec queue weldon
- Avec lubrification frontale



DIN 69871

| Code Article | Description | Diamètre de serrage (d) | D1 | G | Long de jauge (L) |
|--------------|------------------------|-------------------------|----|-------|-------------------|
| OM36227 | DV40 W 06 50 AD/B FCC | 6 | 25 | M6 | 50 |
| OM36257 | DV40 W 06 100 AD/B FCC | | | | 100 |
| OM36258 | DV40 W 06 160 AD/B FCC | | | | 160 |
| OM36228 | DV40 W 08 50 AD/B FCC | 8 | 28 | M8 | 50 |
| OM36259 | DV40 W 08 100 AD/B FCC | | | | 100 |
| OM36260 | DV40 W 08 160 AD/B FCC | | | | 160 |
| OM36229 | DV40 W 10 50 AD/B FCC | 10 | 35 | M10 | 50 |
| OM36261 | DV40 W 10 100 AD/B FCC | | | | 100 |
| OM36262 | DV40 W 10 160 AD/B FCC | | | | 160 |
| OM36230 | DV40 W 12 50 AD/B FCC | 12 | 42 | M12 | 50 |
| OM36263 | DV40 W 12 100 AD/B FCC | | | | 100 |
| OM36264 | DV40 W 12 160 AD/B FCC | | | | 160 |
| OM36265 | DV40 W 14 50 AD/B FCC | 14 | 44 | M12 | 50 |
| OM36266 | DV40 W 14 100 AD/B FCC | | | | 100 |
| OM36267 | DV40 W 14 160 AD/B FCC | | | | 160 |
| OM36231 | DV40 W 16 63 AD/B FCC | 16 | 48 | M14 | 63 |
| OM36268 | DV40 W 16 100 AD/B FCC | | | | 100 |
| OM36269 | DV40 W 16 160 AD/B FCC | | | | 160 |
| OM36270 | DV40 W 18 63 AD/B FCC | 18 | 50 | M14 | 63 |
| OM36271 | DV40 W 18 100 AD/B FCC | | | | 100 |
| OM36272 | DV40 W 18 160 AD/B FCC | | | | 160 |
| OM36232 | DV40 W 20 63 AD/B FCC | 20 | 52 | M16 | 63 |
| OM36273 | DV40 W 20 100 AD/B FCC | | | | 100 |
| OM36274 | DV40 W 20 160 AD/B FCC | | | | 160 |
| OM36275 | DV40 W 25 100 AD/B FCC | 25 | 65 | M18x2 | 100 |
| OM36276 | DV40 W 25 160 AD/B FCC | | | | 160 |
| OM36277 | DV40 W 32 100 AD/B FCC | 32 | 72 | M20x2 | 100 |
| OM36278 | DV40 W 32 160 AD/B FCC | | | | 160 |
| OM36279 | DV40 W 40 115 AD/B FCC | 40 | 80 | M20x2 | 115 |
| OM36280 | DV40 W 40 160 AD/B FCC | | | | 160 |

| Code Article | Description | Diamètre de serrage (d) | D1 | G | Long de jauge (L) |
|--------------|------------------------|-------------------------|-----|-------|-------------------|
| OM36382 | DV50 W 06 63 AD/B FCC | 6 | 25 | M6 | 63 |
| OM36383 | DV50 W 06 100 AD/B FCC | | | | 100 |
| OM36384 | DV50 W 06 160 AD/B FCC | | | | 160 |
| OM36385 | DV50 W 08 63 AD/B FCC | 8 | 28 | M8 | 63 |
| OM36386 | DV50 W 08 100 AD/B FCC | | | | 100 |
| OM36387 | DV50 W 08 160 AD/B FCC | | | | 160 |
| OM36388 | DV50 W 10 63 AD/B FCC | 10 | 35 | M10 | 63 |
| OM36389 | DV50 W 10 100 AD/B FCC | | | | 100 |
| OM36390 | DV50 W 10 160 AD/B FCC | | | | 160 |
| OM36391 | DV50 W 12 63 AD/B FCC | 12 | 42 | M12 | 63 |
| OM36392 | DV50 W 12 100 AD/B FCC | | | | 100 |
| OM36393 | DV50 W 12 160 AD/B FCC | | | | 160 |
| OM36394 | DV50 W 14 63 AD/B FCC | 14 | 44 | M12 | 63 |
| OM36395 | DV50 W 14 100 AD/B FCC | | | | 100 |
| OM36396 | DV50 W 14 160 AD/B FCC | | | | 160 |
| OM36397 | DV50 W 16 63 AD/B FCC | 16 | 48 | M14 | 63 |
| OM36398 | DV50 W 16 100 AD/B FCC | | | | 100 |
| OM36399 | DV50 W 16 160 AD/B FCC | | | | 160 |
| OM36400 | DV50 W 18 63 AD/B FCC | 18 | 50 | M14 | 63 |
| OM36401 | DV50 W 18 100 AD/B FCC | | | | 100 |
| OM36402 | DV50 W 18 160 AD/B FCC | | | | 160 |
| OM36403 | DV50 W 20 63 AD/B FCC | 20 | 52 | M16 | 63 |
| OM36404 | DV50 W 20 100 AD/B FCC | | | | 100 |
| OM36405 | DV50 W 20 160 AD/B FCC | | | | 160 |
| OM36406 | DV50 W 25 80 AD/B FCC | 25 | 65 | M18x2 | 80 |
| OM36407 | DV50 W 25 100 AD/B FCC | | | | 100 |
| OM36408 | DV50 W 25 160 AD/B FCC | 32 | 72 | M20x2 | 160 |
| OM36409 | DV50 W 32 100 AD/B FCC | | | | 105 |
| OM36410 | DV50 W 32 160 AD/B FCC | 40 | 80 | M20x2 | 160 |
| OM36411 | DV50 W 40 120 AD/B FCC | | | | 120 |
| OM36412 | DV50 W 40 160 AD/B FCC | 50 | 100 | M24x2 | 160 |
| OM36413 | DV50 W 50 120 AD/B FCC | | | | 120 |

MANDRIN PORTE FRAISE À TROU STANDARD DV40 & DV50

- DIN 69871
- Sans trou de lubrification
- Pour Monter des Fraises à Surfacer

| Code Article | Description | Ø Tenon | Long de jauge (mm) | Equilibrage |
|--------------|-------------|---------|--------------------|------------------|
| OM31193 | DV40 FMB 16 | 16mm | 35 | G2.5 @20,000 RPM |
| OM31489 | | | 100 | G2.5 @20,000 RPM |
| OM31490 | | | 160 | G6.3 @15,000 RPM |
| OM30785 | | | 200 | G6.3 @15,000 RPM |
| OM31195 | DV40 FMB 22 | 22mm | 45 | G2.5 @20,000 RPM |
| OM31491 | | | 100 | G2.5 @20,000 RPM |
| OM31492 | | | 160 | G6.3 @15,000 RPM |
| OM30786 | | | 200 | G6.3 @15,000 RPM |
| OM31198 | DV40 FMB 27 | 27mm | 45 | G2.5 @20,000 RPM |
| OM31493 | | | 100 | G2.5 @20,000 RPM |
| OM31494 | | | 160 | G6.3 @15,000 RPM |
| OM30787 | | | 200 | G6.3 @15,000 RPM |
| OM31199 | DV40 FMB 32 | 32mm | 50 | G2.5 @20,000 RPM |
| OM31200 | DV40 FMB 40 | 40mm | 60 | G2.5 @20,000 RPM |

| | | | | |
|---------|-------------|------|----|------------------|
| OM31392 | DV50 FMB 22 | 22mm | 45 | G6.3 @15,000 RPM |
| OM31528 | DV50 FMB 27 | 27mm | 45 | G6.3 @15,000 RPM |
| OM33689 | DV50 FMB 32 | 32mm | 50 | G6.3 @15,000 RPM |
| OM33690 | DV50 FMB 40 | 40mm | 55 | G6.3 @15,000 RPM |



DIN 69871

MANDRIN PORTE FRAISE À TROU AVEC TROU DE LUBRIFICATION

DV40 & DV50

- DIN 69871
- Pour Monter des Fraises à Surfacer
- Large gamme de longueur disponible
- AD/B + Cool arrosage au centre plus collerette

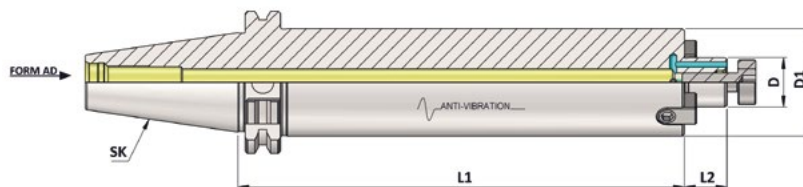
| Code Article | Description | Ø Tenon | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------|---------|--------------------|-------------|------------------|
| OM31757 | DV40 FMB 16 | 16mm | 35 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31758 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31759 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31761 | DV40 FMB 22 | 22mm | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31762 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31763 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31764 | DV40 FMB 27 | 27mm | 200 | AD/B + Cool | G6.3 @15,000 RPM |
| OM31765 | | | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31766 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31767 | DV40 FMB 32 | 32mm | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31768 | | | 200 | AD/B + Cool | G6.3 @15,000 RPM |
| OM31769 | | | 50 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31770 | DV40 FMB 40 | 40mm | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31771 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31772 | | | 200 | AD/B + Cool | G6.3 @15,000 RPM |
| OM31773 | DV40 FMB 40 | 40mm | 60 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31774 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31775 | | | 160 | AD/B + Cool | G6.3 @15,000 RPM |

| | | | | | |
|---------|-------------|------|-----|-------------|------------------|
| OM31917 | DV50 FMB 16 | 16mm | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31918 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31919 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31920 | | | 200 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31924 | DV50 FMB 22 | 22mm | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31925 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31926 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31927 | DV50 FMB 27 | 27mm | 200 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31931 | | | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31932 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31933 | | | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31934 | DV50 FMB 32 | 32mm | 200 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31938 | | | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31939 | | | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31940 | DV50 FMB 40 | 40mm | 160 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31941 | | | 200 | AD/B + Cool | G6.3 @15,000 RPM |
| OM31945 | | | 45 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31946 | DV50 FMB 40 | 40mm | 100 | AD/B + Cool | G2.5 @25,000 RPM |
| OM31947 | | | 160 | AD/B + Cool | G6.3 @15,000 RPM |
| OM31948 | | | 200 | AD/B + Cool | G6.3 @15,000 RPM |



MANDRIN POUR FRAISE À TROU LISSE ANTI VIBRATOIRE DV40 & DV50

- DIN 69871
- Pour Monter des Fraises à Surfacer
- Forme AD - avec arrosage au centre



| Code Article | Description | Ø Tenon (D) | D1 | Long de jauge (L1) | L2 | Equilibrage |
|--------------|----------------|-------------|----|--------------------|----|-----------------|
| OM33765 | DV40 FMB AV 16 | 16mm | 38 | 200 | 17 | G6.3 @8,000 RPM |
| OM36467 | | | | 250 | | G6.3 @8,000 RPM |
| OM33766 | | | | 300 | | G6.3 @8,000 RPM |
| OM33767 | DV40 FMB AV 22 | 22mm | 48 | 200 | 19 | G6.3 @8,000 RPM |
| OM36468 | | | | 250 | | G6.3 @8,000 RPM |
| OM33768 | | | | 300 | | G6.3 @8,000 RPM |
| OM33769 | DV40 FMB AV 27 | 27mm | 58 | 200 | 21 | G6.3 @8,000 RPM |
| OM36469 | | | | 250 | | G6.3 @8,000 RPM |
| OM36470 | | | | 300 | | G6.3 @8,000 RPM |

| | | | | | | |
|---------|----------------|------|----|-----|----|-----------------|
| OM33770 | DV50 FMB AV 16 | 16mm | 38 | 200 | 17 | G6.3 @8,000 RPM |
| OM36471 | | | | 250 | | G6.3 @8,000 RPM |
| OM33771 | | | | 300 | | G6.3 @8,000 RPM |
| OM36472 | | | | 350 | | G6.3 @8,000 RPM |
| OM33772 | | | | 400 | | G6.3 @8,000 RPM |
| OM33773 | DV50 FMB AV 22 | 22mm | 48 | 200 | 19 | G6.3 @8,000 RPM |
| OM36473 | | | | 250 | | G6.3 @8,000 RPM |
| OM33774 | | | | 300 | | G6.3 @8,000 RPM |
| OM36474 | | | | 350 | | G6.3 @8,000 RPM |
| OM33775 | DV50 FMB AV 27 | 27mm | 58 | 400 | 21 | G6.3 @8,000 RPM |
| OM33776 | | | | 200 | | G6.3 @8,000 RPM |
| OM36475 | | | | 250 | | G6.3 @8,000 RPM |
| OM33777 | | | | 300 | | G6.3 @8,000 RPM |
| OM36476 | DV50 FMB AV 32 | 32mm | 78 | 350 | 24 | G6.3 @8,000 RPM |
| OM33778 | | | | 400 | | G6.3 @8,000 RPM |
| OM36477 | | | | 200 | | G6.3 @8,000 RPM |
| OM36478 | | | | 250 | | G6.3 @8,000 RPM |
| OM33779 | DV50 FMB AV 32 | 32mm | 78 | 300 | 24 | G6.3 @8,000 RPM |
| OM36479 | | | | 350 | | G6.3 @8,000 RPM |
| OM36480 | | | | 400 | | G6.3 @8,000 RPM |



DIN 69871

MANDRINS PORTE FRAISE À TROU COMBI DV40 & DV50

- DIN 69871
- Pour le serrage de Fraises à rainure

| Code Article | Description | Ø Tenon | Long de jauge (mm) | Forme |
|--------------|---------------|---------|--------------------|-------|
| OM31172 | DV40 COMBI 16 | 16mm | 55 | AD |
| OM31171 | | | 100 | AD |
| OM31174 | DV40 COMBI 22 | 22mm | 55 | AD |
| OM31173 | | | 100 | AD |
| OM31176 | DV40 COMBI 27 | 27mm | 55 | AD |
| OM31175 | | | 100 | AD |
| OM31177 | DV40 COMBI 32 | 32mm | 60 | AD |
| OM31178 | DV40 COMBI 40 | 40mm | 60 | AD |

| | | | | |
|---------|---------------|------|-----|----|
| OM31220 | DV50 COMBI 16 | 16mm | 55 | AD |
| OM31222 | DV50 COMBI 22 | 22mm | 55 | AD |
| OM31221 | | | 100 | AD |
| OM31225 | DV50 COMBI 27 | 27mm | 55 | AD |
| OM31224 | | | 100 | AD |
| OM31228 | DV50 COMBI 32 | 32mm | 55 | AD |
| OM31227 | | | 100 | AD |
| OM31231 | DV50 COMBI 40 | 40mm | 60 | AD |
| OM31229 | | | 100 | AD |



MANDRIN POUR CONE MORSE DV40 & DV50

- DIN 69871
- Pour Outils avec Queue Cone Morse

| Code Article | Description | Long de jauge (mm) | Forme | Equilibrage |
|--------------|-------------|--------------------|-------|------------------|
| OM31202 | DV40 MTA 1 | 50 | AD | G2.5 @20,000 RPM |
| OM31203 | DV40 MTA 2 | 50 | AD | G2.5 @20,000 RPM |
| OM31204 | DV40 MTA 3 | 70 | AD | G2.5 @20,000 RPM |
| OM31205 | DV40 MTA 4 | 95 | AD | G2.5 @20,000 RPM |

| | | | | |
|---------|------------|-----|----|------------------|
| OM31240 | DV50 MTA 1 | 60 | AD | G6.3 @15,000 RPM |
| OM31241 | DV50 MTA 2 | 60 | AD | G6.3 @15,000 RPM |
| OM31242 | DV50 MTA 3 | 65 | AD | G6.3 @15,000 RPM |
| OM31243 | DV50 MTA 4 | 95 | AD | G6.3 @15,000 RPM |
| OM31244 | DV50 MTA 5 | 105 | AD | G6.3 @15,000 RPM |



DIN 69871

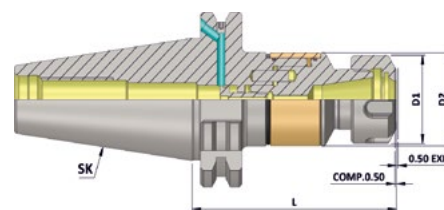
MANDRIN POUR CONE MORSE AVEC VIS INCORPORÉE DV40

- DIN69871
- Pour outils Cône Morse a visser en bout
- G6.3 @ 15,000 RPM

| Code Article | Description | Long de jauge (mm) | Figure |
|--------------|-------------|--------------------|--------|
| OM30273 | DV40 MTB 1 | 45 | 1 |
| OM30274 | DV40 MTB 2 | 60 | 1 |
| OM30275 | DV40 MTB 3 | 80 | 2 |
| OM30276 | DV40 MTB 4 | 100 | 2 |



MANDRIN DE TARAUDAGE POUR BROCHE SYNCHRONISÉE CLM DV40 & DV50



- DIN69871
- Mandrin de Taraudage Compensation long Mini
- +/-0.5mm Compression & Expansion
- La Concentricité élevée Permet un Taraudage à grande Vitesse
- Recommandé pour utilisation avec des pinces type QCTC
- Pinces QCTC - Page 150

| Code Article | Description | Capacité | Plage de Serrage (mm) | Erou | Dimensions (mm) | | | | |
|--------------|---------------|----------|-----------------------|------|-----------------|----|-----|-------|------|
| | | | | | | D2 | L | Comp. | Exp. |
| OM32439 | DV40 MLC ER16 | M3-M12 | 1-10 | ER16 | 32 | 34 | 79 | 0.5 | 0.5 |
| OM32440 | DV40 MLC ER20 | M3-M16 | 3.5-10 | ER20 | 35 | 34 | 80 | 0.5 | 0.5 |
| OM32441 | DV40 MLC ER25 | M3-M20 | 3.5-16 | ER25 | 42 | 34 | 84 | 0.5 | 0.5 |
| OM32442 | DV40 MLC ER32 | M4-M27 | 3.5-20 | ER32 | 50 | 45 | 95 | 0.5 | 0.5 |
| OM32443 | DV40 MLC ER40 | M6-M33 | 6-26 | ER40 | 63 | 62 | 120 | 0.5 | 0.5 |

| | | | | | | | | | |
|---------|---------------|--------|--------|------|----|----|-----|-----|-----|
| OM32444 | DV50 MLC ER16 | M3-M12 | 1-10 | ER16 | 32 | 34 | 79 | 0.5 | 0.5 |
| OM32445 | DV50 MLC ER20 | M3-M16 | 3.5-10 | ER20 | 35 | 34 | 80 | 0.5 | 0.5 |
| OM32460 | DV50 MLC ER25 | M3-M20 | 3.5-16 | ER25 | 42 | 34 | 84 | 0.5 | 0.5 |
| OM32470 | DV50 MLC ER32 | M4-M27 | 3.5-20 | ER32 | 50 | 45 | 95 | 0.5 | 0.5 |
| OM32471 | DV50 MLC ER40 | M6-M33 | 6-26 | ER40 | 63 | 62 | 105 | 0.5 | 0.5 |



MANDRIN DE TARAUDAGE À CHANGEMENT RAPIDE DV40 & DV50

- DIN 69871
- Compensation Axiale
- Avec Tension et Compression
- Douilles de changement rapide disponible en 3 tailles
- Douilles de changement rapide - Page 156

| Code Article | Description | Long de jauge (mm) | Plage de Taraudage |
|--------------|--------------------------|--------------------|--------------------|
| OM31379 | DV40 Size 1 (TC312-59) | 59 | M3 - M12 |
| OM31380 | DV40 Size 2 (TC820-97) | 97 | M6 - M20 |
| OM31381 | DV40 Size 3 (TC1433-156) | 156 | M14 - M36 |

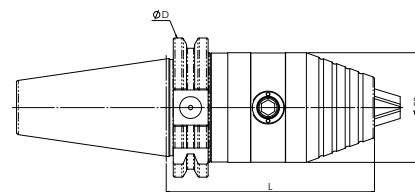
| | | | |
|---------|--------------------------|-----|-----------|
| OM31382 | DV50 Size 1 (TC312-63) | 63 | M3 - M12 |
| OM31383 | DV50 Size 2 (TC820-97) | 97 | M6 - M20 |
| OM31384 | DV50 Size 3 (TC1433-140) | 140 | M14 - M36 |



MANDRIN DE PERÇAGE AVEC SERRAGE À CLÉ HEXAGONALE

DV40 & DV50

- DIN 69871
- Mandrin de perçage standard
- Forte force de serrage dans le sens des aiguille d'une montre et dans le sens opposé
- Haute résistance à l'usure avec les mors en Titane
- Clé Hexagonale de rechange - Page 181



| Code Article | Description | Capacité | L | D |
|--------------|----------------|----------|----|-------|
| OM33662 | DV40 GHK 13 90 | 0.3-13 | 90 | 63.55 |
| OM33663 | DV40 GHK 16 95 | 1.5-16 | 95 | 63.55 |

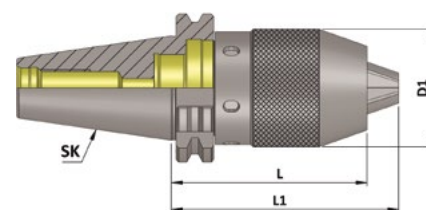
| | | | | |
|---------|----------------|--------|----|------|
| OM33664 | DV50 GHK 13 90 | 0.3-13 | 90 | 97.5 |
| OM33665 | DV50 GHK 16 95 | 1.5-16 | 95 | 97.5 |

DIN 69871

MANDRINS DE PERÇAGE NCDC

DV40 & DV50

- DIN 69871
- Mandrin de Perçage de haute Précision
- Rigidité Maximum
- Clé de serrage NCDC - Page 181



| Code Article | Description | Dimensions (mm) | | | |
|--------------|------------------|-----------------|----|-----|-------|
| | | Capacité | D1 | L | L1 |
| OM33655 | DV40 NCDC 1-13mm | 1-13mm | 50 | 86 | 98.5 |
| OM33656 | DV50 NCDC 1-13mm | 1-13mm | 50 | 108 | 120.5 |

MANDRINS DE PERÇAGE APU

DV40 & DV50

- DIN 69871
- Mandrin de perçage auto-serrant version économique
- Clé APU - Page 181



| Code Article | Description | Long de jauge (mm) | Capacity |
|--------------|--------------------|--------------------|----------|
| OM31170 | DV40 APU 13 1-13mm | 100 | 1-13mm |
| OM31571 | DV40 APU 16 3-16mm | 120 | 3-16mm |

| | | | |
|---------|--------------------|-----|--------|
| OM31218 | DV50 APU 13 1-13mm | 100 | 1-13mm |
| OM31219 | DV50 APU 16 3-16mm | 105 | 3-16mm |

ATTACHEMENT POUR MANDRIN DE PERÇAGE DV40 & DV50

- DIN 69871
- Pour monter des mandrins de perçage
- Mandrins de perçage - Page 168

| Code Article | Description | Equilibrage |
|--------------|-------------|-------------------|
| OM31201 | DV40 JT6 | G6.3 @ 12,000 RPM |
| OM31448 | DV40 B16 | G6.3 @ 12,000 RPM |

| | | |
|---------|----------|-------------------|
| OM31239 | DV50 JT6 | G6.3 @ 12,000 RPM |
| OM31534 | DV50 B16 | G6.3 @ 12,000 RPM |



DIN 69871

MANDRIN DE CONTROLE DV40 & DV50

- DIN 69871
- Mandrin de controle
- Fournis avec un coffret de protection en bois

| Code Article | Description | Diamètre (mm) | Long de jauge (mm) |
|--------------|-----------------|---------------|--------------------|
| OM33744 | DV40 Test Arbor | 40 | 300 |
| OM33745 | DV50 Test Arbor | 50 | 350 |



BARRES D'ALÉSAGE D'ÉBAUCHES DV40 & DV50

- DIN 69871
- Pour fabrication d'outils spéciaux

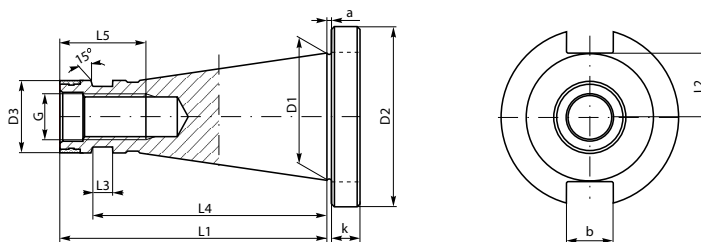
| Code Article | Description | Diamètre (mm) | Long de jauge (mm) |
|--------------|---------------------|---------------|--------------------|
| OM30293 | DV40 EBAUCHE 63 250 | 63 | 250 |

| | | | |
|---------|---------------------|----|-----|
| OM30294 | DV50 EBAUCHE 97 315 | 97 | 315 |
|---------|---------------------|----|-----|



DIN 2080 CARACTÉRISTIQUES TECHNIQUES

- Fabriqué en acier cémenté trempé
- Surface de traitement HRC60+2
- Profondeur de traitement 0.8mm+0.2mm
- Tolérance du cône AT3



| Taper | D1 | a | b | k | G | D2 | D3 | L1 | L2 | L3 | L4 | L5 |
|-------|------|-----|------|----|-----|------|------|-------|------|----|-----|----|
| 30 | 31.8 | 1.6 | 16.1 | 8 | M12 | 50.0 | 17.5 | 68.4 | 16.2 | - | - | 24 |
| 40 | 44.5 | 1.6 | 16.1 | 10 | M16 | 63.0 | 25.0 | 93.4 | 22.5 | 7 | 82 | 32 |
| 50 | 69.9 | 3.2 | 25.7 | 12 | M24 | 97.5 | 39.2 | 126.8 | 35.3 | 13 | 115 | 47 |

MANDRINS À PINCES ER ISO 40 & ISO 50

- DIN2080
- Mandrins à Pincés avec Ecrou Standard
- Pincés ER – Page 118
- Pièces détachées – Page 178

| Code Article | Description | Long de jauge (mm) | Forme | Ecrou | Equilibrage |
|--------------|-----------------|--------------------|-------|--------------------------------|-------------------|
| OM31258 | DIN2080 40 ER16 | 70 | AD | ER16 écrou hexagonal (OM31426) | G6.3 @ 15,000 RPM |
| OM31963 | | 100 | AD | | G6.3 @ 15,000 RPM |
| OM30334 | | 160 | AD | | G6.3 @ 15,000 RPM |
| OM30335 | | 200 | AD | | G6.3 @ 15,000 RPM |
| OM31259 | DIN2080 40 ER25 | 60 | AD | ER25 écrou standard (OM31421) | G6.3 @ 15,000 RPM |
| OM31964 | | 100 | AD | | G6.3 @ 15,000 RPM |
| OM30336 | | 160 | AD | | G6.3 @ 15,000 RPM |
| OM30337 | | 200 | AD | | G6.3 @ 15,000 RPM |
| OM31260 | DIN2080 40 ER32 | 70 | AD | ER32 écrou standard (OM31422) | G6.3 @ 15,000 RPM |
| OM31965 | | 100 | AD | | G6.3 @ 15,000 RPM |
| OM30338 | | 160 | AD | | G6.3 @ 15,000 RPM |
| OM30339 | | 200 | AD | | G6.3 @ 15,000 RPM |
| OM31333 | DIN2080 40 ER40 | 80 | AD | ER40 écrou standard (OM31423) | G6.3 @ 15,000 RPM |
| OM30340 | | 100 | AD | | G6.3 @ 15,000 RPM |
| OM30341 | | 160 | AD | | G6.3 @ 15,000 RPM |
| OM30342 | | 200 | AD | | G6.3 @ 15,000 RPM |

| | | | | | |
|---------|-----------------|----|----|-------------------------------|-------------------|
| OM31279 | DIN2080 50 ER32 | 70 | AD | ER32 écrou standard (OM31422) | G6.3 @ 15,000 RPM |
| OM31280 | DIN2080 50 ER40 | 70 | AD | ER40 écrou standard (OM31423) | G6.3 @ 15,000 RPM |



MANDRINS PORTE-FRAISES ISO 40 & ISO 50

- DIN2080
- Pour serrage d'outils avec queue cylindrique et méplat Weldon
- Vis de serrage de rechange - Page 182

| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) | Equilibrage |
|--------------|-----------------|--------------------------|--------------------|-------------------|
| OM31270 | DIN2080 40 W 06 | 6mm | 50 | G6.3 @ 15,000 RPM |
| OM30343 | | | 100 | G6.3 @ 15,000 RPM |
| OM31271 | DIN2080 40 W 08 | 8mm | 50 | G6.3 @ 15,000 RPM |
| OM30344 | | | 100 | G6.3 @ 15,000 RPM |
| OM31272 | DIN2080 40 W 10 | 10mm | 63 | G6.3 @ 15,000 RPM |
| OM30345 | | | 100 | G6.3 @ 15,000 RPM |
| OM31273 | DIN2080 40 W 12 | 12mm | 63 | G6.3 @ 15,000 RPM |
| OM30346 | | | 100 | G6.3 @ 15,000 RPM |
| OM31274 | DIN2080 40 W 16 | 16mm | 63 | G6.3 @ 15,000 RPM |
| OM30347 | | | 100 | G6.3 @ 15,000 RPM |
| OM31275 | DIN2080 40 W 20 | 20mm | 63 | G6.3 @ 15,000 RPM |
| OM30348 | | | 100 | G6.3 @ 15,000 RPM |
| OM31276 | DIN2080 40 W 25 | 25mm | 90 | G6.3 @ 15,000 RPM |
| OM31277 | DIN2080 40 W 32 | 32mm | 100 | G6.3 @ 15,000 RPM |
| OM31278 | DIN2080 40 W 40 | 40mm | 90 | G6.3 @ 15,000 RPM |

| | | | | |
|---------|-----------------|------|-----|-------------------|
| OM31290 | DIN2080 50 W 16 | 16mm | 63 | G6.3 @ 15,000 RPM |
| OM31291 | DIN2080 50 W 20 | 20mm | 63 | G6.3 @ 15,000 RPM |
| OM31292 | DIN2080 50 W 25 | 25mm | 90 | G6.3 @ 15,000 RPM |
| OM31293 | DIN2080 50 W 32 | 32mm | 100 | G6.3 @ 15,000 RPM |
| OM31294 | DIN2080 50 W 40 | 40mm | 100 | G6.3 @ 15,000 RPM |



MANDRIN PORTE FRAISE À TROU

ISO 40 & ISO 50

- DIN2080
- Pour Monter des Fraises à Surfacer

| Code Article | Description | Ø Tenon | Long de jauge (mm) | Equilibrage |
|--------------|-------------------|---------|--------------------|-------------------|
| OM31261 | DIN2080 40 FMB 16 | 16mm | 45 | G6.3 @ 15,000 RPM |
| OM30349 | | | 100 | G6.3 @ 15,000 RPM |
| OM30350 | | | 160 | G6.3 @ 15,000 RPM |
| OM30351 | | | 200 | G6.3 @ 15,000 RPM |
| OM31262 | DIN2080 40 FMB 22 | 22mm | 45 | G6.3 @ 15,000 RPM |
| OM30352 | | | 100 | G6.3 @ 15,000 RPM |
| OM30353 | | | 160 | G6.3 @ 15,000 RPM |
| OM30354 | | | 200 | G6.3 @ 15,000 RPM |
| OM31263 | DIN2080 40 FMB 27 | 27mm | 45 | G6.3 @ 15,000 RPM |
| OM30355 | | | 100 | G6.3 @ 15,000 RPM |
| OM30356 | | | 160 | G6.3 @ 15,000 RPM |
| OM30357 | | | 200 | G6.3 @ 15,000 RPM |
| OM31264 | DIN2080 40 FMB 32 | 32mm | 60 | G6.3 @ 15,000 RPM |
| OM30358 | | | 100 | G6.3 @ 15,000 RPM |
| OM30359 | | | 160 | G6.3 @ 15,000 RPM |
| OM30360 | | | 200 | G6.3 @ 15,000 RPM |
| OM31984 | DIN2080 40 FMB 40 | 40mm | 60 | G6.3 @ 15,000 RPM |
| OM30361 | | | 100 | G6.3 @ 15,000 RPM |
| OM30362 | | | 160 | G6.3 @ 15,000 RPM |
| OM30363 | | | 200 | G6.3 @ 15,000 RPM |

| | | | | |
|---------|-------------------|------|----|-------------------|
| OM31281 | DIN2080 50 FMB 22 | 22mm | 45 | G6.3 @ 15,000 RPM |
| OM31282 | DIN2080 50 FMB 27 | 27mm | 45 | G6.3 @ 15,000 RPM |
| OM31283 | DIN2080 50 FMB 32 | 32mm | 60 | G6.3 @ 15,000 RPM |
| OM31284 | DIN2080 50 FMB 40 | 40mm | 60 | G6.3 @ 15,000 RPM |



DIN 2080

MANDRIN POUR CONE MORSE ISO 40 & ISO 50

- DIN 2080
- Pour Outils avec Queue Cone Morse

| Code Article | Description | Long de jauge (mm) | Equilibrage |
|--------------|------------------|--------------------|-------------------|
| OM31266 | DIN2080 40 MTA 1 | 45 | G6.3 @ 15,000 RPM |
| OM31267 | DIN2080 40 MTA 2 | 60 | G6.3 @ 15,000 RPM |
| OM31268 | DIN2080 40 MTA 3 | 60 | G6.3 @ 15,000 RPM |
| OM31269 | DIN2080 40 MTA 4 | 95 | G6.3 @ 15,000 RPM |

| | | | |
|---------|------------------|-----|-------------------|
| OM31286 | DIN2080 50 MTA 2 | 45 | G6.3 @ 15,000 RPM |
| OM31287 | DIN2080 50 MTA 3 | 60 | G6.3 @ 15,000 RPM |
| OM31288 | DIN2080 50 MTA 4 | 90 | G6.3 @ 15,000 RPM |
| OM31289 | DIN2080 50 MTA 5 | 105 | G6.3 @ 15,000 RPM |



DIN 2080

MANDRIN DE TARAUDAGE À CHANGEMENT RAPIDE ISO 40 & ISO 50

- DIN 2080
- Compensation Axiale
- Avec Tension et Compression
- Douilles de changement rapide disponible en 3 tailles
- Douilles de changement rapide - Page 156

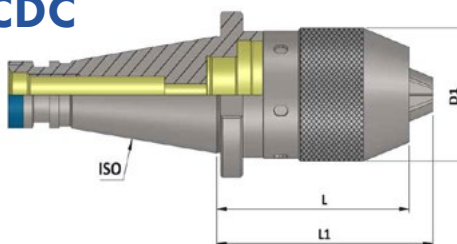
| Code Article | Description | Long de jauge (mm) | Plage de Taraudage |
|--------------|----------------------------------|--------------------|--------------------|
| OM31373 | DIN2080 40 Taille 1 (TC312-55) | 55 | M3 - M12 |
| OM31374 | DIN2080 40 Taille 2 (TC820-86) | 86 | M6 - M20 |
| OM31375 | DIN2080 40 Taille 3 (TC1433-132) | 132 | M14 - M36 |

| | | | |
|---------|--------------------------------|-----|-----------|
| OM31376 | DIN2080 50 Taille 1 (TC312-62) | 62 | M3 - M12 |
| OM31377 | DIN2080 50 Taille 2 (TC820-90) | 90 | M6 - M20 |
| OM31378 | DIN2080 50 Size 3 (TC1433-117) | 117 | M14 - M36 |



MANDRINS DE PERÇAGE NCDC ISO 40 & ISO 50

- Mandrin de Perçage de haute Précision, accuracy <0.05mm
- Rigidité Maximum
- Clé de serrage NCDC - Page 181



| Code Article | Description | Dimensions (mm) | | | |
|--------------|------------------------|-----------------|----|------|-----|
| | | Capacité | D1 | L | L1 |
| OM31546 | DIN2080 40 NCDC 1-13mm | 1-13mm | 50 | 88.5 | 101 |

| | | | | | |
|---------|------------------------|--------|----|------|-----|
| OM31547 | DIN2080 50 NCDC 1-13mm | 1-13mm | 50 | 88.5 | 101 |
|---------|------------------------|--------|----|------|-----|

MANDRIN DE PERÇAGE MONOBLOC AUTO-SERRANT ISO 40 & ISO 50

- DIN 2080
- Mandrin de perçage auto-serrant version économique
- Clé APU - Page 181

| Code Article | Description | Long de jauge (mm) | Equilibrage |
|--------------|-------------------------|--------------------|------------------|
| OM31358 | DIN2080 40 APU13 1-13mm | 100 | G6.3 @ 15,000RPM |

| | | | |
|---------|-------------------------|-----|------------------|
| OM31359 | DIN2080 50 APU16 1-16mm | 105 | G6.3 @ 15,000RPM |
|---------|-------------------------|-----|------------------|



DIN 2080

ATTACHEMENT POUR MANDRIN DE PERÇAGE ISO 40 & ISO 50

- DIN 2080
- Pour monter des mandrins de perçage
- Mandrins de perçage - Page 168

| Code Article | Description | Long de jauge (mm) | Equilibrage |
|--------------|----------------|--------------------|------------------|
| OM31265 | DIN2080 40 JT6 | 45 | G6.3 @ 15,000RPM |
| OM31985 | DIN2080 40 B16 | 45 | G6.3 @ 15,000RPM |

| | | | |
|---------|----------------|----|------------------|
| OM31285 | DIN2080 50 JT6 | 45 | G6.3 @ 15,000RPM |
| OM31986 | DIN2080 50 B16 | 45 | G6.3 @ 15,000RPM |



BARRES D'ALÉSAGE D'ÉBAUCHES ISO 40 & ISO 50

- DIN 2080

| Code Article | Description | Diameter (mm) | Long de jauge (mm) |
|--------------|-------------------------|---------------|--------------------|
| OM31049 | DIN2080 40 BLANK 63 250 | 63 | 250 |

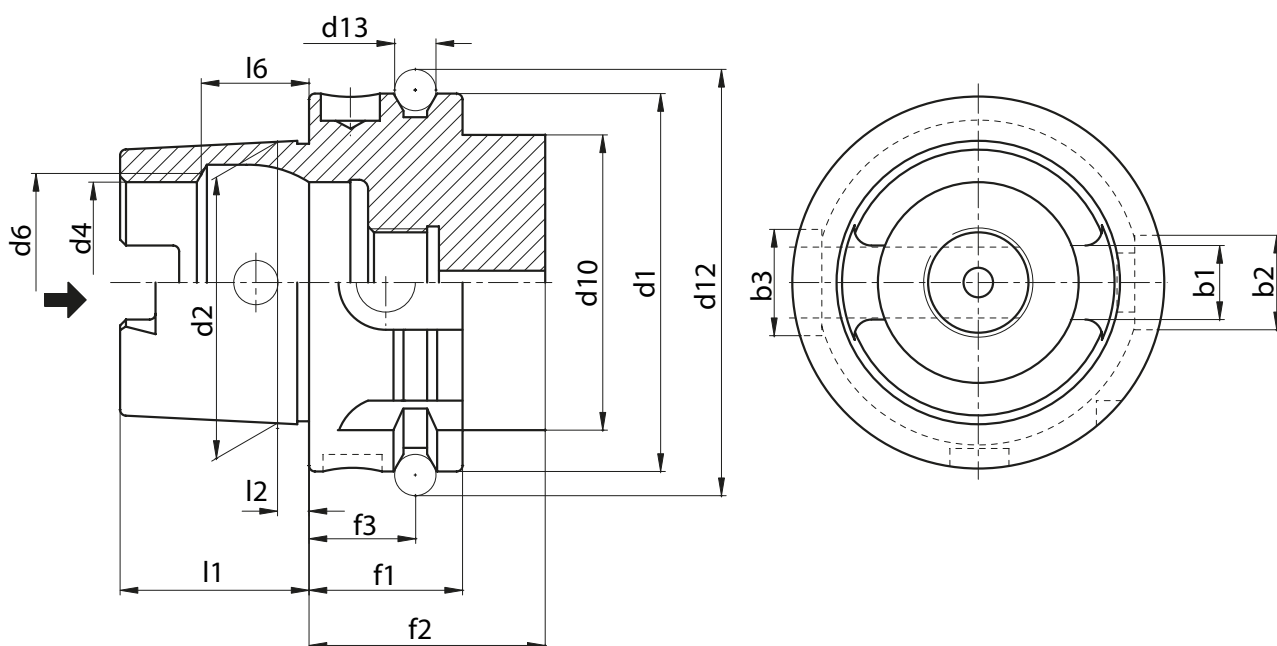
| | | | |
|---------|-------------------------|----|-----|
| OM31055 | DIN2080 50 BLANK 97 315 | 97 | 315 |
|---------|-------------------------|----|-----|



HSK63A

HSK63A (DIN69893 A+C) CARACTERISTIQUES TECHNIQUES

- Fabriqué en acier cémenté trempé
- Surface de traitement HRC60+2
- Profondeur de traitement 0.8mm+0.2mm
- Tolérance du cône AT3



| | HSK 32 | HSK 40 | HSK 50 | HSK 63 | HSK 100 | HSK 125 |
|-----|--------|--------|--------|--------|---------|---------|
| b1 | 7.05 | 8.05 | 10.54 | 12.54 | 20.02 | 25.02 |
| b2 | 7 | 9 | 12.0 | 16 | 20.00 | 25.0 |
| b3 | 9 | 11 | 14.0 | 18 | 22.00 | 28.0 |
| d1 | 32 | 40 | 50 | 63 | 100 | 125 |
| d2 | 24 | 30 | 38 | 48 | 75 | 95 |
| d4 | 17 | 21 | 26 | 34 | 53 | 67 |
| d6 | 19 | 23 | 29 | 37 | 58 | 73 |
| d10 | 26 | 34 | 42 | 53 | 88 | 111 |
| d12 | 37 | 45 | 59.3 | 72.3 | 109.75 | 134.75 |
| d13 | 4 | 4 | 7 | 7 | 7 | 7 |
| f1 | 20 | 20 | 26 | 26 | 29 | 29 |
| f2 | 35 | 35 | 42 | 42 | 45 | 45 |
| f3 | 16 | 16 | 18 | 18 | 20 | 20 |
| l1 | 16 | 20 | 25 | 32 | 50 | 63 |
| l2 | 3.2 | 4 | 5 | 6.3 | 10 | 12.5 |
| l6 | 8.92 | 11.42 | 14.13 | 18.13 | 28.56 | 36.27 |

MANDRINS À PINCES ER MINI HSK63A

- HSK63A (DIN 69893)
- Mandrins à Pincés ER avec Ecrou Mini
- Mandrins à Pincés ER encombrement réduit et long
- Pincés ER – Page 118
- Pièces détachées – Page 178

| Code Article | Description | Long de jauge (mm) | Ecrou | Equilibrage |
|--------------|------------------|--------------------|---------------------|-------------------|
| OM30364 | HSK63A ER11 MINI | 100 | ER11 Mini (OM31414) | G2.5 @ 25,000 RPM |
| OM30796 | | 160 | | G2.5 @ 25,000 RPM |
| OM30396 | HSK63A ER16 MINI | 100 | ER16 Mini (OM31415) | G2.5 @ 25,000 RPM |
| OM31996 | | 160 | | G2.5 @ 25,000 RPM |



MANDRINS À PINCES ER HSK63A

- HSK63A (DIN 69893)
- Mandrins à Pincés ER avec Ecrou Standard
- Pincés ER – Page 118
- Pièces détachées – Page 178

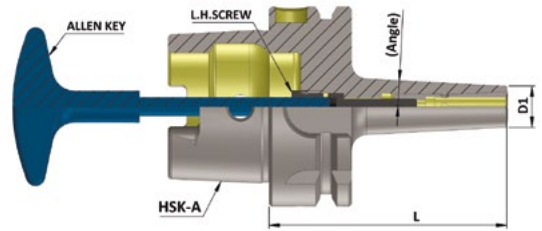
| Code Article | Description | Long de jauge (mm) | Ecrou | Equilibrage |
|--------------|-------------|--------------------|--------------------------------|-------------------|
| OM31500 | HSK63A ER16 | 75 | ER16 écrou hexagonal (OM31426) | G2.5 @ 25,000 RPM |
| OM31501 | | 100 | | G2.5 @ 25,000 RPM |
| OM31987 | | 160 | | G2.5 @ 25,000 RPM |
| OM30374 | | 200 | | G2.5 @ 25,000 RPM |
| OM31502 | HSK63A ER25 | 75 | ER25 écrou standard (OM31421) | G2.5 @ 25,000 RPM |
| OM31503 | | 100 | | G2.5 @ 25,000 RPM |
| OM31988 | | 160 | | G2.5 @ 25,000 RPM |
| OM30375 | | 200 | | G2.5 @ 25,000 RPM |
| OM31504 | HSK63A ER32 | 75 | ER32 écrou standard (OM31422) | G2.5 @ 25,000 RPM |
| OM31505 | | 100 | | G2.5 @ 25,000 RPM |
| OM31989 | | 160 | | G2.5 @ 25,000 RPM |
| OM30376 | | 200 | | G2.5 @ 25,000 RPM |
| OM30278 | HSK63A ER40 | 80 | ER40 écrou standard (OM31423) | G2.5 @ 25,000 RPM |



HSK63A

MANDRINS À PINCE POUR MOULE HSK63A

- HSK63A (DIN69893)
- Pinces à fixation arrière
- Pinces fine et Ultra Précision
- Haute Précision <0,005mm
- Equilibré G2,5 @25000tr
- Pinces DMC – Page 148
- Clés Hex. Page 181



| Code Article | Description | Dimensions (mm) | | | Conicité | Pince | Vis | Clé Allen |
|--------------|---------------|------------------|----|-----|----------|--------|-----|-----------|
| | | Plage de serrage | D1 | L | | | | |
| OM32367 | HSK63A DMC 06 | 3-6 | 13 | 75 | 3° | DMC 06 | M5 | 4X200 |
| OM32368 | | 3-6 | 13 | 95 | 3° | DMC 06 | M5 | 4X200 |
| OM32369 | | 3-6 | 13 | 120 | 3° | DMC 06 | M5 | 4X200 |
| OM32370 | | 3-6 | 13 | 160 | 3° | DMC 06 | M5 | 4X200 |
| OM32371 | HSK63A DMC 08 | 3-8 | 22 | 100 | 3° | DMC 08 | M6 | 5X200 |
| OM32372 | | 3-8 | 22 | 160 | 3° | DMC 08 | M6 | 5X200 |
| OM32373 | HSK63A DMC 10 | 4-10 | 28 | 110 | 3° | DMC 10 | M8 | 6X200 |

HSK63A

MANDRINS À EXPANSION HYDRAULIQUE HSK63A

- HSK63A (DIN69893)
- Mandrins Hydrauliques Ultra Précision
- Haute Précision <0,005mm
- Equilibré G2,5 @25000tr
- Pièces détachées – Page 180



Figure 1

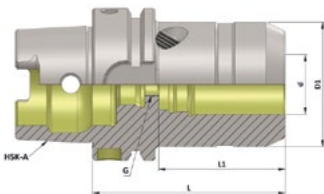
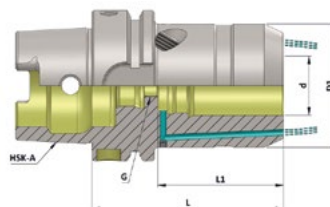


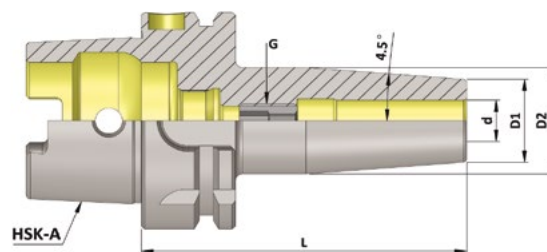
Figure 2



| Code Article | Description | Dimensions (mm) | | | | | Fig. |
|--------------|--------------|-----------------|----|-----|----|----|--------|
| | | d | D1 | G | L | L1 | |
| OM32206 | HSK63A HC12S | 12 | 42 | M10 | 80 | 40 | Fig. 1 |
| OM32208 | | 12 | 42 | M10 | 80 | 40 | Fig. 2 |
| OM32207 | HSK63A HC20S | 20 | 50 | M16 | 80 | 42 | Fig. 1 |
| OM32209 | | 20 | 50 | M16 | 80 | 42 | Fig. 2 |

MANDRINS DE FRETTAGE HSK63A

- HSK63A (DIN 69893)
- Fort serrage et rigide
- Forme AD/B
- 4.5 Degrée
- Equilibré G2,5 @25000tr



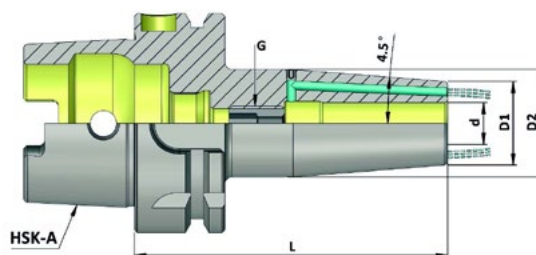
| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------|-----------------|----|----|-----|-----|
| | | d | D1 | D2 | G | L |
| OM30901 | HSK63A SF 03 | 3mm | 10 | 20 | - | 80 |
| OM30902 | | | 10 | 20 | - | 120 |
| OM30903 | | | 10 | 20 | - | 160 |
| OM30848 | HSK63A SF 04 | 4mm | 15 | 22 | - | 80 |
| OM30904 | | | 15 | 22 | - | 120 |
| OM30905 | | | 15 | 22 | - | 160 |
| OM30906 | HSK63A SF 05 | 5mm | 15 | 22 | - | 80 |
| OM30907 | | | 15 | 22 | - | 120 |
| OM30908 | | | 15 | 22 | - | 160 |
| OM30849 | HSK63A SF 06 | 6mm | 21 | 27 | M5 | 80 |
| OM30850 | | | 21 | 27 | M5 | 120 |
| OM30851 | | | 21 | 27 | M5 | 160 |
| OM30852 | HSK63A SF 08 | 8mm | 21 | 27 | M6 | 80 |
| OM30853 | | | 21 | 27 | M6 | 120 |
| OM30854 | | | 21 | 27 | M6 | 160 |
| OM30855 | HSK63A SF 10 | 10mm | 24 | 31 | M8 | 85 |
| OM30856 | | | 24 | 31 | M8 | 120 |
| OM30857 | | | 24 | 31 | M8 | 160 |
| OM30858 | HSK63A SF 12 | 12mm | 24 | 31 | M10 | 90 |
| OM30859 | | | 24 | 31 | M10 | 120 |
| OM30860 | | | 24 | 31 | M10 | 160 |
| OM30909 | HSK63A SF 14 | 14mm | 27 | 34 | M10 | 90 |
| OM30910 | | | 27 | 34 | M10 | 120 |
| OM30911 | | | 27 | 34 | M10 | 160 |
| OM30861 | HSK63A SF 16 | 16mm | 27 | 34 | M12 | 95 |
| OM30862 | | | 27 | 34 | M12 | 120 |
| OM30863 | | | 27 | 34 | M12 | 160 |
| OM30912 | HSK63A SF 18 | 18mm | 33 | 40 | M12 | 95 |
| OM30913 | | | 33 | 40 | M12 | 120 |
| OM30914 | | | 33 | 40 | M12 | 160 |
| OM30864 | HSK63A SF 20 | 20mm | 33 | 40 | M16 | 100 |
| OM30865 | | | 33 | 40 | M16 | 120 |
| OM30866 | | | 33 | 40 | M16 | 160 |
| OM30867 | HSK63A SF 25 | 25mm | 44 | 44 | M16 | 115 |
| OM30868 | | | 44 | 44 | M16 | 160 |
| OM30869 | | | 44 | 44 | M16 | 120 |
| OM30870 | HSK63A SF 32 | 32mm | 44 | 44 | M16 | 160 |



HSK63A

MANDRINS DE FRETTAGE AVEC TROU DE LUBRIFICATION HSK63A

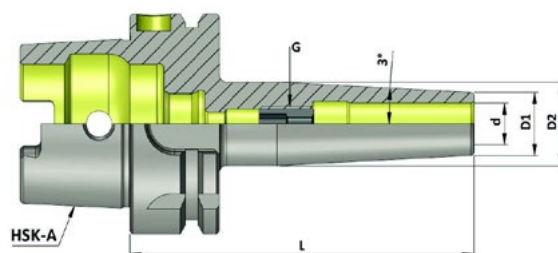
- HSK63A (DIN 69893)
- Fort serrage et rigide
- 4.5 Degrée
- Equilibré G2,5 @25000tr



| Code Article | Description | Dimensions (mm) | | | | |
|--------------|-----------------|-----------------|----|----|-----|-----|
| | | d | D1 | D2 | G | L |
| OM37012 | HSK63A SF03 FCC | 3mm | 10 | 20 | - | 80 |
| OM37013 | | | 10 | 20 | - | 120 |
| OM37014 | | | 10 | 20 | - | 160 |
| OM37015 | HSK63A SF04 FCC | 4mm | 15 | 22 | - | 80 |
| OM37016 | | | 15 | 22 | - | 120 |
| OM37017 | | | 15 | 22 | - | 160 |
| OM37018 | HSK63A SF05 FCC | 5mm | 15 | 22 | - | 80 |
| OM37019 | | | 15 | 22 | - | 120 |
| OM37020 | | | 15 | 22 | - | 160 |
| OM37021 | HSK63A SF06 FCC | 6mm | 21 | 27 | M5 | 80 |
| OM37022 | | | 21 | 27 | M5 | 120 |
| OM37023 | | | 21 | 27 | M5 | 160 |
| OM37024 | HSK63A SF08 FCC | 8mm | 21 | 27 | M6 | 80 |
| OM37025 | | | 21 | 27 | M6 | 120 |
| OM37026 | | | 21 | 27 | M6 | 160 |
| OM37027 | HSK63A SF10 FCC | 10mm | 24 | 31 | M8 | 85 |
| OM37028 | | | 24 | 31 | M8 | 120 |
| OM37029 | | | 24 | 31 | M8 | 160 |
| OM37030 | HSK63A SF12 FCC | 12mm | 24 | 31 | M10 | 90 |
| OM37031 | | | 24 | 31 | M10 | 120 |
| OM37032 | | | 24 | 31 | M10 | 160 |
| OM37033 | HSK63A SF14 FCC | 14mm | 27 | 34 | M10 | 90 |
| OM37034 | | | 27 | 34 | M10 | 120 |
| OM37035 | | | 27 | 34 | M10 | 160 |
| OM37036 | HSK63A SF16 FCC | 16mm | 27 | 34 | M12 | 95 |
| OM37037 | | | 27 | 34 | M12 | 120 |
| OM37038 | | | 27 | 34 | M12 | 160 |
| OM37039 | HSK63A SF18 FCC | 18mm | 33 | 40 | M12 | 95 |
| OM37040 | | | 33 | 40 | M12 | 120 |
| OM37041 | | | 33 | 40 | M12 | 160 |
| OM37042 | HSK63A SF20 FCC | 20mm | 33 | 40 | M16 | 100 |
| OM37043 | | | 33 | 40 | M16 | 120 |
| OM37044 | | | 33 | 40 | M16 | 160 |
| OM37045 | HSK63A SF25 FCC | 25mm | 44 | 53 | M16 | 115 |
| OM37046 | | | 44 | 53 | M16 | 120 |
| OM37047 | | | 44 | 53 | M16 | 160 |
| OM37048 | HSK63A SF32 FCC | 32mm | 44 | 53 | M16 | 120 |
| OM37049 | | | 44 | 53 | M16 | 160 |

MANDRINS DE FRETTAGE - SLIM HSK63A

- HSK63A (DIN 69893)
- Fort serrage et rigide
- 3 Degrée
- Equilibré G2,5 @25000tr



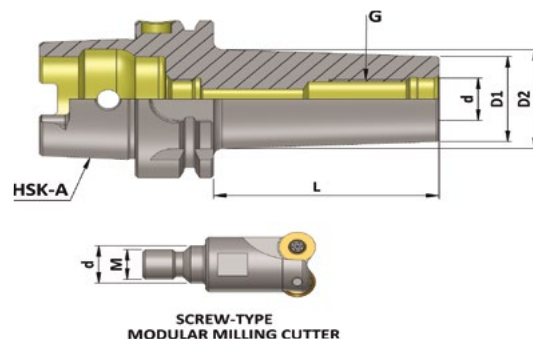
| Code Article | Description | Dimensions (mm) | | | | |
|--------------|------------------|-----------------|----|------|-----|-----|
| | | d | D1 | D2 | G | L |
| OM37050 | HSK63A SF03 SLIM | 3mm | 9 | 14 | - | 80 |
| OM37051 | | | 9 | 18 | - | 120 |
| OM37052 | | | 9 | 19 | - | 160 |
| OM37053 | HSK63A SF04 SLIM | 4mm | 10 | 15 | - | 80 |
| OM37054 | | | 10 | 19 | - | 120 |
| OM37055 | | | 10 | 23 | - | 160 |
| OM37056 | HSK63A SF05 SLIM | 5mm | 11 | 16 | - | 80 |
| OM37057 | | | 11 | 20 | - | 120 |
| OM37058 | | | 11 | 24 | - | 160 |
| OM37059 | HSK63A SF06 SLIM | 6mm | 12 | 17 | M5 | 80 |
| OM37060 | | | 12 | 21 | M5 | 120 |
| OM37061 | | | 12 | 25 | M5 | 160 |
| OM37062 | HSK63A SF08 SLIM | 8mm | 14 | 19 | M6 | 80 |
| OM37063 | | | 14 | 23 | M6 | 120 |
| OM37064 | | | 14 | 27 | M6 | 160 |
| OM37065 | HSK63A SF10 SLIM | 10mm | 16 | 21.5 | M8 | 85 |
| OM37066 | | | 16 | 25 | M8 | 120 |
| OM37067 | | | 16 | 29 | M8 | 160 |
| OM37068 | HSK63A SF12 SLIM | 12mm | 18 | 24 | M10 | 90 |
| OM37069 | | | 18 | 27 | M10 | 120 |
| OM37070 | | | 18 | 31 | M10 | 160 |
| OM37071 | HSK63A SF14 SLIM | 14mm | 20 | 26 | M10 | 90 |
| OM37072 | | | 20 | 29 | M10 | 120 |
| OM37073 | | | 20 | 32 | M10 | 160 |
| OM37074 | HSK63A SF16 SLIM | 16mm | 22 | 28 | M12 | 95 |
| OM37075 | | | 22 | 31 | M12 | 120 |
| OM37076 | | | 22 | 34 | M12 | 160 |
| OM37077 | HSK63A SF18 SLIM | 18mm | 24 | 30 | M12 | 95 |
| OM37078 | | | 24 | 33 | M12 | 120 |
| OM37079 | | | 24 | 36 | M12 | 160 |
| OM37080 | HSK63A SF20 SLIM | 20mm | 26 | 32 | M16 | 100 |
| OM37081 | | | 26 | 35 | M16 | 120 |
| OM37082 | | | 26 | 38 | M16 | 160 |



HSK63A

MANDRINS POUR FRAISE À VISSER HSK63A

- HSK63A (DIN69893)
- Mandrins pour visser des fraises Modulaire
- Equilibré G2,5 @25000tr

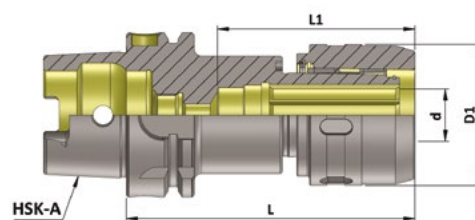


| Code Article | Description | Dimensions (mm) | | | | |
|--------------|---------------|-----------------|------|------|-----|-----|
| | | d | D1 | D2 | G | L |
| OM30984 | HSK63A MCA 06 | 6.5 | 10 | 13 | M6 | 25 |
| OM30985 | HSK63A MCA 08 | 8.5 | 13 | 15 | M8 | 25 |
| OM30986 | | 8.5 | 13 | 23 | | 50 |
| OM30987 | | 8.5 | 13 | 23 | | 75 |
| OM30988 | | 8.5 | 13 | 23 | | 100 |
| OM30989 | | 10.5 | 18 | 20 | | M10 |
| OM30990 | 10.5 | 18 | 23 | 50 | | |
| OM30991 | 10.5 | 18 | 28 | 75 | | |
| OM30992 | 10.5 | 18 | 32 | 100 | | |
| OM30993 | 10.5 | 18 | 36.5 | 150 | | |
| OM30994 | HSK63A MCA 12 | 12.5 | 21 | 24 | M12 | 25 |
| OM30995 | | 12.5 | 21 | 24 | | 50 |
| OM30996 | | 12.5 | 21 | 31 | | 75 |
| OM30997 | | 12.5 | 21 | 33 | | 100 |
| OM30998 | | 12.5 | 21 | 40 | | 150 |
| OM30776 | HSK63A MCA 16 | 17 | 29 | 29 | M16 | 25 |
| OM30777 | | 17 | 29 | 34 | | 50 |
| OM30778 | | 17 | 29 | 34 | | 75 |
| OM30779 | | 17 | 29 | 36 | | 100 |
| OM30780 | | 17 | 29 | 42.5 | | 150 |



MANDRINS À PINCES À FORT SERRAGE HSK63A

- HSK63A (DIN69893)
- Haute Précision <0,005mm
- Mandrin de fraisage à fort serrage soumis à un traitement inf-zero (-90°) pour limiter la déformation et augmenter la durée de vie
- Equilibré G6,3 @20000tr
- Pincés Cylindrique - Page 148
- Pièces détachées - Page 178



| Code Article | Description | Dimensions (mm) | | | |
|--------------|----------------|-----------------|----|-----|-----|
| | | d | D1 | L | L1 |
| OM31196 | HSK63A UPMC 20 | 20 | 54 | 105 | 70 |
| OM31197 | HSK63A UPMC 32 | 32 | 72 | 130 | 100 |



MANDRINS PORTE-FRAISES HSK63A

- HSK63A (DIN 69893)
- Pour serrage d'outils avec queue cylindrique et méplat Weldon
- Equilibré G6.3 @ 20,000 RPM

| Code Article | Description | Diamètre de serrage (mm) | Long de jauge (mm) |
|--------------|-------------|--------------------------|--------------------|
| OM30751 | HSK63A W 06 | 6mm | 65 |
| OM30753 | | | 100 |
| OM30755 | | | 160 |
| OM30752 | HSK63A W 08 | 8mm | 65 |
| OM30754 | | | 100 |
| OM30756 | | | 160 |
| OM31506 | HSK63A W10 | 10mm | 65 |
| OM31991 | | | 100 |
| OM30377 | | | 160 |
| OM31507 | HSK63A W 12 | 12mm | 80 |
| OM31992 | | | 100 |
| OM30378 | | | 160 |
| OM31508 | HSK63A W 16 | 16mm | 80 |
| OM31993 | | | 100 |
| OM30379 | | | 160 |
| OM31509 | HSK63A W 20 | 20mm | 80 |
| OM31994 | | | 100 |
| OM30380 | | | 160 |
| OM31510 | HSK63A W 25 | 25mm | 110 |
| OM30381 | | | 160 |
| OM31995 | HSK63A W32 | 32mm | 110 |
| OM30382 | | | 160 |
| OM30365 | HSK63A W 40 | 40mm | 125 |
| OM30383 | | | 160 |



HSK63A

MANDRIN PORTE FRAISE À TROU HSK63A

- HSK63A (DIN 69893)
- Pour Monter des Fraises à Surfacer
- Equilibré G2.5 @ 25,000 RPM

| Code Article | Description | Ø Tenon | Long de jauge (mm) |
|--------------|---------------|---------|--------------------|
| OM31511 | HSK63A FMB 16 | 16mm | 50 |
| OM30384 | | | 100 |
| OM30385 | | | 160 |
| OM31512 | HSK63A FMB 22 | 22mm | 50 |
| OM30386 | | | 100 |
| OM30387 | | | 160 |
| OM31513 | HSK63A FMB 27 | 27mm | 60 |
| OM30388 | | | 100 |
| OM30389 | | | 160 |
| OM31514 | HSK63A FMB 32 | 32mm | 60 |
| OM30390 | | | 100 |
| OM30391 | | | 160 |
| OM30392 | HSK63A FMB 40 | 40mm | 60 |
| OM30393 | | | 100 |
| OM30394 | | | 160 |



MANDRIN PORTE FRAISE À TROU AVEC TROU DE LUBRIFICATION HSK63A (DIN 69893)

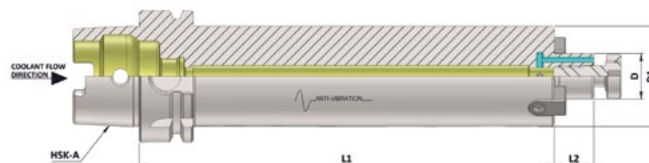
- Pour Monter des Fraises à Surfacer
- Avec lubrification frontale
- Equilibré G2.5 @ 25,000 RPM

| Code Article | Description | Ø Tenon | Long de jauge (mm) |
|--------------|---------------|---------|--------------------|
| OM34482 | HSK63A FMB 16 | 16mm | 45 |
| OM34483 | | | 100 |
| OM34484 | | | 160 |
| OM34485 | HSK63A FMB 22 | 22mm | 50 |
| OM34486 | | | 100 |
| OM34487 | | | 160 |
| OM34488 | HSK63A FMB 27 | 27mm | 55 |
| OM34489 | | | 100 |
| OM34490 | | | 160 |
| OM34491 | HSK63A FMB 32 | 32mm | 60 |
| OM34492 | | | 100 |
| OM34493 | | | 160 |



MANDRIN POUR FRAISE À TROU LISSE ANTI VIBRATOIRE HSK63A

- HSK63A (DIN 69893)
- Pour Monter des Fraises à Surfacer
- Avec lubrification frontale



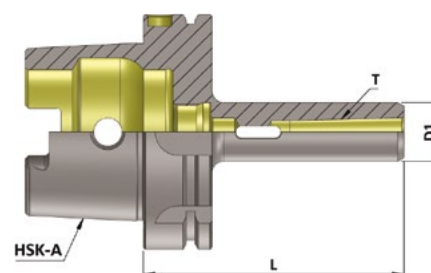
| Code Article | Description | Ø Tenon (D) | D1 | Long de jauge (L1) | L2 |
|--------------|------------------|-------------|----|--------------------|----|
| OM33780 | HSK63A FMB AV 16 | 16mm | 38 | 200 | 17 |
| OM36481 | | | | 250 | |
| OM33781 | | | | 300 | |
| OM33782 | HSK63A FMB AV 22 | 22mm | 48 | 200 | 19 |
| OM36482 | | | | 250 | |
| OM33783 | | | | 300 | |
| OM33784 | HSK63A FMB AV 27 | 27mm | 58 | 200 | 21 |
| OM36483 | | | | 250 | |
| OM36484 | | | | 300 | |



HSK63A

MANDRIN POUR CONE MORSE HSK63A

- HSK63A (DIN 69893)
- Pour Outils avec Queue Cone Morse
- G2.5 @ 20,000 Tr

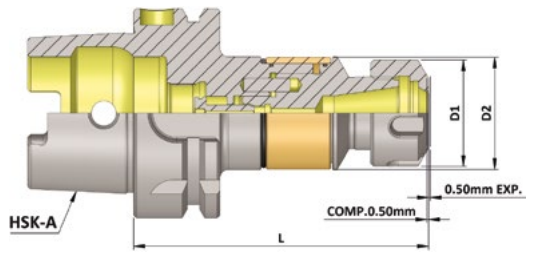


| Code Article | Description | D1 | L |
|--------------|--------------|----|-----|
| OM33495 | HSK63A MTA 1 | 25 | 100 |
| OM33496 | HSK63A MTA 2 | 32 | 115 |
| OM33497 | HSK63A MTA 3 | 40 | 135 |
| OM33498 | HSK63A MTA 4 | 48 | 160 |



MANDRIN DE TARAUDAGE POUR BROCHE SYNCHRONE HSK63A

- HSK63A (DIN69893)
- Mandrin de Taraudage Compensation long Mini
- +/-0.5mm Compression & Expansion
- La Concentricité élevée Permet un Taraudage à grande Vitesse
- Recommandé pour utilisation avec des pinces type QCTC
- Pinces QCTC - Page 150
- Pièces détachées – Page 178

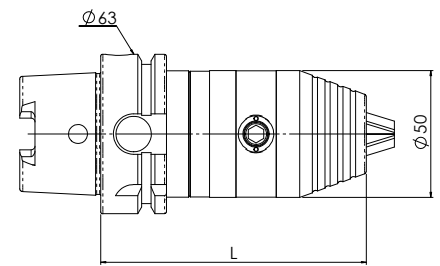


| Code Article | Description | Capacité | Plage de Serrage (mm) | Ecroû | Dimensions (mm) | | | | |
|--------------|-----------------|----------|-----------------------|-------|-----------------|----|-------|-------|------|
| | | | | | D1 | D2 | L | Comp. | Exp. |
| OM32472 | HSK63A ER16 MLC | M3-M12 | 1-10 | ER16 | 32 | 34 | 89 | 0.5 | 0.5 |
| OM32473 | HSK63A ER20 MLC | M3-M16 | 3.5-10 | ER20 | 35 | 34 | 90 | 0.5 | 0.5 |
| OM32474 | HSK63A ER25 MLC | M3-M20 | 3.5-16 | ER25 | 42 | 34 | 94 | 0.5 | 0.5 |
| OM32475 | HSK63A ER32 MLC | M4-M27 | 3.5-20 | ER32 | 50 | 45 | 105 | 0.5 | 0.5 |
| OM32476 | HSK63A ER40 MLC | M6-M33 | 6-26 | ER40 | 63 | 62 | 133.5 | 0.5 | 0.5 |

HSK63A

MANDRINS DE PERÇAGE AVEC CLÉ HEXAGONALE HSK63A

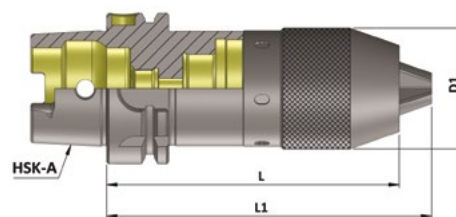
- Mandrin de perçage standard
- Forte force de serrage dans le sens des aiguille d'une montre et dans le sens opposé
- Haute résistance à l'usure avec les mors en Titane
- Clé Hexagonale de rechange Page 181



| Code Article | Description | Capacité | L |
|--------------|-------------------|----------|-----|
| OM33666 | HSK63A GHK 13-105 | 0.3-13 | 105 |
| OM33667 | HSK63A GHK 16-110 | 1.5-16 | 110 |

MANDRINS DE PERÇAGE NCDC HSK63A

- HSK63A (DIN 69893)
- Mandrin de Perçage de haute Précision, accuracy <0.05mm
- Clé de serrage NCDC Page 181



| Code Article | Description | Dimensions (mm) | | | |
|--------------|--------------------|-----------------|----|-------|-----|
| | | Capacité | D1 | L | L1 |
| OM33657 | HSK63A NCDC 1-13mm | 1-13mm | 50 | 122.5 | 135 |

MANDRIN DE CONTROLE HSK63A

- HSK63A (DIN 69893)
- Mandrin de contrôle

| Code Article | Description | Diamètre (mm) | Long de jauge (mm) |
|--------------|----------------------------|---------------|--------------------|
| OM33747 | HSK63A Mandrin de contrôle | 40 | 300 |



BARRES D'ALÉSAGE D'ÉBAUCHES HSK63A

- HSK63A (DIN 69893)
- Pour fabrication d'outils spéciaux

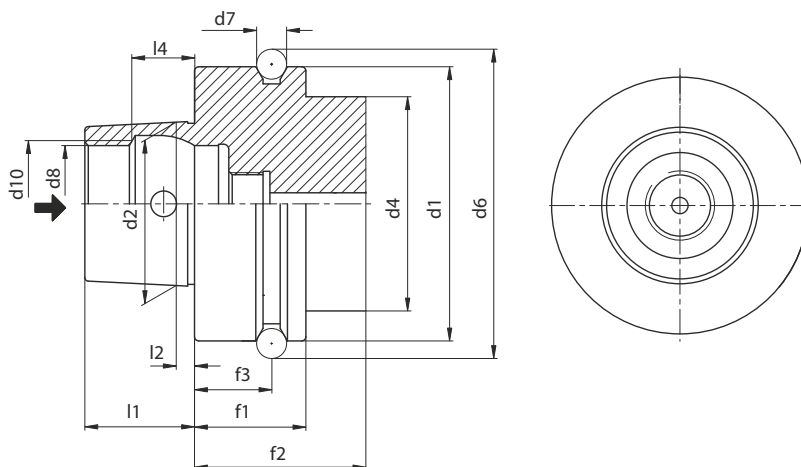
| Code Article | Description | Diamètre (mm) | Long de jauge (mm) |
|--------------|-----------------------|---------------|--------------------|
| OM34683 | HSK63A EBAUCHE 63 250 | 63 | 250 |
| OM34684 | HSK63A EBAUCHE 80 250 | 80 | 250 |



HSK63F

HSK63F (DIN69893F) CARACTERISTIQUES TECHNIQUES

| | HSK 50 | HSK 63 |
|-----|--------|--------|
| d1 | 50 | 63 |
| d2 | 30 | 38 |
| d4 | 42 | 53 |
| d6 | 59.3 | 72.3 |
| d7 | 7 | 7 |
| d8 | 21 | 26 |
| d10 | 23 | 29 |
| f1 | 26 | 26 |
| f2 | 42 | 42 |
| f3 | 18 | 18 |
| l1 | 20 | 25 |
| l2 | 4 | 5 |
| l4 | 11.42 | 14.13 |



MANDRINS À PINCES ER HSK63F

- HSK63F (DIN 69893F)
- Mandrins à Pincés avec Ecou Standard
- Pincés ER – Page 118
- Pièces détachées – Page 178

| Code Article | Description | Long de jauge (mm) | Ecou | Equilibrage |
|--------------|-------------|--------------------|--------------------------------|-------------------|
| OM31974 | HSK63F ER16 | 60 | ER16 écrou hexagonal (OM31426) | G2.5 @ 25,000 RPM |
| OM31515 | | 100 | | G2.5 @ 25,000 RPM |
| OM31516 | | 160 | | G2.5 @ 25,000 RPM |
| OM31975 | HSK63F ER25 | 75 | ER25 écrou standard (OM31421) | G2.5 @ 25,000 RPM |
| OM31519 | | 100 | | G2.5 @ 25,000 RPM |
| OM31520 | | 160 | | G2.5 @ 25,000 RPM |
| OM31976 | HSK63F ER32 | 75 | ER32 écrou standard (OM31422) | G2.5 @ 25,000 RPM |
| OM31521 | | 100 | | G2.5 @ 25,000 RPM |
| OM31522 | | 160 | | G2.5 @ 25,000 RPM |



HSK63F

MANDRIN PORTE FRAISE À TROU AVEC TROU DE LUBRIFICATION HSK63F

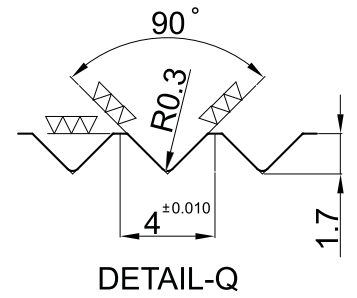
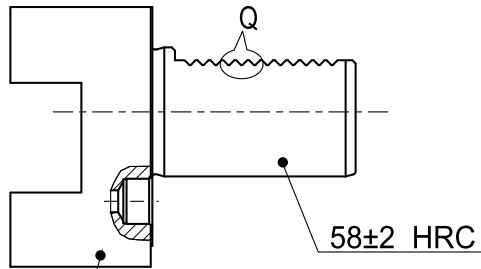
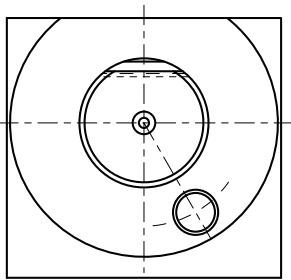
- HSK63F (DIN 69893F)
- Pour Monter des Fraises à Surfacier
- Avec lubrification frontale
- Equilibré G2.5 @ 25,000 RPM

| Code Article | Description | Ø Tenon | Long de jauge (mm) |
|--------------|----------------|---------|--------------------|
| OM34691 | HSK63F FMB K16 | 16 | 45 |
| OM34692 | HSK63F FMB K22 | 22 | 50 |
| OM34693 | HSK63F FMB K27 | 27 | 55 |



VDI (DIN69880)

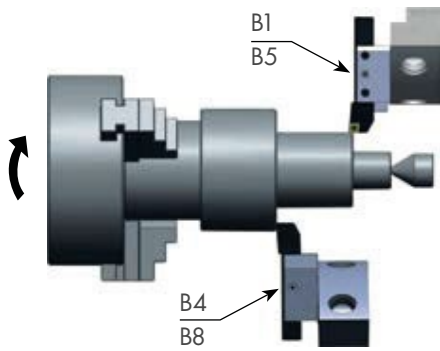
VDI (DIN69880) CARACTERISTIQUES TECHNIQUES



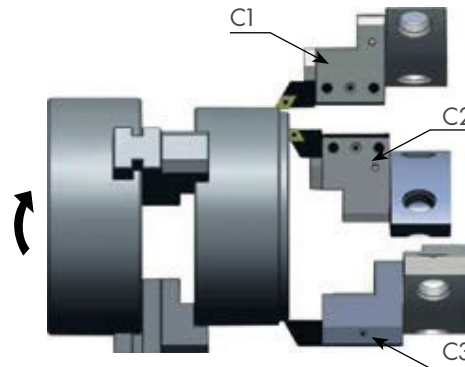
20+2 HRC (ACIER TREMPÉ)
40+2 HRC (EN ACIER CÉMENTÉ)

- Les portes outils VDI sont fabriqués selon la norme standard DIN 69880
- Les portes outils Forme A, B, C, D, E1, E2 & Z sont fabriqués en acier trempé C-45
- Les portes outils E4 & F sont fabriqués en acier cémenté 20MnCr5
- Tous les portes outils standard sont brunis
- Les queues des portes outils sont traités à 58HRC et les dents sont traité dans la masse.

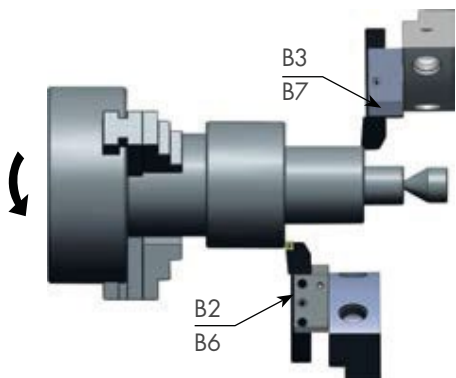
VDI (DIN69880)



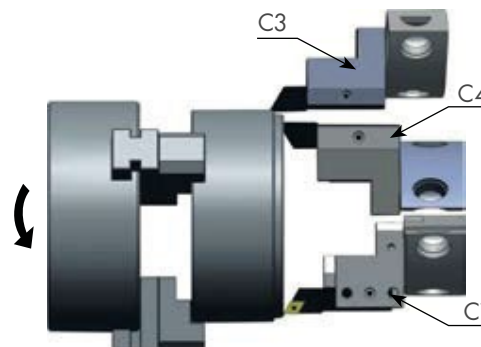
Rotation du mandrin sens horaire
Application chariotage et dressage



Rotation du mandrin sens horaire
Application dressage et alésage



Rotation du mandrin inverse au sens horaire
Application chariotage et dressage

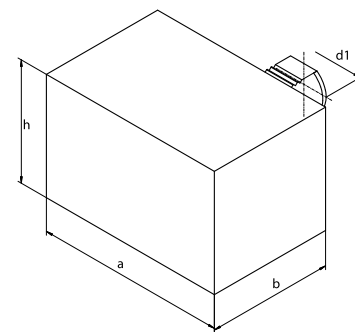


Rotation du mandrin sens horaire
Application dressage et alésage

VDI A1 OUTIL D'ÉBAUCHE

- VDI - DIN 69880 (ISO 10889)
- Forme Rectangulaire

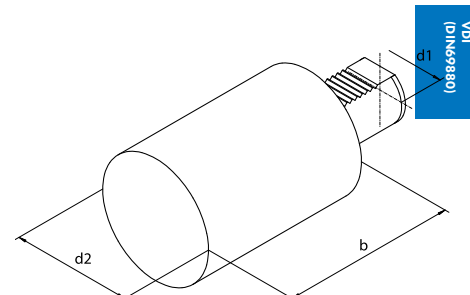
| Code Article | Description | Dimensions (mm) | | | |
|--------------|----------------------------|-----------------|-----|-----|-----|
| | | d1 | a | b | h |
| OM33298 | VDI16 A1 - 44 x 78 x 44 | 16 | 78 | 44 | 44 |
| OM33210 | VDI20 A1 - 65 x 100 x 60 | 20 | 100 | 65 | 60 |
| OM33299 | VDI25 A1 - 75 x 100 x 60 | 25 | 100 | 75 | 60 |
| OM33211 | VDI30 A1 - 85 x 130 x 60 | 30 | 130 | 85 | 60 |
| OM33212 | VDI40 A1 - 100 x 151 x 96 | 40 | 151 | 100 | 96 |
| OM33213 | VDI50 A1 - 125 x 160 x 120 | 50 | 160 | 125 | 120 |
| OM33300 | VDI60 A1 - 160 x 165 x 125 | 60 | 165 | 160 | 125 |



VDI A2 OUTIL D'ÉBAUCHE

- VDI - DIN 69880 (ISO 10889)
- Forme Cylindrique

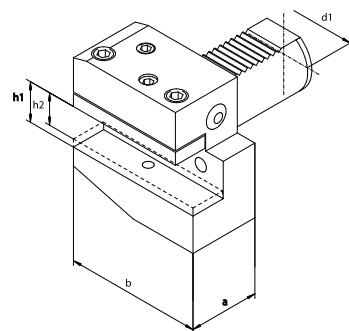
| Code Article | Description | Dimensions (mm) | | |
|--------------|----------------------|-----------------|-----|-----|
| | | d1 | b | d2 |
| OM33301 | VDI16 A2 - 40 x 60 | 16 | 60 | 40 |
| OM33214 | VDI20 A2 - 50 x 70 | 20 | 70 | 50 |
| OM33302 | VDI25 A2 - 58 x 80 | 25 | 80 | 58 |
| OM33215 | VDI30 A2 - 68 x 100 | 30 | 100 | 68 |
| OM33216 | VDI40 A2 - 83 x 120 | 40 | 120 | 83 |
| OM33217 | VDI50 A2 - 98 x 135 | 50 | 135 | 98 |
| OM33303 | VDI60 A2 - 123 x 150 | 60 | 150 | 123 |



VDI B1 OUTIL RADIAL À DROITE, COURT

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33304 | VDI16 B1 - 12 x 24 | 16 | 24 | 42 | 12 | 10 |
| OM33100 | VDI20 B1 - 16 x 30 | 20 | 30 | 55 | 16 | 12 |
| OM33305 | VDI25 B1 - 16 x 30 | 25 | 30 | 55 | 16 | 12 |
| OM33101 | VDI30 B1 - 20 x 40 | 30 | 40 | 70 | 20 | 16 |
| OM33102 | VDI40 B1 - 25 x 44 | 40 | 44 | 85 | 25 | 20 |
| OM33103 | VDI50 B1 - 32 x 55 | 50 | 55 | 100 | 32 | 25 |
| OM33306 | VDI60 B1 - 32 x 60 | 60 | 60 | 125 | 32 | 25 |

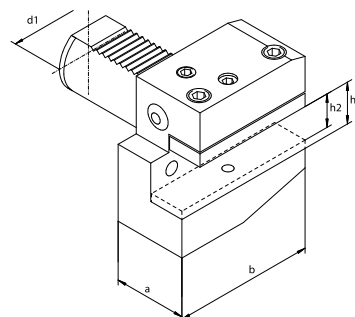


VDI
(DIN 69880)

VDI B2 OUTIL RADIAL À GAUCHE, COURT

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

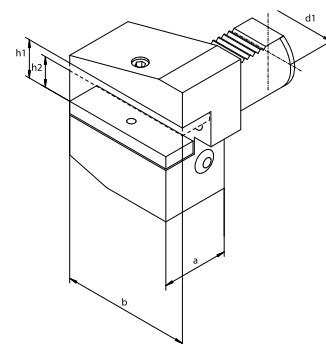
| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33307 | VDI16 B2 - 12 x 24 | 16 | 24 | 42 | 12 | 10 |
| OM33104 | VDI20 B2 - 16 x 30 | 20 | 30 | 55 | 16 | 12 |
| OM33308 | VDI25 B2 - 16 x 30 | 25 | 30 | 55 | 16 | 12 |
| OM33105 | VDI30 B2 - 20 x 40 | 30 | 40 | 70 | 20 | 16 |
| OM33106 | VDI40 B2 - 25 x 44 | 40 | 44 | 85 | 25 | 20 |
| OM33107 | VDI50 B2 - 32 x 55 | 50 | 55 | 100 | 32 | 25 |
| OM33309 | VDI60 B2 - 32 x 60 | 60 | 60 | 125 | 32 | 25 |



VDI B3 OUTIL RADIAL À L'ENVERS À DROITE, COURT

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

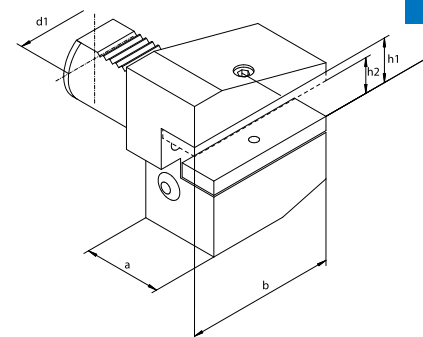
| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33310 | VDI16 B3 - 12 x 24 | 16 | 24 | 42 | 12 | 10 |
| OM33108 | VDI20 B3 - 16 x 30 | 20 | 30 | 55 | 16 | 12 |
| OM33311 | VDI25 B3 - 16 x 30 | 25 | 30 | 55 | 16 | 12 |
| OM33109 | VDI30 B3 - 20 x 40 | 30 | 40 | 70 | 20 | 16 |
| OM33110 | VDI40 B3 - 25 x 44 | 40 | 44 | 85 | 25 | 20 |
| OM33111 | VDI50 B3 - 32 x 55 | 50 | 55 | 100 | 32 | 25 |
| OM33312 | VDI60 B3 - 32 x 60 | 60 | 60 | 125 | 32 | 25 |



VDI B4 OUTIL RADIAL À L'ENVERS À GAUCHE, COURT

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

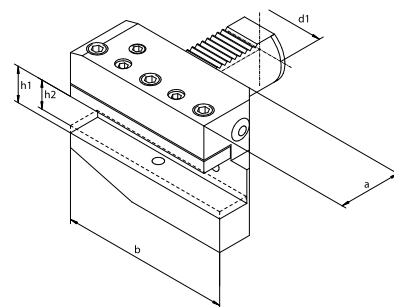
| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33313 | VDI16 B4 - 12 x 24 | 16 | 24 | 42 | 12 | 10 |
| OM33112 | VDI20 B4 - 16 x 30 | 20 | 30 | 55 | 16 | 12 |
| OM33314 | VDI25 B4 - 16 x 30 | 25 | 30 | 55 | 16 | 12 |
| OM33113 | VDI30 B4 - 20 x 40 | 30 | 40 | 70 | 20 | 16 |
| OM33114 | VDI40 B4 - 25 x 44 | 40 | 44 | 85 | 25 | 20 |
| OM33115 | VDI50 B4 - 32 x 55 | 50 | 55 | 100 | 32 | 25 |
| OM33315 | VDI60 B4 - 32 x 60 | 60 | 60 | 125 | 32 | 25 |



VDI B5 OUTIL RADIAL À DROITE, LONG

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33316 | VDI16 B5 - 12 x 24 | 16 | 24 | 58 | 12 | 10 |
| OM33316 | VDI20 B5 - 16 x 30 | 20 | 30 | 75 | 16 | 12 |
| OM33317 | VDI25 B5 - 16 x 30 | 25 | 30 | 75 | 16 | 12 |
| OM33317 | VDI30 B5 - 20 x 40 | 30 | 40 | 100 | 20 | 16 |
| OM33318 | VDI40 B5 - 25 x 44 | 40 | 44 | 118 | 25 | 20 |
| OM33319 | VDI50 B5 - 32 x 55 | 50 | 55 | 130 | 32 | 25 |
| OM33318 | VDI60 B5 - 32 x 60 | 60 | 60 | 145 | 32 | 25 |

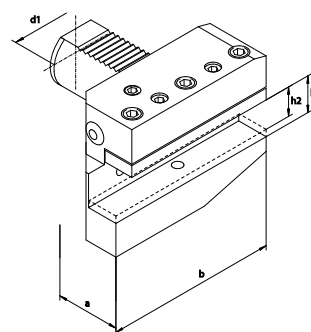


VDI
(08869880)

VDI B6 OUTIL RADIAL À GAUCHE, LONG

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33319 | VDI16 B6 - 12 x 24 | 16 | 24 | 58 | 12 | 10 |
| OM33320 | VDI20 B6 - 16 x 30 | 20 | 30 | 75 | 16 | 12 |
| OM33320 | VDI25 B6 - 16 x 30 | 25 | 30 | 75 | 16 | 12 |
| OM33321 | VDI30 B6 - 20 x 40 | 30 | 40 | 100 | 20 | 16 |
| OM33322 | VDI40 B6 - 25 x 44 | 40 | 44 | 118 | 25 | 20 |
| OM33323 | VDI50 B6 - 32 x 55 | 50 | 55 | 130 | 32 | 25 |
| OM33321 | VDI60 B6 - 32 x 60 | 60 | 60 | 145 | 32 | 25 |

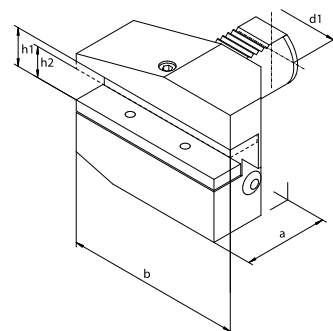


VDI B7

OUTIL RADIAL À L'ENVERS À DROITE, LONG

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33322 | VDI16 B7 - 12 x 24 | 16 | 24 | 58 | 12 | 10 |
| OM33124 | VDI20 B7 - 16 x 30 | 20 | 30 | 75 | 16 | 12 |
| OM33323 | VDI25 B7 - 16 x 30 | 25 | 30 | 75 | 16 | 12 |
| OM33125 | VDI30 B7 - 20 x 40 | 30 | 40 | 100 | 20 | 16 |
| OM33126 | VDI40 B7 - 25 x 44 | 40 | 44 | 118 | 25 | 20 |
| OM33127 | VDI50 B7 - 32 x 55 | 50 | 55 | 130 | 32 | 25 |
| OM33324 | VDI60 B7 - 32 x 60 | 60 | 60 | 145 | 32 | 25 |

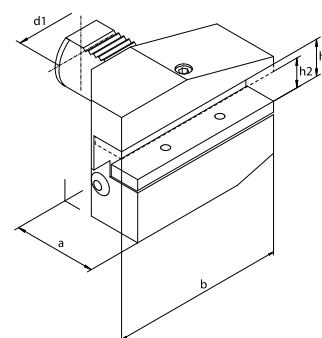


VDI B8

OUTIL RADIAL À L'ENVERS À GAUCHE, LONG

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------------|-----------------|----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33325 | VDI16 B8 - 12 x 24 | 16 | 24 | 58 | 12 | 10 |
| OM33128 | VDI20 B8 - 16 x 30 | 20 | 30 | 75 | 16 | 12 |
| OM33326 | VDI25 B8 - 16 x 30 | 25 | 30 | 75 | 16 | 12 |
| OM33129 | VDI30 B8 - 20 x 40 | 30 | 40 | 100 | 20 | 16 |
| OM33130 | VDI40 B8 - 25 x 44 | 40 | 44 | 118 | 25 | 20 |
| OM33131 | VDI50 B8 - 32 x 55 | 50 | 55 | 130 | 32 | 25 |
| OM33327 | VDI60 B8 - 32 x 60 | 60 | 60 | 145 | 32 | 25 |

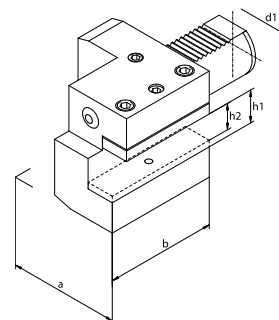


VDI
(DIN 69880)

VDI C1 OUTIL AXIAL À DROITE

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|---------------------|-----------------|-----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33328 | VDI16 C1 - 12 x 44 | 16 | 43 | 44 | 12 | 10 |
| OM33132 | VDI20 C1 - 16 x 55 | 20 | 52 | 55 | 16 | 12 |
| OM33329 | VDI25 C1 - 16 x 55 | 25 | 58 | 55 | 16 | 12 |
| OM33133 | VDI30 C1 - 20 x 70 | 30 | 70 | 70 | 20 | 16 |
| OM33134 | VDI40 C1 - 25 x 85 | 40 | 85 | 85 | 25 | 20 |
| OM33135 | VDI50 C1 - 32 x 100 | 50 | 100 | 100 | 32 | 25 |
| OM33330 | VDI60 C1 - 32 x 125 | 60 | 125 | 125 | 32 | 25 |

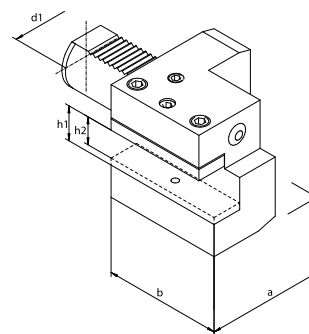


VDI
(DIN 69880)

VDI C2 OUTIL AXIAL À GAUCHE

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

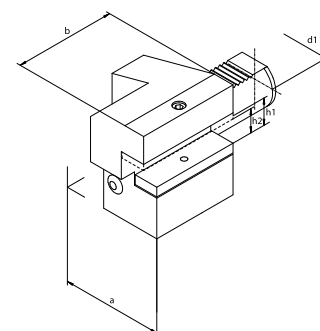
| Code Article | Description | Dimensions (mm) | | | | |
|--------------|---------------------|-----------------|-----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33331 | VDI16 C2 - 12 x 44 | 16 | 43 | 44 | 12 | 10 |
| OM33136 | VDI20 C2 - 16 x 55 | 20 | 57 | 55 | 16 | 12 |
| OM33332 | VDI25 C2 - 16 x 55 | 25 | 58 | 55 | 16 | 12 |
| OM33137 | VDI30 C2 - 20 x 70 | 30 | 76 | 70 | 20 | 16 |
| OM33138 | VDI40 C2 - 25 x 85 | 40 | 90 | 85 | 25 | 20 |
| OM33139 | VDI50 C2 - 32 x 100 | 50 | 105 | 100 | 32 | 25 |
| OM33333 | VDI60 C2 - 32 x 125 | 60 | 125 | 125 | 32 | 25 |



VDI C3 OUTIL AXIAL À L'ENVERS À DROITE

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|---------------------|-----------------|-----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33334 | VDI16 C3 - 12 x 44 | 16 | 43 | 44 | 12 | 10 |
| OM33140 | VDI20 C3 - 16 x 55 | 20 | 52 | 55 | 16 | 12 |
| OM33335 | VDI25 C3 - 16 x 55 | 25 | 58 | 55 | 16 | 12 |
| OM33141 | VDI30 C3 - 20 x 70 | 30 | 70 | 70 | 20 | 16 |
| OM33142 | VDI40 C3 - 25 x 85 | 40 | 85 | 85 | 25 | 20 |
| OM33143 | VDI50 C3 - 32 x 100 | 50 | 100 | 100 | 32 | 25 |
| OM33336 | VDI60 C3 - 32 x 125 | 60 | 125 | 125 | 32 | 25 |

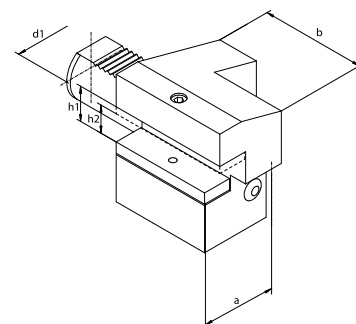


VDI
(DIN 69880)

VDI C4 OUTIL AXIAL À L'ENVERS À GAUCHE

- VDI - DIN 69880 (ISO 10889)
- Pour outils queue carrée

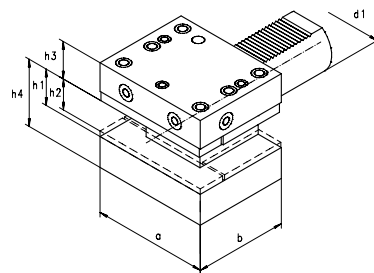
| Code Article | Description | Dimensions (mm) | | | | |
|--------------|---------------------|-----------------|-----|-----|----|----|
| | | d1 | a | b | h1 | h2 |
| OM33337 | VDI16 C4 - 12 x 44 | 16 | 43 | 44 | 12 | 10 |
| OM33144 | VDI20 C4 - 16 x 55 | 20 | 57 | 55 | 16 | 12 |
| OM33338 | VDI25 C4 - 16 x 55 | 25 | 58 | 55 | 16 | 12 |
| OM33145 | VDI30 C4 - 20 x 70 | 30 | 76 | 70 | 20 | 16 |
| OM33146 | VDI40 C4 - 25 x 85 | 40 | 90 | 85 | 25 | 20 |
| OM33147 | VDI50 C4 - 32 x 100 | 50 | 105 | 100 | 32 | 25 |
| OM33339 | VDI60 C4 - 32 x 125 | 60 | 125 | 125 | 32 | 25 |



VDI D1 OUTIL EXTER AXIAL ET RADIAL

- VDI - DIN 69880 (ISO 10889)

| Code Article | Description | Dimensions (mm) | | | | | | |
|--------------|---------------------|-----------------|-----|-----|----|----|------|------|
| | | d1 | a | b | h1 | h2 | h3 | h4 |
| OM33340 | VDI25 D1 - 16 x 48 | 25 | 66 | 48 | 16 | 12 | 25 | 30 |
| OM33240 | VDI30 D1 - 20 x 60 | 30 | 76 | 60 | 20 | 16 | 28 | 38 |
| OM33241 | VDI40 D1 - 25 x 72 | 40 | 90 | 72 | 25 | 20 | 32.5 | 48 |
| OM33242 | VDI50 D1 - 32 x 85 | 50 | 105 | 85 | 32 | 25 | 35 | 60 |
| OM33341 | VDI60 D1 - 32 x 110 | 60 | 115 | 110 | 32 | 25 | 42.5 | 62.5 |

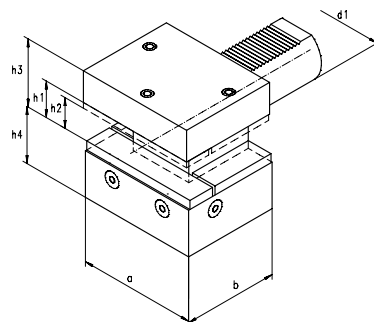


VDI
(DIN 69880)

VDI D2 OUTIL EXTER AXIAL ET RADIAL À L'ENVERS

- VDI - DIN 69880 (ISO 10889)

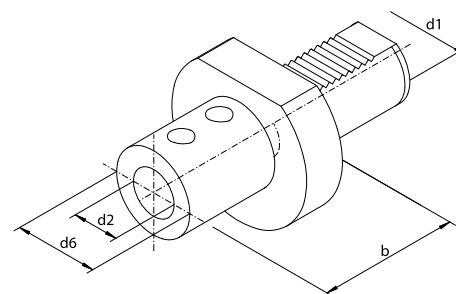
| Code Article | Description | Dimensions (mm) | | | | | | |
|--------------|---------------------|-----------------|-----|-----|----|----|------|------|
| | | d1 | a | b | h1 | h2 | h3 | h4 |
| OM33342 | VDI25 D2 - 16 x 48 | 25 | 66 | 48 | 16 | 12 | 30 | 25 |
| OM33243 | VDI30 D2 - 20 x 60 | 30 | 76 | 60 | 20 | 16 | 38 | 35 |
| OM33244 | VDI40 D2 - 25 x 72 | 40 | 90 | 72 | 25 | 20 | 48 | 42.5 |
| OM33245 | VDI50 D2 - 32 x 85 | 50 | 105 | 85 | 32 | 25 | 60 | 50 |
| OM33343 | VDI60 D2 - 32 x 110 | 60 | 115 | 110 | 32 | 25 | 62.5 | 62.5 |



VDI E1

OUTIL INDEXABLE POUR FORETS

- VDI - DIN 69880 (ISO 10889)
- Pour monter des forets Indexables

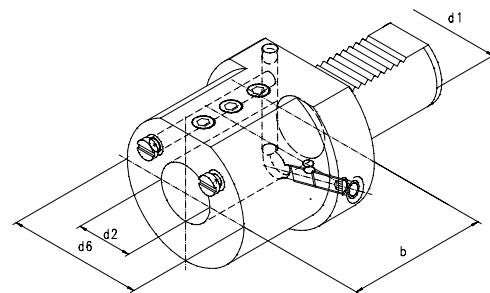


| Code Article | Description | Dimensions (mm) | | | |
|--------------|-------------|-----------------|----|----|-----|
| | | d1 | d2 | d6 | b |
| OM33148 | VDI20 E1 | 20 | 20 | 40 | 67 |
| OM33149 | | | 25 | 45 | 71 |
| OM33344 | VDI25 E1 | 25 | 20 | 40 | 67 |
| OM33345 | | | 25 | 45 | 71 |
| OM33150 | VDI30 E1 | 30 | 20 | 40 | 67 |
| OM33151 | | | 25 | 45 | 71 |
| OM33152 | | | 32 | 52 | 75 |
| OM33153 | VDI40 E1 | 40 | 20 | 40 | 67 |
| OM33154 | | | 25 | 45 | 75 |
| OM33155 | | | 32 | 52 | 75 |
| OM33156 | | | 40 | 65 | 90 |
| OM33157 | VDI50 E1 | 50 | 20 | 40 | 67 |
| OM33158 | | | 25 | 45 | 80 |
| OM33159 | | | 32 | 52 | 80 |
| OM33160 | | | 40 | 65 | 90 |
| OM33161 | | | 50 | 75 | 100 |
| OM33346 | VDI60 E1 | 60 | 20 | 40 | 80 |
| OM33347 | | | 25 | 45 | 80 |
| OM33348 | | | 32 | 52 | 80 |
| OM33349 | | | 40 | 65 | 90 |
| OM33350 | | | 50 | 75 | 100 |

VDI
(DIN69880)

VDI E2 OUTIL POUR BARRE D'ALÉSAGE

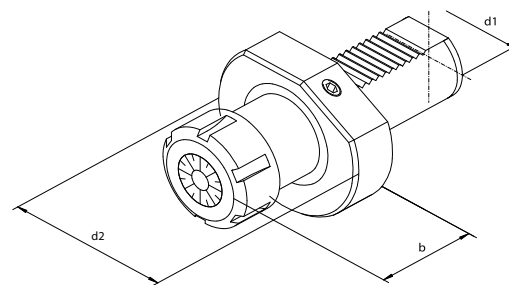
- VDI - DIN 69880 (ISO 10889)
- Pour monter des barres d'alésage



| Code Article | Description | Dimensions (mm) | | | |
|--------------|-------------|-----------------|----|----|-----|
| | | d1 | d2 | d6 | b |
| OM33351 | VDI16 E2 | 16 | 6 | 40 | 44 |
| OM33352 | | | 8 | 40 | 44 |
| OM33353 | | | 10 | 40 | 44 |
| OM33354 | | | 12 | 40 | 44 |
| OM33355 | | | 16 | 40 | 44 |
| OM33162 | VDI20 E2 | 20 | 8 | 40 | 50 |
| OM33163 | | | 10 | 40 | 50 |
| OM33164 | | | 12 | 40 | 50 |
| OM33165 | | | 16 | 40 | 50 |
| OM33166 | | | 20 | 50 | 50 |
| OM33167 | 25 | 50 | 60 | | |
| OM33356 | VDI25 E2 | 25 | 8 | 40 | 50 |
| OM33357 | | | 10 | 40 | 50 |
| OM33358 | | | 12 | 40 | 50 |
| OM33359 | | | 16 | 40 | 50 |
| OM33360 | | | 20 | 58 | 50 |
| OM33361 | 25 | 58 | 60 | | |
| OM33168 | VDI30 E2 | 30 | 8 | 55 | 60 |
| OM33169 | | | 10 | 55 | 60 |
| OM33170 | | | 12 | 55 | 60 |
| OM33171 | | | 16 | 55 | 60 |
| OM33172 | | | 20 | 55 | 60 |
| OM33173 | | | 25 | 55 | 60 |
| OM33174 | | | 32 | 68 | 75 |
| OM33175 | VDI40 E2 | 40 | 8 | 55 | 75 |
| OM33176 | | | 10 | 55 | 75 |
| OM33177 | | | 12 | 55 | 75 |
| OM33178 | | | 16 | 55 | 75 |
| OM33179 | | | 20 | 55 | 75 |
| OM33180 | | | 25 | 55 | 75 |
| OM33181 | | | 32 | 83 | 75 |
| OM33182 | 40 | 83 | 90 | | |
| OM33183 | VDI50 E2 | 50 | 12 | 68 | 90 |
| OM33184 | | | 16 | 68 | 90 |
| OM33185 | | | 20 | 68 | 90 |
| OM33186 | | | 25 | 68 | 90 |
| OM33187 | | | 32 | 68 | 90 |
| OM33188 | | | 40 | 98 | 90 |
| OM33189 | | | 50 | 98 | 100 |
| OM33362 | VDI60 E2 | 60 | 16 | 68 | 90 |
| OM33363 | | | 20 | 68 | 90 |
| OM33364 | | | 25 | 68 | 90 |
| OM33365 | | | 32 | 68 | 90 |
| OM33366 | | | 40 | 98 | 90 |
| OM33367 | | | 50 | 98 | 100 |

VDI E4 MANDRIN À PINCES ER

- VDI - DIN 69880 (ISO 10889)
- Pincas ER Standard

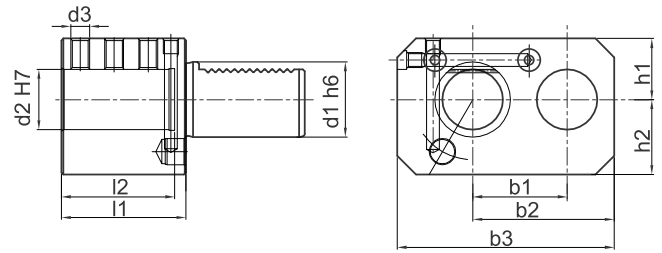


| Code Article | Description | Taille des Pincas | Dimensions (mm) | | |
|--------------|-------------|-------------------|-----------------|-----|------|
| | | | d1 | d2 | b |
| OM33368 | VDI16 E4 | ER16 | 16 | 40 | 34.5 |
| OM33369 | | ER20 | | 40 | 44 |
| OM33429 | VDI20 E4 | ER16 | 20 | 50 | 44 |
| OM33190 | | ER25 | | 50 | 44 |
| OM33191 | | ER32 | | 50 | 50 |
| OM33370 | VDI25 E4 | ER20 | 25 | 58 | 44 |
| OM33371 | | ER25 | | 58 | 57 |
| OM33372 | | ER32 | | 58 | 62 |
| OM33192 | VDI30 E4 | ER25 | 30 | 68 | 57 |
| OM33193 | | ER32 | | 68 | 62.5 |
| OM33194 | | ER40 | | 68 | 70 |
| OM33430 | VDI40 E4 | ER25 | 40 | 83 | 62 |
| OM33195 | | ER32 | | 83 | 62 |
| OM33196 | | ER40 | | 83 | 75 |
| OM33431 | VDI50 E4 | ER32 | 50 | 98 | 75 |
| OM33197 | | ER40 | | 98 | 75 |
| OM33373 | VDI60 E4 | ER32 | 60 | 123 | 75 |
| OM33374 | | ER40 | | 123 | 75 |

VDI
(DIN 69880)

VDI E7 OUTIL À DROITE POUR DEUX BARRES D'ALÉSAGE

- VDI - DIN 69880 (ISO 10889)

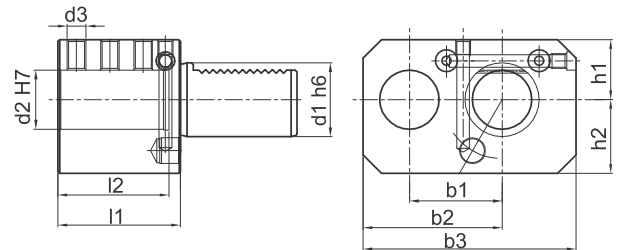


| Code Article | Description | Dimensions (mm) | | | | | | | | | |
|--------------|-------------|-----------------|----|------|------|-----|-----|----|-----|-----|-----|
| | | d1 | d2 | h1 | h2 | l1 | l2 | b1 | b2 | b3 | d3 |
| OM33218 | VDI20 E7 | 20 | 16 | 25 | 25 | 45 | 42 | 32 | 51 | 76 | M8 |
| OM33219 | | | 20 | 25 | 25 | 45 | 42 | 32 | 51 | 76 | M8 |
| OM33220 | VDI30 E7 | 30 | 25 | 28 | 32 | 56 | 52 | 45 | 65 | 95 | M8 |
| OM33221 | | | 32 | 28 | 32 | 66 | 60 | 50 | 75 | 110 | M8 |
| OM33222 | VDI40 E7 | 40 | 32 | 32.5 | 40 | 66 | 60 | 50 | 75 | 115 | M10 |
| OM33223 | | | 40 | 32.5 | 40 | 90 | 80 | 50 | 75 | 115 | M10 |
| OM33224 | VDI50 E7 | 50 | 32 | 32.5 | 47.5 | 66 | 60 | 50 | 75 | 115 | M12 |
| OM33225 | | | 40 | 32.5 | 47.5 | 90 | 80 | 50 | 75 | 115 | M12 |
| OM33226 | | | 50 | 35 | 49 | 115 | 100 | 68 | 103 | 154 | M12 |

VDI (08869N1G)

VDI E8 OUTIL À GAUCHE POUR DEUX BARRES D'ALÉSAGE

- VDI - DIN 69880 (ISO 10889)

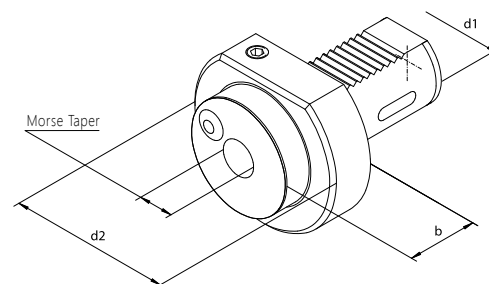


| Code Article | Description | Dimensions (mm) | | | | | | | | | |
|--------------|-------------|-----------------|----|------|------|-----|-----|----|-----|-----|-----|
| | | d1 | d2 | h1 | h2 | l1 | l2 | b1 | b2 | b3 | d3 |
| OM33227 | VDI20 E8 | 20 | 16 | 25 | 25 | 45 | 42 | 32 | 51 | 76 | M8 |
| OM33228 | | | 20 | 25 | 25 | 45 | 42 | 32 | 51 | 76 | M8 |
| OM33229 | VDI30 E8 | 30 | 25 | 28 | 32 | 56 | 52 | 50 | 65 | 95 | M8 |
| OM33230 | | | 32 | 28 | 32 | 66 | 60 | 50 | 75 | 110 | M8 |
| OM33231 | VDI40 E8 | 40 | 32 | 32.5 | 40 | 66 | 60 | 50 | 75 | 115 | M10 |
| OM33232 | | | 40 | 32.5 | 40 | 90 | 80 | 50 | 75 | 115 | M10 |
| OM33233 | VDI50 E8 | 50 | 32 | 32.5 | 47.5 | 66 | 60 | 50 | 75 | 115 | M12 |
| OM33234 | | | 40 | 32.5 | 47.5 | 90 | 80 | 50 | 75 | 115 | M12 |
| OM33235 | | | 50 | 35 | 49 | 115 | 100 | 68 | 103 | 152 | M12 |

VDI F1

PORTE OUTIL POUR QUEUE CONE MORSE

- VDI - DIN 69880 (ISO 10889)
- Pour outils avec queue Cone Morse

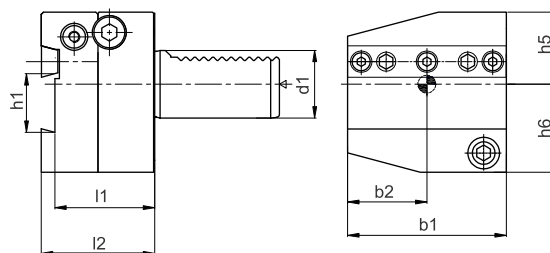


| Code Article | Description | Cone Morse | Dimensions (mm) | | |
|--------------|-------------|------------|-----------------|-----|-----|
| | | | d1 | d2 | b |
| OM33375 | VDI16 F1 | 1 | 16 | 40 | 50 |
| OM33376 | | 2 | | 40 | 87 |
| OM33198 | VDI20 F1 | 1 | 20 | 50 | 23 |
| OM33377 | | 2 | | 50 | 61 |
| OM33378 | VDI25 F1 | 1 | 25 | 58 | 23 |
| OM33379 | | 2 | | 58 | 27 |
| OM33199 | VDI30 F1 | 1 | 30 | 68 | 27 |
| OM33200 | | 2 | | 68 | 27 |
| OM33380 | | 3 | | 68 | 73 |
| OM33381 | VDI40 F1 | 1 | 40 | 83 | 36 |
| OM33201 | | 2 | | 83 | 36 |
| OM33202 | | 3 | | 83 | 36 |
| OM33203 | | 4 | | 83 | 80 |
| OM33382 | VDI50 F1 | 1 | 50 | 98 | 36 |
| OM33204 | | 2 | | 98 | 36 |
| OM33205 | | 3 | | 98 | 36 |
| OM33206 | | 4 | | 98 | 50 |
| OM33383 | | 5 | | 98 | 169 |
| OM33384 | VDI60 F1 | 2 | 60 | 123 | 36 |
| OM33385 | | 3 | | 123 | 36 |
| OM33386 | | 4 | | 123 | 50 |
| OM33387 | | 5 | | 123 | 63 |

VDI
DIN 69880

VDI AR PORTE LAME À TRONÇONNER

- VDI - DIN 69880 (ISO 10889)
- A Droite



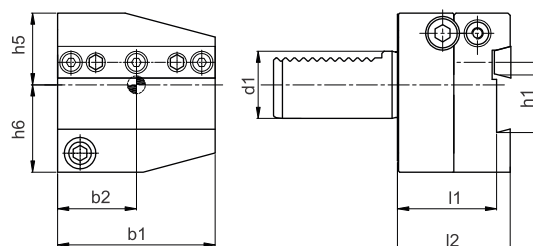
| Code Article | Description | Dimensions (mm) | | | | | | | |
|--------------|------------------|-----------------|-----|------|----|----|------|----|----|
| | | d1 | b1 | b2 | h1 | h5 | h6 | l1 | l2 |
| OM33392 | VDI20 AR 20 x 26 | 20 | 60 | 30 | 26 | 28 | 36 | 44 | 50 |
| OM33393 | VDI25 AR 25 x 26 | 25 | 60 | 30 | 26 | 28 | 36 | 44 | 50 |
| OM33394 | VDI30 AR 30 x 26 | 30 | 70 | 35 | 26 | 32 | 39 | 44 | 50 |
| OM33395 | VDI30 AR 30 x 32 | 30 | 70 | 35 | 32 | 32 | 39 | 44 | 50 |
| OM33396 | VDI40 AR 40 x 26 | 40 | 85 | 42.5 | 26 | 43 | 41.5 | 44 | 50 |
| OM33397 | VDI40 AR 40 x 32 | 40 | 85 | 42.5 | 32 | 43 | 41.5 | 44 | 50 |
| OM33398 | VDI50 AR 50 x 26 | 50 | 100 | 50 | 26 | 43 | 45 | 44 | 50 |
| OM33399 | VDI50 AR 50 x 32 | 50 | 100 | 50 | 32 | 43 | 45 | 44 | 50 |
| OM33400 | VDI60 AR 60 x 32 | 60 | 125 | 62.5 | 32 | 48 | 55 | 44 | 50 |



VDI
(08869810)

VDI AL PORTE LAME À TRONÇONNER

- VDI - DIN 69880 (ISO 10889)
- A Gauche

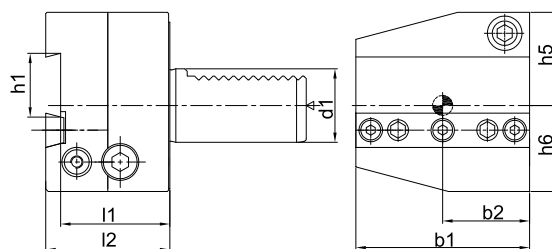


| Code Article | Description | Dimensions (mm) | | | | | | | |
|--------------|------------------|-----------------|-----|------|----|----|------|----|----|
| | | d1 | b1 | b2 | h1 | h5 | h6 | l1 | l2 |
| OM33401 | VDI20 AL 20 x 26 | 20 | 60 | 30 | 26 | 28 | 36 | 44 | 50 |
| OM33402 | VDI25 AL 25 x 26 | 25 | 60 | 30 | 26 | 28 | 36 | 44 | 50 |
| OM33403 | VDI30 AL 30 x 26 | 30 | 70 | 35 | 26 | 32 | 39 | 44 | 50 |
| OM33404 | VDI30 AL 30 x 32 | 30 | 70 | 35 | 32 | 32 | 39 | 44 | 50 |
| OM33405 | VDI40 AL 40 x 26 | 40 | 85 | 42.5 | 26 | 43 | 41.5 | 44 | 50 |
| OM33406 | VDI40 AL 40 x 32 | 40 | 85 | 42.5 | 32 | 43 | 41.5 | 44 | 50 |
| OM33407 | VDI50 AL 50 x 26 | 50 | 100 | 50 | 26 | 43 | 45 | 44 | 50 |
| OM33408 | VDI50 AL 50 x 32 | 50 | 100 | 50 | 32 | 43 | 45 | 44 | 50 |
| OM33409 | VDI60 AL 60 x 32 | 60 | 125 | 62.5 | 32 | 48 | 55 | 44 | 50 |



VDI ARU PORTE LAME À TRONÇONNER

- VDI - DIN 69880 (ISO 10889)
- A Droite à l'envers

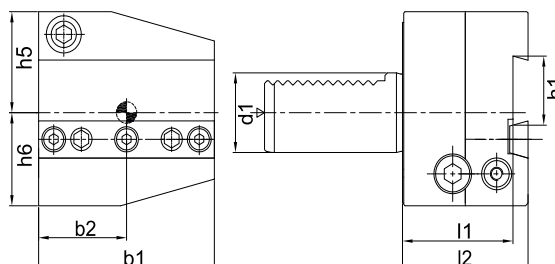


| Code Article | Description | Dimensions (mm) | | | | | | | |
|--------------|-------------------|-----------------|-----|------|----|----|------|----|----|
| | | d1 | b1 | b2 | h1 | h5 | h6 | l1 | l2 |
| OM33410 | VDI20 ARU 20 x 26 | 20 | 50 | 30 | 26 | 36 | 28 | 44 | 50 |
| OM33411 | VDI25 ARU 25 x 26 | 25 | 60 | 30 | 26 | 36 | 28 | 44 | 50 |
| OM33412 | VDI30 ARU 30 x 26 | 30 | 70 | 35 | 26 | 38 | 35 | 44 | 50 |
| OM33413 | VDI30 ARU 30 x 32 | 30 | 70 | 35 | 32 | 38 | 35 | 44 | 50 |
| OM33414 | VDI40 ARU 40 x 26 | 40 | 85 | 42.5 | 26 | 43 | 41.5 | 44 | 50 |
| OM33415 | VDI40 ARU 40 x 32 | 40 | 85 | 42.5 | 32 | 43 | 41.5 | 44 | 50 |
| OM33416 | VDI50 ARU 50 x 26 | 50 | 100 | 50 | 26 | 43 | 45 | 44 | 50 |
| OM33417 | VDI50 ARU 50 x 32 | 50 | 100 | 50 | 32 | 43 | 45 | 44 | 50 |
| OM33418 | VDI60 ARU 60 x 32 | 60 | 125 | 62.5 | 32 | 48 | 55 | 44 | 50 |



VDI ALU PORTE LAME À TRONÇONNER

- VDI - DIN 69880 (ISO 10889)
- A Gauche à l'envers

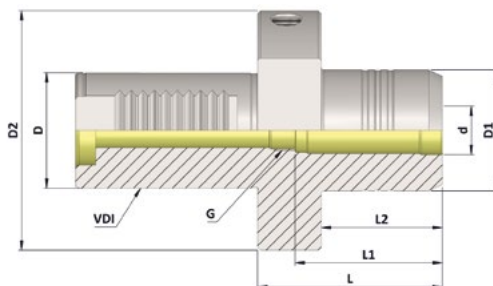


| Code Article | Description | Dimensions (mm) | | | | | | | |
|--------------|-------------------|-----------------|-----|------|----|----|------|----|----|
| | | d1 | b1 | b2 | h1 | h5 | h6 | l1 | l2 |
| OM33419 | VDI20 ALU 20 x 26 | 20 | 50 | 30 | 26 | 36 | 28 | 44 | 50 |
| OM33420 | VDI25 ALU 25 x 26 | 25 | 60 | 30 | 26 | 36 | 28 | 44 | 50 |
| OM33421 | VDI30 ALU 30 x 26 | 30 | 70 | 35 | 26 | 38 | 35 | 44 | 50 |
| OM33422 | VDI30 ALU 30 x 32 | 30 | 70 | 35 | 32 | 38 | 35 | 44 | 50 |
| OM33423 | VDI40 ALU 40 x 26 | 40 | 85 | 42.5 | 26 | 43 | 41.5 | 44 | 50 |
| OM33424 | VDI40 ALU 40 x 32 | 40 | 85 | 42.5 | 32 | 43 | 41.5 | 44 | 50 |
| OM33425 | VDI50 ALU 50 x 26 | 50 | 100 | 50 | 26 | 43 | 45 | 44 | 50 |
| OM33426 | VDI50 ALU 50 x 32 | 50 | 100 | 50 | 32 | 43 | 45 | 44 | 50 |
| OM33427 | VDI60 ALU 60 x 32 | 60 | 125 | 62.5 | 32 | 48 | 55 | 44 | 50 |



VDI HC MANDRIN À EXPANSION HYDRAULIQUE

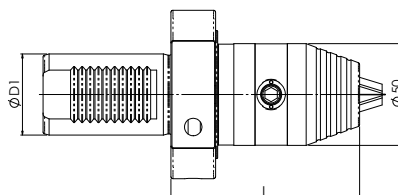
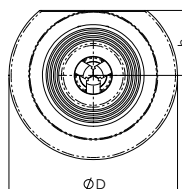
- VDI - DIN 69880 (ISO 10889)
- Mandrins Hydrauliques Ultra Précision
- Haute Précision <0,003mm
- Pièces détachées – Page 180



| Code Article | Description | Dimensions (mm) | | | | | | | | |
|--------------|-------------|-----------------|----|----|----|----|-----|----|----|----|
| | | VDI | d | D | D1 | D2 | G | L | L1 | L2 |
| OM32210 | VDI30 HC20 | 30 | 20 | 30 | 42 | 68 | M16 | 64 | 51 | 42 |
| OM32211 | VDI40 HC20 | 40 | 20 | 40 | 42 | 83 | M20 | 64 | 51 | 42 |
| OM32212 | VDI30 HC32 | 30 | 32 | 30 | 64 | 68 | - | 86 | - | 64 |
| OM32213 | VDI40 HC32 | 40 | 32 | 40 | 64 | 83 | - | 86 | - | 64 |

VDI DC MANDRIN DE PERSAGE AVEC CLÉ HEXAGONALE

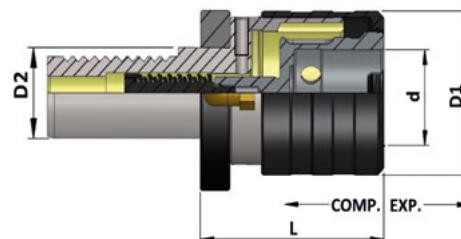
- VDI - DIN 69880 (ISO 10889)
- Mandrin de Perçage standard de haute Précision
- Forte Force de Serrage
- Haute résistance à l'usure avec les mors en Titane
- Clé Hexagonale de rechange - Page 181



| Code Article | Description | Capacity (mm) | Dimensions (mm) | | | |
|--------------|-----------------|---------------|-----------------|----|----|----|
| | | | L | D | h | D1 |
| OM33668 | VDI30 GHK 13 93 | 0.3-13 | 93 | 68 | 28 | 30 |
| OM33669 | VDI40 GHK 13 93 | 0.3-13 | 93 | 83 | 32 | 40 |

VDI QC MANDRIN DE TARAUDAGE À CHANGEMENT RAPIDE

- VDI - DIN 69880 (ISO 10889)
- Compensation Axiale
- Avec Tension et Compression
- Douilles de changement rapide disponible en 3 tailles
- Douilles de changement rapide Page 156

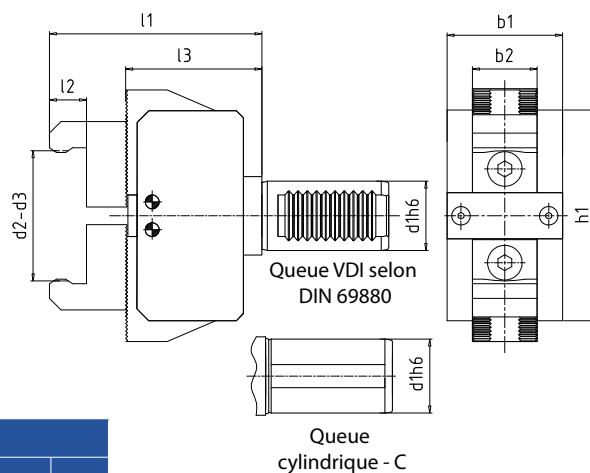


| Code Article | Description | Capacité | Taille | Dimensions (mm) | | | | | |
|--------------|--------------|----------|--------|-----------------|------|----|----|----|----|
| | | | | Comp. | Exp. | d | D1 | D2 | L |
| OM36291 | VDI30 KWFLK1 | M3-M12 | Size 1 | 7.5 | 7.5 | 19 | 36 | 30 | 55 |
| OM36292 | VDI40 KWFLK1 | | | 7.5 | 7.5 | 19 | 36 | 40 | 55 |
| OM36293 | VDI30 KWFLK2 | M8-M20 | Size 2 | 12.5 | 12.5 | 31 | 53 | 30 | 76 |
| OM36294 | VDI40 KWFLK2 | | | 12.5 | 12.5 | 31 | 53 | 40 | 76 |



TIRE BARRE VDI & QUEUE CYLINDRIQUE

- Tire barre avec ressort de tension
- Fourni avec mors court et long
- C = Queue Cylindrique



| Code Article | Description | d1 | Capacité | | Dimensions (mm) | | | | | |
|--------------|-------------|----|------------------|-----------------|-----------------|----|-----|-----|----|----|
| | | | d2-d3 Mors court | d2-d3 Mors long | b1 | b2 | h1 | l1 | l2 | l3 |
| OM34032 | VDI25 BP25 | 25 | 8-60 | 54-110 | 50 | 28 | 72 | 84 | 16 | 51 |
| OM34036 | C25 BP25 | 25 | 8-60 | 54-110 | 50 | 28 | 72 | 84 | 16 | 51 |
| OM34033 | VDI30 BP30 | 30 | 8-60 | 54-110 | 50 | 28 | 72 | 92 | 16 | 59 |
| OM34037 | C32 BP30 | 32 | 8-60 | 54-110 | 50 | 28 | 72 | 92 | 16 | 59 |
| OM34034 | VDI40 BP40 | 40 | 8-66 | 54-110 | 60 | 28 | 110 | 94 | 16 | 61 |
| OM34038 | C40 BP40 | 40 | 8-66 | 54-110 | 60 | 28 | 110 | 94 | 16 | 61 |
| OM34035 | VDI50 BP50 | 50 | 8-75 | 60-125 | 65 | 28 | 130 | 114 | 16 | 81 |
| OM34039 | C50 BP50 | 50 | 8-75 | 60-125 | 65 | 28 | 130 | 114 | 16 | 81 |

Mors de rechange pour tire barre

| Code Article | Description |
|--------------|----------------------------|
| OM34747 | Mors court pour tire barre |
| OM34748 | Mors long pour tire barre |

VDI Z2 BOUCHON MÉTAL & PLASTIQUE

- VDI - DIN 69880 (ISO 10889)

| Code Article | VDI (d1) | Matière |
|--------------|-----------|-----------|
| OM33388 | VDI16 Z2 | Acier |
| OM33246 | VDI20 Z2 | |
| OM33389 | VDI 25 Z2 | |
| OM33247 | VDI30 Z2 | |
| OM33248 | VDI40 Z2 | |
| OM33249 | VDI50 Z2 | |
| OM33390 | VDI60 Z2 | |
| OM33391 | VDI25 Z2 | Plastique |
| OM33250 | VDI30 Z2 | |
| OM33251 | VDI40 Z2 | |
| OM33252 | VDI50 Z2 | |
| | | |



PIÈCES DÉTACHÉES

Plaques de Serrage VDI

| Code Article | Spécification | Combinaisons de plaques de serrage |
|--------------|-----------------|------------------------------------|
| OM32009 | CP16-36x10x4 | VDI16 B1-B4, C1-C4 |
| OM32010 | CP20-47x13x5 | VDI20 B1-B4, C1-C4 |
| OM32011 | CP25-47x13x5 | VDI25 B1-B4, C1-C4 |
| OM32012 | CP30-59x17x8 | VDI30 B1-B4, C1-C4 |
| OM32013 | CP40-71.5x21x8 | VDI40 B1-B4, C1-C4 |
| OM32014 | CP50-83x24x8 | VDI50 B1-B4, C1-C4 |
| OM32015 | CP60-108x29x8 | VDI60 B1-B4, C1-C4 |
| OM32070 | CP16-52x10x4 | VDI16 B5-B8 |
| OM32091 | CP20-67x13x5 | VDI20 B5-B8 |
| OM32092 | CP25-67x13x5 | VDI25 B5-B8 |
| OM32093 | CP30-89x17x8 | VDI30 B5-B8 |
| OM32094 | CP40-104.5x21x8 | VDI40 B5-B8 |
| OM32095 | CP50-113x24x8 | VDI50 B5-B8 |
| OM32096 | CP60-128x29x8 | VDI60 B5-B8 |



Plaques d'assise VDI

| Code Article | Specification | Plaques d'Assises |
|--------------|---------------|-------------------|
| OM32016 | SP20-54x13x4 | VDI20 B1-B4 C1-C4 |
| OM32017 | SP25-54x13x4 | VDI25 B1-B4 C1-C4 |
| OM32028 | SP30-69x17x4 | VDI30 B1-B4 C1-C4 |
| OM32043 | SP40-84x21x5 | VDI40 B1-B4 C1-C4 |
| OM32044 | SP50-99x24x7 | VDI50 B1-B4 C1-C4 |
| OM32045 | SP60-124x29x7 | VDI60 B1-B4 C1-C4 |
| OM32097 | SP20-74x13x4 | VDI20 B5-B8 |
| OM32098 | SP25-74x13x4 | VDI25 B5-B8 |
| OM32099 | SP30-99x17x4 | VDI30 B5-B8 |
| OM32100 | SP40-117x21x5 | VDI40 B5-B8 |
| OM32101 | SP50-129x24x7 | VDI50 B5-B8 |
| OM32102 | SP60-144x29x7 | VDI60 B5-B8 |



Buses d'arrosage VDI

| Code Article | Specification | Buses d'arrosage |
|--------------|---------------|------------------|
| OM32046 | MB10xM4 | VDI16 |
| OM32047 | MB12xM5 | VDI20/25/30 |
| OM32048 | MB14xM6 | VDI40/50/60 |



VDI
(08166880)

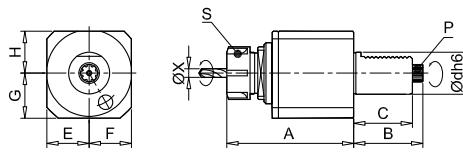
Joint Torique VDI

| Code Article | Specification | Joint Torique |
|--------------|-----------------|---------------|
| OM32049 | ZSRS-15x1.5 | VDI16 |
| OM32050 | ZSRS-18.77x1.78 | VDI20 |
| OM32051 | ZSRS-23.52x1.78 | VDI25 |
| OM32052 | ZSRS-28.30x1.78 | VDI30 |
| OM32053 | ZSRS-37.77x2.62 | VDI40 |
| OM32054 | ZSRS-47.29x2.62 | VDI50 |
| OM32055 | ZSRS-56.74x3.53 | VDI60 |



VDI ATH Outil Axial Tool Tête Carré

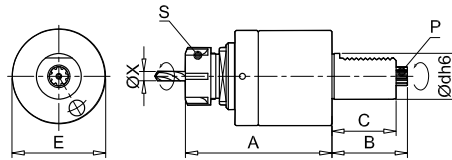
- DIN 5482
- VDI Motorisé



| Code Article | Dimensions (mm) | | | | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|------|----|----|----|----|----|----|------|-----|-------------|------|------|-----------|
| | Ødh6 | A | B | C | E | F | G | H | ØX | | | | | |
| OM33432 | 30 | 94 | 55 | 45 | 30 | 30 | 30 | 28 | 1-13 | 1:1 | 6000 | ER20 | 40 | B15x12-9b |
| OM33238 | 30 | 98.5 | 55 | 45 | 30 | 30 | 30 | 28 | 1-13 | 1:1 | 6000 | ER25 | 40 | B15x12-9b |
| OM33433 | 40 | 123 | 63 | 53 | 41 | 41 | 43 | 40 | 1-13 | 1:1 | 5000 | ER32 | 70 | B17x14-9b |

VDI ATH Outil Axial Tool Tête Ronde - Ecroû Externe

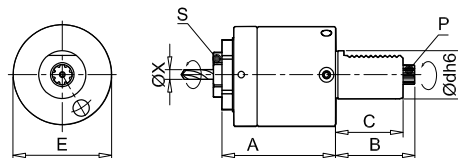
- DIN 5482
- VDI Motorisé



| Code Article | Dimensions (mm) | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|-------|----|----|----|-----|-------------|------|------|-----------|
| | Ødh6 | A | B | C | ØX | | | | | |
| OM33434 | 30 | 98.5 | 55 | 45 | 68 | 1:1 | 6000 | ER25 | 40 | B15x12-9b |
| OM33435 | 40 | 120.5 | 63 | 53 | 83 | 1:1 | 5000 | ER32 | 70 | B17x14-9b |

VDI ATH OUTIL AXIAL TOOL TÊTE RONDE - ECROU INTERNE

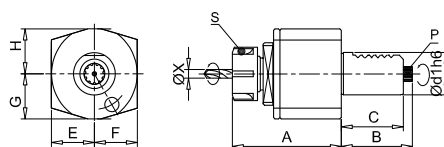
- DIN 5482
- VDI Motorisé



| Code Article | Dimensions (mm) | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|----|----|----|------|-----|-------------|------|------|-----------|
| | Ødh6 | A | B | C | ØX | | | | | |
| OM33436 | 30 | 80 | 55 | 45 | 1-16 | 1:1 | 6000 | ER25 | 40 | B15x12-9b |
| OM33437 | 40 | 95 | 63 | 53 | 1-20 | 1:1 | 5000 | ER32 | 70 | B17x14-9b |

VDI ATH Outil Axial Tête Courte

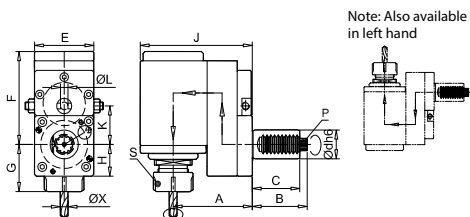
- DIN 5482
- VDI Motorisé



| Code Article | Dimensions (mm) | | | | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|----|----|----|------|------|----|----|------|-----|-------------|------|------|-----------|
| | Ødh6 | A | B | C | E | F | G | H | ØX | | | | | |
| OM33438 | 30 | 78 | 55 | 45 | 35 | 35 | 33 | 33 | 1-13 | 1:1 | 4000 | ER20 | 40 | B15x12-9b |
| OM33439 | 40 | 85 | 63 | 53 | 42.5 | 42.5 | 38 | 38 | 1-20 | 1:1 | 4000 | ER32 | 70 | B17x14-9b |

RTH Outil Radial

- DIN 5482
- VDI Motorisé



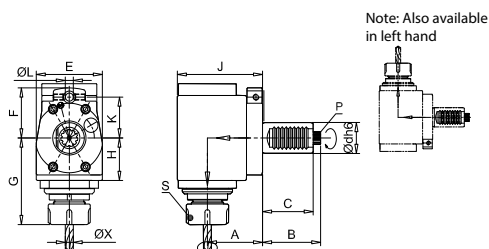
Note: Also available in left hand



| Code Article | | Dimensions (mm) | | | | | | | | | | | | i | N _{max} RPM | S | T Nm | P |
|--------------|---------|-----------------|----|----|----|----|-------|----|----|-----|----|----|------|-----|-------------------------|------|------|-----------|
| R/H | L/H | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | ØX | | | | | |
| OM33237 | OM33479 | 30 | 89 | 55 | 45 | 63 | 96.5 | 49 | 33 | 124 | 40 | 8 | 1-16 | 1:1 | 6000 | ER25 | 40 | B15x12-9b |
| OM33440 | OM33480 | 40 | 98 | 63 | 53 | 80 | 108.5 | 43 | 43 | 138 | 63 | 10 | 1-20 | 1:1 | 5000 | ER32 | 70 | B17x14-9b |

RTH OUTIL RADIAL - DIRECT

- DIN 5482
- VDI Motorisé



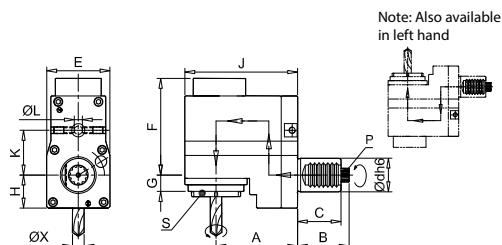
Note: Also available in left hand



| Code Article | | Dimensions (mm) | | | | | | | | | | | | i | N _{max} RPM | S | T Nm | P |
|--------------|---------|-----------------|----|----|----|----|----|------|------|----|----|----|------|-----|-------------------------|------|------|-----------|
| R/H | L/H | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | ØX | | | | | |
| OM33441 | OM33481 | 30 | 55 | 55 | 45 | 66 | 53 | 84.5 | 41.5 | 85 | 40 | 8 | 1-16 | 1:1 | 6000 | ER25 | 40 | B15x12-9b |
| OM33442 | OM33482 | 40 | 64 | 63 | 53 | 76 | 74 | 90 | 43 | 98 | 63 | 10 | 1-20 | 1:1 | 5000 | ER32 | 70 | B17x14-9b |

RTH OUTIL RADIAL - ECROU INTERNE, AVEC LUBRIFICATION

- DIN 5482
- VDI Motorisé



Note: Also available in left hand

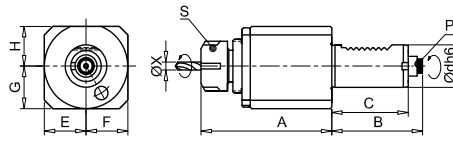


| Code Article | | Dimensions (mm) | | | | | | | | | | | | i | N _{max} RPM | S | T Nm | P |
|--------------|---------|-----------------|------|----|----|----|-------|----|------|-------|----|----|------|-----|-------------------------|------|------|-----------|
| R/H | L/H | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | ØX | | | | | |
| OM33443 | OM33483 | 40 | 99.5 | 63 | 53 | 77 | 115.5 | 33 | 39.5 | 137.5 | 63 | 10 | 1-20 | 1:1 | 5000 | ER32 | 70 | B17x14-9b |

VDI ATH

Outil Axial - Carré, Ecrou Externe

- DIN 5480
- VDI Motorisé

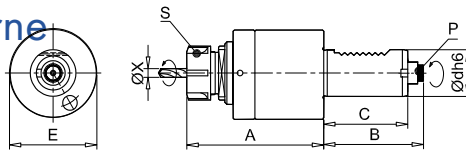


| Code Article | Dimensions (mm) | | | | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|------|----|----|----|----|----|----|------|-----|----------|------|------|-------------------|
| | Ødh6 | A | B | C | E | F | G | H | ØX | | | | | |
| OM33444 | 16 | 65 | 42 | 32 | 21 | 25 | 21 | 21 | 1-7 | 1:1 | 6000 | ER11 | 6.3 | W8x0.8x30°x18-9b |
| OM33207 | 20 | 94 | 51 | 40 | 30 | 30 | 27 | 28 | 1-13 | 1:1 | 6000 | ER20 | 10 | W10x0.8x30°x11-9b |
| OM33445 | 30 | 94 | 67 | 55 | 30 | 30 | 30 | 28 | 1-13 | 1:1 | 6000 | ER20 | 40 | W16x0.8x30°x18-9b |
| OM33297 | 30 | 98.5 | 67 | 55 | 30 | 30 | 30 | 28 | 1-16 | 1:1 | 6000 | ER25 | 40 | W16x0.8x30°x18-9b |
| OM33236 | 40 | 123 | 75 | 63 | 41 | 41 | 43 | 40 | 1-20 | 1:1 | 5000 | ER32 | 70 | W20x0.8x30°x24-9b |

VDI ATH

Outil Axial - Rond, Ecrou Externe

- DIN 5480
- VDI Motorisé

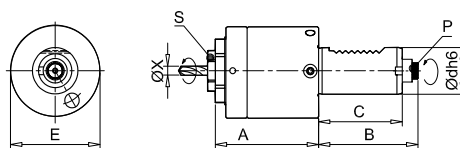


| Code Article | Dimensions (mm) | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|-------|----|----|----|------|-----|----------|------|------|-------------------|
| | Ødh6 | A | B | C | E | ØX | | | | | |
| OM33446 | 30 | 99.5 | 67 | 55 | 68 | 1-16 | 1:1 | 6000 | ER25 | 40 | W16x0.8x30°x18-9b |
| OM33447 | 40 | 120.5 | 75 | 63 | 83 | 1-20 | 1:1 | 5000 | ER32 | 70 | W20x0.8x30°x24-9b |

VDI ATH

Outil Axial - Rond, Ecrou Interne

- DIN 5480
- VDI Motorisé

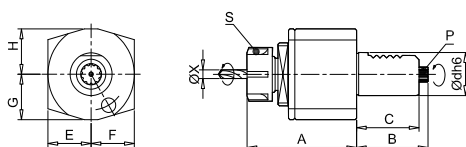


| Code Article | Dimensions (mm) | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|----|----|----|----|------|-----|----------|------|------|-------------------|
| | Ødh6 | A | B | C | E | ØX | | | | | |
| OM33448 | 30 | 80 | 67 | 55 | 68 | 1-16 | 1:1 | 6000 | ER25 | 40 | W16x0.8x30°x18-9b |
| OM33449 | 40 | 95 | 75 | 63 | 83 | 1-20 | 1:1 | 5000 | ER32 | 70 | W20x0.8x30°x24-9b |

VDI ATH

Outil Axial - Court

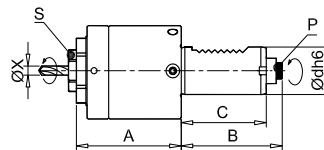
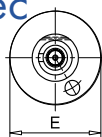
- DIN 5480
- VDI Motorisé



| Code Article | Dimensions (mm) | | | | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|----|----|----|----|----|----|----|------|-----|----------|------|------|-------------------|
| | Ødh6 | A | B | C | E | F | G | H | ØX | | | | | |
| OM33450 | 20 | 76 | 51 | 40 | 31 | 31 | 35 | 28 | 1-10 | 1:1 | 4000 | ER16 | 10 | W10x0.8x30°x11-9b |

ATH

Outil Axial - Ecrou Interne, Avec Lubrification



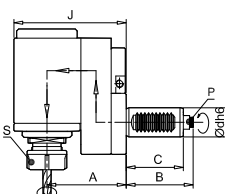
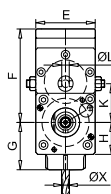
- DIN 5480
- VDI Motorisé

| Code Article | Dimensions (mm) | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|----|----|----|----|------|-----|----------|------|------|-------------------|
| | Ødh6 | A | B | C | E | ØX | | | | | |
| OM33451 | 30 | 80 | 67 | 55 | 68 | 1-16 | 1:1 | 6000 | ER25 | 40 | W16x0.8x30°x18-9b |
| OM33452 | 40 | 95 | 75 | 83 | 83 | 1-20 | 1:1 | 5000 | ER32 | 70 | W20x0.8x30°x24-9b |

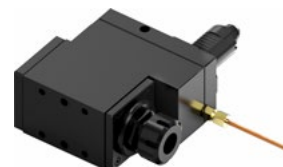
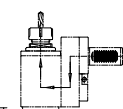
RTH

Outil Radial

- DIN 5480
- VDI Motorisé



Note: Également disponible à gauche



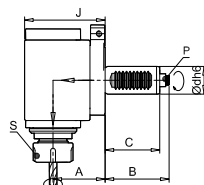
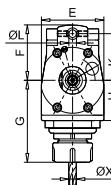
| Code Article | | Dimensions (mm) | | | | | | | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|---------|-----------------|----|----|----|----|-------|----|----|-----|----|----|------|-----|----------|------|------|-------------------|
| R/H | L/H | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | ØX | | | | | |
| OM33453 | OM33484 | 20 | 57 | 51 | 40 | 50 | 70 | 49 | 33 | 119 | 40 | 8 | 1-16 | 1:1 | 6000 | ER25 | 10 | W10x0.8x30°x11-9b |
| OM33454 | OM33485 | 30 | 89 | 67 | 55 | 63 | 96.5 | 49 | 33 | 124 | 48 | 8 | 1-16 | 1:1 | 6000 | ER25 | 40 | W16x0.8x30°x18-9b |
| OM33455 | OM33486 | 40 | 98 | 75 | 63 | 80 | 108.5 | 43 | 43 | 138 | 56 | 10 | 1-20 | 1:1 | 5000 | ER32 | 70 | W20x0.8x30°x24-9b |

VDI
(DIN69880)

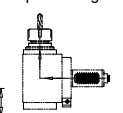
RTH

Outil Radial - Direct

- DIN 5480
- VDI Motorisé



Note: Également disponible à gauche

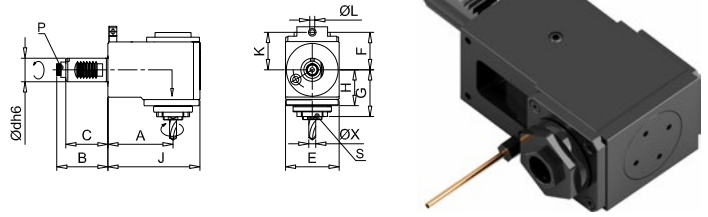


| Code Article | | Dimensions (mm) | | | | | | | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|---------|-----------------|----|----|----|----|----|------|------|----|----|----|------|-----|----------|------|------|-------------------|
| R/H | L/H | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | ØX | | | | | |
| OM33456 | OM33487 | 16 | 34 | 42 | 32 | 42 | 61 | 46 | 25 | 50 | 54 | 8 | 1-7 | 1:1 | 6000 | ER11 | 6.3 | W8x0.8x30°x18-9b |
| OM33457 | OM33488 | 30 | 55 | 67 | 55 | 66 | 53 | 84.5 | 41.5 | 85 | 48 | 8 | 1-16 | 1:1 | 6000 | ER25 | 40 | W16x0.8x30°x18-9b |
| OM33458 | OM33489 | 40 | 64 | 75 | 63 | 76 | 69 | 90 | 43 | 98 | 56 | 10 | 1-20 | 1:1 | 5000 | ER32 | 70 | W20x0.8x30°x24-9b |

VDI ATH

Outil Axial, Pour Op. Radiale, Bout Unique

- DIN 5480
- VDI Motorisé

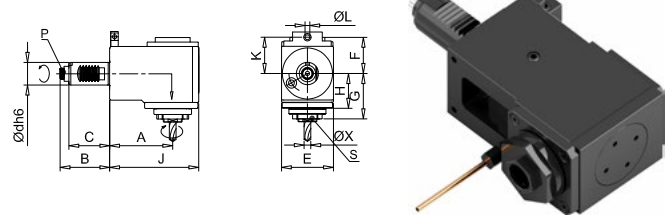


| Code Article | Dimensions (mm) | | | | | | | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|-----|----|----|----|------|------|------|-----|----|----|------|-----|-------------|------|---------|-------------------|
| | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | ØX | | | | | |
| OM33459 | 30 | 85 | 67 | 55 | 70 | 49.5 | 64.5 | 45.5 | 120 | 48 | 8 | 1-16 | 1:1 | 6000 | ER25 | 40 | W16x0.8x30°x18-9b |
| OM33460 | 40 | 100 | 75 | 63 | 76 | 54 | 74.5 | 53 | 144 | 56 | 10 | 1-20 | 1:1 | 5000 | ER32 | 70 | W20x0.8x30°x24-9b |

VDI ATH

Outil Axial, Pour Op. Radiale Bout Unique - Avec Lubrification

- DIN 5480
- VDI Motorisé

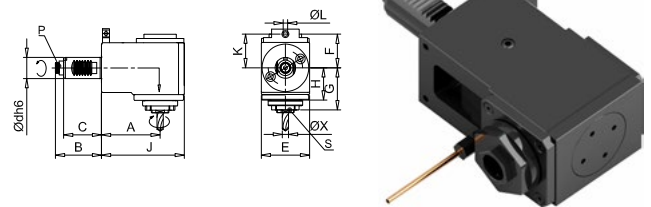


| Code Article | Dimensions (mm) | | | | | | | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|-----|----|----|----|------|------|------|-----|----|----|------|-----|-------------|------|---------|-------------------|
| | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | ØX | | | | | |
| OM33461 | 30 | 85 | 67 | 55 | 70 | 58.5 | 64.5 | 45.5 | 120 | 48 | 8 | 1-16 | 1:1 | 6000 | ER25 | 40 | W16x0.8x30°x18-9b |
| OM33462 | 40 | 100 | 75 | 63 | 76 | 64.5 | 74.5 | 53 | 144 | 56 | 10 | 1-20 | 1:1 | 5000 | ER32 | 70 | W20x0.8x30°x24-9b |

VDI ATH

Outil Axial, Pour Op. Radiale Bout Unique - Double denture

- DIN 5480
- VDI Motorisé

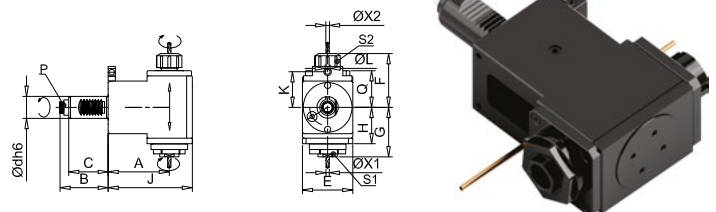


| Code Article | Dimensions (mm) | | | | | | | | | | | | i | Nmax RPM | S | T Nm | P |
|--------------|-----------------|-----|----|----|----|------|------|------|-----|----|----|------|-----|-------------|------|---------|-------------------|
| | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | ØX | | | | | |
| OM33463 | 30 | 100 | 67 | 55 | 62 | 49.5 | 64.5 | 45.5 | 132 | 48 | 8 | 1-16 | 1:1 | 6000 | ER25 | 40 | W16x0.8x30°x18-9b |

VDI ATH

Outil Axial, Pour Op. Radiale Double Denture

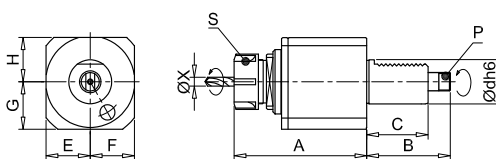
- DIN 5480
- VDI Motorisé



| Code Article | Dimensions (mm) | | | | | | | | | | | | | S1 | S2 | i | Nmax RPM | T Nm | P |
|--------------|-----------------|-----|----|----|----|------|------|------|-----|----|----|------|------|------|------|-----|-------------|---------|-------------------|
| | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | ØX1 | ØX2 | | | | | | |
| OM33464 | 30 | 85 | 67 | 55 | 70 | 75.5 | 68.5 | 49.5 | 117 | 48 | 8 | 1-16 | 1-13 | ER25 | ER20 | 1:1 | 6000 | 40 | W16x0.8x30°x18-9b |
| OM33465 | 30 | 100 | 67 | 55 | 62 | 75.5 | 68.5 | 49.5 | 132 | 48 | 8 | 1-16 | 1-13 | ER25 | ER20 | 1:1 | 6000 | 40 | W16x0.8x30°x18-9b |
| OM33466 | 40 | 100 | 75 | 63 | 76 | 78.5 | 74.5 | 53 | 141 | 56 | 10 | 1-20 | 1-13 | ER32 | ER20 | 1:1 | 5000 | 70 | W20x0.8x30°x24-9b |
| OM33467 | 40 | 120 | 75 | 63 | 76 | 78.5 | 74.5 | 53 | 161 | 56 | 10 | 1-20 | 1-13 | ER32 | ER20 | 1:1 | 5000 | 70 | W20x0.8x30°x24-9b |

ATH Outil Axial

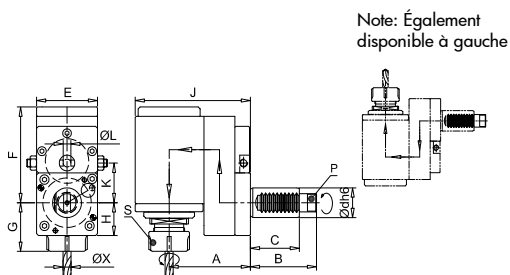
- DIN 1809
- VDI Motorisé



| Code Article | Dimensions (mm) | | | | | | | | | i | Nmax RPM | S | T Nm | P | Turret Type |
|--------------|-----------------|------|------|------|----|----|----|----|------|-----|-------------|------|---------|-----------|-------------|
| | Ødh6 | A | B | C | E | F | G | H | ØX | | | | | | |
| OM33468 | 30 | 94 | 62 | 50.5 | 30 | 30 | 30 | 28 | 1-13 | 1:1 | 6000 | ER20 | 40 | Ø12x6x7 | Duplomatic |
| OM33469 | 30 | 98.5 | 62 | 50.5 | 30 | 30 | 30 | 28 | 1-16 | 1:1 | 6000 | ER25 | 40 | Ø12x6x7 | Duplomatic |
| OM33470 | 30 | 98.5 | 66.5 | 55 | 30 | 30 | 30 | 28 | 1-16 | 1:1 | 6000 | ER25 | 40 | Ø13.5x8x7 | EWS |
| OM33471 | 40 | 123 | 72 | 56 | 41 | 41 | 43 | 40 | 1-20 | 1:1 | 5000 | ER32 | 70 | Ø14x8x6.5 | Duplomatic |

RTH Outil Radial

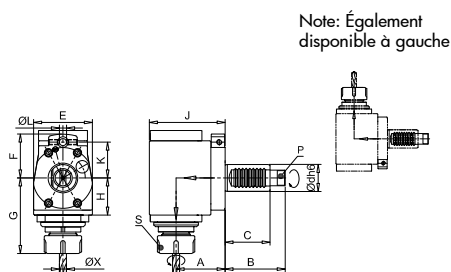
- DIN 1809
- VDI Motorisé



| Code Article | | Dimensions (mm) | | | | | | | | | | | i | Nmax RPM | S | T Nm | P | Type de Tourelle | |
|--------------|---------|-----------------|----|------|------|----|-------|----|----|-----|----|----|------|-------------|------|---------|----|---------------------|------------|
| R/H | L/H | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | | | | | | | ØX |
| OM33472 | OM33490 | 30 | 84 | 62 | 50.5 | 63 | 96.5 | 49 | 33 | 119 | 40 | 8 | 1-16 | 1:1 | 6000 | ER25 | 40 | Ø12x6x7 | Duplomatic |
| OM33473 | OM33491 | 30 | 84 | 66.5 | 55 | 63 | 96.5 | 49 | 33 | 119 | 40 | 8 | 1-16 | 1:1 | 6000 | ER25 | 40 | Ø13.5x8x7 | EWS |
| OM33474 | OM33492 | 40 | 91 | 72 | 56 | 80 | 106.5 | 43 | 43 | 131 | 63 | 10 | 1-20 | 1:1 | 5000 | ER32 | 70 | Ø14x8x6.5 | Duplomatic |

RTH Outil Radial - Direct

- DIN 1809
- VDI Motorisé

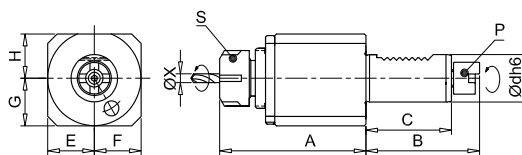


| Code Article | | Dimensions (mm) | | | | | | | | | | | i | Nmax RPM | S | T Nm | P | Turret Type | |
|--------------|---------|-----------------|----|----|------|----|----|------|------|----|----|----|------|-------------|------|---------|----|-------------|------------|
| R/H | L/H | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | | | | | | | ØX |
| OM33475 | OM33493 | 30 | 55 | 62 | 50.5 | 66 | 53 | 84.5 | 41.5 | 85 | 40 | 8 | 1-16 | 1:1 | 6000 | ER25 | 40 | Ø12x6x7 | Duplomatic |

VDI
(DIN69880)

ATH TOEM Outil Axial

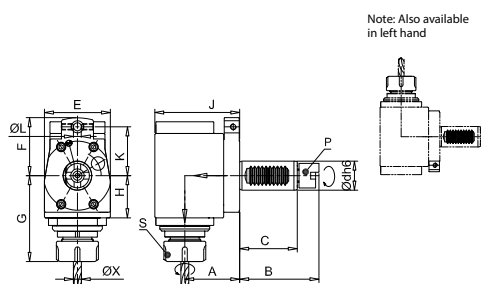
- Raccord TOEM pour Tourelle Baruffaldi
- VDI Motorisé



| Code Article | Dimensions (mm) | | | | | | | | | i | Nmax RPM | S | T Nm | P | Turret Type |
|--------------|-----------------|------|----|----|----|----|----|----|------|-------|-------------|------|------|-----------|-------------|
| | Ødh6 | A | B | C | E | F | G | H | ØX | | | | | | |
| OM33476 | 16 | 65 | 48 | 35 | 21 | 25 | 21 | 21 | 1-7 | 1:1 | 6000 | ER11 | 6.3 | Ø14.5x4x4 | Baruffaldi |
| OM33477 | 30 | 98.5 | 59 | 45 | 30 | 30 | 30 | 28 | 1-16 | 01:01 | 6000 | ER25 | 40 | Ø24x6x3.2 | Baruffaldi |

RTH DIRECT TOEM Outil Radial

- Raccord TOEM pour Tourelle Baruffaldi
- VDI Motorisé



| Code Article | | Dimensions (mm) | | | | | | | | | | | i | Nmax RPM | S | T Nm | P | Turret Type | |
|--------------|---------|-----------------|----|----|----|----|----|----|----|----|----|----|-----|-------------|------|------|-----|-------------|------------|
| R/H | L/H | Ødh6 | A | B | C | E | F | G | H | J | K | ØL | | | | | | | ØX |
| OM33478 | OM33494 | 16 | 34 | 48 | 35 | 42 | 61 | 46 | 25 | 50 | 54 | 8 | 1-7 | 1:1 | 6000 | ER11 | 6.3 | Ø14.5x4x4 | Baruffaldi |

VDI TYPE D'ENTRAINEMENT

- La liste ci-dessous représente les quatre types d'entraînement les plus courants
- Tous types d'entraînement peut être fabriqué en spécial sur demande

DIN 5480



DIN 5482



BARUFFALDI



DIN 1809



MANDRIN À PINCE À QUEUE CYLINDRIQUE

PINCE ER

- Ecrou Standard
- A = Ecrou Hexagonal
- Pinces ER – Page 118
- Pièces détachées – Page 178

| Code Article | Description | Diamètre de Queue (mm) | Type de Pince | Longueur de queue (mm) | |
|--------------|-----------------|------------------------|---------------|------------------------|-----|
| OM30010 | C16 ER11A x 150 | 16 | ER 11 | 150 | |
| OM30014 | C16 ER16A x 50 | | ER 16 | 50 | |
| OM30012 | C16 ER16A x 100 | | ER 16 | 100 | |
| OM30013 | C16 ER16A x 150 | | ER 16 | 150 | |
| OM30020 | C20 ER16A x 50 | 20 | ER 16 | 50 | |
| OM30018 | C20 ER16A x 100 | | ER 16 | 100 | |
| OM30019 | C20 ER16A x 150 | | ER 16 | 150 | |
| OM30027 | C20 ER20 x 50 | | ER20 | 50 | |
| OM30025 | C20 ER20 x 100 | | ER20 | 100 | |
| OM30026 | C20 ER20 x 150 | | ER20 | 150 | |
| OM30030 | C20 ER25 x 50 | | ER25 | 50 | |
| OM30029 | C20 ER25 x 100 | | ER25 | 100 | |
| OM30032 | C20 ER32 x 50 | | ER32 | 50 | |
| OM30031 | C20 ER32 x 100 | | ER32 | 100 | |
| OM30033 | C25 ER16 x 150 | | 25 | ER 16 | 150 |
| OM30037 | C25 ER20 x 150 | | | ER20 | 150 |
| OM30039 | C25 ER25 x 50 | ER25 | | 50 | |
| OM30038 | C25 ER25 x 100 | ER25 | | 100 | |
| OM30265 | C25 ER25 X 150 | ER25 | | 150 | |
| OM30137 | C25 ER25 x 200 | ER25 | | 200 | |
| OM30041 | C25 ER32 x 50 | ER32 | | 50 | |
| OM30040 | C25 ER32 x 100 | ER32 | | 100 | |
| OM30497 | C25 ER32 x 200 | ER32 | | 200 | |
| OM30042 | C25 ER40 x 50 | ER40 | | 50 | |
| OM30170 | C32 ER25 X 80 | 32 | | ER25 | 80 |
| OM30171 | C32 ER25 x 100 | | | ER25 | 100 |
| OM30044 | C32 ER32 x 50 | | ER32 | 50 | |
| OM30045 | C32 ER32 x 60 | | ER32 | 60 | |
| OM30043 | C32 ER32 x 100 | | ER32 | 100 | |
| OM30046 | C32 ER40 x 50 | | ER40 | 50 | |
| OM30369 | C40 ER25 x 100 | 40 | ER25 | 100 | |
| OM30048 | C40 ER32 x 85 | | ER32 | 85 | |
| OM30047 | C40 ER32 x 100 | | ER32 | 100 | |



MANDRIN À PINCE MINI À QUEUE CYLINDRIQUE

PINCE ER

- Ecrou Mini
- Pincés ER – Page 118
- Pièces détachées – Page 178

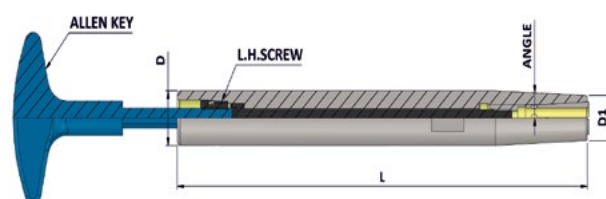
| Code Article | Description | Diamètre de Queue (mm) | Type de Pince | Longueur de queue (mm) |
|--------------|-----------------|------------------------|---------------|------------------------|
| OM30001 | C08 ER8M x 55 | 8 | ER8 | 55 |
| OM30494 | C08 ER8M x 100 | | ER8 | 100 |
| OM30002 | C10 ER8M x 100 | 10 | ER8 | 100 |
| OM30003 | C10 ER8M x 150 | | ER8 | 150 |
| OM30495 | C10 ER11M X 100 | | ER11 | 100 |
| OM30006 | C12 ER8M x 55 | 12 | ER8 | 55 |
| OM30005 | C12 ER8M x 120 | | ER8 | 120 |
| OM30175 | C12 ER8M x 150 | | ER8 | 150 |
| OM30176 | C12 ER8M x 200 | | ER8 | 200 |
| OM30004 | C12 ER11M x 80 | | ER11 | 80 |
| OM30136 | C12 ER11M x 150 | | ER11 | 150 |
| OM30147 | C12 ER11M x 200 | | ER11 | 200 |
| OM30009 | C16 ER11M x 50 | 16 | ER11 | 50 |
| OM30007 | C16 ER11M x 100 | | ER11 | 100 |
| OM30008 | C16 ER11M x 150 | | ER11 | 150 |
| OM30011 | C16 ER16M x 50 | | ER16 | 50 |
| OM30496 | C16 ER16M x 100 | 20 | ER16 | 100 |
| OM30017 | C20 ER16M x 60 | | ER16 | 60 |
| OM30015 | C20 ER16M x 100 | | ER16 | 100 |
| OM30016 | C20 ER16M x 150 | | ER16 | 150 |
| OM30096 | C20 ER16M x 200 | | ER16 | 200 |
| OM30099 | C20 ER16M x 300 | | ER16 | 300 |
| OM30024 | C20 ER20M x 50 | | ER20 | 50 |
| OM30021 | C20 ER20M x 100 | | ER20 | 100 |
| OM30022 | C20 ER20M x 150 | 22 | ER20 | 150 |
| OM30023 | C20 ER20M x 200 | | ER20 | 200 |
| OM30028 | C20 ER25M x 100 | 25 | ER25 | 100 |
| OM30139 | C22 ER16M x 70 | | ER16 | 70 |
| OM30000 | C22 ER20M x 100 | | ER20 | 100 |
| OM30036 | C25 ER20M x 60 | 32 | ER20 | 60 |
| OM30034 | C25 ER20M x 100 | | ER20 | 100 |
| OM30035 | C25 ER20M x 150 | | ER20 | 150 |
| OM30140 | C32 ER20M x 100 | 32 | ER20 | 100 |



QUEUE
DROITE

MANDRIN À PINCE À QUEUE CYLINDRIQUE PINCES DMC

- Pour Pinces Ultra Precision DMC
- Pinces DMC – Page 148
- Clés Hex. Page 181

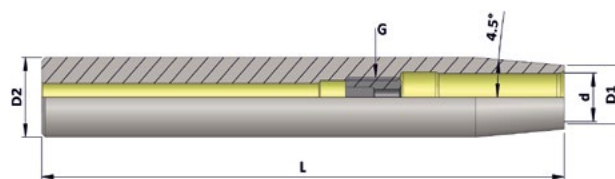


| Code Article | Description | Gamme de serrage | Dimensions (mm) | | | Angle | Pince | Vis | Clé Allen |
|--------------|------------------|------------------|-----------------|----|-----|-------|--------|-----|-----------|
| | | | D | D1 | L | | | | |
| OM32374 | D16 DMC 06 L 150 | 3-6 | 16 | 13 | 150 | 3° | DMC-06 | M5 | 4X200 |
| OM32375 | D20 DMC 06 L 200 | 3-6 | 20 | 13 | 200 | 3° | DMC-06 | M5 | 4X200 |
| OM32376 | D25 DMC 06 L 250 | 3-6 | 25 | 13 | 250 | 3° | DMC-06 | M5 | 4X200 |
| OM32377 | D20 DMC 08 L 150 | 3-8 | 20 | 19 | 150 | 3° | DMC-08 | M6 | 5X200 |
| OM32378 | D20 DMC 08 L 200 | 3-8 | 20 | 19 | 200 | 3° | DMC-08 | M6 | 5X200 |
| OM32379 | D25 DMC 10 L 150 | 4-10 | 25 | 24 | 150 | 3° | DMC-10 | M8 | 6X200 |
| OM32380 | D25 DMC 10 L 200 | 4-10 | 25 | 24 | 200 | 3° | DMC-10 | M8 | 6X200 |
| OM32381 | D25 DMC 10 L 250 | 4-10 | 25 | 24 | 250 | 3° | DMC-10 | M8 | 6X200 |



MANDRIN À EXTENSION FRETAGE

- Queue Cylindrique
- Rigidité et Force de serrage Supérieure
- 4.5 Degrée



12mm Queue Cylindrique

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------|-----------------|----|----|---|-----|
| | | D | D1 | D2 | G | L |
| OM33628 | D12 SF03 150 | 3 | 8 | 12 | - | 150 |
| OM33629 | D12 SF04 150 | 4 | 8 | 12 | - | 150 |

16mm Queue Cylindrique

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------|-----------------|----|----|----|-----|
| | | D | D1 | D2 | G | L |
| OM33630 | D16 SF03 150 | 3 | 10 | 16 | - | 150 |
| OM33631 | D16 SF04 150 | 4 | 10 | 16 | - | 150 |
| OM33632 | D16 SF05 150 | 5 | 10 | 16 | - | 150 |
| OM33633 | D16 SF06 150 | 6 | 10 | 16 | M5 | 150 |

20mm Queue Cylindrique

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|---------------|-----------------|----|----|-----|-----|
| | | D | D1 | D2 | G | L |
| OM33634 | D20 SF03 150 | 3 | 10 | 20 | - | 150 |
| OM33635 | D20 SF04 150 | 4 | 10 | 20 | - | 150 |
| OM33636 | D20 SF05 150 | 5 | 10 | 20 | - | 150 |
| OM33637 | D20 SF06 150 | 6 | 10 | 20 | M5 | 150 |
| OM33638 | D20 SF08 150 | 8 | 12 | 20 | M6 | 150 |
| OM33639 | D20 SF010 150 | 10 | 14 | 20 | M8 | 150 |
| OM33640 | D20 SF012 150 | 12 | 16 | 20 | M10 | 150 |

25mm Queue Cylindrique

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------|-----------------|----|----|-----|-----|
| | | D | D1 | D2 | G | L |
| OM33641 | D25 SF08 150 | 8 | 20 | 25 | M6 | 150 |
| OM33642 | D25 SF10 150 | 10 | 20 | 25 | M8 | 150 |
| OM33643 | D25 SF12 150 | 12 | 20 | 25 | M10 | 150 |
| OM33644 | D25 SF14 150 | 14 | 20 | 25 | M10 | 150 |
| OM33645 | D25 SF16 150 | 16 | 22 | 25 | M12 | 150 |

32mm Queue Cylindrique

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------|-----------------|----|----|-----|-----|
| | | D | D1 | D2 | G | L |
| OM33646 | D32 SF10 150 | 10 | 24 | 32 | M8 | 150 |
| OM33647 | D32 SF12 150 | 12 | 24 | 32 | M10 | 150 |
| OM33648 | D32 SF14 150 | 14 | 27 | 32 | M10 | 150 |
| OM33649 | D32 SF16 150 | 16 | 27 | 32 | M12 | 150 |
| OM33650 | D32 SF18 150 | 18 | 27 | 32 | M12 | 150 |
| OM33651 | D32 SF20 150 | 20 | 27 | 32 | M16 | 150 |

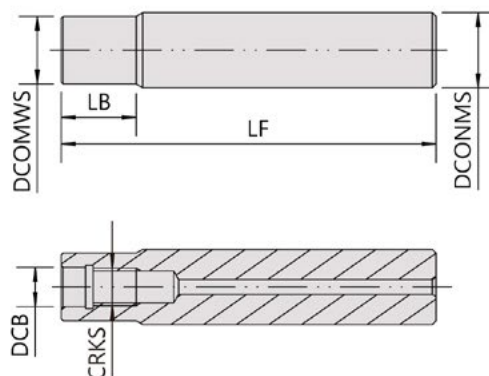


QUEUE
DROITE

RALLONGE AVEC TROU DE LUBRIFICATION

ACIER ALLIÉ

M4 - M16

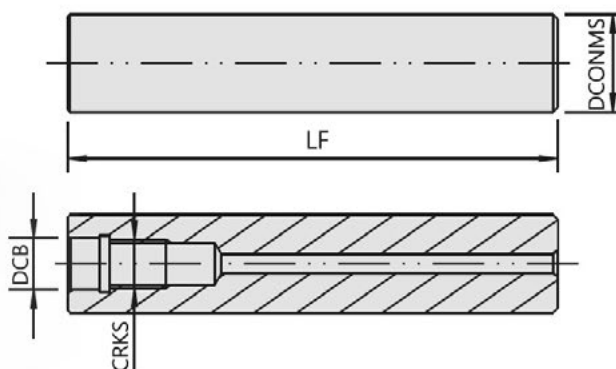
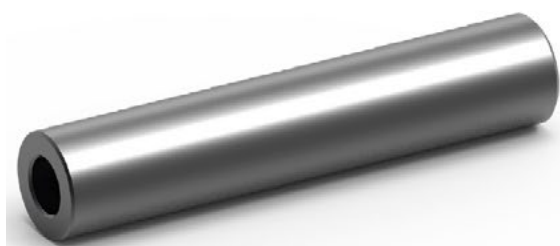


| Code Article | Description | Dimensions (mm) | | | | | |
|--------------|----------------|-----------------|-----|------|------|----|--------|
| | | DCONMS | LF | CRKS | DCB | LB | DCONWS |
| OM36500 | HML 08 M04-080 | 8 | 80 | M4 | 4.5 | 8 | 6 |
| OM36501 | HML 08 M04-120 | 8 | 120 | M4 | 4.5 | 8 | 6 |
| OM36502 | HML 10 M05-080 | 10 | 80 | M5 | 5.5 | 10 | 8 |
| OM36503 | HML 10 M05-120 | 10 | 120 | M5 | 5.5 | 10 | 8 |
| OM36504 | HML 12 M06-100 | 12 | 100 | M6 | 6.5 | 12 | 10 |
| OM36505 | HML 12 M06-150 | 12 | 150 | M6 | 6.5 | 12 | 10 |
| OM36506 | HML 16 M08-100 | 16 | 100 | M8 | 8.5 | 16 | 14 |
| OM36507 | HML 16 M08-150 | 16 | 150 | M8 | 8.5 | 16 | 14 |
| OM36508 | HML 16 M08-200 | 16 | 200 | M8 | 8.5 | 16 | 14 |
| OM36509 | HML 20 M10-100 | 20 | 100 | M10 | 10.5 | 20 | 18 |
| OM36510 | HML 20 M10-150 | 20 | 150 | M10 | 10.5 | 20 | 18 |
| OM36511 | HML 20 M10-200 | 20 | 200 | M10 | 10.5 | 20 | 18 |
| OM36512 | HML 25 M12-100 | 25 | 100 | M12 | 12.5 | 25 | 23 |
| OM36513 | HML 25 M12-150 | 25 | 150 | M12 | 12.5 | 25 | 23 |
| OM36514 | HML 25 M12-200 | 25 | 200 | M12 | 12.5 | 25 | 23 |
| OM36515 | HML 25 M12-250 | 25 | 250 | M12 | 12.5 | 25 | 23 |
| OM36516 | HML 32 M16-100 | 32 | 100 | M16 | 17 | 32 | 30 |
| OM36517 | HML 32 M16-150 | 32 | 150 | M16 | 17 | 32 | 30 |
| OM36518 | HML 32 M16-200 | 32 | 200 | M16 | 17 | 32 | 30 |
| OM36519 | HML 32 M16-250 | 32 | 250 | M16 | 17 | 32 | 30 |
| OM36520 | HML 32 M16-300 | 32 | 300 | M16 | 17 | 32 | 30 |
| OM36521 | HML 32 M16-350 | 32 | 350 | M16 | 17 | 32 | 30 |

RALLONGE AVEC TROU DE LUBRIFICATION

OUTIL EN CARBURE

M4 - M16

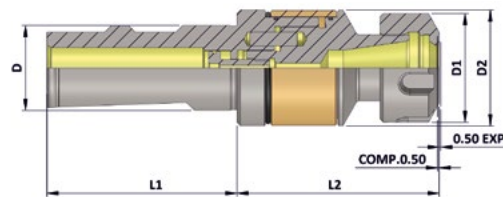


| Code Article | Description | Dimensions (mm) | | | | | |
|--------------|----------------|-----------------|-----|------|------|----|--------|
| | | DCONMS | LF | CRKS | DCB | LB | DCONWS |
| OM36522 | HME 08 M04-100 | 8 | 100 | M4 | 4.5 | 8 | 6 |
| OM36523 | HME 10 M05-100 | 10 | 100 | M5 | 5.5 | 10 | 8 |
| OM36524 | HME 10 M05-150 | 10 | 150 | M5 | 5.5 | 10 | 8 |
| OM36525 | HME 12 M06-100 | 12 | 100 | M6 | 6.5 | 12 | 10 |
| OM36526 | HME 12 M06-150 | 12 | 150 | M6 | 6.5 | 12 | 10 |
| OM36527 | HME 12 M06-200 | 12 | 200 | M6 | 6.5 | 12 | 10 |
| OM36528 | HME 16 M08-100 | 16 | 100 | M8 | 8.5 | 16 | 14 |
| OM36529 | HME 16 M08-150 | 16 | 150 | M8 | 8.5 | 16 | 14 |
| OM36530 | HME 16 M08-200 | 16 | 200 | M8 | 8.5 | 16 | 14 |
| OM36531 | HME 16 M08-250 | 16 | 250 | M8 | 8.5 | 16 | 14 |
| OM36532 | HME 20 M10-100 | 20 | 100 | M10 | 10.5 | 20 | 18 |
| OM36533 | HME 20 M10-150 | 20 | 150 | M10 | 10.5 | 20 | 18 |
| OM36534 | HME 20 M10-200 | 20 | 200 | M10 | 10.5 | 20 | 18 |
| OM36535 | HME 20 M10-250 | 20 | 250 | M10 | 10.5 | 20 | 18 |
| OM36536 | HME 20 M10-300 | 20 | 300 | M10 | 10.5 | 20 | 18 |
| OM36537 | HME 20 M10-350 | 20 | 350 | M10 | 10.5 | 20 | 18 |
| OM36538 | HME 25 M12-100 | 25 | 100 | M12 | 12.5 | 25 | 23 |
| OM36539 | HME 25 M12-150 | 25 | 150 | M12 | 12.5 | 25 | 23 |
| OM36540 | HME 25 M12-200 | 25 | 200 | M12 | 12.5 | 25 | 23 |
| OM36541 | HME 25 M12-250 | 25 | 250 | M12 | 12.5 | 25 | 23 |
| OM36542 | HME 25 M12-300 | 25 | 300 | M12 | 12.5 | 25 | 23 |
| OM36543 | HME 25 M12-350 | 25 | 350 | M12 | 12.5 | 25 | 23 |
| OM36544 | HME 32 M16-150 | 32 | 150 | M16 | 17 | 32 | 30 |
| OM36545 | HME 32 M16-200 | 32 | 200 | M16 | 17 | 32 | 30 |
| OM36546 | HME 32 M16-250 | 32 | 250 | M16 | 17 | 32 | 30 |
| OM36547 | HME 32 M16-300 | 32 | 300 | M16 | 17 | 32 | 30 |
| OM36548 | HME 32 M16-350 | 32 | 350 | M16 | 17 | 32 | 30 |
| OM36549 | HME 32 M16-400 | 32 | 400 | M16 | 17 | 32 | 30 |

GAUCHE
DROITE

MANDRIN DE TARAUDAGE MLC POUR BROCHE SYNCHRONE QUEUE CYLINDRIQUE

- Mandrin de Taraudage Compensation long Mini
- +/-0.5mm Compression & Expansion
- La Concentricité élevée Permet un Taraudage à grande Vitesse
- Recommandé pour utilisation avec des pinces type QCTC
- Pinces QCTC - Page 150
- Pièces détachées – Page 178



| Code Article | Description | Capac-ité | Plage de serrage | Type de Pince | Dimensions (mm) | | | | | | |
|--------------|---------------|-----------|------------------|---------------|-----------------|----|----|----|-------|-------|------|
| | | | | | D | D1 | D2 | L1 | L2 | Comp. | Exp. |
| OM32477 | D20 ER16 Mini | M3-M12 | 1-10 | ER16M | 20 | 22 | 34 | 51 | 58 | 0.5 | 0.5 |
| OM32487 | D20 ER16 | M3-M12 | 1-10 | ER16 | 20 | 32 | 34 | 51 | 58 | 0.5 | 0.5 |
| OM32500 | D25 ER16 Mini | M3-M12 | 1-10 | ER16M | 25 | 22 | 34 | 56 | 60 | 0.5 | 0.5 |
| OM32501 | D25 ER16 | M3-M12 | 1-10 | ER16 | 25 | 32 | 34 | 56 | 60 | 0.5 | 0.5 |
| OM32502 | D25 ER20 | M3-M16 | 3.5-10 | ER20 | 25 | 35 | 34 | 56 | 61 | 0.5 | 0.5 |
| OM32503 | D25 ER25 | M3-M20 | 3.5-16 | ER25 | 25 | 42 | 34 | 56 | 65 | 0.5 | 0.5 |
| OM32504 | D25 ER32 | M4-M27 | 3.5-20 | ER32 | 25 | 50 | 45 | 56 | 87 | 0.5 | 0.5 |
| OM32505 | D32 ER40 | M6-M33 | 6-26 | ER40 | 32 | 63 | 62 | 61 | 108.5 | 0.5 | 0.5 |



MANDRIN DE TARAUDAGE À CHANGEMENT RAPIDE QUEUE CYLINDRIQUE

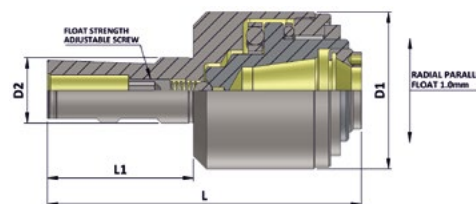
- Compensation Axiale
- Avec Tension et Compression
- Douilles de changement rapide disponible en 3 tailles
- Douilles de changement rapide Page 156

| Code Article | Description | Queue Diam. (mm) | Long de jauge (mm) | Plage de Taraudage |
|--------------|------------------------|------------------|--------------------|--------------------|
| OM31367 | C20 Size 1 (TC312-41) | 20 | 41 | M3 - M12 |
| OM31368 | C25 Size 1 (TC312-41) | 25 | 41 | M3 - M12 |
| OM31369 | C32 Size 1 (TC312-41) | 32 | 41 | M3 - M12 |
| OM31370 | C25 Size 2 (TC820-63) | 25 | 63 | M6 - M20 |
| OM31371 | C32 Size 2 (TC820-63) | 32 | 63 | M6 - M20 |
| OM31372 | C32 Size 3 (TC1433-97) | 32 | 97 | M14 - M36 |



MANDRINS FLOTTANT POUR ALÉSOIR QUEUE CYLINDRIQUE

- Mandrin Flottant pour alésoir court avec flotteur radial parallèle de 1,0mm
- Mécanisme d'équilibrage Intégral
- Excellent pour obtenir de bons états de surface avec d'importante profondeur
- Pièces détachées – Page 179, 181

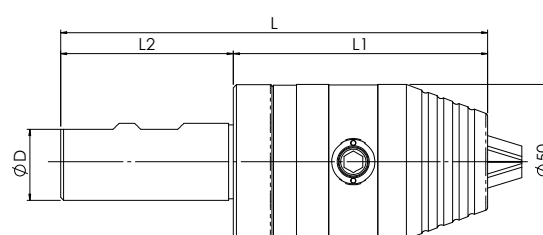


| Code Article | Description | Dimensions (mm) | | | | Capacité des pinces | Clé | Flottement Parallèle Radial |
|--------------|----------------|-----------------|----|-----|----|---------------------|------|-----------------------------|
| | | D1 | D2 | L | L1 | | | |
| OM32506 | FRH 20mm ER25A | 60 | 20 | 116 | 51 | 1-16 | E25A | 1.0 mm |
| OM32507 | FRH 25mm ER25A | 60 | 25 | 121 | 56 | 1-16 | E25A | 1.0 mm |
| OM32508 | FRH 32mm ER25A | 60 | 32 | 126 | 61 | 1-16 | E25A | 1.0 mm |



MANDRINS DE PERÇAGE DE PRÉCISION QUEUE CYLINDRIQUE AVEC MÉPLAT

- Mandrin de Perçage avec Clé Hexagonale
- Mandrin de Perçage de haute Précision
- Haute résistance à l'usure avec les mors en Titane
- Clé Hexagonale de rechange - Page 181



| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--------------|-----------------|-----|----|----|----|
| | | Capacité | L | L1 | L2 | D |
| OM33674 | D20 GHK13 83 | 0.3-13 | 133 | 50 | 83 | 20 |
| OM33675 | D25 GHK13 83 | 0.3-13 | 139 | 56 | 83 | 25 |



MANDRINS À PINCE ER R8 (BRIDGEPORT)

- Filetage de fixation 7/16 UNF

| Code Article | Description |
|--------------|-------------|
| OM31314 | R8 ER16 |
| OM31449 | R8 ER25 |
| OM31315 | R8 ER32 |
| OM31316 | R8 ER40 |



MANDRINS PORTE-FRAISES R8 (BRIDGEPORT)

- Filetage de fixation 7/16 UNF

| Code Article | Description | Ø Weldon |
|--------------|-------------|----------|
| OM31327 | R8 S/L 10 | 10mm |
| OM31328 | R8 S/L 12 | 12mm |
| OM31329 | R8 S/L 16 | 16mm |
| OM31330 | R8 S/L 20 | 20mm |
| OM31331 | R8 S/L 25 | 25mm |
| OM31332 | R8 S/L 32 | 32mm |



MANDRIN PORTE FRAISE À TROU R8 (BRIDGEPORT)

- Filetage de fixation 7/16 UNF

| Code Article | Description | Ø Tenon |
|--------------|-------------|---------|
| OM31318 | R8 FMB 16 | 16mm |
| OM31319 | R8 FMB 22 | 22mm |
| OM31320 | R8 FMB 27 | 27mm |
| OM31321 | R8 FMB 32 | 32mm |



MANDRIN POUR CONE MORSE R8 (BRIDGEPORT)

- Filetage de fixation 7/16 UNF

| Code Article | Description |
|--------------|-------------|
| OM31323 | R8 MTA 1 |
| OM31324 | R8 MTA 2 |
| OM31325 | R8 MTA 3 |
| OM31326 | R8 MTA 4 |



ATTACHEMENT POUR MANDRIN DE PERÇAGE R8 (BRIDGEPORT)

- Filetage de fixation 7/16 UNF

| Code Article | Description |
|--------------|-------------|
| OM31322 | R8 JT6 |
| OM31363 | R8 B16 |



PINCES R8 R8 (BRIDGEPORT)

- Filetage de fixation 7/16 UNF

| Code Article | Description | Taille de Serrage (mm) |
|--------------|-------------|------------------------|
| OM31295 | R8 2mm | 2 |
| OM31296 | R8 3mm | 3 |
| OM31297 | R8 4mm | 4 |
| OM31298 | R8 5mm | 5 |
| OM31299 | R8 6mm | 6 |
| OM31300 | R8 7mm | 7 |
| OM31301 | R8 8mm | 8 |
| OM31302 | R8 9mm | 9 |
| OM31303 | R8 10mm | 10 |
| OM31304 | R8 11mm | 11 |
| OM31305 | R8 12mm | 12 |
| OM31306 | R8 13mm | 13 |
| OM31307 | R8 14mm | 14 |
| OM31308 | R8 15mm | 15 |
| OM31309 | R8 16mm | 16 |
| OM31310 | R8 17mm | 17 |
| OM31311 | R8 18mm | 18 |
| OM31312 | R8 19mm | 19 |
| OM31313 | R8 20mm | 20 |



R8
(BRIDGEPORT)

PINCES ER8 STANDARD



- Pincés ER Standard
- (Précision <math><10\mu</math>)
- Plage de Serrage 1,0 - 5,0 mm

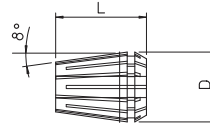
| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM32000 | Pincés ER8 Standard (Précision 10 micron) | 1.0-0.5 |
| OM32001 | | 1.5-1.0 |
| OM32002 | | 2.0-1.5 |
| OM32003 | | 2.5-2.0 |
| OM32004 | | 3.0-2.5 |
| OM32005 | | 3.5-3.0 |
| OM32006 | | 4.0-3.5 |
| OM32007 | | 4.5-4.0 |
| OM32008 | | 5.0-4.5 |

PINCES ER8 ULTRA PRECISION



- Pincés ER Ultra Précision
- (Précision <math><5\mu</math>)
- Plage de Serrage 1,0 - 5,0 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM32018 | Pincés ER8 Ultra Précision (Précision 5 micron) | 1.0-0.5 |
| OM32019 | | 1.5-1.0 |
| OM32020 | | 2.0-1.5 |
| OM32021 | | 2.5-2.0 |
| OM32022 | | 3.0-2.5 |
| OM32023 | | 3.5-3.0 |
| OM32024 | | 4.0-3.5 |
| OM32025 | | 4.5-4.0 |
| OM32026 | | 5.0-4.5 |



| | |
|------------------|-------------|
| D | 8.5mm |
| L | 13mm |
| Plage de Serrage | 1.0 - 5.0mm |

PINCES ER11 STANDARD



- Pincés ER Standard
- (Précision <math><10\mu</math>)
- Plage de Serrage 1,0 - 8,0 mm

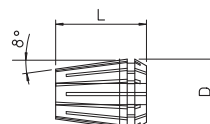
| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32030 | Pincés ER11 Standard (Précision 10 micron) | 1.0-0.5 |
| OM32031 | | 1.5-1.0 |
| OM32032 | | 2.0-1.5 |
| OM32033 | | 2.5-2.0 |
| OM32034 | | 3.0-2.5 |
| OM32035 | | 3.5-3.0 |
| OM32036 | | 4.0-3.5 |
| OM32037 | | 4.5-4.0 |
| OM32038 | | 5.0-4.5 |
| OM32039 | | 5.5-5.0 |
| OM32040 | | 6.0-5.5 |
| OM32041 | | 6.5-6.0 |
| OM32042 | | 7.0-6.5 |
| OM33032* | | 7.5-7.3 |
| OM33033* | | 8.0-7.8 |

PINCES ER11 ULTRA PRECISION



- Pincés ER Ultra Précision
- (Précision <math><5\mu</math>)
- Plage de Serrage 1,0 - 5,0 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32056 | Pincés ER11 Ultra Précision (Précision 5 micron) | 1.0-0.5 |
| OM32057 | | 1.5-1.0 |
| OM32058 | | 2.0-1.5 |
| OM32059 | | 2.5-2.0 |
| OM32060 | | 3.0-2.5 |
| OM32061 | | 3.5-3.0 |
| OM32062 | | 4.0-3.5 |
| OM32063 | | 4.5-4.0 |
| OM32064 | | 5.0-4.5 |
| OM32065 | | 5.5-5.0 |
| OM32066 | | 6.0-5.5 |
| OM32067 | | 6.5-6.0 |
| OM32068 | | 7.0-6.5 |



| | |
|------------------|-------------|
| D | 11.5mm |
| L | 18mm |
| Plage de Serrage | 1.0 - 7.0mm |

* Pincés de diamètre supérieur à 7mm ont une longueur L plus courtes

PINCES ER16 STANDARD



- Pincés ER Standard
- (Précision <math><10\mu</math>)
- Plage de Serrage 1,0 - 12,0 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32072 | Pincés ER16 Standard (Précision 10 micron) | 1.0-0.5 |
| OM32082 | | 1.5-1.0 |
| OM32073 | | 2.0-1.0 |
| OM32083 | | 2.5-2.0 |
| OM32074 | | 3.0-2.0 |
| OM32084 | | 3.5-2.5 |
| OM32075 | | 4.0-3.0 |
| OM32085 | | 4.5-3.5 |
| OM32076 | | 5.0-4.0 |
| OM32086 | | 5.5-4.5 |
| OM32077 | | 6.0-5.0 |
| OM32087 | | 6.5-5.5 |
| OM32078 | | 7.0-6.0 |
| OM32088 | | 7.5-6.5 |
| OM32079 | | 8.0-7.0 |
| OM32089 | | 8.5-7.5 |
| OM32080 | | 9.0-8.0 |
| OM32090 | | 9.5-8.5 |
| OM32081 | | 10.0-9.0 |
| OM33034* | | 10.5-10.3 |
| OM33035* | 11.0-10.8 | |
| OM33036* | 11.5-11.3 | |
| OM33037* | 12.0-11.8 | |

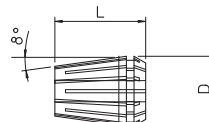
* Pincés de diamètre supérieur à 10mm ont une longueur L plus courtes

PINCES ER16 ULTRA PRECISION



- Pincés ER Ultra Précision
- (Précision <math><5\mu</math>)
- Plage de Serrage 1,0 - 10,0 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32110 | Pincés ER16 Ultra Précision (Précision 5 micron) | 1.0-0.5 |
| OM32111 | | 1.5-1.0 |
| OM32112 | | 2.0-1.0 |
| OM32113 | | 2.5-2.0 |
| OM32114 | | 3.0-2.0 |
| OM32115 | | 3.5-2.5 |
| OM32116 | | 4.0-3.0 |
| OM32117 | | 4.5-3.5 |
| OM32118 | | 5.0-4.0 |
| OM32119 | | 5.5-4.5 |
| OM32120 | | 6.0-5.0 |
| OM32121 | | 6.5-5.5 |
| OM32122 | | 7.0-6.0 |
| OM32123 | | 7.5-6.5 |
| OM32124 | | 8.0-7.0 |
| OM32125 | | 8.5-7.5 |
| OM32126 | | 9.0-8.0 |
| OM32127 | | 9.5-8.5 |
| OM32128 | | 10.0-9.0 |



| | |
|------------------|--------------|
| D | 17mm |
| L | 27.5mm |
| Plage de Serrage | 1.0 - 10.0mm |

PINCES ER20 STANDARD



- Pincés ER Standard
- (Précision <math><10\mu</math>)
- Plage de Serrage 1,0 - 16,0 mm

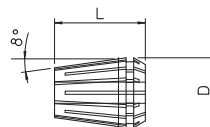
| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32144 | Pincés ER20 Standard (Précision 10 micron) | 1.0-0.5 |
| OM32145 | | 1.5-1.0 |
| OM32132 | | 2.0-1.5 |
| OM32146 | | 2.5-2.0 |
| OM32133 | | 3.0-2.5 |
| OM32147 | | 3.5-2.5 |
| OM32134 | | 4.0-3.0 |
| OM32148 | | 4.5-3.5 |
| OM32135 | | 5.0-4.0 |
| OM32136 | | 6.0-5.0 |
| OM32137 | | 7.0-6.0 |
| OM32138 | | 8.0-7.0 |
| OM32139 | | 9.0-8.0 |
| OM32140 | | 10.0-9.0 |
| OM32141 | | 11.0-10.0 |
| OM32142 | | 12.0-11.0 |
| OM32143 | | 13.0-12.0 |
| OM33038* | | 13.5-13.3 |
| OM33039* | | 14.0-13.8 |
| OM33040* | | 14.5-14.3 |
| OM33041* | 15.0-14.8 | |
| OM33042* | 15.5-15.3 | |
| OM33043* | 16.0-15.8 | |

PINCES ER20 ULTRA PRECISION



- Pincés ER Ultra Précision
- (Précision <math><5\mu</math>)
- Plage de Serrage 1,0 - 13,0 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32166 | Pincés ER20 Ultra Précision (Précision 5 micron) | 1.0-0.5 |
| OM32167 | | 1.5-1.0 |
| OM32168 | | 2.0-1.0 |
| OM32169 | | 2.5-2.0 |
| OM32170 | | 3.0-2.5 |
| OM32171 | | 3.5-2.5 |
| OM32172 | | 4.0-3.0 |
| OM32173 | | 4.5-3.5 |
| OM32174 | | 5.0-4.0 |
| OM32175 | | 6.0-5.0 |
| OM32176 | | 7.0-6.0 |
| OM32177 | | 8.0-7.0 |
| OM32178 | | 9.0-8.0 |
| OM32179 | | 10.0-9.0 |
| OM32180 | | 11.0-10.0 |
| OM32181 | | 12.0-11.0 |
| OM32182 | 13.0-12.0 | |



| | |
|------------------|---------------|
| D | 21 mm |
| L | 31.5 mm |
| Plage de Serrage | 1.0 - 16.0 mm |

* Pincés de diamètre supérieur à 13mm ont une longueur L plus courtes

PINCES ER25 STANDARD



- Pincés ER Standard
- (Précision <math><10\mu</math>)
- Plage de Serrage 1,0 - 20,0 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32186 | Pincés ER25 Standard (Précision 10 micron) | 1.0-0.5 |
| OM32202 | | 1.5-1.0 |
| OM32187 | | 2.0-1.0 |
| OM32203 | | 2.5-2.0 |
| OM32188 | | 3.0-2.5 |
| OM32204 | | 3.5-2.5 |
| OM32189 | | 4.0-3.0 |
| OM32205 | | 4.5-3.5 |
| OM32190 | | 5.0-4.0 |
| OM32191 | | 6.0-5.0 |
| OM32192 | | 7.0-6.0 |
| OM32193 | | 8.0-7.0 |
| OM32194 | | 9.0-8.0 |
| OM32195 | | 10.0-9.0 |
| OM32196 | | 11.0-10.0 |
| OM32197 | | 12.0-11.0 |
| OM32198 | | 13.0-12.0 |
| OM32199 | | 14.0-13.0 |
| OM32200 | | 15.0-14.0 |
| OM32201 | | 16.0-15.0 |
| OM33044* | | 16.5-16.3 |
| OM33045* | | 17.0-16.8 |
| OM33046* | | 17.5-17.3 |
| OM33047* | | 18.0-17.8 |
| OM33048* | | 18.5-18.3 |
| OM33049* | | 19.0-18.8 |
| OM33050* | | 19.5-19.3 |
| OM33051* | | 20.0-19.8 |

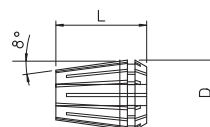
* Pincés de diamètre supérieur à 16mm ont une longueur L plus courtes

PINCES ER25 ULTRA PRECISION



- Pincés ER Ultra Précision
- (Précision <math><5\mu</math>)
- Plage de Serrage 1,0 - 16,0 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32226 | Pincés ER25 Ultra Précision (Précision 5 micron) | 1.0-0.5 |
| OM32227 | | 1.5-1.0 |
| OM32228 | | 2.0-1.0 |
| OM32229 | | 2.5-2.0 |
| OM32230 | | 3.0-2.5 |
| OM32231 | | 3.5-2.5 |
| OM32232 | | 4.0-3.0 |
| OM32233 | | 4.5-3.5 |
| OM32234 | | 5.0-4.0 |
| OM32235 | | 6.0-5.0 |
| OM32236 | | 7.0-6.0 |
| OM32237 | | 8.0-7.0 |
| OM32238 | | 9.0-8.0 |
| OM32239 | | 10.0-9.0 |
| OM32240 | | 11.0-10.0 |
| OM32241 | | 12.0-11.0 |
| OM32242 | | 13.0-12.0 |
| OM32243 | | 14.0-13.0 |
| OM32244 | | 15.0-14.0 |
| OM32245 | | 16.0-15.0 |



| | |
|------------------|--------------|
| D | 26mm |
| L | 34mm |
| Plage de Serrage | 1.0 - 16.0mm |

PINCES ER32 STANDARD



- Pincés ER Standard
- (Précision <math><10\mu</math>)
- Plage de Serrage 1,0 - 25,0 mm

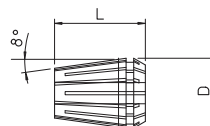
| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM32268 | Pincés ER32 Standard (Précision 10 micron) | 1.0-0.5 |
| OM32269 | | 1.5-1.0 |
| OM32249 | | 2.0-1.5 |
| OM32270 | | 2.5-2.0 |
| OM32250 | | 3.0-2.0 |
| OM32271 | | 3.5-2.5 |
| OM32251 | | 4.0-3.0 |
| OM32272 | | 4.5-3.5 |
| OM32252 | | 5.0-4.0 |
| OM32253 | | 6.0-5.0 |
| OM32254 | | 7.0-6.0 |
| OM32255 | | 8.0-7.0 |
| OM32256 | | 9.0-8.0 |
| OM32257 | | 10.0-9.0 |
| OM32258 | | 11.0-10.0 |
| OM32259 | | 12.0-11.0 |
| OM32260 | | 13.0-12.0 |
| OM32261 | | 14.0-13.0 |
| OM32262 | | 15.0-14.0 |
| OM32263 | | 16.0-15.0 |
| OM32264 | | 17.0-16.0 |
| OM32265 | | 18.0-17.0 |
| OM32266 | | 19.0-18.0 |
| OM32267 | | 20.0-19.0 |
| OM33052* | | 21.0-20.8 |
| OM33053* | 22.0-21.8 | |
| OM33054* | 23.0-22.8 | |
| OM33055* | 24.0-23.8 | |
| OM32273* | 25.0-24.0 | |

PINCES ER32 ULTRA PRECISION



- Pincés ER Ultra Précision
- (Précision <math><5\mu</math>)
- Plage de Serrage 1,0 - 20,0 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM32299 | Pincés ER32 Ultra Précision (Précision 5 micron) | 1.0-0.5 |
| OM32300 | | 1.5-1.0 |
| OM32301 | | 2.0-1.5 |
| OM32302 | | 2.5-2.0 |
| OM32303 | | 3.0-2.5 |
| OM32304 | | 3.5-2.5 |
| OM32305 | | 4.0-3.0 |
| OM32306 | | 4.5-3.5 |
| OM32307 | | 5.0-4.0 |
| OM32308 | | 6.0-5.0 |
| OM32309 | | 7.0-6.0 |
| OM32310 | | 8.0-7.0 |
| OM32311 | | 9.0-8.0 |
| OM32312 | | 10.0-9.0 |
| OM32313 | | 11.0-10.0 |
| OM32314 | | 12.0-11.0 |
| OM32315 | | 13.0-12.0 |
| OM32316 | | 14.0-13.0 |
| OM32317 | | 15.0-14.0 |
| OM32318 | | 16.0-15.0 |
| OM32319 | | 17.0-16.0 |
| OM32320 | | 18.0-17.0 |
| OM32321 | 19.0-18.0 | |
| OM32322 | 20.0-19.0 | |



| | |
|------------------|--------------|
| D | 33mm |
| L | 40mm |
| Plage de Serrage | 1.0 - 20.0mm |

* Pincés de diamètre supérieur à 20mm ont une longueur L plus courtes

PINCES ER40 STANDARD



- Pincas ER Standard
- (Précision <math><10\mu</math>)
- Plage de Serrage 2,0 - 32,0 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32351 | Pincas ER40 Standard (Précision 10 micron) | 2.0-1.5 |
| OM32352 | | 2.5-2.0 |
| OM32327 | | 3.0-2.0 |
| OM32353 | | 3.5-2.5 |
| OM32328 | | 4.0-3.0 |
| OM32354 | | 4.5-3.5 |
| OM32329 | | 5.0-4.0 |
| OM32330 | | 6.0-5.0 |
| OM32331 | | 7.0-6.0 |
| OM32332 | | 8.0-7.0 |
| OM32333 | | 9.0-8.0 |
| OM32334 | | 10.0-9.0 |
| OM32335 | | 11.0-10.0 |
| OM32336 | | 12.0-11.0 |
| OM32337 | | 13.0-12.0 |
| OM32338 | | 14.0-13.0 |
| OM32339 | | 15.0-14.0 |
| OM32340 | | 16.0-15.0 |
| OM32341 | | 17.0-16.0 |
| OM32342 | | 18.0-17.0 |
| OM32343 | | 19.0-18.0 |
| OM32344 | | 20.0-19.0 |
| OM32345 | | 21.0-20.0 |
| OM32346 | | 22.0-21.0 |
| OM32347 | | 23.0-22.0 |
| OM32348 | | 24.0-23.0 |
| OM32349 | | 25.0-24.0 |
| OM32350 | | 26.0-25.0 |
| OM33056* | | 27.0-26.8 |
| OM33057* | | 28.0-27.8 |
| OM33058* | | 29.0-28.8 |
| OM32355* | | 30.0-29.8 |
| OM33060* | 31.0-30.8 | |
| OM32356* | 32.0-31.8 | |

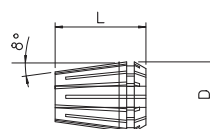
* Pincas de diamètre supérieur à 26mm ont une longueur L plus courtes

PINCES ER40 ULTRA PRECISION



- Pincas ER Ultra Précision
- (Précision <math><5\mu</math>)
- Plage de Serrage 2,0 - 32,0 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32387 | Pincas ER40 Ultra Précision (Précision 5 micron) | 2.0-1.5 |
| OM32388 | | 2.5-2.0 |
| OM32389 | | 3.0-2.5 |
| OM32390 | | 3.5-2.5 |
| OM32391 | | 4.0-3.0 |
| OM32392 | | 4.5-3.5 |
| OM32393 | | 5.0-4.0 |
| OM32394 | | 6.0-5.0 |
| OM32395 | | 7.0-6.0 |
| OM32396 | | 8.0-7.0 |
| OM32397 | | 9.0-8.0 |
| OM32398 | | 10.0-9.0 |
| OM32399 | | 11.0-10.0 |
| OM32400 | | 12.0-11.0 |
| OM32401 | | 13.0-12.0 |
| OM32402 | | 14.0-13.0 |
| OM32403 | | 15.0-14.0 |
| OM32404 | | 16.0-15.0 |
| OM32405 | | 17.0-16.0 |
| OM32406 | | 18.0-17.0 |
| OM32407 | | 19.0-18.0 |
| OM32408 | | 20.0-19.0 |
| OM32409 | | 21.0-20.0 |
| OM32410 | | 22.0-21.0 |
| OM32411 | | 23.0-22.0 |
| OM32412 | | 24.0-23.0 |
| OM32413 | | 25.0-24.0 |
| OM32414 | | 26.0-25.0 |
| OM32415* | | 30.0-29.8 |
| OM32416* | | 32.0-31.0 |



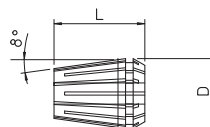
| | |
|------------------|--------------|
| D | 41mm |
| L | 46mm |
| Plage de Serrage | 2.0 - 26.0mm |

PINCES ER50 STANDARD

- Pincas ER Standard
- (Précision 10μ)
- Plage de Serrage 12,0 - 40,0 mm



| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM32420 | Pincas ER50 Standard (Précision 10 micron) | 12.0-10.0 |
| OM32421 | | 14.0-12.0 |
| OM32422 | | 16.0-14.0 |
| OM32423 | | 18.0-16.0 |
| OM32424 | | 20.0-18.0 |
| OM32425 | | 22.0-20.0 |
| OM32426 | | 24.0-22.0 |
| OM32427 | | 25.0-23.0 |
| OM32428 | | 26.0-24.0 |
| OM32429 | | 28.0-26.0 |
| OM32430 | | 30.0-28.0 |
| OM32431 | | 32.0-30.0 |
| OM32432 | | 34.0-32.0 |
| OM33062* | | 36.0-35.8 |
| OM33063* | | 38.0-37.8 |
| OM33064* | | 40.0-38.8 |



| | |
|------------------|---------------|
| D | 52mm |
| L | 460mm |
| Plage de Serrage | 12.0 - 34.0mm |

* Pincas de diamètre supérieur à 34mm ont une longueur L plus courtes

PINCES ETANCHES ER16 STANDARD

- (Précision <10 μ)
- Etanchéité par membrane Caoutchouc
- Plage de Serrage 3 - 10 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM32462 | ER16 Pince Etanche Standard (Précision <10 μ) | 3 |
| OM32463 | | 4 |
| OM32464 | | 5 |
| OM32465 | | 6 |
| OM32466 | | 7 |
| OM32467 | | 8 |
| OM32468 | | 9 |
| OM32469 | | 10 |



PINCES ETANCHES ER20 STANDARD

- (Précision <10 μ)
- Etanchéité par membrane Caoutchouc
- Plage de Serrage 3 - 13 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM32489 | ER20 Pince Etanche Standard (Précision <10 μ) | 3 |
| OM32490 | | 4 |
| OM32491 | | 5 |
| OM32492 | | 6 |
| OM32493 | | 7 |
| OM32494 | | 8 |
| OM32495 | | 9 |
| OM32496 | | 10 |
| OM32497 | | 11 |
| OM32498 | | 12 |
| OM32499 | | 13 |



PINCES ETANCHES ER25 STANDARD

- Précision <math><10\mu</math>
- Etanchéité par membrane Caoutchouc
- Plage de Serrage 3 - 16 mm



| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32525 | ER25 Pince Etanche Standard (Précision <math><10\mu</math>) | 3 |
| OM32526 | | 4 |
| OM32527 | | 5 |
| OM32528 | | 6 |
| OM32529 | | 7 |
| OM32530 | | 8 |
| OM32531 | | 9 |
| OM32532 | | 10 |
| OM32533 | | 11 |
| OM32534 | | 12 |
| OM32535 | | 13 |
| OM32536 | | 14 |
| OM32537 | | 15 |
| OM32538 | | 16 |

PINCES ETANCHES ER32 STANDARD

- (Précision <math><10\mu</math>)
- Etanchéité par membrane Caoutchouc
- Plage de Serrage 3 - 20 mm



| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32570 | ER32 Pince Etanche Standard (Précision <math><10\mu</math>) | 3 |
| OM32571 | | 4 |
| OM32572 | | 5 |
| OM32573 | | 6 |
| OM32574 | | 7 |
| OM32575 | | 8 |
| OM32576 | | 9 |
| OM32577 | | 10 |
| OM32578 | | 11 |
| OM32579 | | 12 |
| OM32580 | | 13 |
| OM32581 | | 14 |
| OM32582 | | 15 |
| OM32583 | | 16 |
| OM32584 | | 17 |
| OM32585 | | 18 |
| OM32586 | | 19 |
| OM32587 | | 20 |

PINCES ETANCHES ER40 STANDARD

- (Précision <math><10\mu</math>)
- Etanchéité par membrane Caoutchouc
- Plage de Serrage 3 - 26 mm



| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM32627 | ER40 Pince Etanche Standard (Précision <math><10\mu</math>) | 3 |
| OM32628 | | 4 |
| OM32629 | | 5 |
| OM32630 | | 6 |
| OM32631 | | 7 |
| OM32632 | | 8 |
| OM32633 | | 9 |
| OM32634 | | 10 |
| OM32635 | | 11 |
| OM32636 | | 12 |
| OM32637 | | 13 |
| OM32638 | | 14 |
| OM32639 | | 15 |
| OM32640 | | 16 |
| OM32641 | | 17 |
| OM32642 | | 18 |
| OM32643 | | 19 |
| OM32644 | | 20 |
| OM32645 | | 21 |
| OM32646 | | 22 |
| OM32647 | | 23 |
| OM32648 | | 24 |
| OM32649 | | 25 |
| OM32650 | | 26 |

PINCES ETANCHES HAUTE PRESSION ER11 PINCES ETANCHES POUR LUBRIFICATION

- (Précision <10 μ)
- Etanchéité mécanique pression Maxi 120 bars
- Plage de Serrage 3 - 7 mm



| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM33604 | ER11 Pince Etanche Haute Pression (Précision <10 μ) | 3 |
| OM33605 | | 4 |
| OM33606 | | 4.5 |
| OM33607 | | 5 |
| OM33608 | | 5.5 |
| OM33609 | | 6 |
| OM33610 | | 6.5 |
| OM33611 | | 7 |

PINCES ETANCHES HAUTE PRESSION ER16 PINCES ETANCHES POUR LUBRIFICATION

- (Précision <10 μ)
- Etanchéité mécanique pression Maxi 120 bars
- Plage de Serrage 3 - 10 mm



| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM33500 | ER16 Pince Etanche Haute Pression (Précision <10 μ) | 3 |
| OM33501 | | 4 |
| OM33502 | | 5 |
| OM33503 | | 6 |
| OM33504 | | 7 |
| OM33505 | | 8 |
| OM33506 | | 9 |
| OM33507 | | 10 |

PINCES ETANCHES HAUTE PRESSION ER20 PINCES ETANCHES POUR LUBRIFICATION

- (Précision <10μ)
- Etanchéité mécanique pression Maxi 120 bars
- Plage de Serrage 3 - 13 mm



| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM33508 | ER20 Pince Etanche Haute Pression (Précision <10μ) | 3 |
| OM33509 | | 4 |
| OM33510 | | 5 |
| OM33511 | | 6 |
| OM33512 | | 7 |
| OM33513 | | 8 |
| OM33514 | | 9 |
| OM33515 | | 10 |
| OM33516 | | 11 |
| OM33517 | | 12 |
| OM33518 | | 13 |

PINCES ETANCHES HAUTE PRESSION ER25 PINCES ETANCHES POUR LUBRIFICATION

- (Précision <10μ)
- Etanchéité mécanique pression Maxi 120 bars
- Plage de Serrage 3 - 16 mm



| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM33519 | ER25 Pince Etanche Haute Pression (Précision <10μ) | 3 |
| OM33520 | | 4 |
| OM33521 | | 5 |
| OM33522 | | 6 |
| OM33523 | | 7 |
| OM33524 | | 8 |
| OM33525 | | 9 |
| OM33526 | | 10 |
| OM33527 | | 11 |
| OM33528 | | 12 |
| OM33529 | | 13 |
| OM33530 | | 14 |
| OM33531 | | 15 |
| OM33532 | | 16 |

PINCES ETANCHES ER32

PINCES ETANCHES POUR LUBRIFICATION



- (Précision <math><10\mu</math>)
- Etanchéité mécanique pression Maxi 120 bars
- Plage de Serrage 3 - 20 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM33533 | ER32 Pince Etanche Haute Pression (Précision <math><10\mu</math>) | 3 |
| OM33534 | | 4 |
| OM33535 | | 5 |
| OM33536 | | 6 |
| OM33537 | | 7 |
| OM33538 | | 8 |
| OM33539 | | 9 |
| OM33540 | | 10 |
| OM33541 | | 11 |
| OM33542 | | 12 |
| OM33543 | | 13 |
| OM33544 | | 14 |
| OM33545 | | 15 |
| OM33546 | | 16 |
| OM33547 | | 17 |
| OM33548 | | 18 |
| OM33549 | | 19 |
| OM33550 | | 20 |

PINCES ETANCHES ER40

PINCES ETANCHES POUR LUBRIFICATION



- (Précision <math><10\mu</math>)
- Etanchéité mécanique pression Maxi 120 bars
- Plage de Serrage 3 - 26 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM33551 | ER40 Pince Etanche Haute Pression (Précision <math><10\mu</math>) | 3 |
| OM33552 | | 4 |
| OM33553 | | 5 |
| OM33554 | | 6 |
| OM33555 | | 7 |
| OM33556 | | 8 |
| OM33557 | | 9 |
| OM33558 | | 10 |
| OM33559 | | 11 |
| OM33560 | | 12 |
| OM33561 | | 13 |
| OM33562 | | 14 |
| OM33563 | | 15 |
| OM33564 | | 16 |
| OM33565 | | 17 |
| OM33566 | | 18 |
| OM33567 | | 19 |
| OM33568 | | 20 |
| OM33569 | | 21 |
| OM33570 | | 22 |
| OM33571 | | 23 |
| OM33572 | | 24 |
| OM33573 | | 25 |
| OM33574 | | 26 |

ER16 PINCES ÉTANCHES AVEC TROU DE LUB. PINCES ÉTANCHES AVEC TROU DE LUB.

- (Précision <math><10\mu</math>)
- Trou de lub frontaux sur les pinces
- Pour outils sans trou de lub.
- Plage de Serrage 3 - 10 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM36300 | ER16 Pince avec trou de lub. (Précision <math><10\mu</math>) | 3 |
| OM36301 | | 4 |
| OM36302 | | 5 |
| OM36303 | | 6 |
| OM36304 | | 7 |
| OM36305 | | 8 |
| OM36306 | | 9 |
| OM36307 | | 10 |



ER20 PINCES ÉTANCHES AVEC TROU DE LUB. PINCES ÉTANCHES AVEC TROU DE LUB.

- (Précision <math><10\mu</math>)
- Trou de lub frontaux sur les pinces
- Pour outils sans trou de lub.
- Plage de Serrage 3 - 13 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|---|-----------------------|
| OM36308 | ER20 Pince avec trou de lub. (Précision <math><10\mu</math>) | 3 |
| OM36309 | | 4 |
| OM36310 | | 5 |
| OM36311 | | 6 |
| OM36312 | | 7 |
| OM36313 | | 8 |
| OM36314 | | 9 |
| OM36315 | | 10 |
| OM36316 | | 11 |
| OM36317 | | 12 |
| OM36318 | | 13 |



ER25 PINCES ÉTANCHES AVEC TROU DE LUB. PINCES ÉTANCHES AVEC TROU DE LUB.

- (Précision <10µ)
- Trou de lub frontaux sur les pinces
- Pour outils sans trou de lub.
- Plage de Serrage 3 - 16 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM36319 | ER25 Pince avec trou de lub. (Précision <10µ) | 3 |
| OM36320 | | 4 |
| OM36321 | | 5 |
| OM36322 | | 6 |
| OM36323 | | 7 |
| OM36324 | | 8 |
| OM36325 | | 9 |
| OM36326 | | 10 |
| OM36327 | | 11 |
| OM36328 | | 12 |
| OM36329 | | 13 |
| OM36330 | | 14 |
| OM36331 | | 15 |
| OM36332 | | 16 |



ER32 PINCES ÉTANCHES AVEC TROU DE LUB. PINCES ÉTANCHES AVEC TROU DE LUB.

- (Précision <10µ)
- Trou de lub frontaux sur les pinces
- Pour outils sans trou de lub.
- Plage de Serrage 3 - 20 mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM36333 | ER32 Pince avec trou de lub. (Précision <10µ) | 3 |
| OM36334 | | 4 |
| OM36335 | | 5 |
| OM36336 | | 6 |
| OM36337 | | 7 |
| OM36338 | | 8 |
| OM36339 | | 9 |
| OM36340 | | 10 |
| OM36341 | | 11 |
| OM36342 | | 12 |
| OM36343 | | 13 |
| OM36344 | | 14 |
| OM36345 | | 15 |
| OM36346 | | 16 |
| OM36347 | | 17 |
| OM36348 | | 18 |
| OM36349 | | 19 |
| OM36350 | 20 | |

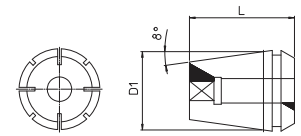


PINCES ER

PINCES DE TARAUDAGE ER16 PINCES DE TARAUDAGE AVEC CARRÉ ARRIÈRE

- $<10\mu$ accuracy = (Precision $<10\mu$)

| Code Article | Description | Ø de queue (mm) | Carré (mm) |
|--------------|---|-----------------|------------|
| OM32903 | Pince de Taraudage ER16 (Précision <10 microns) | 2.8 | 2.1 |
| OM32997 | | 3 | 2.5 |
| OM32904 | | 3.5 | 2.7 |
| OM32998 | | 4 | 3 |
| OM32905 | | 4 | 3.15/3.2 |
| OM32906 | | 4.5 | 3.4 |
| OM32907 | | 5 | 4 |
| OM32908 | | 5.5 | 4.3 |
| OM33000 | | 6 | 4.5 |
| OM32909 | | 6 | 4.9 |
| OM32999 | | 6.2 | 5 |
| OM32910 | | 6.3 | 5 |
| OM32911 | | 7 | 5.5 |
| OM32912 | | 8 | 6.2/6.3 |

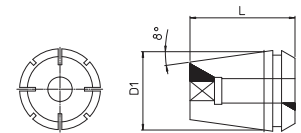


| | |
|---|--------|
| D | 16.5mm |
| L | 27.5mm |

PINCES DE TARAUDAGE ER20 PINCES DE TARAUDAGE AVEC CARRÉ ARRIÈRE

- (Précision $<10\mu$)

| Code Article | Description | Ø de queue (mm) | Carré (mm) |
|--------------|---|-----------------|------------|
| OM32913 | Pince de Taraudage ER20 (Précision <10 microns) | 3.5 | 2.7 |
| OM32914 | | 4 | 3.15/3.2 |
| OM32915 | | 4.5 | 3.4 |
| OM32916 | | 5 | 4 |
| OM32917 | | 5.5 | 4.3 |
| OM32918 | | 6 | 4.9 |
| OM32919 | | 6.3 | 5 |
| OM32920 | | 7 | 5.5 |
| OM32921 | | 8 | 6.2/6.3 |
| OM32922 | | 9 | 7.0/7.1 |
| OM32923 | | 10 | 8 |
| OM32924 | | 11 | 9 |
| OM32925 | | 12 | 9 |



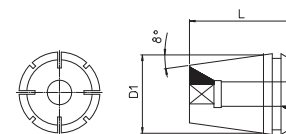
| | |
|---|--------|
| D | 20.5mm |
| L | 32.5mm |

PINCES DE TARAUDAGE ER25

PINCES DE TARAUDAGE AVEC CARRÉ ARRIÈRE

- (Précision <10μ)

| Code Article | Description | Ø de queue (mm) | Carré (mm) |
|--------------|---|-----------------|------------|
| OM32939 | Pince de Taraudage ER25 (Précision <10 microns) | 3.5 | 2.7 |
| OM33002 | | 4 | 3 |
| OM32940 | | 4 | 3.15/3.2 |
| OM32941 | | 4.5 | 3.4 |
| OM32942 | | 5 | 4 |
| OM32943 | | 5.5 | 4.3 |
| OM33004 | | 6 | 4.5 |
| OM32944 | | 6 | 4.9 |
| OM33003 | | 6.2 | 5 |
| OM32945 | | 6.3 | 5 |
| OM32946 | | 7 | 5.5 |
| OM32947 | | 8 | 6.2/6.3 |
| OM33005 | | 8.5 | 6.5 |
| OM32948 | | 9 | 7.0/7.1 |
| OM32949 | | 10 | 8 |
| OM33001 | | 10.5 | 8 |
| OM32950 | | 11 | 9 |
| OM32951 | | 12 | 9 |
| OM32952 | | 12.5 | 10 |
| OM32953 | | 14 | 11.0/11.2 |
| OM32954 | 16 | 12 | |



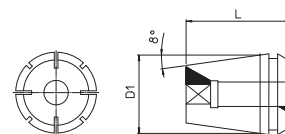
| | |
|---|--------|
| D | 25.5mm |
| L | 34mm |

PINCES DE TARAUDAGE ER32

PINCES DE TARAUDAGE AVEC CARRÉ ARRIÈRE

- (Précision <10 μ)

| Code Article | Description | Ø de queue (mm) | Carré (mm) |
|--------------|---|-----------------|------------|
| OM32955 | Pince de Taraudage ER32 (Précision <10 microns) | 3.5 | 2.7 |
| OM32956 | | 4 | 3.15/3.2 |
| OM32957 | | 4.5 | 3.4 |
| OM32958 | | 5 | 4 |
| OM32959 | | 5.5 | 4.3 |
| OM33007 | | 6 | 4.5 |
| OM32960 | | 6 | 4.9 |
| OM32961 | | 6.3 | 5 |
| OM32962 | | 7 | 5.5 |
| OM32963 | | 8 | 6.2/6.3 |
| OM33008 | | 8.5 | 6.5 |
| OM32964 | | 9 | 7.0/7.1 |
| OM32965 | | 10 | 8 |
| OM33006 | | 10.5 | 8 |
| OM32966 | | 11 | 9 |
| OM32967 | | 12 | 9 |
| OM32968 | | 12.5 | 10 |
| OM32969 | | 14 | 11.0/11.2 |
| OM32970 | | 16 | 12 |
| OM32971 | | 18 | 14.0/14.5 |
| OM32972 | 20 | 16 | |



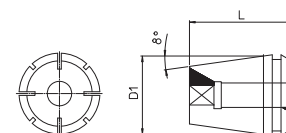
| | |
|---|--------|
| D | 32.5mm |
| L | 40mm |

PINCES DE TARAUDAGE ER40

PINCES DE TARAUDAGE AVEC CARRÉ ARRIÈRE

- (Précision <10μ)

| Code Article | Description | Ø de queue (mm) | Carré (mm) |
|--------------|---|-----------------|------------|
| OM32973 | Pince de Taraudage ER40 (Précision <10 microns) | 4 | 3.15/3.2 |
| OM32974 | | 4.5 | 3.4 |
| OM32975 | | 5 | 4 |
| OM32976 | | 5.5 | 4.3 |
| OM32977 | | 6 | 4.9 |
| OM32978 | | 6.3 | 5 |
| OM32979 | | 7 | 5.5 |
| OM32980 | | 8 | 6.2/6.3 |
| OM32981 | | 9 | 7.0/7.1 |
| OM32982 | | 10 | 8 |
| OM32983 | | 11 | 9 |
| OM32984 | | 12 | 9 |
| OM32985 | | 12.5 | 10 |
| OM32986 | | 14 | 11.0/11.2 |
| OM32987 | | 16 | 12 |
| OM32988 | | 18 | 14.0/14.5 |
| OM32989 | | 20 | 16 |
| OM32990 | | 22 | 18 |
| OM32991 | | 25 | 20 |



| | |
|---|--------|
| D | 40.5mm |
| L | 46mm |

PINCES ER8 IMPERIAL CÔTES EN POUCE PLAGE DE SERRAGE 1/16" - 3/16"

- (Précision <math><10\mu</math>)

| Code Article | Description | Plage de Serrage |
|--------------|---|------------------|
| OM32702 | Pince Standard ER8 (Précision 10 μ) | 1/16" |
| OM32703 | | 1/8" |
| OM32704 | | 3/16" |



PINCES ER11 IMPERIAL CÔTES EN POUCE PLAGE DE SERRAGE 1/16" - 1/4"

- Pince Standard ER11 (Précision 10 μ)

| Code Article | Description | Plage de Serrage |
|--------------|--|------------------|
| OM32711 | ER11 Standard Collet (10 micron accuracy) | 1/16" |
| OM32712 | | 1/8" |
| OM32713 | | 3/16" |
| OM32714 | | 1/4" |



PINCES ER16 IMPERIAL CÔTES EN POUCE PLAGE DE SERRAGE 1/16" - 3/8"

- (Précision <math><10\mu</math>)

| Code Article | Description | Plage de Serrage |
|--------------|--|------------------|
| OM32723 | Pince Standard ER16 (Précision 10 μ) | 1/16" |
| OM32724 | | 1/8" |
| OM32725 | | 3/16" |
| OM32726 | | 1/4" |
| OM32727 | | 5/16" |
| OM32728 | | 3/8" |



PINCES ER20 IMPERIAL CÔTES EN POUCE PLAGE DE SERRAGE 1/16" - 1/2"

- (Précision <math><10\mu</math>)

| Code Article | Description | Plage de Serrage |
|--------------|--|------------------|
| OM32741 | Pince Standard ER20 (Précision 10 μ) | 1/16" |
| OM32742 | | 1/8" |
| OM32743 | | 3/16" |
| OM32744 | | 1/4" |
| OM32745 | | 5/16" |
| OM32746 | | 3/8" |
| OM32747 | | 7/16" |
| OM32748 | | 1/2" |



PINCES ER25 IMPERIAL CÔTES EN POUCE PLAGE DE SERRAGE 1/16" - 5/8"

- (Précision 10μ)

| Code Article | Description | Plage de Serrage |
|--------------|--|------------------|
| OM32765 | Pince Standard ER25 (Précision 10 μ) | 1/16" |
| OM32766 | | 1/8" |
| OM32767 | | 3/16" |
| OM32768 | | 1/4" |
| OM32769 | | 5/16" |
| OM32770 | | 3/8" |
| OM32771 | | 7/16" |
| OM32772 | | 1/2" |
| OM32773 | | 9/16" |
| OM32774 | | 5/8" |



PINCES ER32 IMPERIAL CÔTES EN POUCE PLAGE DE SERRAGE 1/8" - 3/4"

- (Précision 10μ)

| Code Article | Description | Plage de Serrage |
|--------------|--|------------------|
| OM32795 | Pince Standard ER32 (Précision 10 μ) | 1/8" |
| OM32796 | | 3/16" |
| OM32797 | | 1/4" |
| OM32798 | | 5/16" |
| OM32799 | | 3/8" |
| OM32800 | | 7/16" |
| OM32801 | | 1/2" |
| OM32802 | | 9/16" |
| OM32803 | | 5/8" |
| OM32804 | | 11/16" |
| OM32805 | | 3/4" |



COFFRETS DE PINCES ER8

| Code Article | Description | Précision | Plage de serrage des Pincés |
|--------------|------------------------------|------------|-----------------------------|
| OM32027 | ER8 Coffrets Standards | <10 micron | 1 - 5mm (9 pcs) |
| OM32029 | ER8 Coffrets Ultra Precision | <5 micron | 1 - 5mm (9 pcs) |



COFFRETS DE PINCES ER11

| Code Article | Description | Précision | Plage de serrage des Pincés |
|--------------|---------------------------------------|------------|-----------------------------|
| OM32069 | ER11 Coffrets Standards | <10 micron | 1 - 7mm (13 pcs) |
| OM32071 | ER11 Coffrets Ultra Precision | <5 micron | 1 - 7mm (13 pcs) |
| OM33612 | ER11 Coffrets Etanches haute pression | <10 micron | 3 - 7mm (8 pcs) |



COFFRETS DE PINCES ER16

| Code Article | Description | Précision | Plage de serrage des Pincés |
|--------------|---------------------------------------|------------|-----------------------------|
| OM32129 | ER16 Coffrets Standards | <10 micron | 1 - 10mm (10 pcs) |
| OM32131 | ER16 Coffrets Ultra Precision | <5 micron | 1 - 10mm (10 pcs) |
| OM32486 | ER16 Coffrets Standard Etanche | <10 micron | 3 - 10mm (8 pcs) |
| OM33575 | ER16 Coffrets Etanches haute pression | <10 micron | 3 - 10mm (8 pcs) |
| OM32992 | ER16 Coffret de Pincés de Taraudage | <10 micron | (10 pcs) |



COFFRETS DE PINCES ER20

| Code Article | Description | Précision | Plage de serrage des Pincés |
|--------------|---------------------------------------|------------|-----------------------------|
| OM32183 | ER20 Coffrets Standards | <10 micron | 2 - 13mm (12 pcs) |
| OM32185 | ER20 Coffrets Ultra Precision | <5 micron | 2 - 13mm (12 pcs) |
| OM32522 | ER20 Coffrets Standard Etanche | <10 micron | 3 - 13mm (11 pcs) |
| OM33576 | ER20 Coffrets Etanches haute pression | <10 micron | 3 - 13mm (11 pcs) |
| OM32993 | ER20 Coffret de Pincés de Taraudage | <10 micron | (13 pcs) |



COFFRETS DE PINCES ER25

| Code Article | Description | Précision | Plage de serrage des Pinces |
|--------------|---------------------------------------|------------|-----------------------------|
| OM32246 | ER25 Coffrets Standards | <10 micron | 2 - 16mm (15 pcs) |
| OM32248 | ER25 Coffrets Ultra Precision | <5 micron | 2 - 16mm (15 pcs) |
| OM32567 | ER25 Coffrets Standard Etanche | <10 micron | 3 - 16mm (14 pcs) |
| OM33577 | ER25 Coffrets Etanches haute pression | <10 micron | 3 - 16mm (14 pcs) |
| OM32994 | ER25 Coffret de Pincas de Taraudage | <10 micron | (15 pcs) |



COFFRETS DE PINCES ER32

| Code Article | Description | Précision | Plage de serrage des Pinces |
|--------------|---------------------------------------|------------|-----------------------------|
| OM32324 | ER32 Coffrets Standards | <10 micron | 3 - 20mm (18 pcs) |
| OM32326 | ER32 Coffrets Ultra Precision | <5 micron | 3 - 20mm (18 pcs) |
| OM32624 | ER32 Coffrets Standard Etanche | <10 micron | 3 - 20mm (18 pcs) |
| OM33578 | ER32 Coffrets Etanches haute pression | <10 micron | 3 - 20mm (18 pcs) |
| OM32995 | ER32 Coffret de Pincas de Taraudage | <10 micron | (18 pcs) |



COFFRETS DE PINCES ER40

| Code Article | Description | Précision | Plage de serrage des Pincés |
|--------------|---------------------------------------|------------|-----------------------------|
| OM32417 | ER40 Coffrets Standards | <10 micron | 4 - 26mm (23 pcs) |
| OM32419 | ER40 Coffrets Ultra Precision | <5 micron | 4 - 26mm (23 pcs) |
| OM32699 | ER40 Coffrets Standard Etanche | <10 micron | 3 - 25mm (19 pcs) |
| OM33579 | ER40 Coffrets Etanches haute pression | <10 micron | 3 - 25mm (19 pcs) |
| OM32996 | ER40 Coffret de Pincés de Taraudage | <10 micron | (19 pcs) |



COFFRETS DE PINCES ER50

| Code Article | Description | Précision | Plage de serrage des Pincés |
|--------------|-------------------------|------------|-----------------------------|
| OM32459 | ER50 Coffrets Standards | <10 micron | 12 - 34mm (12 pcs) |



PINCES OZ 12

Pinces Standard



- (Précision <math><10\mu</math>)
- Plage de Serrage 1,0 - 12,0mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM33580 | Pince Standard OZ 12 (Précision <math><10\mu</math>) | 1 |
| OM33581 | | 1.5 |
| OM33582 | | 2 |
| OM33583 | | 2.5 |
| OM33584 | | 3 |
| OM33585 | | 3.5 |
| OM33586 | | 4 |
| OM33587 | | 4.5 |
| OM33588 | | 5 |
| OM33589 | | 5.5 |
| OM33590 | | 6 |
| OM33591 | | 6.5 |
| OM33592 | | 7 |
| OM33593 | | 7.5 |
| OM33594 | | 8 |
| OM33595 | | 8.5 |
| OM33596 | | 9 |
| OM33597 | | 9.5 |
| OM33598 | | 10 |
| OM33599 | | 10.5 |
| OM33600 | 11 | |
| OM33601 | 11.5 | |
| OM33602 | 12 | |

PINCES OZ 16

Pinces Standard



- (Précision <math><10\mu</math>)
- Plage de Serrage 2,0 - 16,0mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM30476 | Pince Standard OZ 16 (Précision <math><10\mu</math>) | 2 |
| OM30477 | | 3 |
| OM30478 | | 4 |
| OM30479 | | 5 |
| OM30480 | | 6 |
| OM30481 | | 7 |
| OM30482 | | 8 |
| OM30483 | | 9 |
| OM30484 | | 10 |
| OM30485 | | 11 |
| OM30486 | | 12 |
| OM30487 | | 13 |
| OM30488 | | 14 |
| OM30489 | | 15 |
| OM30490 | | 16 |

PINCES OZ 25

Pinces Standard



- (Précision <math><10\mu</math>)
- Plage de Serrage 2,0 - 25,0mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM31574 | Pince Standard OZ 25 (Précision <math><10\mu</math>) | 2 |
| OM31575 | | 3 |
| OM31576 | | 4 |
| OM31577 | | 5 |
| OM31578 | | 6 |
| OM31579 | | 7 |
| OM31580 | | 8 |
| OM31581 | | 9 |
| OM31582 | | 10 |
| OM31583 | | 11 |
| OM31584 | | 12 |
| OM31585 | | 13 |
| OM31586 | | 14 |
| OM31587 | | 15 |
| OM31588 | | 16 |
| OM31589 | | 17 |
| OM31590 | | 18 |
| OM31591 | | 19 |
| OM31592 | | 20 |
| OM31593 | | 21 |
| OM31594 | | 22 |
| OM31595 | | 23 |
| OM31596 | | 24 |
| OM31597 | | 25 |

PINCES OZ 32

Pinces Standard



- (Précision <math><10\mu</math>)
- Plage de Serrage 2,0 - 32,0mm

| Code Article | Description | Plage de Serrage (mm) |
|--------------|--|-----------------------|
| OM31598 | Pince Standard OZ 32 (Précision <math><10\mu</math>) | 3 |
| OM31599 | | 4 |
| OM31600 | | 5 |
| OM31601 | | 6 |
| OM31602 | | 7 |
| OM31603 | | 8 |
| OM31604 | | 9 |
| OM31605 | | 10 |
| OM31606 | | 11 |
| OM31607 | | 12 |
| OM31608 | | 13 |
| OM31609 | | 14 |
| OM31610 | | 15 |
| OM31611 | | 16 |
| OM31612 | | 17 |
| OM31613 | | 18 |
| OM31614 | | 19 |
| OM31615 | | 20 |
| OM31616 | | 21 |
| OM31617 | | 22 |
| OM31618 | | 23 |
| OM31619 | | 24 |
| OM31620 | | 25 |
| OM31621 | | 26 |
| OM31622 | | 27 |
| OM31623 | | 28 |
| OM31624 | | 29 |
| OM31625 | | 30 |
| OM31626 | | 31 |
| OM31627 | | 32 |

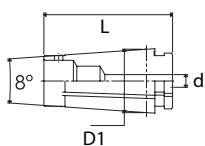
PINCES GSK 06

Pinces Ultra Precision



- (Précision $<5\mu$)
- Plage de Serrage 1,0 - 6,0 mm

| Code Article | Plage de Serrage (mm) |
|--------------|-----------------------|
| OM30500 | 1 |
| OM30501 | 1.5 |
| OM30502 | 2 |
| OM30503 | 2.5 |
| OM30504 | 3 |
| OM30505 | 3.5 |
| OM30506 | 4 |
| OM30507 | 4.5 |
| OM30508 | 5 |
| OM30509 | 5.5 |
| OM30510 | 6 |



| | |
|------------------|-------------|
| D | 10mm |
| L | 24.6mm |
| Plage de Serrage | 1.0 - 6.0mm |

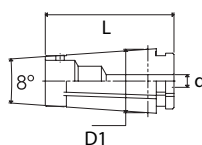
PINCES GSK 10

Pinces Ultra Precision



- (Précision $<5\mu$)
- Plage de Serrage 1,0 - 10,0 mm

| Code Article | Plage de Serrage (mm) |
|--------------|-----------------------|
| OM30511 | 1 |
| OM30512 | 1.5 |
| OM30513 | 2 |
| OM30514 | 2.5 |
| OM30515 | 3 |
| OM30516 | 3.5 |
| OM30517 | 4 |
| OM30518 | 4.5 |
| OM30519 | 5 |
| OM30520 | 5.5 |
| OM30521 | 6 |
| OM30522 | 6.5 |
| OM30523 | 7 |
| OM30524 | 7.5 |
| OM30525 | 8 |
| OM30526 | 8.5 |
| OM30527 | 9 |
| OM30528 | 9.5 |
| OM30529 | 10 |



| | |
|------------------|--------------|
| D | 15.5mm |
| L | 30.5mm |
| Plage de Serrage | 1.0 - 10.0mm |

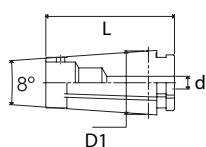
PINCES GSK 16

Pinces Ultra Precision



- (Précision <math><5\mu</math>)
- Plage de Serrage 1,0 - 16,0 mm

| Code Article | Plage de Serrage (mm) |
|--------------|-----------------------|
| OM30530 | 1 |
| OM30531 | 1.5 |
| OM30532 | 2 |
| OM30533 | 2.5 |
| OM30534 | 3 |
| OM30535 | 3.5 |
| OM30536 | 4 |
| OM30537 | 4.5 |
| OM30538 | 5 |
| OM30539 | 5.5 |
| OM30540 | 6 |
| OM30541 | 6.5 |
| OM30542 | 7 |
| OM30543 | 7.5 |
| OM30544 | 8 |
| OM30545 | 8.5 |
| OM30546 | 9 |
| OM30547 | 9.5 |
| OM30548 | 10 |
| OM30549 | 10.5 |
| OM30550 | 11 |
| OM30551 | 11.5 |
| OM30552 | 12 |
| OM30553 | 12.5 |
| OM30554 | 13 |
| OM30555 | 13.5 |
| OM30556 | 14 |
| OM30557 | 14.5 |
| OM30558 | 15 |
| OM30559 | 15.5 |
| OM30560 | 16 |



| | |
|------------------|--------------|
| D | 24.6mm |
| L | 45mm |
| Plage de Serrage | 1.0 - 16.0mm |

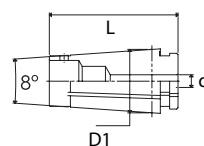
PINCES GSK 25

Pinces Ultra Precision



- (Précision <math><5\mu</math>)
- Plage de Serrage 1,0 - 25,0 mm

| Code Article | Plage de Serrage (mm) |
|--------------|-----------------------|
| OM30561 | 1 |
| OM30562 | 1.5 |
| OM30563 | 2 |
| OM30564 | 2.5 |
| OM30565 | 3 |
| OM30566 | 3.5 |
| OM30567 | 4 |
| OM30568 | 4.5 |
| OM30569 | 5 |
| OM30570 | 5.5 |
| OM30571 | 6 |
| OM30572 | 6.5 |
| OM30573 | 7 |
| OM30574 | 7.5 |
| OM30575 | 8 |
| OM30576 | 8.5 |
| OM30577 | 9 |
| OM30578 | 9.5 |
| OM30579 | 10 |
| OM30580 | 10.5 |
| OM30581 | 11 |
| OM30582 | 11.5 |
| OM30583 | 12 |
| OM30584 | 12.5 |
| OM30585 | 13 |
| OM30586 | 13.5 |
| OM30587 | 14 |
| OM30588 | 14.5 |
| OM30589 | 15 |
| OM30590 | 15.5 |
| OM30591 | 16 |
| OM30592 | 16.5 |
| OM30593 | 17 |
| OM30594 | 17.5 |
| OM30595 | 18 |
| OM30596 | 18.5 |
| OM30597 | 19 |
| OM30598 | 19.5 |
| OM30599 | 20 |
| OM30600 | 20.5 |
| OM30601 | 21 |
| OM30602 | 21.5 |
| OM30603 | 22 |
| OM30604 | 22.5 |
| OM30605 | 23 |
| OM30606 | 23.5 |
| OM30607 | 24 |
| OM30608 | 24.5 |
| OM30609 | 25 |

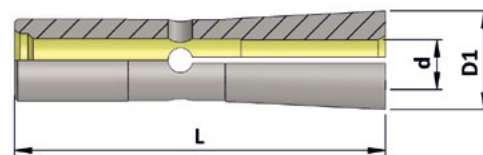


| | |
|------------------|--------------|
| D | 35mm |
| L | 57mm |
| Plage de Serrage | 1.0 - 16.0mm |

PINCES DMC

Pinces à Fixation Arrière Ultra Precision

- (Précision <math><5\mu</math>)
- Plage de Serrage 2.0 - 10.0mm



| Code Article | Description | Dimensions (mm) | | |
|--------------|-------------|----------------------|------|----|
| | | Plage de serrage (d) | D1 | L |
| OM30722 | DMC 06 | 2 | 9.6 | 36 |
| OM30723 | | 3 | 9.6 | 36 |
| OM30724 | | 4 | 9.6 | 36 |
| OM30725 | | 5 | 9.6 | 36 |
| OM30726 | | 6 | 9.6 | 36 |
| OM30728 | DMC 08 | 3 | 15 | 45 |
| OM30729 | | 4 | 15 | 45 |
| OM30731 | | 6 | 15 | 45 |
| OM30733 | | 8 | 15 | 45 |
| OM33676 | DMC 10 | 4 | 19.1 | 52 |
| OM33677 | | 6 | 19.1 | 52 |
| OM33678 | | 8 | 19.1 | 52 |
| OM33679 | | 10 | 19.1 | 52 |



PINCES CYLINDRIQUES

Pour Mandrin à Pinces à Fort Serrage

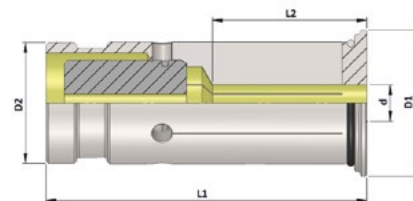
| Code Article | Description | Diam Exter (mm) | Plage de serrage (mm) |
|--------------|------------------------|-----------------|-----------------------|
| OM33009 | SC20 Pince Cylindrique | 20 | 6 |
| OM33010 | | | 8 |
| OM33011 | | | 10 |
| OM33012 | | | 12 |
| OM33013 | | | 16 |
| OM33014 | SC25 Pince Cylindrique | 25 | 6 |
| OM33015 | | | 8 |
| OM33016 | | | 10 |
| OM33017 | | | 12 |
| OM33018 | | | 16 |
| OM33019 | | | 20 |
| OM33020 | SC32 Pince Cylindrique | 32 | 6 |
| OM33021 | | | 8 |
| OM33022 | | | 10 |
| OM33023 | | | 12 |
| OM33024 | | | 16 |
| OM33025 | | | 20 |
| OM33026 | 25 | | |



DOUILLES DE RÉDUCTION POUR MANDRINS HYDRAULIQUES

Douilles Etanches RS Pour Mandrins à Expansion Hydraulique & Mandrin de fraisage haut de Gamme

- Concentricité 0.005mm
- Fentes découpé au fil pour garantir l'absence de fuite et une précision maximale

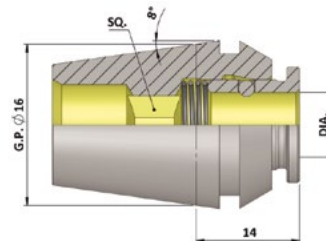


| Code Article | Description | Dimensions (mm) | | | | |
|--------------|---------------|-----------------|------|------|------|------|
| | | d | D1 | D2 | L1 | L2 |
| OM32214 | RS ETANCHE 12 | 3 | 16.5 | 12 | 48 | 15 |
| OM32215 | | 4 | 16.5 | 12 | 48 | 14 |
| OM32216 | | 5 | 16.5 | 12 | 48 | 18 |
| OM32217 | | 6 | 16.5 | 12 | 48 | 25 |
| OM32218 | | 8 | 16.5 | 12 | 48 | 26 |
| OM32219 | RS ETANCHE 20 | 3 | 29 | 20 | 52.5 | 14 |
| OM32220 | | 4 | 29 | 20 | 52.5 | 15 |
| OM32221 | | 5 | 29 | 20 | 52.5 | 18 |
| OM32222 | | 6 | 29 | 20 | 52.5 | 25 |
| OM32223 | | 7 | 29 | 20 | 52.5 | 25 |
| OM32224 | | 8 | 29 | 20 | 52.5 | 30 |
| OM32225 | | 9 | 29 | 20 | 52.5 | 30 |
| OM32274 | | 10 | 29 | 20 | 52.5 | 33 |
| OM32275 | | 11 | 29 | 20 | 52.5 | 33 |
| OM32276 | | 12 | 29 | 20 | 52.5 | 34 |
| OM32277 | | 13 | 29 | 20 | 52.5 | 34 |
| OM32278 | | 14 | 29 | 20 | 52.5 | 34 |
| OM32279 | | 15 | 29 | 20 | 52.5 | 40 |
| OM32280 | | 16 | 29 | 20 | 52.5 | 40 |
| OM32281 | | RS ETANCHE 32 | 6 | 39 | 32 | 63.5 |
| OM32282 | 8 | | 39 | 32 | 63.5 | 25 |
| OM32283 | 10 | | 39 | 32 | 63.5 | 33 |
| OM32284 | 12 | | 39 | 32 | 63.5 | 34 |
| OM32285 | 14 | | 39 | 32 | 63.5 | 34 |
| OM32286 | 16 | | 39 | 32 | 63.5 | 40 |
| OM32287 | 18 | | 39 | 32 | 63.5 | 40 |
| OM32288 | 20 | | 39 | 32 | 63.5 | 40 |
| OM32289 | 25 | 39 | 32 | 63.5 | 42 | |

PINCES DE TARAUDAGE ER À CHANGEMENT RAPIDE

Pinces Rigide QCTC-ER16

- Système de Déverrouillage Rapide
- Sans Compression & Extension
- Recommandé pour l'utilisation avec Mandrin de Taraudage Synchro MLC



Selon les normes (ISO) (529-1975) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|------|-------|
| OM32542 | QCTC ER16 (ISO) | 3.15 | 2.50 |
| OM32543 | | 3.55 | 2.80 |
| OM32544 | | 4.00 | 3.15 |
| OM32545 | | 4.50 | 3.55 |
| OM32546 | | 5.00 | 4.00 |
| OM32547 | | 5.60 | 4.50 |
| OM32548 | | 6.30 | 5.00 |

Selon les normes (DIN) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|------|-------|
| OM32549 | QCTC ER16 (DIN) | 3.50 | 2.70 |
| OM32550 | | 4.00 | 3.00 |
| OM32551 | | 4.50 | 3.40 |
| OM32552 | | 6.00 | 4.90 |

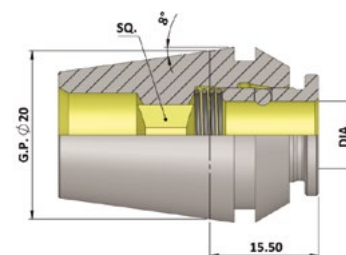
Selon les normes (JIS) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|------|-------|
| OM32550 | QCTC ER16 (JIS) | 4.00 | 3.00 |
| OM32568 | | 4.00 | 3.20 |
| OM32546 | | 5.00 | 4.00 |
| OM33098 | | 5.50 | 4.50 |
| OM32588 | | 6.00 | 4.50 |
| OM32589 | | 6.10 | 5.00 |
| OM32590 | | 6.20 | 5.00 |

PINCES DE TARAUDAGE ER À CHANGEMENT RAPIDE

Pinces Rigide QCTC-ER20

- Système de Déverrouillage Rapide
- Sans Compression & Extension
- Recommandé pour l'utilisation avec Mandrin de Taraudage Synchro MLC



Selon les normes (ISO) (529-1975) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|------|-------|
| OM32591 | QCTC ER20 (ISO) | 3.15 | 2.50 |
| OM32592 | | 3.55 | 2.80 |
| OM32593 | | 4.00 | 3.15 |
| OM32594 | | 4.50 | 3.55 |
| OM32595 | | 5.00 | 4.00 |
| OM32596 | | 5.60 | 4.50 |
| OM32597 | | 6.30 | 5.00 |
| OM32598 | | 7.10 | 5.60 |



Selon les normes (DIN) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|------|-------|
| OM32599 | QCTC ER20 (DIN) | 3.50 | 2.70 |
| OM32600 | | 4.00 | 3.00 |
| OM32601 | | 4.50 | 3.40 |
| OM32602 | | 6.00 | 4.90 |
| OM32603 | | 7.00 | 5.5 |

Selon les normes (JIS) Standards

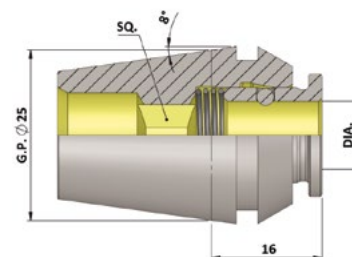
| Code Article | Description | Dia | Carré |
|--------------|-----------------|------|-------|
| OM32600 | QCTC ER20 (JIS) | 4.00 | 3.00 |
| OM32604 | | 4.00 | 3.20 |
| OM32595 | | 5.00 | 4.00 |
| OM32605 | | 5.50 | 4.50 |
| OM32625 | | 6.00 | 4.50 |
| OM32651 | | 6.10 | 5.00 |
| OM32652 | | 6.20 | 5.00 |
| OM32603 | | 7.00 | 5.50 |

PINCE DE TARAUDAGE À CHANGEMENT RAPIDE

PINCES DE TARAUDAGE ER À CHANGEMENT RAPIDE

Pinces Rigide QCTC-ER25

- Système de Déverrouillage Rapide
- Sans Compression & Extension
- Recommandé pour l'utilisation avec Mandrin de Taraudage Synchro MLC



Selon les normes (ISO) (529-1975) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|-------|-------|
| OM32653 | QCTC ER25 (ISO) | 3.15 | 2.50 |
| OM32654 | | 3.55 | 2.80 |
| OM32655 | | 4.00 | 3.15 |
| OM32656 | | 4.50 | 3.55 |
| OM32657 | | 5.00 | 4.00 |
| OM32658 | | 5.60 | 4.50 |
| OM32659 | | 6.30 | 5.00 |
| OM32660 | | 7.10 | 5.60 |
| OM32661 | | 8.00 | 6.30 |
| OM32662 | | 9.00 | 7.10 |
| OM32663 | | 10.00 | 8.00 |



Selon les normes (DIN) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|-------|-------|
| OM32664 | QCTC ER25 (DIN) | 3.50 | 2.70 |
| OM32665 | | 4.00 | 3.00 |
| OM32666 | | 4.50 | 3.40 |
| OM32667 | | 6.00 | 4.90 |
| OM32668 | | 7.00 | 5.50 |
| OM32705 | | 8.00 | 6.20 |
| OM32669 | | 9.00 | 7.00 |
| OM32663 | | 10.00 | 8.00 |

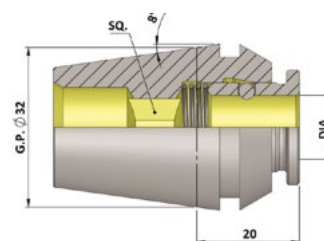
Selon les normes (JIS) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|------|-------|
| OM32665 | QCTC ER25 (JIS) | 4.00 | 3.00 |
| OM32670 | | 4.00 | 3.20 |
| OM32657 | | 5.00 | 4.00 |
| OM32671 | | 5.50 | 4.50 |
| OM32672 | | 6.00 | 4.50 |
| OM32673 | | 6.10 | 5.00 |
| OM32674 | | 6.20 | 5.00 |
| OM32668 | | 7.00 | 5.50 |
| OM32700 | | 8.00 | 6.00 |
| OM32705 | | 8.00 | 6.20 |
| OM32706 | | 8.50 | 6.50 |
| OM32669 | | 9.00 | 7.00 |

PINCES DE TARAUDAGE ER À CHANGEMENT RAPIDE

Pinces Rigide QCTC-ER32

- Système de Déverrouillage Rapide
- Sans Compression & Extension
- Recommandé pour l'utilisation avec Mandrin de Taraudage Synchro MLC



Selon les normes (ISO) (529-1975) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|-------|-------|
| OM32707 | QCTC ER32 (ISO) | 3.15 | 2.50 |
| OM32715 | | 3.55 | 2.80 |
| OM32716 | | 4.00 | 3.15 |
| OM32717 | | 4.50 | 3.55 |
| OM32718 | | 5.00 | 4.00 |
| OM32729 | | 5.60 | 4.50 |
| OM32730 | | 6.30 | 5.00 |
| OM32731 | | 7.10 | 5.60 |
| OM32732 | | 8.00 | 6.30 |
| OM32733 | | 9.00 | 7.10 |
| OM32734 | | 10.00 | 8.00 |
| OM32749 | | 11.20 | 9.00 |
| OM32750 | | 12.50 | 10.00 |
| OM32751 | | 14.00 | 11.20 |



Selon les normes (DIN) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|-------|-------|
| OM32752 | QCTC ER32 (DIN) | 3.50 | 2.70 |
| OM32753 | | 4.00 | 3.00 |
| OM32754 | | 4.50 | 3.40 |
| OM32755 | | 6.00 | 4.90 |
| OM32756 | | 7.00 | 5.50 |
| OM32775 | | 8.00 | 6.20 |
| OM32776 | | 9.00 | 7.00 |
| OM32734 | | 10.00 | 8.00 |
| OM32777 | | 11.00 | 9.00 |
| OM32778 | | 12.00 | 9.00 |
| OM32779 | | 14.00 | 11.00 |

Selon les normes (JIS) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|-------|-------|
| OM32753 | QCTC ER32 (JIS) | 4.00 | 3.00 |
| OM32780 | | 4.00 | 3.20 |
| OM32718 | | 5.00 | 4.00 |
| OM32781 | | 5.50 | 4.50 |
| OM32782 | | 6.00 | 4.50 |
| OM32783 | | 6.10 | 5.00 |
| OM32784 | | 6.20 | 5.00 |
| OM32756 | | 7.00 | 5.50 |
| OM32806 | | 8.00 | 6.00 |
| OM32775 | | 8.00 | 6.20 |
| OM32807 | | 8.50 | 6.50 |
| OM32776 | | 9.00 | 7.00 |
| OM32808 | | 10.50 | 8.00 |
| OM32777 | | 11.00 | 9.00 |
| OM32778 | | 12.00 | 9.00 |
| OM32750 | | 12.50 | 10.00 |
| OM32779 | | 14.00 | 11.00 |

PINCE DE TARAUDAGE À CHANGEMENT RAPIDE

PINCES DE TARAUDAGE ER À CHANGEMENT RAPIDE

Pinces Rigide QCTC-ER40

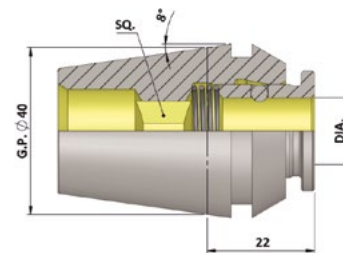
- Système de Déverrouillage Rapide
- Sans Compression & Extension
- Recommandé pour l'utilisation avec Mandrin de Taraudage Synchro MLC

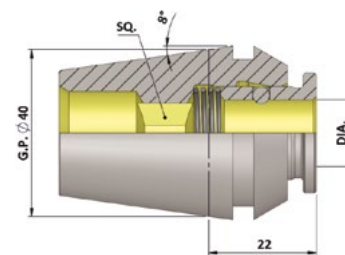
Selon les normes (ISO) (529-1975) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|-------|-------|
| OM32809 | QCTC ER40 (ISO) | 3.15 | 2.50 |
| OM32810 | | 3.55 | 2.80 |
| OM32811 | | 4.00 | 3.15 |
| OM32812 | | 4.50 | 3.55 |
| OM32813 | | 5.00 | 4.00 |
| OM32814 | | 5.60 | 4.50 |
| OM32815 | | 6.30 | 5.00 |
| OM32816 | | 7.10 | 5.60 |
| OM32853 | | 8.00 | 6.30 |
| OM32854 | | 9.00 | 7.10 |
| OM32855 | | 10.00 | 8.00 |
| OM32856 | | 11.20 | 9.00 |
| OM32857 | | 12.50 | 10.00 |
| OM32858 | | 14.00 | 11.20 |
| OM32859 | | 16.00 | 12.50 |
| OM32860 | | 18.00 | 14.00 |

Selon les normes (DIN) Standards

| Code Article | Description | Dia | Carré |
|--------------|-----------------|-------|-------|
| OM32861 | QCTC ER40 (DIN) | 3.50 | 2.70 |
| OM32862 | | 4.00 | 3.00 |
| OM32863 | | 4.50 | 3.40 |
| OM32864 | | 6.00 | 4.90 |
| OM32865 | | 7.00 | 5.50 |
| OM32866 | | 8.00 | 6.20 |
| OM32854 | | 9.00 | 7.00 |
| OM32855 | | 10.00 | 8.00 |
| OM32867 | | 11.00 | 9.00 |
| OM32868 | | 12.00 | 9.00 |
| OM32869 | | 14.00 | 11.00 |
| OM32870 | | 16.00 | 12.00 |
| OM32871 | | 18.00 | 14.50 |



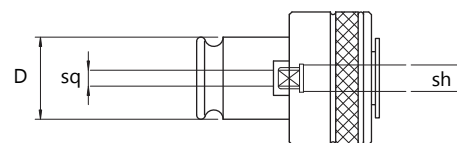


Selon les normes (JIS) Standards

| Code Article | Description | Dia | Carré |
|--------------|----------------|-------|-------|
| OM32862 | QTC ER40 (JIS) | 4.00 | 3.00 |
| OM32872 | | 4.00 | 3.20 |
| OM32813 | | 5.00 | 4.00 |
| OM32873 | | 5.50 | 4.50 |
| OM32874 | | 6.00 | 4.50 |
| OM32875 | | 6.10 | 5.00 |
| OM32876 | | 6.20 | 5.00 |
| OM32865 | | 7.00 | 5.50 |
| OM32877 | | 8.00 | 6.00 |
| OM32866 | | 8.00 | 6.20 |
| OM33059 | | 8.50 | 6.50 |
| OM32854 | | 9.00 | 7.00 |
| OM33061 | | 10.50 | 8.00 |
| OM32867 | | 11.00 | 9.00 |
| OM32868 | | 12.00 | 9.00 |
| OM32857 | | 12.50 | 10.00 |
| OM33092 | | 13.00 | 10.00 |
| OM32869 | | 14.00 | 11.00 |
| OM33094 | | 15.00 | 12.00 |
| OM32870 | | 16.00 | 12.00 |
| OM32860 | 18.00 | 14.00 | |



DOUILLES DE TARAUDAGE À CHANGEMENT RAPIDE AVEC EMBRAYAGE



- Pour Mandrin de Taraudage Tension & Compression
- Plage de Taraudage M2 - M36

| Code Article | Description | Taraud | Ø de queue (mm) | Carré (mm) | D (mm) |
|--------------|---|--------|-----------------|------------|--------|
| OM30200 | Taille 1 Douille de taraudage avec débrayage (FES1) | M2 | 2.8 | 2.1 | 19 |
| OM30201 | | M3 | 3.5 | 2.7 | |
| OM30202 | | M3.5 | 4 | 3 | |
| OM30203 | | M4 | 4.5 | 3.4 | |
| OM30204 | | M5 | 6 | 4.9 | |
| OM30205 | | M6 | 6 | 4.9 | |
| OM30206 | | M8 | 8 | 6.3 | |
| OM30207 | | M10 | 10 | 8 | |
| OM30208 | | M12 | 9 | 7 | |
| OM30209 | Taille 2 Douille de taraudage avec débrayage (FES2) | M6 | 6 | 4.9 | 31 |
| OM30210 | | M8 | 8 | 6.2 | |
| OM30211 | | M10 | 10 | 8 | |
| OM30212 | | M12 | 9 | 7 | |
| OM30213 | | M14 | 11 | 9 | |
| OM30214 | | M16 | 12 | 9 | |
| OM30215 | | M18 | 14 | 11 | |
| OM30216 | | M20 | 16 | 12 | |
| OM30217 | Taille 3 Douille de taraudage avec débrayage (FES3) | M14 | 11 | 9 | 48 |
| OM30218 | | M16 | 12 | 9 | |
| OM30219 | | M18 | 14 | 11 | |
| OM30220 | | M20 | 16 | 12 | |
| OM30221 | | M22 | 18 | 14.5 | |
| OM30222 | | M24 | 18 | 14.5 | |
| OM30223 | | M27 | 20 | 16 | |
| OM30224 | | M30 | 22 | 18 | |
| OM30225 | | M33 | 25 | 20 | |
| OM30226 | | M36 | 28 | 22 | |

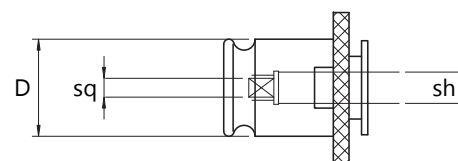
PINCE DE TARAUDAGE À CHANGEMENT RAPIDE

Avec Débrayage:

- Limite les ruptures de tarauds
- Améliore la qualité des filetages
- Les tarauds et adaptateur ne peuvent pas glisser dans le mandrin
- Embrayage réglable
- Recommandé pour les pièces de fortes valeurs et pour les matières usinabilité difficile



DOUILLES DE TARAUDAGE À CHANGEMENT RAPIDE SANS EMBRAYAGE



- Pour Mandrin de Taraudage Tension & Compression
- Plaque de Taraudage M2 - M36

| Code Article | Description | Taraud | Ø de queue (mm) | Carré (mm) | D (mm) |
|--------------|---|--------|-----------------|------------|--------|
| OM30227 | Taille 1 Douille de taraudage sans débrayage (FES1) | M2 | 2.8 | 2.1 | 19 |
| OM30228 | | M3 | 3.5 | 2.7 | |
| OM30229 | | M4 | 4.5 | 3.4 | |
| OM30230 | | M5/M6 | 6 | 4.9 | |
| OM30231 | | M8 | 8 | 6.2 | |
| OM30232 | | M10 | 10 | 8 | |
| OM30233 | | M12 | 9 | 7 | |
| OM30234 | Taille 2 Douille de taraudage sans débrayage (FES2) | M5/M6 | 6 | 4.9 | 31 |
| OM30235 | | M8 | 8 | 6.2 | |
| OM30236 | | M10 | 10 | 8 | |
| OM30237 | | M12 | 9 | 7 | |
| OM30238 | | M14 | 11 | 9 | |
| OM30239 | | M16 | 12 | 9 | |
| OM30240 | | M18 | 14 | 11 | |
| OM30241 | | M20 | 16 | 12 | |
| OM30242 | Taille 3 Douille de taraudage sans débrayage (FES3) | M14 | 11 | 9 | 48 |
| OM30243 | | M16 | 12 | 9 | |
| OM30244 | | M18 | 14 | 11 | |
| OM30245 | | M20 | 16 | 12 | |
| OM30246 | | M24 | 18 | 14.5 | |
| OM30247 | | M27 | 20 | 16 | |
| OM30248 | | M30 | 22 | 18 | |
| OM30249 | | M33 | 25 | 20 | |
| OM30250 | | M36 | 28 | 22 | |



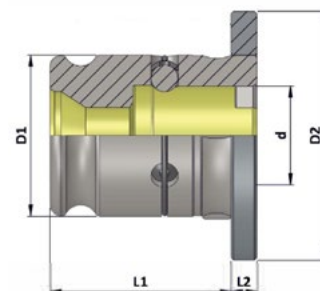
Sans Débrayage:

- Prix réduit
- Améliore la qualité des filetages
- Les tarauds et adaptateur ne peuvent pas glisser dans le mandrin
- Pas d'embrayage
- Recommandé pour les pièces de plus faible valeur

RÉDUCTIONS POUR ADAPTATEURS À CHANGEMENT RAPIDE

- Réductions pour douilles de taraudage à changement rapide

| Code Article | Description | Dimensions (mm) | | | | |
|--------------|--|-----------------|----|----|------|----|
| | | d | D1 | D2 | L1 | L2 |
| OM30251 | Taille 2 à taille 1 adaptateur pour douille de taraudage | 19 | 31 | 48 | 35 | 5 |
| OM30252 | Taille 3 à taille 2 adaptateur pour douille de taraudage | 31 | 48 | 70 | 55.5 | 6 |



PINCER DE TARAUDAGE À CHANGEMENT RAPIDE

Dimensions Queue des Tarauds ISO 529-1975

| Dimension Dia. x Carré | Metric | | UNC | | UNF | | BSW | | BSF | | BA | |
|---------------------------|--------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-------|--------------------|
| | | Queue dia. Élargie | | Queue dia. Élargie | | Queue dia. Élargie | | Queue dia. Élargie | | Queue dia. Élargie | | Queue dia. Élargie |
| 3.15 x 2.5 | M4 | M3 | - | No. 4-40 | - | No. 4-48 | - | - | - | - | - | No. 5 |
| | - | - | No. 8-32 | No. 5-40 | No. 8-36 | No. 5-44 | - | - | - | - | No.3 | - |
| 3.55 x 2.8 | M4.5 | M3.5 | No. 10-24 | No. 6-32 | No. 10-32 | No. 6-40 | 3/16"-24 | - | 3/16"-32 | - | No.2 | No.4 |
| 4 x 3.15 | M5 | M4 | No. 12-24 | - | No.12-28 | - | - | - | 7/32"-28 | - | No.1 | - |
| 4.5 x 3.55 | M6 | - | 1/4"-20 | No. 8-32 | 1/4"-28 | No. 3-36 | 1/4"-20 | - | 1/4"-26 | - | No. 0 | No. 3 |
| 5 x 4 | - | M5 | - | No. 10-24 | - | No. 10-32 | - | 3/16"-24 | - | 3/16"-32 | - | No. 2 |
| 5.6 x 4.5 | - | - | - | No. 12-24 | - | No.12-28 | - | - | 9/32"-26 | 7/32"-28 | - | No.1 |
| 6.3 x 5 | M8 | M6 | 5/16"-18 | 1/4"-20 | 5/16"-24 | 1/4"-28 | 5/16"-18 | 1/4"-20 | 5/16"-22 | 1/4"-26 | - | No.0 |
| 7.1 x 5.6 | - | - | 3/8"-16 | - | 3/8"-24 | - | 3/8"-16 | - | 3/8"-20 | 9/32"-36 | - | - |
| 8 x 6.3 | M10 | M8 | 7/16"-14 | 5/16"-18 | 7/16"-20 | - | 7/16"-14 | 5/16"-18 | 7/16"-18 | 5/16"-22 | - | - |
| 9 x 7.1 | M12 | - | 1/2"-13 | - | 1/2"-2- | - | 1/2"-12 | - | 1/2"-12 | - | - | - |
| 10 x 8 | - | M10 | - | 3/8"-16 | - | 3/8"-24 | - | 3/8"-16 | - | 3/8"-20 | - | - |
| 11.2 x 9 | M14 | - | 9/16"-12 | - | 9/16"-18 | - | 9/16"-12 | - | 9/16"-16 | - | - | - |
| 12.5 x 10 | M16 | - | 5/8"-11 | - | 5/8"-18 | - | 5/8"-11 | - | 3/8"-14 | - | - | - |
| 14 x 11.2 | M18 | - | 3/4"-10 | - | 3/4"-16 | - | 11/16"-11 | - | 11/16"-14 | - | - | - |
| | M20 | - | - | - | - | - | 3/4"-10 | - | 3/4"-12 | - | - | - |
| 16 x 12.5 | M22 | - | 7-8"-9 | - | 7/8"-14 | - | 7/8"-9 | - | 7/8"-11 | - | - | - |
| 18 x 14 | M24 | - | 1"-8 | - | 1"-12 | - | 1"-8 | - | 1"-10 | - | - | - |
| 20 x 16 | M27 | - | 1 1/8"-7 | - | 1 1/8"-12 | - | 1 1/8"-7 | - | 1 1/8"-9 | - | - | - |
| | M30 | - | - | - | - | - | - | - | - | - | - | - |
| 22.4 x 18 | M33 | - | 1 1/4"-4 | - | 1 1/4"-12 | - | 1 1/4"-7 | - | 1 1/4"-9 | - | - | - |
| 25 x 20 | M36 | - | 13-8"-6 | - | 13/8"-12 | - | - | - | 13/8"-8 | - | - | - |
| 28 x 22.4 | M39 | - | 1 1/2"-6 | - | 1 1/2"-12 | - | 1 1/2"-6 | - | 1 1/2"-8 | - | - | - |
| | M42 | - | - | - | - | - | - | - | 15/8"-8 | - | - | - |
| 31.5 x 25 | M45 | - | 1 3/4"-5 | - | - | - | 1 3/4"-5 | - | 1 3/4"-7 | - | - | - |
| | M48 | - | - | - | - | - | - | - | - | - | - | - |

Dimensions Queue des Tarauds DIN Standards

| Dimension Dia. x Carré | DIN 352 | DIN 353 | DIN 371 | DIN 374 | DIN 376 | DIN 2182 | DIN 2183 |
|---------------------------|-----------|---------|---------|---------|---------|----------|----------|
| | 3.5 X 2.7 | M3 | - | M3 | M5 | M5 | 1/8" |
| 4 X 3 | M4 | - | M3.5 | - | - | - | - |
| 4.5 X 3.4 | M4 | - | M4 | M6 | M6 | 5/32" | 1/4" |
| | M5 | - | M5 | - | - | 7/32" | - |
| | M6 | - | M6 | - | - | - | - |
| 6 X 4.9 | M8 | - | - | M8 | M8 | - | - |
| | M10 | - | G 1/8" | - | M10 | 1/4" | 3/8" |
| | M12 | - | - | M12 | M12 | 3/8" | 1/2" |
| 7 X 5.5 | M10 | - | M10 | - | - | - | |
| 8 X 6.2 | - | - | M8 | - | - | 5/16" | 7/16" |
| 9 X 7 | M12 | - | - | M12 | M12 | 3/8" | 1/2" |
| 10 X 8 | - | - | M10 | - | - | - | - |
| 11 X 9 | M14 | - | M14 | - | - | - | 9/16" |
| 12 X 9 | M16 | - | M16 | - | - | - | 5/8" |
| 14 X 11 | M18 | - | M18 | - | - | - | 11/16" |
| 16 X 12 | M20 | - | M20 | - | - | - | 13/16" |
| 18 X 14.5 | M22 | - | M22 | - | - | - | 7/8" |
| | M24 | - | M24 | - | - | - | 15/16" |
| 20 X 16 | M27 | - | M27 | - | - | - | |
| 22 X 18 | M30 | - | M30 | - | - | - | |
| 25 X 20 | M33 | - | M33 | - | - | - | |
| 28 X 22 | M36 | - | M36 | - | - | - | |
| 32 X 24 | M39 | - | M39 | - | - | - | |
| | M42 | - | M42 | - | - | - | |
| 36 X 29 | M45 | - | M45 | - | - | - | |
| | M48 | - | M48 | - | - | - | |
| | - | - | - | - | - | - | |
| | - | - | - | - | - | - | |

PINCE DE
TARAUDS A
CHANG-RAPID

Dimensions Queue des Tarauds (JIS Standards)

| Dimensions (mm) | | Taille Tarauds |
|-----------------|-------|-----------------------------|
| Dia. | Carré | |
| 3.00 | 2.50 | M1, M2.6 |
| 4.00 | 3.00 | M3, M3.5 |
| 4.00 | 3.20 | M3, M3.5 |
| 5.00 | 4.00 | M4, M4.5 |
| 5.50 | 4.50 | M5, M5.5 |
| 6.00 | 4.50 | M6, 1/4"UNC |
| 6.10 | 5.00 | 5/16"UNC |
| 6.20 | 5.00 | M7, M8 |
| 7.00 | 5.50 | M9, M10, 3/8"UNC |
| 8.00 | 6.00 | M11, 7/16"UNC, 1/8"P |
| 8.00 | 6.20 | M11, 1/8"BSP |
| 8.50 | 6.50 | M12 |
| 9.00 | 7.00 | 1/2"UNC |
| 9.50 | 7.00 | M13 |
| 10.50 | 8.00 | M14, M15, 9/16"UNC |
| 11.00 | 9.00 | 1/4"P |
| 12.00 | 9.00 | 5/8"UNC |
| 12.50 | 10.00 | M16 |
| 13.00 | 10.00 | M17 |
| 14.00 | 11.00 | M18, 3/4"UNC, 3/8"P |
| 15.00 | 12.00 | M20 |
| 17.00 | 13.00 | M22, 7/8"UNC |
| 18.00 | 14.00 | 1/2"P |
| 19.00 | 15.00 | M24, ,25, 5/8"P |
| 20.00 | 15.00 | M26, M27, 1"UNC |
| 21.00 | 17.00 | M28 |
| 22.00 | 17.00 | 1 1/8" UNC |
| 23.00 | 17.00 | M30, 3/4"P |
| 24.00 | 19.00 | M32, 7/8"UNC |
| 25.00 | 19.00 | M33 |
| 26.00 | 21.00 | M34, M35 1"P |
| 28.00 | 21.00 | M36, M38 1 1/8"P |
| 30.00 | 23.00 | M39, M40 |
| 32.00 | 26.00 | M42, 1 1/4"P |
| 35.00 | 26.00 | M45, 1 3/8"P |
| 38.00 | 29.00 | M48, 1 1/2"P |
| 40.00 | 32.00 | M52, M56 & 1 7/8"UNC, 2"UNC |

Dimensions des Queue de Tarauds ANSI (US Standards)

| Dimensions en Pouces | | Metric Conversions | | Taille Tarauds |
|----------------------|-------|--------------------|-------|-----------------|
| Dia. | Carré | Dia. | Carré | |
| 0.141 | 0.110 | 3.59 | 2.80 | 1/8" No.6 |
| 0.168 | 0.131 | 4.27 | 3.33 | 5/32" No.8 |
| 0.194 | 0.152 | 4.93 | 3.87 | 3/16" No.10 |
| 0.220 | 0.165 | 5.59 | 4.20 | No.12 |
| 0.255 | 0.191 | 6.48 | 4.86 | 1/4" No.14 |
| 0.313 | 0.234 | 7.94 | 5.95 | 1/16"Ps 1/18"Ps |
| 0.318 | 0.238 | 8.08 | 6.05 | 5/16" 3/8" |
| 0.323 | 0.242 | 8.21 | 6.15 | 5/16" 7/16" |
| 0.367 | 0.275 | 9.33 | 6.99 | 1/2" |
| 0.381 | 0.286 | 9.68 | 7.27 | 3/8" |
| 0.429 | 0.322 | 10.90 | 8.18 | 9/16" |
| 0.438 | 0.328 | 11.12 | 8.34 | 1/8"PLs |
| 0.480 | 0.360 | 12.20 | 9.15 | 5/8" |
| 0.542 | 0.406 | 13.77 | 10.31 | 11/16" |
| 0.563 | 0.421 | 14.29 | 10.70 | 1/4"Ps |
| 0.590 | 0.442 | 14.99 | 11.23 | 3/4" |
| 0.652 | 0.489 | 16.57 | 12.43 | M20, 13/16" |
| 0.688 | 0.515 | 17.47 | 13.09 | 12" Ps |
| 0.697 | 0.523 | 17.71 | 13.29 | 7/8" |
| 0.700 | 0.531 | 17.78 | 13.49 | 3/8"Ps |
| 0.760 | 0.570 | 19.31 | 14.48 | M24, 15/16" |
| 0.800 | 0.600 | 20.32 | 15.24 | 1" |
| 0.896 | 0.672 | 22.76 | 17.07 | 1 1/8" |
| 0.906 | 0.679 | 23.02 | 17.25 | 3/4"P |
| 1.021 | 0.766 | 25.94 | 19.46 | 1 1/4" |
| 1.108 | 0.831 | 28.15 | 21.11 | 1 3/8" |
| 1.125 | 0.843 | 28.58 | 21.42 | 1"P |
| 1.233 | 0.925 | 31.32 | 23.50 | 1 1/2" |
| 1.313 | 0.984 | 33.34 | 25.00 | 1 1/4"P |
| 1.430 | 1.072 | 36.33 | 27.23 | 1 3/4" |
| 1.500 | 1.125 | 38.10 | 28.58 | 1 1/2"P |
| 1.644 | 1.233 | 41.76 | 31.32 | 2" |

TÊTE À ALÉSER

- Grande Rigidité & Précision
- Graduation 0.01 mm
- Large gamme de diamètre et de profondeur
- Filetage 1.1/2x18TPI



| Code Article | Description | Tête Dia (mm) | Hauteur (mm) | Dia Barre (mm) | Graduation (mm) | Plage (mm) |
|--------------|---------------------------|---------------|--------------|----------------|-----------------|------------|
| OM31433 | F1-12 12mm Tête d'Alésage | 50 | 61.6 | 12 | 0.01 | 10-125 |
| OM31434 | F1-18 18mm Tête d'Alésage | 75 | 80.2 | 18 | 0.01 | 12-225 |
| OM31435 | F1-25 25mm Tête d'Alésage | 100 | 93.2 | 25 | 0.01 | 15-320 |

ADAPTEUR POUR TÊTE À ALÉSER

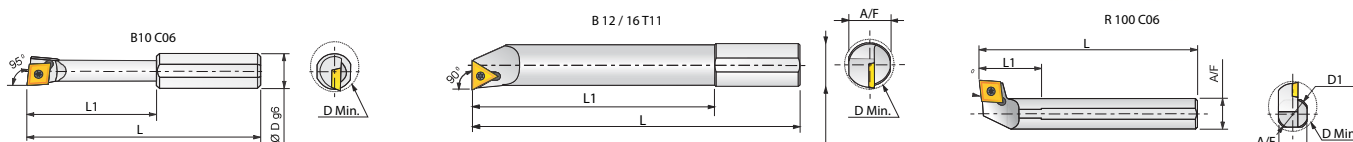
- Pour monter des têtes à aléser
- Filetage de montage courant 1.1/2" x 18 TPI

| Code Article | Description |
|--------------|---------------|
| OM31061 | BT40 F1 |
| OM31134 | BT50 F1 |
| OM31192 | DV40 F1 |
| OM31531 | DV50 F1 |
| OM30795 | HSK63A F1 |
| OM31967 | DIN2080 30 F1 |
| OM31563 | DIN2080 40 F1 |
| OM31990 | DIN2080 50 F1 |
| OM31317 | R8 F1 |
| OM30370 | MT4 F1 |



12MM - AXIAL / RADIAL 4 BARRES D'ALÉSAGE

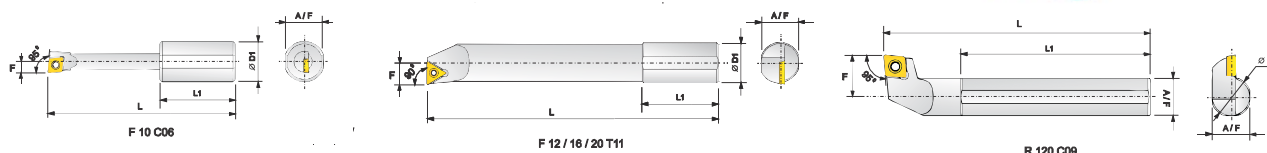
- Pour Tête à Aléser F1-12
- Coffret de 4 Barres suivant liste ci-dessous (OM01010)



| Code Article | Description | Dimensions (mm) | | | | | Plaquettes |
|--------------|--|-----------------|-------|-----|----|-----|------------|
| | | D1 | D Min | L | L1 | A/F | |
| OM01100 | B10 C06 | 12 | 10 | 85 | 50 | 11 | CCMT 0602 |
| OM01101 | B12 T11 | 12 | 12 | 95 | 60 | 11 | TCMT 1102 |
| OM01102 | B16 T11 | 12 | 16 | 105 | 70 | 11 | TCMT 1102 |
| OM01103 | R100 C06 | 12 | 26 | 72 | 22 | 11 | CCMT 0602 |
| OM01010 | Coffret de 4 Barres de 12mm pour Tête à Aléser | - | - | - | - | - | - |

18MM - AXIAL / RADIAL 5 BARRES D'ALÉSAGE

- Pour Tête à Aléser F1-18
- Coffret de 5 Barres suivant liste ci-dessous (OM01011)

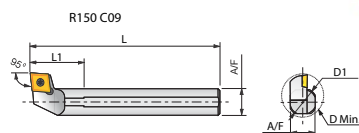
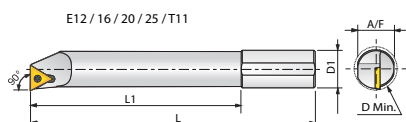


| Code Article | Description | Dimensions (mm) | | | | | Plaquettes |
|--------------|--|-----------------|-------|-----|-----|-----|------------|
| | | D1 | D Min | L | L1 | A/F | |
| OM01104 | F10 C06 | 18 | 10 | 85 | 50 | 17 | CCMT 0602 |
| OM01105 | F12 T11 | 18 | 12 | 95 | 60 | 17 | TCMT 1102 |
| OM01106 | F16 T11 | 18 | 16 | 105 | 70 | 17 | TCMT 1102 |
| OM01107 | F20 T11 | 18 | 20 | 135 | 100 | 17 | TCMT 1102 |
| OM01108 | R120 C09 | 18 | 38 | 123 | 35 | 17 | CCMT 09T3 |
| OM01011 | Coffret de 5 Barres de 18mm pour Tête à Aléser | - | - | - | - | - | - |

COFFRET
DE TÊTE À
ALÉSER

25MM - AXIAL / RADIAL 5 BARRES D'ALÉSAGE

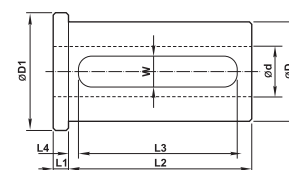
- Pour Tête à Aléser F1-25
- Coffret de 5 Barres suivant liste ci-dessous (OM01012)



| Code Article | Description | Dimensions (mm) | | | | | Plaquettes |
|--------------|--|-----------------|-------|-----|-----|------|------------|
| | | D1 | D Min | L | L1 | A/F | |
| OM01109 | E12 T11 | 25 | 12 | 95 | 60 | 23.5 | TCMT 1102 |
| OM01110 | E16 T11 | 25 | 16 | 105 | 70 | 23.5 | TCMT 1102 |
| OM01111 | E20 T11 | 25 | 20 | 135 | 100 | 23.5 | TCMT 1102 |
| OM01112 | E25 T11 | 25 | 25 | 160 | 125 | 23.5 | TCMT 1102 |
| OM01113 | R150 C09 | 25 | 44 | 134 | 35 | 23.5 | CCMT 09T3 |
| OM01012 | Coffret de 5 Barres de 25mm pour Tête à Aléser | - | - | - | - | - | - |

DOUILLES DE RÉDUCTION POUR BARRE D'ALÉSAGE

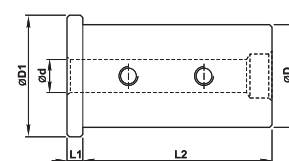
- Douilles de réduction
- Rectifié & Trempé
- Forme A = Fendu
- Form B = à vis



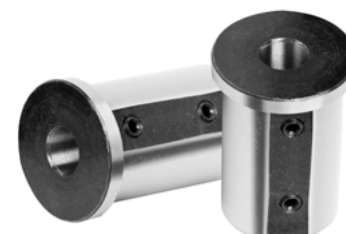
Forme A



| Code Article | Description | Dimensions (mm) | | | | | | | | |
|--------------|-------------------|-----------------|--------|----|----|----|----|----|----|-------|
| | | D (OD) | d (ID) | D1 | L1 | L2 | L3 | L4 | W | Forme |
| OM20200 | BBB 16 / 08 / 45 | 16 | 8 | 22 | 5 | 40 | - | - | - | B |
| OM20201 | BBB 16 / 10 / 45 | | 10 | 22 | 5 | 40 | 32 | 3 | 7 | A |
| OM20202 | BBB 20 / 08 / 55 | 20 | 8 | 26 | 5 | 50 | - | - | - | B |
| OM20203 | BBB 20 / 10 / 55 | | 10 | 26 | 5 | 50 | - | - | - | B |
| OM20204 | BBB 20 / 12 / 55 | | 12 | 26 | 5 | 50 | 42 | 3 | 9 | A |
| OM19184 | BBB 25 / 06 / 55 | 25 | 6 | 32 | 5 | 50 | - | - | - | B |
| OM20205 | BBB 25 / 08 / 55 | | 8 | 32 | 5 | 50 | - | - | - | B |
| OM20206 | BBB 25 / 10 / 55 | | 10 | 32 | 5 | 50 | - | - | - | B |
| OM20207 | BBB 25 / 12 / 55 | | 12 | 32 | 5 | 50 | - | - | - | B |
| OM19188 | BBB 25 / 14 / 55 | | 14 | 32 | 5 | 50 | 42 | 3 | 10 | A |
| OM20208 | BBB 25 / 16 / 55 | | 16 | 32 | 5 | 50 | 42 | 3 | 10 | A |
| OM19190 | BBB 25 / 18 / 55 | | 18 | 32 | 5 | 50 | 42 | 3 | 10 | A |
| OM19191 | BBB 25 / 20 / 55 | | 20 | 32 | 5 | 50 | 42 | 3 | 10 | A |
| OM19193 | BBB 32 / 06 / 65 | 32 | 6 | 38 | 5 | 60 | - | - | - | B |
| OM20209 | BBB 32 / 08 / 65 | | 8 | 38 | 5 | 60 | - | - | - | B |
| OM20210 | BBB 32 / 10 / 65 | | 10 | 38 | 5 | 60 | - | - | - | B |
| OM20211 | BBB 32 / 12 / 65 | | 12 | 38 | 5 | 60 | - | - | - | B |
| OM20212 | BBB 32 / 16 / 65 | | 16 | 38 | 5 | 60 | 52 | 3 | 10 | A |
| OM20213 | BBB 32 / 20 / 65 | | 20 | 38 | 5 | 60 | 52 | 3 | 10 | A |
| OM20214 | BBB 32 / 25 / 65 | 25 | 38 | 5 | 60 | 52 | 3 | 10 | A | |
| OM20109 | BBB 40 / 06 / 90 | 40 | 6 | 48 | 5 | 85 | - | - | - | B |
| OM20215 | BBB 40 / 08 / 90 | | 8 | 48 | 5 | 85 | - | - | - | B |
| OM20216 | BBB 40 / 10 / 90 | | 10 | 48 | 5 | 85 | - | - | - | B |
| OM20217 | BBB 40 / 12 / 90 | | 12 | 48 | 5 | 85 | - | - | - | B |
| OM20218 | BBB 40 / 16 / 90 | | 16 | 48 | 5 | 85 | 77 | 2 | 12 | A |
| OM20219 | BBB 40 / 20 / 90 | | 20 | 48 | 5 | 85 | 77 | 2 | 12 | A |
| OM20220 | BBB 40 / 25 / 90 | | 25 | 48 | 5 | 85 | 77 | 2 | 12 | A |
| OM20221 | BBB 40 / 32 / 90 | | 32 | 48 | 5 | 85 | 77 | 2 | 12 | A |
| OM20222 | BBB 50 / 16 / 100 | 50 | 16 | 58 | 8 | 92 | 80 | 4 | 12 | A |
| OM20223 | BBB 50 / 20 / 100 | | 20 | 58 | 8 | 92 | 80 | 4 | 12 | A |
| OM20224 | BBB 50 / 25 / 100 | | 25 | 58 | 8 | 92 | 80 | 4 | 12 | A |
| OM20225 | BBB 50 / 32 / 100 | | 32 | 58 | 8 | 92 | 80 | 4 | 12 | A |
| OM20226 | BBB 50 / 40 / 100 | | 40 | 58 | 8 | 92 | 80 | 4 | 12 | A |



Forme B

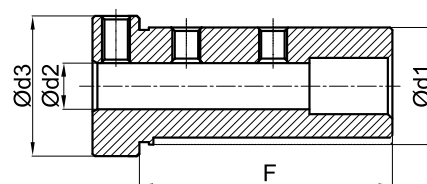


DOUILLES
POUR BARRE
D'ALÉSAGE

DOUILLES DE RÉDUCTION POUR BARRE D'ALÉSAGE

SM E

- Pour Porte Outil VDI
- Douilles pour E1 & E2 types pour petits outils



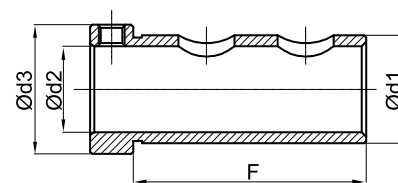
| Code Article | Description | Dimensions (mm) | | | |
|--------------|-------------|-----------------|----|----|----|
| | | d1 | d2 | d3 | F |
| OM33253 | SM E 20 08 | 20 | 8 | 25 | 39 |
| OM33254 | SM E 20 10 | | 10 | | |
| OM33255 | SM E 25 08 | 25 | 8 | 30 | 50 |
| OM33256 | SM E 25 10 | | 10 | | |
| OM33257 | SM E 25 12 | | 12 | | |
| OM33258 | SM E 32 08 | 32 | 8 | 37 | 59 |
| OM33259 | SM E 32 10 | | 10 | | |
| OM33260 | SM E 32 12 | | 12 | | |
| OM33261 | SM E 32 16 | | 16 | | |
| OM33262 | SM E 40 08 | 40 | 8 | 45 | 69 |
| OM33263 | SM E 40 10 | | 10 | | |
| OM33264 | SM E 40 12 | | 12 | | |
| OM33265 | SM E 40 16 | | 16 | | |
| OM33266 | SM E 40 20 | | 20 | | |
| OM33267 | SM E 50 08 | 50 | 8 | 55 | 80 |
| OM33268 | SM E 50 10 | | 10 | | |
| OM33269 | SM E 50 12 | | 12 | | |
| OM33270 | SM E 50 16 | | 16 | | |
| OM33271 | SM E 50 20 | | 20 | | |



DOUILLES DE RÉDUCTION POUR BARRE D'ALÉSAGE

SM E1

- Pour Porte Outil VDI
- Douilles pour E1 types pour gros outils



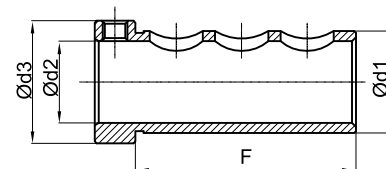
| Code Article | Description | Dimensions (mm) | | | |
|--------------|-------------|-----------------|----|----|----|
| | | d1 | d2 | d3 | F |
| OM33272 | SM E1 20 12 | 20 | 12 | 25 | 52 |
| OM33273 | SM E1 20 16 | | 16 | | |
| OM33274 | SM E1 25 16 | 25 | 16 | 30 | 50 |
| OM33275 | SM E1 25 20 | | 20 | | |
| OM33276 | SM E1 32 20 | 32 | 20 | 37 | 59 |
| OM33277 | SM E1 32 25 | | 25 | | |
| OM33278 | SM E1 40 25 | 40 | 25 | 45 | 69 |
| OM33279 | SM E1 40 32 | | 32 | | |
| OM33280 | SM E1 50 25 | 50 | 25 | 55 | 80 |
| OM33281 | SM E1 50 32 | | 32 | | |
| OM33282 | SM E1 50 40 | | 40 | | |



DOUILLES DE RÉDUCTION POUR BARRE D'ALÉSAGE

SM E2

- Pour Outils VDI
- Douille de réduction pour outils type E2



| Code Article | Description | Dimensions (mm) | | | | |
|--------------|-----------------|-----------------|----|----|----|----|
| | | d1 | d2 | d3 | F | |
| OM33283 | SM E2 20 12 L39 | 20 | 12 | 25 | 39 | |
| OM33284 | SM E2 20 12 L52 | | | | 52 | |
| OM33285 | SM E2 20 16 L39 | | 16 | | 30 | 39 |
| OM33286 | SM E2 20 16 L52 | | | | | 52 |
| OM33287 | SM E2 25 16 | 25 | 16 | 37 | | 59 |
| OM33288 | SM E2 25 20 | | 20 | | | |
| OM33289 | SM E2 32 20 | 32 | 20 | 45 | 69 | |
| OM33290 | SM E2 32 25 | | 25 | | | |
| OM33291 | SM E2 40 25 | 40 | 25 | 55 | 80 | |
| OM33292 | SM E2 40 32 | | 32 | | | |
| OM33293 | SM E2 50 25 | 50 | 25 | 55 | 80 | |
| OM33294 | SM E2 50 32 | | 32 | | | |
| OM33295 | SM E2 50 40 | | 40 | | | |



DOUILLES
POUR BARRE
D'ALÉSAGE

MANDRINS À PINCE ER

- Cone Morse (DIN228)
- Pince ER Standard

| Code Article | Description | Cone Morse | Taille des Pinces |
|--------------|--------------------------|------------|-------------------|
| OM30329 | Mandrin à Pince CM2 ER16 | 2 | ER16 |
| OM30469 | Mandrin à Pince CM2 ER25 | | ER25 |
| OM30399 | Mandrin à Pince CM2 ER32 | | ER32 |
| OM30470 | Mandrin à Pince CM3 ER16 | 3 | ER16 |
| OM30471 | Mandrin à Pince CM3 ER25 | | ER25 |
| OM30397 | Mandrin à Pince CM3 ER32 | | ER32 |
| OM30264 | Mandrin à Pince CM3 ER40 | | ER40 |
| OM30472 | Mandrin à Pince CM4 ER25 | 4 | ER25 |
| OM30473 | Mandrin à Pince CM4 ER32 | | ER32 |
| OM30474 | Mandrin à Pince CM4 ER40 | | ER40 |
| OM30330 | Mandrin à Pince CM5 ER32 | 5 | ER32 |
| OM30328 | Mandrin à Pince CM5 ER40 | | ER40 |
| OM30310 | Mandrin à Pince CM5 ER50 | | ER50 |



ADAPTATEUR QUEUE CYLINDRIQUE EXTER CM INTER

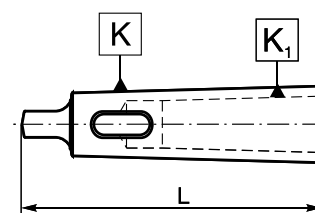
- Douille de Tourelle

| Code Article | Diam. Exter (mm) | Cone Morse Inter | Long. (mm) |
|--------------|------------------|------------------|------------|
| OM20227 | 25 | MT 1 | 80 |
| OM20228 | | MT 2 | 92 |
| OM20229 | 32 | MT 1 | 76 |
| OM20230 | | MT 2 | 75 |
| OM20231 | | MT 3 | 95 |
| OM20232 | 40 | MT 1 | 90 |
| OM20233 | | MT 2 | 90 |
| OM20234 | | MT 3 | 95 |
| OM20235 | | MT 4 | 142 |
| OM20236 | 50 | MT 1 | 100 |
| OM20237 | | MT 2 | 100 |
| OM20238 | | MT 3 | 115 |
| OM20239 | | MT 4 | 142 |



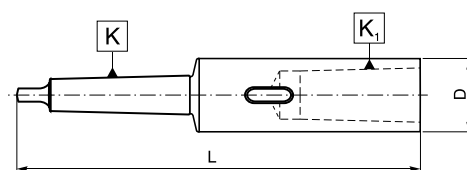
DOUILLE DE RÉDUCTION Cone Morse (DIN228)

| Code Article | Description | CM Exter (K) | CM Inter (K) | Long (L) |
|--------------|---------------------------------|--------------|--------------|----------|
| OM30049 | Douille de Réduction Cone Morse | MT 1 | MT 0 | 85 |
| OM30050 | | MT 2 | MT 1 | 92 |
| OM30051 | | MT 3 | MT 1 | 99 |
| OM30052 | | | MT 2 | 112 |
| OM30053 | | MT 4 | MT 1 | 124 |
| OM30054 | | | MT 2 | 124 |
| OM30055 | | | MT 3 | 140 |
| OM30056 | | MT 5 | MT 1 | 156 |
| OM30057 | | | MT 2 | 156 |
| OM30058 | | | MT 3 | 156 |
| OM30059 | | | MT 4 | 174 |
| OM30060 | | MT 6 | MT 1 | 218 |
| OM30061 | | | MT 2 | 218 |
| OM30062 | | | MT 3 | 218 |
| OM30063 | | | MT 4 | 218 |
| OM30064 | | | MT 5 | 218 |



RALLONGE CONE MORSE Cone Morse (DIN228)

| Code Article | Description | CM Exter (K) | CM Inter (K) | Long (L) |
|--------------|--|--------------|--------------|----------|
| OM30065 | Douille de reduction cone morse allongée | MT 1 | MT 1 | 145 |
| OM30066 | | | MT 2 | 160 |
| OM30067 | | | MT 3 | 183 |
| OM30068 | | MT 2 | MT 1 | 160 |
| OM30069 | | | MT 2 | 175 |
| OM30070 | | | MT 3 | 196 |
| OM30071 | | | MT 4 | 221 |
| OM30072 | | MT 3 | MT 1 | 175 |
| OM30073 | | | MT 2 | 194 |
| OM30074 | | | MT 3 | 215 |
| OM30075 | | | MT 4 | 240 |
| OM30076 | | | MT 1 | 200 |
| OM30077 | | MT 4 | MT 2 | 215 |
| OM30078 | | | MT 3 | 240 |
| OM30079 | | | MT 4 | 265 |
| OM30080 | | | MT 5 | 300 |
| OM30081 | | MT 5 | MT 1 | 232 |
| OM30082 | | | MT 2 | 247 |
| OM30083 | | | MT 3 | 268 |
| OM30084 | | | MT 4 | 300 |
| OM30085 | | | MT 5 | 335 |



MANDRIN DE PERÇAGE CONE MORSE

- Cone Morse (DIN228)
- Mandrin de perçage auto serrant qui peut être serré avec une clé
- Clé APU - Page 181

| Code Article | Description | Cone Morse | Capacité |
|--------------|--------------------|------------|----------|
| OM30398 | MT3 APU13 - 1-13mm | MT 3 | 1-13mm |
| OM30775 | MT4 APU13 - 1-13mm | MT 4 | 1-13mm |



MANDRIN DE PERÇAGE AVEC CLÉ HEXAGONALE

- Mandrin de Perçage de haute Précision
- Forte force de serrage dans le sens des aiguille d'une montre et dans le sens opposé
- Haute résistance à l'usure avec les mors en Titane
- Clé Hexagonale de rechange Page 181

| Code Article | Description | Capacité (mm) | Support Conique | Long (mm) | |
|--------------|-------------|---------------|-----------------|-----------|-------|
| | | | | Ouvert | Fermé |
| OM33670 | GHK 13S JT6 | 0.3-13 | JT6 | 95 | 105 |
| OM33671 | GHK 13S B16 | 0.3-13 | B16 | 95 | 105 |
| OM33672 | GHK 16S JT6 | 1.5-16 | JT6 | 104 | 115 |
| OM33673 | GHK 16S B16 | 1.5-16 | B16 | 104 | 115 |



MANDRIN AUTO SERRANT APU

- Pour montage sur des arbres court
- Précision 0 - 25µ
- Clé APU - Page 181

| Code Article | Description | Plage de Ø | Type |
|--------------|-------------|------------|------|
| OM31436 | B16 J0113A | 1-13mm | B16 |
| OM31437 | JT6 J0213A | | JT6 |
| OM31438 | B16 J0116A | 3-16mm | B16 |
| OM31439 | JT6 J0216 | | JT6 |



ARBRE POUR MANDRIN DE PERÇAGE CM CM - JT6 & B16

| Code Article | Description | Cone Morse |
|--------------|---------------------------|------------|
| OM30086 | Adaptateur Cone Morse JT6 | MT 1 |
| OM30087 | | MT 2 |
| OM30088 | | MT 3 |
| OM30089 | | MT 4 |
| OM30090 | | MT 5 |
| OM30091 | Adaptateur Cone Morse B16 | MT 1 |
| OM30092 | | MT 2 |
| OM30093 | | MT 3 |
| OM30094 | | MT 4 |
| OM30095 | | MT 5 |



DÉMONTE CONE STYLE DOUBLE LOGEMENT

- BT Démonte Cone prend également les DIN2080 en position verticale uniquement



| Code Article | Dimension / Type |
|--------------|------------------|
| OM31025 | BT30 |
| OM31099 | BT40 |
| OM31169 | BT50 |
| OM31360 | DV30 / DIN30 |
| OM31217 | DV40 / DIN40 |
| OM31256 | DV50 / DIN50 |

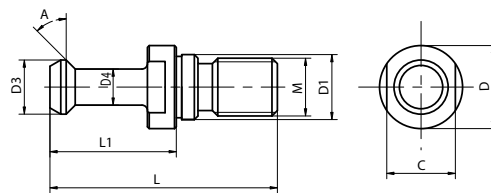
DÉMONTE CONE ROULEMENT À BILLES UN SEUL LOGEMENT

| Code Article | Dimension / Type |
|--------------|------------------|
| OM30282 | HSK50, C5, DV30 |
| OM31482 | BT30 |
| OM31451 | BT40, HSK63, C6 |
| OM31483 | DV40 |
| OM31069 | BT50, HSK100 |



Tirettes BT (MAS)

- Tirettes sans joint torique
- Sans Trou de Lubrification

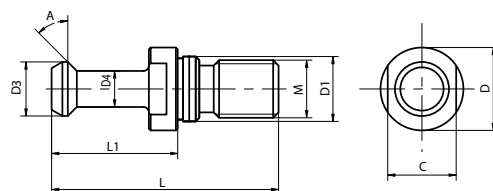


| Code Article | ISO | A | M | Dimensions (mm) | | | | | | |
|--------------|-----|-----|-----|-----------------|----|----|------|----|----|----|
| | | | | L1 | L | D | D1 | D3 | D4 | C |
| OM30100 | 30 | 45° | M12 | 23 | 43 | 16 | 12.5 | 11 | 7 | 13 |
| OM30102 | | 60° | | 23 | 43 | 16 | 12.5 | 11 | 7 | 13 |
| OM30104 | 40 | 45° | M16 | 35 | 60 | 23 | 17 | 15 | 10 | 19 |
| OM30106 | | 60° | | 35 | 60 | 23 | 17 | 15 | 10 | 19 |
| OM30108 | | 90° | | 35 | 60 | 23 | 17 | 15 | 10 | 19 |
| OM30110 | 50 | 45° | M24 | 45 | 85 | 38 | 25 | 23 | 17 | 30 |
| OM30112 | | 60° | | 45 | 85 | 38 | 25 | 23 | 17 | 30 |
| OM30114 | | 90° | | 45 | 85 | 38 | 25 | 23 | 17 | 30 |



Tirettes BT (MAS)

- Tirettes avec joint torique
- Sans Trou de Lubrification

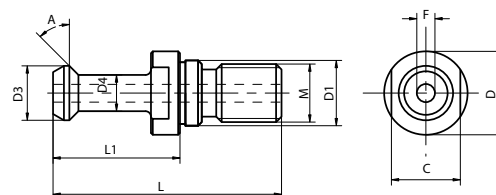


| Code Article | ISO | A | M | Dimensions (mm) | | | | | | |
|--------------|-----|-----|-----|-----------------|----|----|----|----|----|----|
| | | | | L1 | L | D | D1 | D3 | D4 | C |
| OM30150 | 40 | 45° | M16 | 35 | 60 | 23 | 17 | 15 | 10 | 19 |
| OM30151 | | 60° | | 35 | 60 | 23 | 17 | 15 | 10 | 19 |
| OM30152 | | 90° | | 35 | 60 | 23 | 17 | 15 | 10 | 19 |
| OM30153 | 50 | 45° | M24 | 45 | 85 | 38 | 25 | 23 | 17 | 30 |
| OM30154 | | 60° | | 45 | 85 | 38 | 25 | 23 | 17 | 30 |
| OM30155 | | 90° | | 45 | 85 | 38 | 25 | 23 | 17 | 30 |



Tirettes BT (MAS)

- Tirettes sans joint torique
- Avec Trou de Lubrification

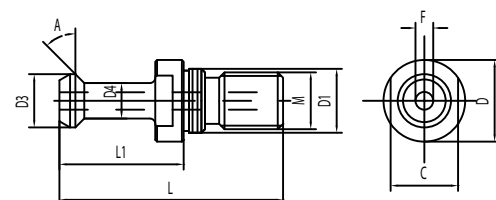


| Code Article | ISO | A | M | Dimensions (mm) | | | | | | | |
|--------------|-----|-----|-----|-----------------|----|----|------|----|----|----|---|
| | | | | L1 | L | D | D1 | D3 | D4 | C | F |
| OM30101 | 30 | 45° | M12 | 23 | 43 | 16 | 12.5 | 11 | 7 | 13 | 3 |
| OM30103 | | 60° | | 23 | 43 | 16 | 12.5 | 11 | 7 | 13 | 3 |
| OM30105 | 40 | 45° | M16 | 35 | 60 | 23 | 17 | 15 | 10 | 19 | 4 |
| OM30107 | | 60° | | 35 | 60 | 23 | 17 | 15 | 10 | 19 | 4 |
| OM30109 | | 90° | | 35 | 60 | 23 | 17 | 15 | 10 | 19 | 4 |
| OM30111 | 50 | 45° | M24 | 45 | 85 | 38 | 25 | 23 | 17 | 30 | 6 |
| OM30113 | | 60° | | 45 | 85 | 38 | 25 | 23 | 17 | 30 | 6 |
| OM30115 | | 90° | | 45 | 85 | 38 | 25 | 23 | 17 | 30 | 6 |



Tirettes BT (MAS)

- Tirettes avec joint torique
- Avec Trou de Lubrification

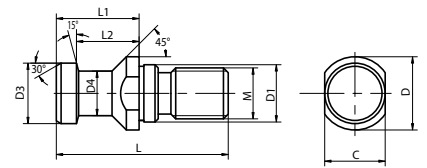


| Code Article | ISO | A | M | Dimensions (mm) | | | | | | | |
|--------------|-----|-----|-----|-----------------|----|----|------|----|----|----|---|
| | | | | L1 | L | D | D1 | D3 | D4 | C | F |
| OM30148 | 30 | 45° | M12 | 23 | 43 | 16 | 12.5 | 11 | 7 | 13 | 3 |
| OM30149 | | 60° | | 23 | 43 | 16 | 12.5 | 11 | 7 | 13 | 3 |
| OM30141 | 40 | 45° | M16 | 35 | 60 | 23 | 17 | 15 | 10 | 19 | 4 |
| OM30142 | | 60° | | 35 | 60 | 23 | 17 | 15 | 10 | 19 | 4 |
| OM30143 | | 90° | | 35 | 60 | 23 | 17 | 15 | 10 | 19 | 4 |
| OM30144 | 50 | 45° | M24 | 45 | 85 | 38 | 25 | 23 | 17 | 30 | 6 |
| OM30145 | | 60° | | 45 | 85 | 38 | 25 | 23 | 17 | 30 | 6 |
| OM30146 | | 90° | | 45 | 85 | 38 | 25 | 23 | 17 | 30 | 6 |



Tirettes DIN 69872 B

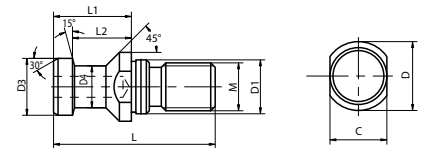
- Tirettes sans joint torique
- Sans Trou de Lubrification



| Code Article | ISO | M | Dimensions (mm) | | | | | | | |
|--------------|-----|-----|-----------------|----|----|----|----|----|----|----|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | C |
| OM30166 | 30 | M12 | 17 | 13 | 13 | 9 | 44 | 24 | 19 | 14 |
| OM30118 | 40 | M16 | 23 | 17 | 19 | 14 | 54 | 26 | 20 | 19 |
| OM30120 | 50 | M24 | 36 | 25 | 28 | 21 | 74 | 34 | 25 | 30 |

Tirettes DIN 69872 B

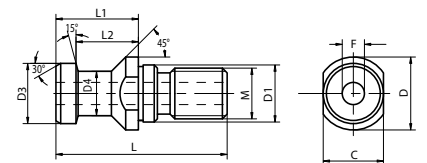
- Tirettes avec joint torique
- Sans Trou de Lubrification



| Code Article | ISO | M | Dimensions (mm) | | | | | | | |
|--------------|-----|-----|-----------------|----|----|----|----|----|----|----|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | C |
| OM30157 | 40 | M16 | 23 | 17 | 19 | 14 | 54 | 26 | 20 | 19 |
| OM30158 | 50 | M24 | 36 | 25 | 28 | 21 | 74 | 34 | 25 | 30 |

Tirettes DIN 69872 A

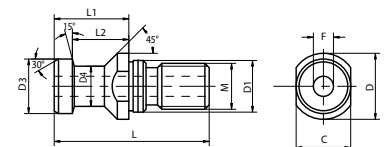
- Tirettes sans joint torique
- Avec Trou de Lubrification



| Code Article | ISO | M | Dimensions (mm) | | | | | | | | |
|--------------|-----|-----|-----------------|----|----|----|----|----|----|----|------|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | C | f |
| OM30116 | 30 | M12 | 17 | 13 | 13 | 9 | 44 | 24 | 19 | 14 | 4 |
| OM30117 | 40 | M16 | 23 | 17 | 19 | 14 | 54 | 26 | 20 | 19 | 7 |
| OM30119 | 50 | M24 | 36 | 25 | 28 | 21 | 74 | 34 | 25 | 30 | 11.5 |

Tirettes DIN 69872 A

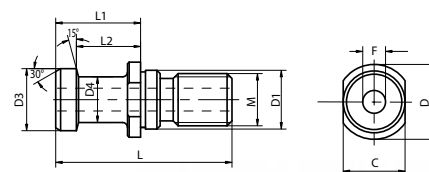
- Tirettes avec joint torique
- Avec Trou de Lubrification
- Identique au code OM17055 DIN 69872 A, mais 3mm plus long



| Code Article | ISO | M | Dimensions (mm) | | | | | | | | |
|--------------|-----|-----|-----------------|----|----|----|----|----|----|----|------|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | C | f |
| OM30132 | 40 | M16 | 23 | 17 | 19 | 14 | 54 | 26 | 20 | 19 | 7 |
| OM17055 | 40 | M16 | 23 | 17 | 19 | 14 | 54 | 29 | 23 | 19 | 7 |
| OM30133 | 50 | M24 | 36 | 25 | 28 | 21 | 74 | 34 | 25 | 30 | 11.5 |

Tirettes ISO 7388/2-A

- Avec Trou de Lubrification
- Sans joint torique

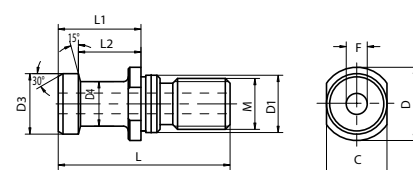


| Code Article | ISO | M | Dimensions (mm) | | | | | | | | |
|--------------|-----|-----|-----------------|----|----|----|----|----|----|----|------|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | C | f |
| OM30121 | 40 | M16 | 23 | 17 | 19 | 14 | 54 | 26 | 20 | 19 | 7 |
| OM30122 | 50 | M24 | 36 | 25 | 28 | 21 | 74 | 34 | 25 | 30 | 11.5 |



Tirettes ISO 7388/2-A

- Avec Trou de Lubrification
- Avec joint torique

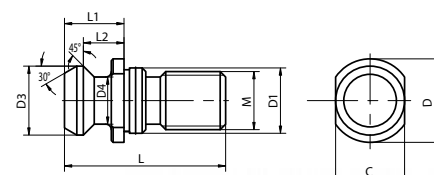


| Code Article | ISO | M | Dimensions (mm) | | | | | | | | |
|--------------|-----|-----|-----------------|----|----|----|----|----|----|----|------|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | C | f |
| OM30160 | 40 | M16 | 23 | 17 | 19 | 14 | 54 | 26 | 20 | 19 | 7 |
| OM30161 | 50 | M24 | 36 | 25 | 28 | 21 | 74 | 34 | 25 | 30 | 11.5 |



Tirettes ISO 7388/2-B

- Sans Trou de Lubrification
- Avec joint torique

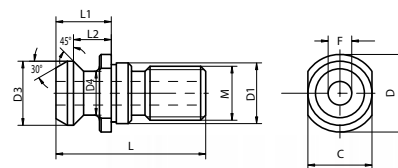


| Code Article | ISO | M | Dimensions (mm) | | | | | | | | |
|--------------|-----|-----|-----------------|----|------|------|------|------|------|----|---|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | C | f |
| OM30167 | 40 | M16 | 22.5 | 17 | 18.9 | 12.9 | 44.5 | 16.4 | 11.2 | 18 | |
| OM30168 | 50 | M24 | 37 | 25 | 29.1 | 19.6 | 65.5 | 25.5 | 17.9 | 30 | |



Tirettes ISO 7388/2-B

- Avec Trou de Lubrification
- Sans joint torique

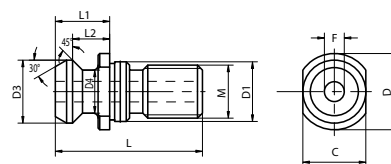


| Code Article | ISO | M | Dimensions (mm) | | | | | | | | |
|--------------|-----|-----|-----------------|----|------|------|------|------|------|----|------|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | C | f |
| OM30123 | 40 | M16 | 22.5 | 17 | 18.9 | 12.9 | 44.5 | 16.4 | 11.2 | 18 | 7.3 |
| OM30124 | 50 | M24 | 37 | 25 | 29.1 | 19.6 | 65.5 | 25.5 | 17.9 | 30 | 11.5 |



Tirettes ISO 7388/2-B

- Avec Trou de Lubrification
- Avec joint torique

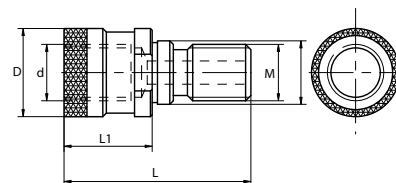


| Code Article | ISO | M | Dimensions (mm) | | | | | | | | |
|--------------|-----|-----|-----------------|----|------|------|------|------|------|----|------|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | C | f |
| OM30135 | 40 | M16 | 22.5 | 17 | 18.9 | 12.9 | 44.5 | 16.4 | 11.2 | 18 | 7.3 |
| OM30159 | 50 | M24 | 37 | 25 | 29.1 | 19.6 | 65.5 | 25.5 | 17.9 | 30 | 11.5 |



Tirettes Adaptateur DIN 2080

- Avec Trou de Lubrification et filetage intérieur

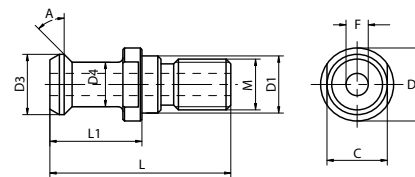


| Code Article | ISO | M | Dimensions (mm) | | | | |
|--------------|------|-----|-----------------|------|----|----|----|
| | | | d | D | D1 | L | L1 |
| OM16980 | DV40 | M16 | M16 | 25.3 | 17 | 53 | 25 |
| OM30169 | BT40 | M16 | M16 | 25.3 | 17 | 56 | 28 |
| OM18434 | 50 | M25 | M24 | 39.6 | 25 | 65 | 25 |



Tirettes JIS. B6339

- Avec Trou de Lubrification
- Sans joint torique

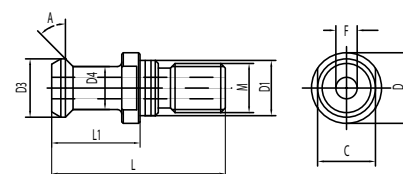


| Code Article | ISO | A | M | Dimensions (mm) | | | | | | | |
|--------------|-----|-----|-----|-----------------|----|----|----|----|----|----|----|
| | | | | D | D1 | D3 | D4 | L | L1 | C | f |
| OM30125 | 40 | 15° | M16 | 23 | 17 | 19 | 14 | 54 | 29 | 19 | 7 |
| OM30126 | 50 | 15° | M24 | 38 | 25 | 28 | 21 | 74 | 34 | 30 | 10 |



Tirettes JIS. B6339

- Avec Trou de Lubrification
- Avec joint torique

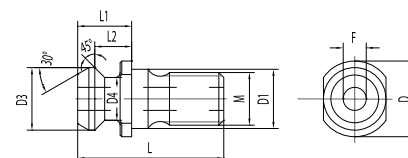


| Code Article | ISO | A | M | Dimensions (mm) | | | | | | | |
|--------------|-----|-----|-----|-----------------|----|----|----|----|----|----|----|
| | | | | D | D1 | D3 | D4 | L | L1 | C | f |
| OM30162 | 40 | 15° | M16 | 23 | 17 | 19 | 14 | 54 | 29 | 19 | 7 |
| OM30163 | 50 | 15° | M24 | 38 | 25 | 28 | 21 | 74 | 34 | 30 | 10 |



Tirettes Mazak

- Avec Trou de Lubrification
- Sans joint torique

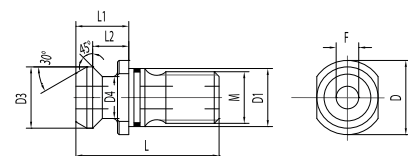


| Code Article | ISO | M | Dimensions (mm) | | | | | | | |
|--------------|-----|-----|-----------------|----|-------|-------|-------|-------|-------|----|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | f |
| OM30129 | 40 | M16 | 21.8 | 17 | 18.79 | 12.44 | 41.25 | 16.25 | 11.17 | 7 |
| OM30130 | 40 | M16 | 22 | 17 | 18.79 | 12.44 | 44.1 | 19.1 | 14.02 | 7 |
| OM30131 | 50 | M24 | 37 | 25 | 28.95 | 20.8 | 65.2 | 25.2 | 17.58 | 10 |
| OM30499 | 50 | M24 | 35.5 | 25 | 28.95 | 20.8 | 65.4 | 25.4 | 17.78 | 10 |



Tirettes Mazak

- Avec Trou de Lubrification
- Avec joint torique

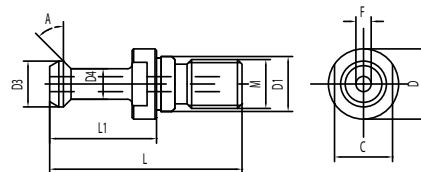


| Code Article | ISO | M | Dimensions (mm) | | | | | | | |
|--------------|-----|-----|-----------------|----|-------|-------|-------|-------|-------|---|
| | | | D | D1 | D3 | D4 | L | L1 | L2 | f |
| OM30164 | 40 | M16 | 21.8 | 17 | 18.79 | 12.44 | 41.25 | 16.25 | 11.17 | 7 |
| OM30165 | 40 | M16 | 22 | 17 | 18.79 | 12.44 | 44.1 | 19.1 | 14.02 | 7 |



Tirettes HAAS

- Avec Trou de Lubrification
- Identique a JIS B 6399 (MAS 403 BT), mais 3mm plus court
- Sans joint torique

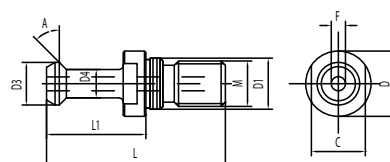


| Code Article | ISO | A | M | Dimensions (mm) | | | | | | | |
|--------------|-----|-----|-----|-----------------|----|----|----|----|----|----|---|
| | | | | L1 | L | D | D1 | D3 | D4 | C | F |
| OM30134 | 40 | 45° | M16 | 32 | 57 | 23 | 17 | 15 | 10 | 19 | 7 |



Tirettes HAAS

- Avec Trou de Lubrification
- Identique a JIS B 6399 (MAS 403 BT), mais 3mm plus court
- Avec joint torique

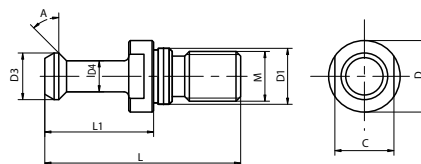


| Code Article | ISO | A | M | Dimensions (mm) | | | | | | | |
|--------------|-----|-----|-----|-----------------|----|----|----|----|----|----|---|
| | | | | L1 | L | D | D1 | D3 | D4 | C | F |
| OM30156 | 40 | 45° | M16 | 32 | 57 | 23 | 17 | 15 | 10 | 19 | 7 |



Tirettes Cincinnati

- Avec Trou de Lubrification
- Sans joint torique



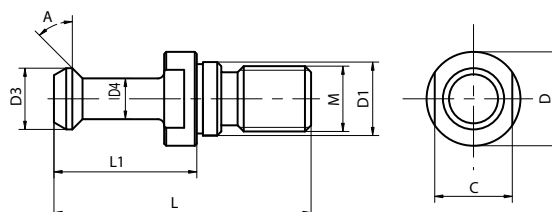
| Code Article | ISO | M | Dimensions (mm) | | | | | | |
|--------------|-----|-----|-----------------|----|----|------|------|------|----|
| | | | D | D1 | D3 | D4 | L | L1 | C |
| OM30127 | 40 | M16 | 22.2 | 17 | 15 | 10.3 | 67.3 | 39.4 | 19 |
| OM30128 | 40 | M16 | 22.2 | 17 | 15 | 10.3 | 64.3 | 36.6 | 18 |



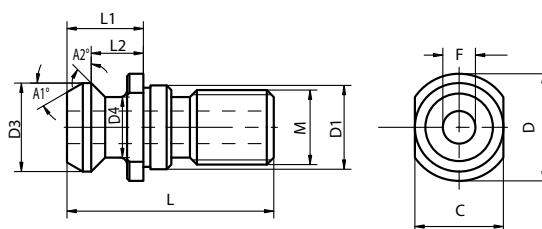
TIRETTES SPÉCIALES

- Toute tirettes peuvent être identifiées et fabriquées selon des exigences spécifiques, avec les informations suivantes:

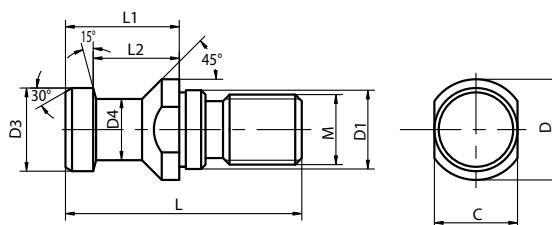
| | |
|----------------------------|--|
| • A = | |
| L = | |
| L1 = | |
| D = | |
| D1 = | |
| D3 = | |
| D4 = | |
| C = | |
| M = | |
| Avec Trou de Lubrification | |



| | |
|----------------------------|--|
| A1° = | |
| A2° = | |
| L = | |
| L1 = | |
| L2 = | |
| D = | |
| D1 = | |
| D3 = | |
| D4 = | |
| C = | |
| M = | |
| F = | |
| Avec Trou de Lubrification | |



| | |
|----------------------------|--|
| L = | |
| L1 = | |
| L2 = | |
| D = | |
| D1 = | |
| D3 = | |
| D4 = | |
| C = | |
| M = | |
| Avec Trou de Lubrification | |



Mini Ecrou de Pince

- Mini Ecrou de Pince ER

| Code Article | Pince | Type D'Ecrou | Ø d'écrou (mm) |
|--------------|-------|------------------|----------------|
| OM31418 | ER8 | Mini Ecrou (GMT) | 12 |
| OM31414 | ER11 | | 16 |
| OM31415 | ER16 | | 22 |
| OM31416 | ER20 | | 28 |
| OM31417 | ER25 | | 35 |



Ecrou hexagonal pour Pincés ER

| Code Article | Pince | Type D'Ecrou | Ø d'écrou (mm) |
|--------------|-------|----------------------------|----------------|
| OM31425 | ER11 | Ecrou Hex pour Pince (GSX) | 19 |
| OM31426 | ER16 | | 28 |
| OM31427 | ER20 | | 34 |



Ecrou pour Pincés ER Standard

| Code Article | Pince | Type D'Ecrou | Ø d'écrou (mm) |
|--------------|-------|----------------------------------|----------------|
| OM31419 | ER16 | Ecrou de Pince ER Standard (GST) | 32 |
| OM31420 | ER20 | | 35 |
| OM31421 | ER25 | | 42 |
| OM31422 | ER32 | | 50 |
| OM31423 | ER40 | | 63 |
| OM31424 | ER50 | | 78 |



Ecrou pour Pincés ER32 Court

- Ecrou pour Mandrin à Pincés BT40/DV40 ER32 Extra Court

| Code Article | Pince | Type D'Ecrou | Ø d'écrou (mm) |
|--------------|-------|--------------|----------------|
| OM31445 | ER32 | Ecrou court | 36 |



Ecrou OZ

- Ecrou pour Mandrin à Pince OZ

| Code Article | Pince | Type D'Ecrou | Ø d'écrou (mm) |
|--------------|-------|-------------------|----------------|
| OM30491 | OZ 25 | Ecrou Standard OZ | 60 |
| OM31968 | OZ 32 | | 72 |



Ecrou Mandrin à Pince GSK

- Ecrou de Mandrin porte Pince GSK Equilibré à haute vitesse

| Code Article | Pince | Type D'Ecrou | Ø d'écrou (mm) |
|--------------|--------|---------------------------------|----------------|
| OM30614 | GSK 06 | Ecrou Equilibré à haute vitesse | 19.5 |
| OM30615 | GSK 10 | | 27 |
| OM30616 | GSK 16 | | 40 |
| OM30617 | GSK 25 | | 55 |



Ecrou à Goupille ER25A

- Ecrou pour Mandrin Flottant

| Code Article | Description | Diamètre d'écrou (mm) |
|--------------|---------------------------|-----------------------|
| OM32509 | Ecrou à Goupille UM ER25A | 23.6 |



Chasse Cône

- Chasse Cône pour éjection de cône morse

| Code Article | Ejecteur de cône |
|--------------|------------------|
| OM34694 | 0 |
| OM34695 | 1&2 |
| OM34696 | 3 |
| OM34697 | 4 |
| OM34698 | 5&6 |



Pièces détaché pour Mandrin Hydraul.



| Code Article | Description |
|--------------|--|
| OM32184 | Clé Hex. HC 5mm |
| OM32247 | Extracteur de Pince sur Mandrin Hydraul. |

Mini Clé

- Clé pour Mandrin à Pince Mini ER



| Code Article | Type de Pince | Type de Clé |
|--------------|---------------|----------------|
| OM31400 | ER8 | Clé Mini (CMT) |
| OM31401 | ER11 | |
| OM31402 | ER16 | |
| OM31403 | ER20 | |
| OM31404 | ER25 | |

Buses de Lubrification HSK



| Code Article | Description |
|--------------|----------------------|
| OM30173 | Buse de Lub. HSK63A |
| OM30174 | Buse de Lub. HSK100A |

Clé Hexagonale

- Clé pour écrou de pince ER hexagonaux



| Code Article | Type de Pince | Type de Clé |
|--------------|---------------|----------------------|
| OM31411 | ER11 | Clé Hexagonale (CSX) |
| OM31412 | ER16 | |
| OM31413 | ER20 | |

Clé pour Buses de Lubrification HSK



| Code Article | Description |
|--------------|--|
| OM32523 | Clé pour Buses de Lubrification HSK 63A |
| OM32539 | Clé pour Buses de Lubrification HSK 100A |

Clé Standard

- Clé pour écrou de pince ER Standard



| Code Article | Type de Pince | Type de Clé |
|--------------|---------------|--------------------|
| OM31405 | ER16 | Clé Standard (CST) |
| OM31406 | ER20 | |
| OM31407 | ER25 | |
| OM31408 | ER32 | |
| OM31409 | ER40 | |
| OM31410 | ER50 | |

Bouchon d'Étanchéité HSK



| Code Article | Description |
|--------------|-------------------------|
| OM32540 | Bouchon HSK63A M18x1 |
| OM32541 | Bouchon HSK100A M24x1,5 |

CLÉ GSK

- Clé à rouleau pour écrou de Mandrin à Pince GSK



| Code Article | Type de Pince | Type de Clé |
|--------------|---------------|------------------------------|
| OM30610 | GSK 06 | Clé à rouleau pour Écrou GSK |
| OM30611 | GSK 10 | |
| OM30612 | GSK 16 | |
| OM30613 | GSK 25 | |

Clé courte ER32

- Clé pour Mandrin BT40/DV40 ER32 Extra Court



| Code Article | Type de Pince | Type de Clé |
|--------------|---------------|-------------------------------|
| OM31446 | ER32 | Clé pour BT40/DV40 ER32 court |

Clé OZ

- Clé pour Ecrue de Pince OZ



| Code Article | Dim. de Pince | Type de Clé |
|--------------|---------------|--------------|
| OM30492 | OZ 25 | Clé Standard |
| OM30493 | OZ 32 | |

Clé pour mandrin à pince cylindrique

- Clé pour mandrin à pince à fort serrage



| Code Article | Type de Pince | Type de Clé |
|--------------|---------------|---|
| OM33028 | SC 20 / 25mm | Clé pour Mandrin à fort serrage |
| OM33029 | SC 32mm | |
| OM31166 | UPMC 20mm | Clé pour Mandrin standard à fort serrage UPMC |
| OM31168 | UPMC 32mm | |

Clé hexagonale pour mandrin de perçage

- Clé hexagonale pour mandrin de perçage Standard



| Code Article | Capacité du mandrin de perçage | Description |
|--------------|--------------------------------|--------------------|
| OM33680 | 1-13mm, 1-16mm | Clé Hex 6mm x 130L |

Clé pour Mandrin de Perçage

- Clé pour Mandrin de Perçage auto serrant



| Code Article | Capacité du mandrin de perçage | Type de Clé |
|--------------|--------------------------------|-------------|
| OM31428 | 1-13mm | Clé APU 13 |
| OM31429 | 1-16mm | Clé APU 16 |
| OM33499 | 1-13mm | Clé NCDC 13 |

Clé pour Ecrue à goupille ER25A

- Clé Ecrue de Mandrin Flottant



| Code Article | Description |
|--------------|-------------------|
| OM32510 | Type de Clé ER25A |

Clé Mandrin Porte fraise à trou Combi

- Clé pour écrou en croix de mandrin Combi



| Code Article | Dim. de Pince | Type de Clé |
|--------------|---------------|-------------------------------|
| OM31440 | 16 | Clé pour écrou en croix Combi |
| OM31441 | 22 | |
| OM31442 | 27 | |
| OM31443 | 32 | |
| OM31444 | 40 | |

Clé Hexag. Pour mandrin DMC



| Code Article | Description |
|--------------|--------------------------------|
| OM31543 | Clé Hex. Longue pour DMC 4x200 |
| OM31544 | Clé Hex. Longue pour DMC 5x200 |
| OM31545 | Clé Hex. Longue pour DMC 6x200 |

Nettoyeur de Cone

| Code Article | Taper |
|--------------|----------|
| OM19227 | BT/DV 30 |
| OM19229 | BT/DV 40 |
| OM19231 | BT/DV 50 |
| OM31962 | HSK 63 |



Bague d'Entrainement pour Mandrin Porte Fraise Combi

| Code Article | Pilot Diameter (mm) |
|--------------|---------------------|
| OM16313 | 16 |
| OM16315 | 22 |
| OM16317 | 27 |
| OM16319 | 32 |
| OM16321 | 40 |



Vis de Serrage pour Mandrin Porte Fraise

| Code Article | Diamètre Weldon (mm) | M |
|--------------|-------------------------|--------------|
| OM31452 | 6 | M6 |
| OM31453 | 8 | M8 |
| OM31454 | 10 | M10 |
| OM31455 | 12 | M12 |
| OM31456 | 16 & 18 | M14 |
| OM31457 | 20 | M16 |
| OM31456 | 20 x 35mm Long de jauge | M14 |
| OM31458 | 25 | M18 x 2 |
| OM31456 | 25 x 35mm Long de jauge | M14 |
| OM31454 | 25 x 70mm Long de jauge | M10 |
| OM31459 | 32 | M20 x 2 x 20 |
| OM31454 | 32 x 65mm Long de jauge | M10 |
| OM31460 | 40 | M20 x 2 x 25 |



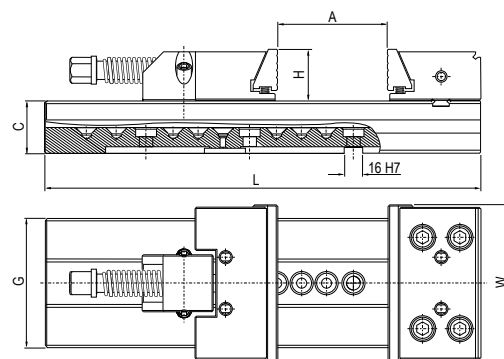
Vis de Butée Arrière pour Mandrin Porte Pince ER

| Code Article | Type de Mandrin ER | M |
|--------------|--------------------|---------|
| OM31955 | ER11 | M6 |
| OM31956 | ER11 | M8 |
| OM31957 | ER16 | M11x1 |
| OM31958 | ER20 | M14x1 |
| OM31959 | ER25 | M18x1.5 |
| OM31960 | ER32 | M22x1.5 |
| OM31961 | ER40 | M28x1.5 |



Etaux Modulaires de Precision

- Glissières Trempées et Rectifiées
- Traitement de surface durescée 60HRC +/-2
- Adapté pour la plus part des centres d'usinage



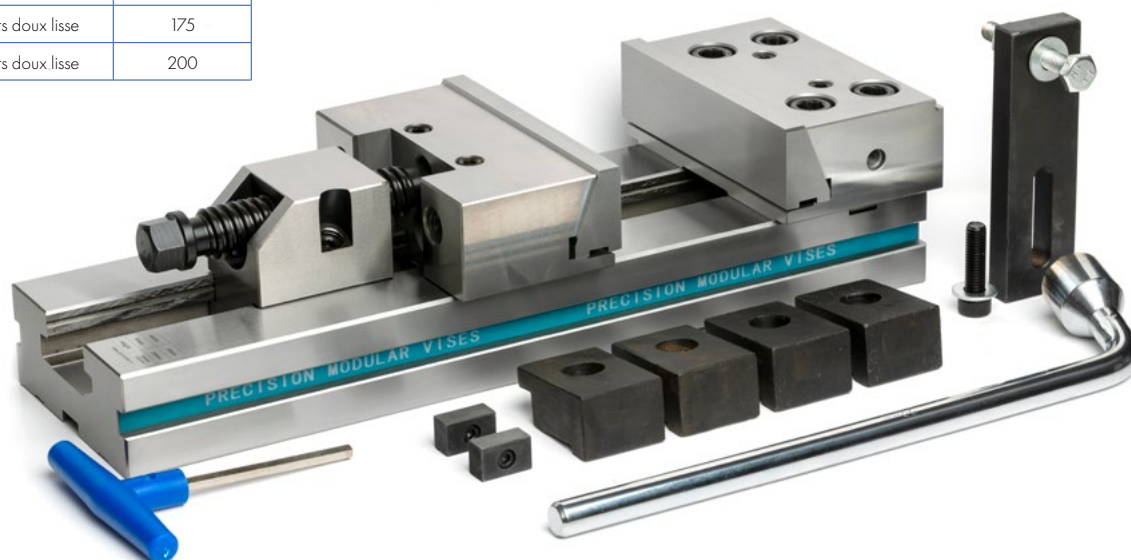
| Code Article | Dimensions (mm) | | | | | | Force de Serrage (KG) |
|--------------|-----------------|-----|-----|----|----|-----|-----------------------|
| | W | A | L | H | C | G | |
| OM20310 | 100 | 100 | 270 | 30 | 35 | 75 | 3000 |
| OM20311 | 125 | 150 | 345 | 40 | 40 | 95 | 3000 |
| OM20312 | 150 | 200 | 420 | 50 | 50 | 125 | 5000 |
| OM20313 | 150 | 300 | 520 | 50 | 50 | 125 | 5000 |
| OM20314 | 175 | 300 | 555 | 60 | 58 | 145 | 6000 |
| OM20315 | 175 | 400 | 655 | 60 | 58 | 145 | 6000 |
| OM20319 | 200 | 300 | 595 | 65 | 70 | 170 | 10000 |
| OM20320 | 200 | 400 | 695 | 65 | 70 | 170 | 10000 |

Mors de rechange pour Etaux Modulaire

| Code Article | Type de Mors | Largeur (mm) |
|--------------|--------------|--------------|
| OM20302 | Lisse | 100 |
| OM20303 | Rainuré | 100 |
| OM20304 | Lisse | 125 |
| OM20305 | Rainuré | 125 |
| OM30189 | Lisse | 150 |
| OM30190 | Rainuré | 150 |
| OM20306 | Lisse | 175 |
| OM20307 | Rainuré | 175 |
| OM20308 | Lisse | 200 |
| OM20309 | Rainuré | 200 |



| | | |
|---------|-----------------|-----|
| OM20330 | Mors doux lisse | 100 |
| OM20331 | Mors doux lisse | 125 |
| OM20332 | Mors doux lisse | 150 |
| OM20333 | Mors doux lisse | 175 |
| OM20334 | Mors doux lisse | 200 |



CHARGES LOURDES ET HAUTE VITESSE 'TYPE R' MODÈLE POINTES TOURNANTES

- Capable de tourner à haute vitesse avec une charge lourde sur machine CNC
- Etanche de haute qualité, avec graisse haute performance

POINTE STANDARD

| Code Article | Cone Morse | Diam Tête (mm) | Long Pointe x Dia (mm) | Vitesse Max | Charge Max (kg) | Concentricité (mm) |
|--------------|------------|----------------|------------------------|-------------|-----------------|--------------------|
| OM15701 | CM3 | 62 | 34 x 28 | 4500 | 375 | 0.008 |
| OM15702 | CM4 | 68 | 41 x 32 | 3450 | 600 | 0.008 |
| OM15703 | CM5 | 87 | 51 x 38 | 2700 | 1500 | 0.008 |
| OM15704 | CM6 | 102 | 57.5 x 50 | 2300 | 2600 | 0.015 |

POINTE ALLONGEE

| Code Article | Cone Morse | Diam Tête (mm) | Long Pointe x Dia (mm) | Vitesse Max | Charge Max (kg) | Concentricité (mm) |
|--------------|------------|----------------|------------------------|-------------|-----------------|--------------------|
| OM15705 | CM3 | 62 | 51 x 28 | 4500 | 300 | 0.008 |
| OM15706 | CM4 | 68 | 54.5 x 32 | 3450 | 375 | 0.008 |
| OM15707 | CM5 | 87 | 65 x 38 | 2700 | 900 | 0.008 |
| OM15708 | CM6 | 102 | 81 x 50 | 2300 | 2600 | 0.015 |



UTILISATION MEDIUM, ENCOMBREMENT RÉDUIT

- Utilisation à très haute vitesse avec charge moyenne
- Pour des charges moyennes et légères uniquement
- Trempé et de grande Précision

PROFIL DES POINTES

| Code Article | Cone Morse | Dimensions (mm) | | | | | | | | Charge Max (kg) | Concentricité (mm) | Vitesse Max |
|--------------|------------|-----------------|----|----|--------|----|------|----|-------|-----------------|--------------------|-------------|
| | | d | d1 | D | D1 | L1 | L2 | L3 | L | | | |
| OM15796 | MT 3 | 15 | 8 | 34 | 23.825 | 30 | 48.5 | 16 | 81.0 | 200 | 0.008 | 6300 |
| OM15797 | MT 4 | 20 | 10 | 42 | 31.267 | 38 | 46.0 | 20 | 102.5 | 300 | 0.008 | 5600 |
| OM15798 | MT 5 | 32 | 14 | 68 | 44.399 | 53 | 78.0 | 28 | 129.5 | 800 | 0.015 | 3300 |



UTILISATION MEDIUM, ENCOMBREMENT RÉDUIT POINTES TOURNANTES

- Excellent pour les problèmes d'accès, encombrement réduit
- Utilisation à très haute vitesse avec charge moyenne
- Etanche de haute qualité, avec graisse haute performance
- Trempé et de grande Précision

POINTE STANDARD

| Code Article | Cone Morse | Diam Tête (mm) | Long Pointe x Dia (mm) | Vitesse Max | Charge Max (kg) | Concentricité (mm) |
|--------------|------------|----------------|------------------------|-------------|-----------------|--------------------|
| OM15709 | CM2 | 34 | 19 x 15 | 6300 | 150 | 0.008 |
| OM15710 | CM3 | 34 | 19 x 15 | 6300 | 375 | 0.008 |
| OM15711 | CM4 | 42 | 25 x 20 | 5600 | 600 | 0.008 |
| OM15712 | CM5 | 68 | 41 x 32 | 3300 | 1500 | 0.015 |

POINTE ALLONGEE

| Code Article | Cone Morse | Diam Tête (mm) | Long Pointe x Dia (mm) | Vitesse Max | Charge Max (kg) | Concentricité (mm) |
|--------------|------------|----------------|------------------------|-------------|-----------------|--------------------|
| OM15713 | CM2 | 34 | 29 x 15 | 6300 | 125 | 0.008 |
| OM15714 | CM3 | 34 | 30 x 15 | 6300 | 250 | 0.008 |
| OM15715 | CM4 | 42 | 38 x 20 | 5600 | 375 | 0.008 |
| OM15716 | CM5 | 68 | 53 x 32 | 3300 | 900 | 0.015 |



STANDARD MODÈLE COMPACT

- Utilisation pour application medium & légère sur machine conventionnelle à vitesse lente
- Etanche pour éviter que l'huile de coupe ou les copeaux s'introduisent

POINTE STANDARD

| Code Article | Cone Morse | Diam Tête (mm) | Long Pointe x Dia (mm) | Vitesse Max | Charge Max (kg) | Concentricité (mm) |
|--------------|------------|----------------|------------------------|-------------|-----------------|--------------------|
| OM15717 | CM1 | 46.5 | 26 x 18 | 4000 | 25 | 0.015 |
| OM15718 | CM2 | 50 | 31 x 23 | 3000 | 50 | 0.015 |
| OM15719 | CM3 | 62 | 38 x 30 | 2500 | 75 | 0.015 |
| OM15720 | CM4 | 62 | 38 x 30 | 2200 | 100 | 0.015 |
| OM15721 | CM5 | 68 | 42 x 34 | 1500 | 150 | 0.015 |



POINTES SÈCHE STANDARD

- 60°
- Trempé et de grande Précision

| Code Article | Cone Morse | Description |
|--------------|------------|-------------------------------|
| OM15722 | CM1 | DG1 60 degree Trempé/Rectifié |
| OM15723 | CM2 | DG2 60 degree Trempé/Rectifié |
| OM15724 | CM3 | DG3 60 degree Trempé/Rectifié |
| OM15725 | CM4 | DG4 60 degree Trempé/Rectifié |
| OM15726 | CM5 | DG5 60 degree Trempé/Rectifié |



POINTES SÈCHE DEMI BOUT

- 60°
- Trempé et de grande Précision

| Code Article | Cone Morse | Description |
|--------------|------------|-------------------------------|
| OM15727 | CM1 | DH1 60 degree Trempé/Rectifié |
| OM15728 | CM2 | DH2 60 degree Trempé/Rectifié |
| OM15729 | CM3 | DH3 60 degree Trempé/Rectifié |
| OM15730 | CM4 | DH4 60 degree Trempé/Rectifié |
| OM15731 | CM5 | DH5 60 degree Trempé/Rectifié |



POINTES SÈCHE BOUT CARBURE

- 60°
- Trempé et de grande Précision

| Code Article | Cone Morse | Description |
|--------------|------------|----------------------------|
| OM15732 | CM1 | DE1 60 degree Bout Carbure |
| OM15733 | CM2 | DE2 60 degree Bout Carbure |
| OM15734 | CM3 | DE3 60 degree Bout Carbure |
| OM15735 | CM4 | DE4 60 degree Bout Carbure |
| OM15736 | CM5 | DE5 60 degree Bout Carbure |



POINTES SÈCHE BOUT CARBURE DEMI BOUT

- 60°
- Trempé et de grande Précision

| Code Article | Cone Morse | Description |
|--------------|------------|----------------------------|
| OM15737 | CM1 | DH1 60 degree Bout Carbure |
| OM15738 | CM2 | DH2 60 degree Bout Carbure |
| OM15739 | CM3 | DH3 60 degree Bout Carbure |
| OM15740 | CM4 | DH4 60 degree Bout Carbure |
| OM15741 | CM5 | DH5 60 degree Bout Carbure |



DV40 UPMC20105 AD

G6.3 15.000 U/min



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VERSION 3 09.23