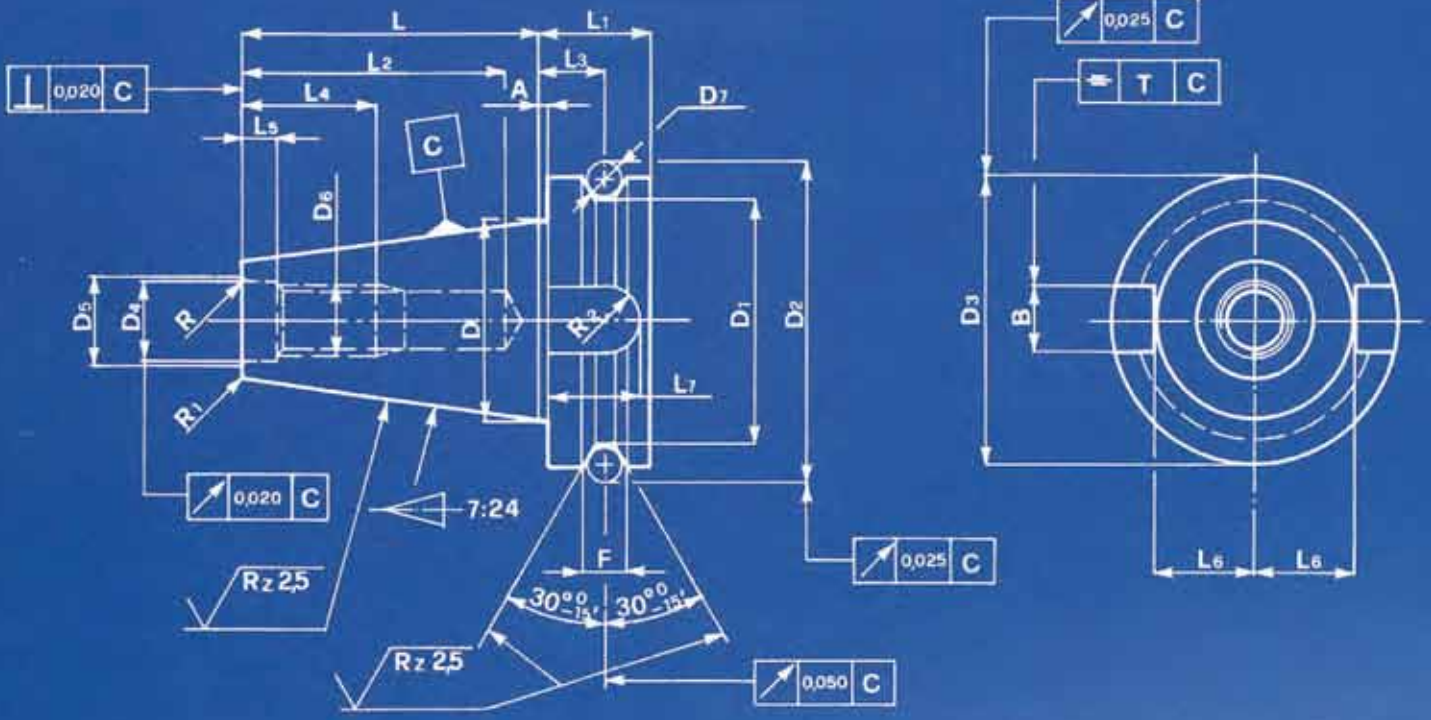


MAS 403BT



Cono - Size 40 50

| | | |
|--------------------|--------|---------|
| A ±0,2 | 2 | 3 |
| B H12 | 16,1 | 25,7 |
| D | 44,45 | 69,85 |
| D1 ^{-0,1} | 53 | 85 |
| D2 ⁰ | 69,679 | 106,980 |
| D3 ⁰ | 63 | 100 |
| D4 H7 | 17 | 25 |
| D5 ⁰ | 19 | 27 |
| D6 ⁰ | M16 | M24 |
| D7 | 8 | 12 |
| F ^{+0,1} | 10 | 15 |

Cono - Size 40 50

| | | |
|-----------------|------|-------|
| L ±0,2 | 65,4 | 101,8 |
| L1 | 27 | 38 |
| L2 | 60 | 90 |
| L3 ±0,1 | 16,6 | 23,2 |
| L4 | 30 | 45 |
| L5 ±0,1 | 8 | 11 |
| L6 ⁰ | 22,6 | 35 |
| L7 | 21 | 31 |
| R | 2 | 4 |
| R1 | 1 | 1 |
| R2 | 8,05 | 12,85 |
| T | 0,12 | 0,20 |

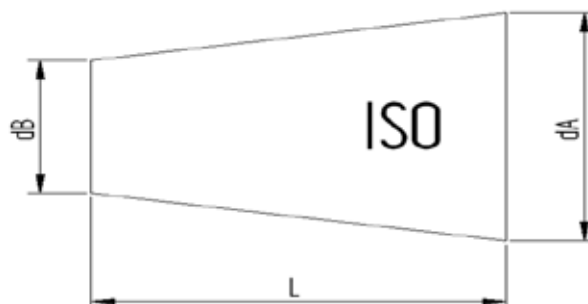


TUTTI I MANDRINI PORTAUTENSILI PAGNONI VENGONO PRODOTTI SECONDO LE NORMATIVE DIN

TOLLERANZA DEL CONO

PRODOTTI IN CLASSE **AT3**

| ISO | L | dA - dB | AT3 |
|-----|----|---------|---------|
| 30 | 42 | 12.250 | + 0.002 |
| 40 | 59 | 17.208 | + 0.003 |
| 50 | 92 | 26.833 | + 0.004 |



COASSIALITA' PORTAPINZE

La norma DIN6391 ammette un'errore massimo di 0.016 sia per i portapinze DIN6499 che per i portapinze DIN 6388.

La nostra produzione normalmente presenta uno scostamento massimo di eccentricità tra cono ISO e sede pinza compreso tra i 0,003 mm e 0,010 mm.

COASSIALITA' PORTAFRESE FISSI E COMBINATI

I portafrese fissi e combinati di nostra produzione rispondono ai criteri prescritti dalla norma DIN6358, la quale prevede un errore massimo di coassialità tra cono ISO 30 e ISO 40 ed i diametri 16 / 22 / 27 / 32 / 40, di 0,01.

Mentre per ISO 50 è ammesso un errore massimo di 0,015 mm.

COASSIALITA' PORTAFRESE WELDON

Rispettando la normativa DIN 6359-1 i portafrese WELDON devono rispondere ai seguenti requisiti:

Foro: tolleranza H5

Coassialità: scostamento massimo consentito tra cono e sede WELDON <0.01 (solo per ISO 40)

Garantiamo la tolleranza prescritta sul foro e un valore di coassialità mediamente di 0.005

EQUILIBRATURA

La maggior parte dei portautensili presenti in questa categoria sono prebilanciati in classe G 6,3 a 8.000 rpm min⁻¹. oppure bilanciati in classe G 6,3 a 12.000 rpm min⁻¹.

DATI COSTRUTTIVI

- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,4 - 0,5 mm.
- Temprati e rinvenuti.
- Durezza HRC 58 ± 2 resistenza 800-1000 N / mm².
- Bruniti
- Finitura di rettifica interna, esterna e nelle filettature delle ghiere chiudipinza.

EQUILIBRATURA MANDRINI PER ALTE VELOCITA'

Eventuali bilanciature supplementari sui nostri mandrini vengono eseguite su richiesta cliente, con una classe massima di bilanciatura di G 2,5 a 25.000 rpm.

DATI COSTRUTTIVI PER MANDRINI PER ALTE VELOCITA'

- Costruiti in acciaio da cementazione legato.
- Cementati con profondità 0,4 - 0,5 mm.
- Temprati e rinvenuti.
- Durezza HRC 58 ± 2 resistenza 800-1000 N / mm².
- Bruniti
- Finitura di rettifica interna, esterna e nelle filettature delle ghiere chiudipinza.
- Collaudati 100% con strumenti di misura certificati e forniti con certificato di bilanciatura.

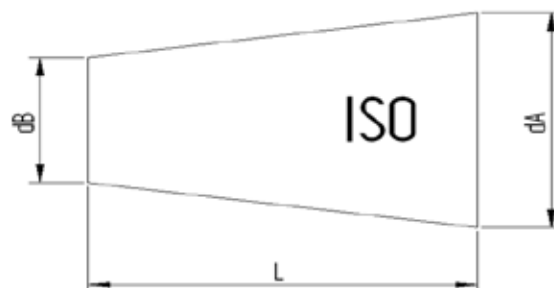


ALL PAGNONI TOOLHOLDERS ARE MANUFACTURED ACCORDING TO DIN NORM.

CONE'S TOLERANCE

ACCORDING TO THE CLASS **AT3**

| ISO | L | dA - dB | AT3 |
|-----|----|---------|---------|
| 30 | 42 | 12.250 | + 0.002 |
| 40 | 59 | 17.208 | + 0.003 |
| 50 | 92 | 26.833 | + 0.004 |



COLLET CHUCK'S RUNOUT ACCURACY

The norm DIN6391 permits a runout error between external cone and internal cone / collet of 0.016
Our production has a runout accuracy which is guaranteed to be within 0,003 / 0,010 mm at the tool seat.

SHELL END MILL ADAPTOR'S RUNOUT ACCURACY

Our shell end mill adaptors meet the requirements of the norm DIN6358, which prescribes for diameters 16 / 22 / 27 / 32 / 40 a runout accuracy of: 0,01 for SK 30 / 40 and 0,015 for SK50.

WELDON END MILL HOLDER'S RUNOUT ACCURACY

According to the DIN6359-1 Weldon end mill holders have to meet the following requirements:

Bore: H5 tolerance

Runout accuracy: <0.01 (for SK40)

Our end mill adaptors ensure the prescribed holes' tolerance and have a runout accuracy which is normally 0.005

BALANCING

The major part of toolholders of this category can run up to 8.000 rpm grade G 6,3 or 12.000 rpm.
Besides the descriptive and dimensional table of products, you can find the additive balancing grade.

CONSTRUCTIVE FEATURES

- Manufactured with Casehardening Steel.
- Casehardened with depth 0,4 - 0,5 mm.
- Hardened-Tempered.
- Hardness HRC 58 ± 2, strenght 800-1000 N / mm2.
- Black oxided.
- Internal and external grinding finished.

HIGH-SPEED BALANCING TOOLHOLDERS

Any additional balancing on our toolholders are carried out on client request, with a class maximum of balancing of 25.000 rpm grade G 2,5.

CONSTRUCTIVE FEATURES FOR HIGH-SPEED TOOLHOLDERS

- Manufactured with Casehardening Steel.
- Casehardened with depth 0,4 - 0,5 mm.
- Hardened-Tempered.
- Hardness HRC 58 ± 2, strenght 800-1000 N / mm2.
- Black oxided.
- Internal and external grinding finished of the cone.
- Grinding finish on the front side and on the thread of collet nuts.
- Tested 100% with certified measuring instruments and supplied with balancing certificate.

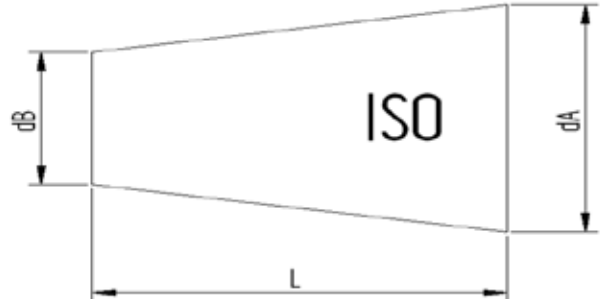


Alle Pagnoni - steilkegelaufnahmen werden nach den DIN-Normen angefertigt.

KEGELSCHAFTTOLERANZ

In Klasse **AT3** angefertigt.

| ISO | L | dA - dB | AT3 |
|-----|----|---------|---------|
| 30 | 42 | 12.250 | + 0.002 |
| 40 | 59 | 17.208 | + 0.003 |
| 50 | 92 | 26.833 | + 0.004 |



RUNDLAUFGENAUIGKEIT DER SPANNZANGENAUFNAHME

Die DIN 639-Norm schreibt eine Rundlaufgenauigkeit zwischen Aussenkegel und Innenkegel/Spanzangensitz vom 0,016 vor. Unsere Spanzangenfutter weisen einen Rundlauffehler zwischen ISO-Kegelaufnahme und Spanzangensitz, der zwischen 0,003 und 0,010 mm liegt.

AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT

Pagnoni-Aufsteckfräsdorne entsprechen der DIN 6358-Norm, die einen höchsten Rundlauffehler zwischen ISO 30- und ISO 40- Kegel und den Durchmessern 16 / 22 / 27 / 32 / 40 vom 0,01 vorsieht.

Der mögliche höchste Rundlauffehler für ISO 50 ist 0,015 mm.

WELDON AUFSTECKFRÄSDORNE - RUNDLAUFGENAUIGKEIT

Nach der DIN 6359-1-Norm müssen die Weldon - Aufsteckfräsdorne die folgenden Forderungen aufweisen:

Bohrung: toleranz H5

Rundlaufgenauigkeit: höchster möglicher Rundlauffehler zwischen Kegel und Weldonstz <0,01 (für ISO 40).

Die vorgeschriebene Toleranz der Bohrung und eine durchschnittliche Rundlaufgenauigkeit von 0,005 sind verichert.

WUCHTUNG

Die meisten Werkzeughalter dieser Gruppe sind in Klasse G6,3 auf 8.000 U/Min -1 vorgewuchtet oder auf 12.000 U/Min -1 gewuchtet.

KONSTRUKTIONSDATEN

- Aus legiertem Einsatzstahl angefertigt.
- in der Einsatzhärte tiefe von 0,4 - 0,5 mm zementiert.
- gehärtet, angelassen.
- Härte HRC 58 ± 2, 800-1000 N / mm2.
- Brüniert
- inneres, äußeres Schleifen und am Gewinde der Spanzangemutter.

WUCHTUNG MIT HOCHGESCHWINDIGKEIT

Auf Anfrage können wir die Werkzeughalter auf maximal G2,5 25.000 U/Min gegen Aufpreis auswuchten.

KONSTRUKTIONSDATEN

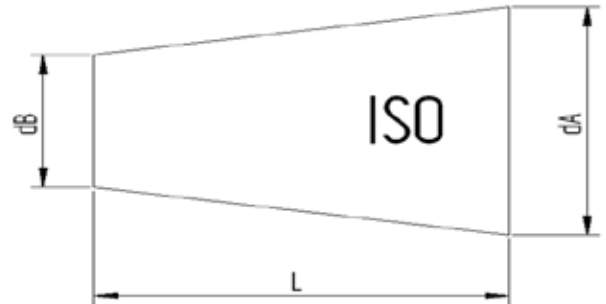
- aus legiertem Einsatzstahl angefertigt.
- in der Einsatzhärte tiefe von 0,4 - 0,5 mm zementiert.
- gehärtet, angelassen.
- Härte HRC 58 ± 2, 800-1000 N / mm2.
- Brüniert
- inneres, äußeres Schleifen des Kegels.
- 100% durch zertifizierte Meßinstrumente geprüft und mit Wuchtungsprotokoll geliefert.

Tous les mandrins porte-outils PAGNONI sont produits suivant les spécifications DIN.

TOLLERANCE DU CONE

En classe **AT3**.

| ISO | L | dA - dB | AT3 |
|-----|----|---------|---------|
| 30 | 42 | 12.250 | + 0.002 |
| 40 | 59 | 17.208 | + 0.003 |
| 50 | 92 | 26.833 | + 0.004 |



COAXIALITÉ PORTE-PINCE

La norme DIN6391 admet une erreur maximum du 0,016 soit pour les porte-pinces DIN6499 soit pour DIN6388.

Dans notre production l'écart d'excentricité maximum entre cône ISO et logement de la pince est compris entre: 0,003 et 0,010 mm.

COAXIALITÉ PORTE-FRAISES FIXES ET COMBINÉS

Les porte-fraises fixes et combinés de notre production suivent la spécification de la norme DIN 6358, qui prévoit pour les diamètres 16 / 22 / 27 / 32 / 40 une concentricité de 0,01 pour ISO 30 et ISO 40 0,015 pour ISO 50.

COAXIALITÉ PORTE-FRAISES WELDON

Suivant les spécifications DIN6359-1 les porte-fraises WELDON doivent suivre les conditions suivantes:

Trou: tolérance H5.

Coaxialité: écart maximum toléré entre cône et logement du Weldon <0,01 (pour ISO 40).

Nous assurons la tolérance prévue sur le trou et une coaxialité en moyenne de 0,005.

EQUILIBRAGE

La plupart des porte-outils sont pré-équilibrés en classe G 6,3 8.000 Tr/Min -1 ou équilibrés à 12.000 Tr/Min -1.

ELEMENTS DE CONSTRUCTION

- Produits en acier cémenté allié.
- Cémentés avec une profondeur 0,4 - 0,5 mm.
- Trempé - Revenu.
- Dureté HRC 58 ± 2 résistance 800-1000 N / mm².
- Brunis.
- Rectification du cône intérieur, extérieur et dans le filetage des écrous qui serrent la pince.

EQUILIBRAGE MANDRINS POUR HAUTE VITESSE

Équilibrage éventuels sur nos mandrins sont exécutés sur demande du client, avec une maximum classe de équilibrage de G2,5 à 25.000 rpm.

ELEMENTS DE CONSTRUCTION POUR MANDRINS HAUTE VITESSE

- Produits en acier cémenté allié.
- Cémenté avec une profondeur 0,4 - 0,5 mm.
- Trempé - Revenu.
- Dureté HRC 58 ± 2 résistance 800-1000 N / mm².
- Brunis.
- Fiition de rectification intérieure, extérieure et di cône.
- Contrôlés à 100% avec des instruments de mesure certifiés et livrés avec un certificat d'équilibrage.

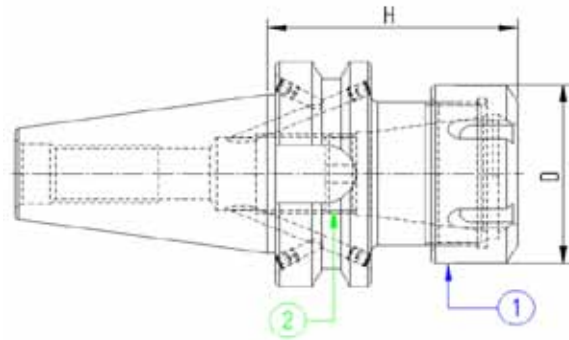


MANDRINI PORTAPINZA TIPO ER
ER COLLET CHUCK
MANDRINS A PINCES TYPE ER
SPANNZANGENFUTTER ER



JIS-B 6339 .M.AS 403/BT .AD/B

DIN 6499



| Codice | ISO | Descrizione | H | D | G6.3 12000 |
|----------|-----|------------------------------|----|----|------------|
| 340PP110 | 40 | ISO40 MAS403BT P/P H.70 ER16 | 70 | 32 | ● |
| 340PP113 | 40 | ISO40 MAS403BT P/P H.70 ER20 | 70 | 35 | ● |
| 340PP116 | 40 | ISO40 MAS403BT P/P H.70 ER25 | 70 | 42 | ● |
| 340PP120 | 40 | ISO40 MAS403BT P/P H.70 ER32 | 70 | 50 | ● |
| 340PP126 | 40 | ISO40 MAS403BT P/P H.70 ER40 | 70 | 63 | ● |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| ER | Ghiera | Q.tà | Grano | Q.tà |
|----|----------|------|-----------|------|
| | | | | |
| 16 | 916GHREQ | 1 | 101001601 | 1 |
| 20 | 920GHREQ | 1 | 101001601 | 1 |
| 25 | 925GHREQ | 1 | 101815801 | 1 |
| 32 | 932GHREQ | 1 | 102215901 | 1 |
| 40 | 940GHREQ | 1 | 103015901 | 1 |

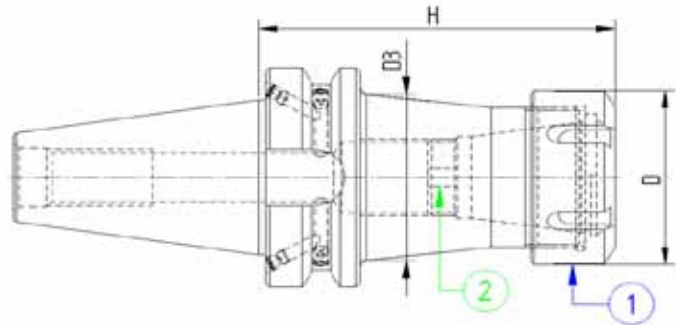


MANDRINI PORTAPINZA TIPO ER
ER COLLET CHUCK
MANDRINS A PINCES TYPE ER
SPANNZANGENFUTTER ER



JIS-B 6339 .M.AS 403/BT .AD/B

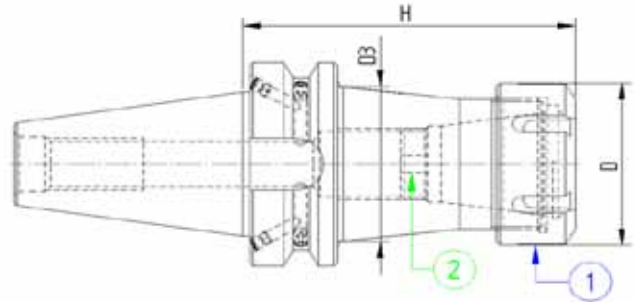
DIN 6499



| Codice | ISO | Descrizione | H | D3 | D | G6.3 12000 |
|----------|-----|------------------------------|-----|----|----|------------|
| 340PP210 | 40 | ISO40 MAS403BT P/P H100 ER16 | 100 | 32 | 32 | ● |
| 340PP213 | 40 | ISO40 MAS403BT P/P H100 ER20 | 100 | 35 | 35 | ● |
| 340PP216 | 40 | ISO40 MAS403BT P/P H100 ER25 | 100 | 42 | 42 | ● |
| 340PP220 | 40 | ISO40 MAS403BT P/P H100 ER32 | 100 | 46 | 50 | ● |
| 340PP226 | 40 | ISO40 MAS403BT P/P H100 ER40 | 100 | 50 | 63 | ● |
| 340PP310 | 40 | ISO40 MAS403BT P/P H130 ER16 | 130 | 32 | 32 | |
| 340PP313 | 40 | ISO40 MAS403BT P/P H130 ER20 | 130 | 37 | 35 | |
| 340PP316 | 40 | ISO40 MAS403BT P/P H130 ER25 | 130 | 42 | 42 | |
| 340PP320 | 40 | ISO40 MAS403BT P/P H130 ER32 | 130 | 46 | 50 | |
| 340PP326 | 40 | ISO40 MAS403BT P/P H130 ER40 | 130 | 50 | 63 | |


COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

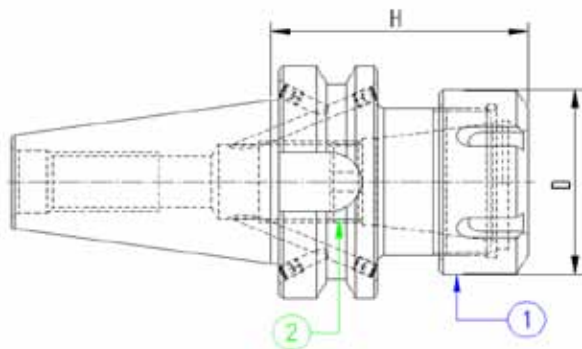
| ER | Ghiera | Q.tà | Grano | Q.tà |
|----|---|------|---|------|
| |  | |  | |
| 16 | 916GHREQ | 1 | 101001601 | 1 |
| 20 | 920GHREQ | 1 | 101001601 | 1 |
| 25 | 925GHREQ | 1 | 101815801 | 1 |
| 32 | 932GHREQ | 1 | 102215901 | 1 |
| 40 | 940GHREQ | 1 | 103015901 | 1 |



| Codice | ISO | Descrizione | H | D3 | D |
|---------------|------------|------------------------------|----------|-----------|----------|
| 340PP410 | 40 | ISO40 MAS403BT P/P H160 ER16 | 160 | 31 | 32 |
| 340PP413 | 40 | ISO40 MAS403BT P/P H160 ER20 | 160 | 37 | 35 |
| 340PP416 | 40 | ISO40 MAS403BT P/P H160 ER25 | 160 | 40 | 42 |
| 340PP420 | 40 | ISO40 MAS403BT P/P H160 ER32 | 160 | 48 | 50 |
| 340PP426 | 40 | ISO40 MAS403BT P/P H160 ER40 | 160 | 50 | 63 |
| 340PP510 | 40 | ISO40 MAS403BT P/P H200 ER16 | 200 | 32 | 32 |
| 340PP513 | 40 | ISO40 MAS403BT P/P H200 ER20 | 200 | 37 | 35 |
| 340PP516 | 40 | ISO40 MAS403BT P/P H200 ER25 | 200 | 42 | 42 |
| 340PP520 | 40 | ISO40 MAS403BT P/P H200 ER32 | 200 | 50 | 50 |
| 340PP526 | 40 | ISO40 MAS403BT P/P H200 ER40 | 200 | 50 | 63 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

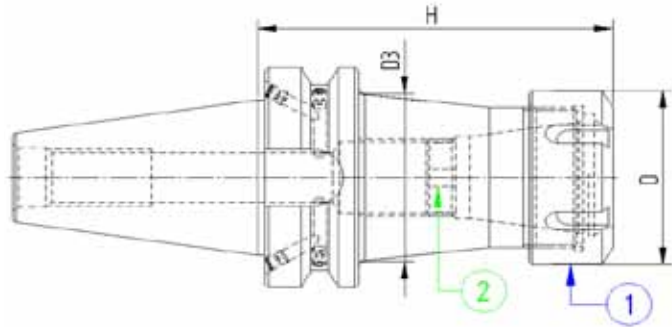
| ER | Ghiera | Q.tà | Grano | Q.tà |
|-----------|---|-------------|--|-------------|
| |  | |  | |
| 16 | 916GHREQ | 1 | 101001601 | 1 |
| 20 | 920GHREQ | 1 | 101001601 | 1 |
| 25 | 925GHREQ | 1 | 101815801 | 1 |
| 32 | 932GHREQ | 1 | 102215901 | 1 |
| 40 | 940GHREQ | 1 | 103015901 | 1 |



| Codice | ISO | Descrizione | H | D | G6.3 12000 |
|----------|-----|-----------------------------|----|----|------------|
| 350PP110 | 50 | ISO50 MAS403BT P/P H80 ER16 | 80 | 32 | ● |
| 350PP113 | 50 | ISO50 MAS403BT P/P H80 ER20 | 80 | 35 | ● |
| 350PP116 | 50 | ISO50 MAS403BT P/P H80 ER25 | 80 | 42 | ● |
| 350PP120 | 50 | ISO50 MAS403BT P/P H80 ER32 | 80 | 50 | ● |
| 350PP126 | 50 | ISO50 MAS403BT P/P H80 ER40 | 80 | 63 | ● |


COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| ER | Ghiera | Q.tà | Grano | Q.tà |
|----|---|------|--|------|
| |  | |  | |
| 16 | 916GHREQ | 1 | 101001601 | 1 |
| 20 | 920GHREQ | 1 | 101001601 | 1 |
| 25 | 925GHREQ | 1 | 101815801 | 1 |
| 32 | 932GHREQ | 1 | 102215901 | 1 |
| 40 | 940GHREQ | 1 | 103015901 | 1 |



| Codice | ISO | Descrizione | H | D3 | D | G6.3 12000 |
|----------|-----|------------------------------|-----|----|----|------------|
| 350PP210 | 50 | ISO50 MAS403BT P/P H100 ER16 | 100 | 32 | 32 | ● |
| 350PP213 | 50 | ISO50 MAS403BT P/P H100 ER20 | 100 | 34 | 35 | ● |
| 350PP216 | 50 | ISO50 MAS403BT P/P H100 ER25 | 100 | 42 | 42 | ● |
| 350PP220 | 50 | ISO50 MAS403BT P/P H100 ER32 | 100 | 50 | 50 | ● |
| 350PP226 | 50 | ISO50 MAS403BT P/P H100 ER40 | 100 | 58 | 63 | ● |
| 350PP234 | 50 | ISO50 MAS403BT P/P H100 ER50 | 100 | 74 | 78 | ● |
| 350PP310 | 50 | ISO50 MAS403BT P/P H130 ER16 | 130 | 32 | 32 | |
| 350PP313 | 50 | ISO50 MAS403BT P/P H130 ER20 | 130 | 34 | 35 | |
| 350PP316 | 50 | ISO50 MAS403BT P/P H130 ER25 | 130 | 42 | 42 | |
| 350PP320 | 50 | ISO50 MAS403BT P/P H130 ER32 | 130 | 50 | 50 | |
| 350PP326 | 50 | ISO50 MAS403BT P/P H130 ER40 | 130 | 60 | 63 | |
| 350PP334 | 50 | ISO50 MAS403BT P/P H130 ER50 | 130 | 74 | 78 | |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| ER | Ghiera | Q.tà | Grano | Q.tà |
|----|---|------|--|------|
| |  | |  | |
| 16 | 916GHREQ | 1 | 101001601 | 1 |
| 20 | 920GHREQ | 1 | 101001601 | 1 |
| 25 | 925GHREQ | 1 | 101815801 | 1 |
| 32 | 932GHREQ | 1 | 102215901 | 1 |
| 40 | 940GHREQ | 1 | 103015901 | 1 |
| 50 | 950GHREQ | 1 | 103015901 | 1 |

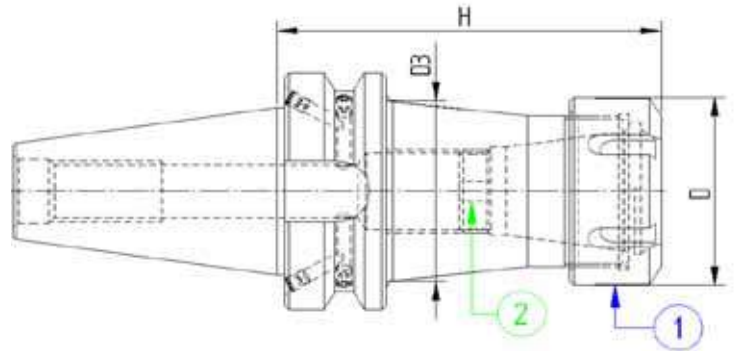


MANDRINI PORTAPINZA TIPO ER
ER COLLET CHUCK
MANDRINS A PINCES TYPE ER
SPANNZANGENFUTTER ER




JIS-B 6339 .M.AS 403/BT .AD/B

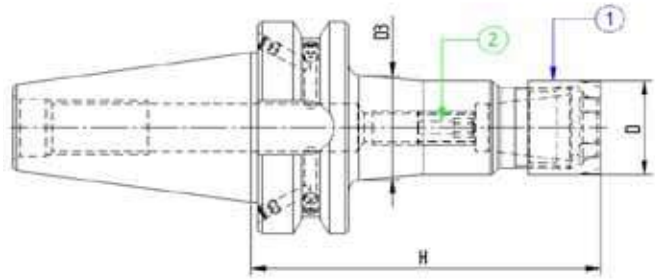
DIN 6499



| Codice | ISO | Descrizione | H | D3 | D |
|----------|-----|------------------------------|-----|----|----|
| 350PP410 | 50 | ISO50 MAS403BT P/P H160 ER16 | 160 | 32 | 32 |
| 350PP413 | 50 | ISO50 MAS403BT P/P H160 ER20 | 160 | 35 | 35 |
| 350PP416 | 50 | ISO50 MAS403BT P/P H160 ER25 | 160 | 42 | 42 |
| 350PP420 | 50 | ISO50 MAS403BT P/P H160 ER32 | 160 | 50 | 50 |
| 350PP426 | 50 | ISO50 MAS403BT P/P H160 ER40 | 160 | 57 | 63 |
| 350PP510 | 50 | ISO50 MAS403BT P/P H200 ER16 | 200 | 32 | 32 |
| 350PP513 | 50 | ISO50 MAS403BT P/P H200 ER20 | 200 | 35 | 35 |
| 350PP516 | 50 | ISO50 MAS403BT P/P H200 ER25 | 200 | 42 | 42 |
| 350PP520 | 50 | ISO50 MAS403BT P/P H200 ER32 | 200 | 50 | 50 |
| 350PP526 | 50 | ISO50 MAS403BT P/P H200 ER40 | 200 | 57 | 63 |



COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

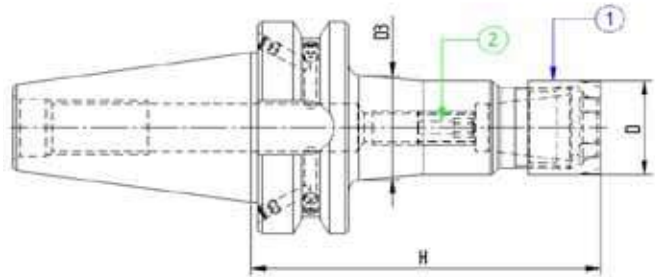
| ER | Ghiera | Q.tà | Grano | Q.tà |
|----|---|------|--|------|
| |  | |  | |
| 16 | 916GHREQ | 1 | 101001601 | 1 |
| 20 | 920GHREQ | 1 | 101001601 | 1 |
| 25 | 925GHREQ | 1 | 101815801 | 1 |
| 32 | 932GHREQ | 1 | 102215901 | 1 |
| 40 | 940GHREQ | 1 | 103015901 | 1 |



| Codice | ISO | Descrizione | H | D3 | D | G6.3 12000 |
|----------|-----|----------------------------------|-----|----|----|------------|
| 340PM207 | 40 | ISO40 MAS403BT P/P H100 ER11MINI | 100 | 20 | 16 | ● |
| 340PM210 | 40 | ISO40 MAS403BT P/P H100 ER16MINI | 100 | 26 | 22 | ● |
| 340PM213 | 40 | ISO40 MAS403BT P/P H100 ER20MINI | 100 | 30 | 28 | ● |
| 340PM216 | 40 | ISO40 MAS403BT P/P H100 ER25MINI | 100 | 33 | 35 | ● |
| 340PM307 | 40 | ISO40 MAS403BT P/P H130 ER11MINI | 130 | 20 | 16 | |
| 340PM310 | 40 | ISO40 MAS403BT P/P H130 ER16MINI | 130 | 28 | 22 | |
| 340PM313 | 40 | ISO40 MAS403BT P/P H130 ER20MINI | 130 | 30 | 28 | |
| 340PM316 | 40 | ISO40 MAS403BT P/P H130 ER25MINI | 130 | 33 | 35 | |
| 340PM407 | 40 | ISO40 MAS403BT P/P H160 ER11MINI | 160 | 28 | 16 | ● |
| 340PM410 | 40 | ISO40 MAS403BT P/P H160 ER16MINI | 160 | 30 | 22 | ● |
| 340PM413 | 40 | ISO40 MAS403BT P/P H160 ER20MINI | 160 | 30 | 28 | ● |
| 340PM416 | 40 | ISO40 MAS403BT P/P H160 ER25MINI | 160 | 33 | 35 | ● |
| 340PM510 | 40 | ISO40 MAS403BT P/P H200 ER16MINI | 200 | 30 | 22 | |
| 340PM513 | 40 | ISO40 MAS403BT P/P H200 ER20MINI | 200 | 33 | 28 | |
| 340PM516 | 40 | ISO40 MAS403BT P/P H200 ER25MINI | 200 | 33 | 35 | |



COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

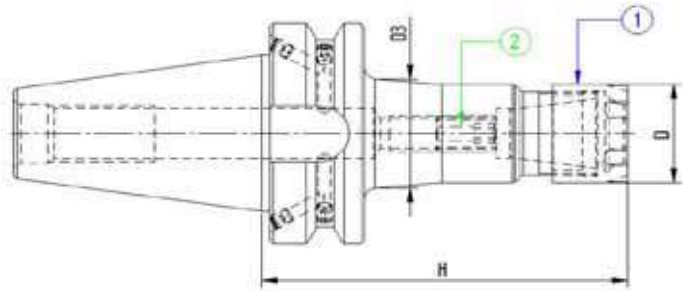
| ER MINI | Ghiera | Q.tà | Grano | Q.tà |
|---------|---|------|---|------|
| |  | |  | |
| 11 | 911GHRMN | 1 | 100601004 | 1 |
| 16 | 916GHRMN | 1 | 101001601 | 1 |
| 20 | 920GHRMN | 1 | 101001601 | 1 |
| 25 | 925GHRMN | 1 | 101815801 | 1 |



| Codice | ISO | Descrizione | H | D3 | D | G6.3 12000 |
|----------|-----|----------------------------------|-----|----|----|------------|
| 340PM207 | 40 | ISO40 MAS403BT P/P H100 ER11MINI | 100 | 20 | 16 | ● |
| 340PM210 | 40 | ISO40 MAS403BT P/P H100 ER16MINI | 100 | 26 | 22 | ● |
| 340PM213 | 40 | ISO40 MAS403BT P/P H100 ER20MINI | 100 | 30 | 28 | ● |
| 340PM216 | 40 | ISO40 MAS403BT P/P H100 ER25MINI | 100 | 33 | 35 | ● |
| 340PM307 | 40 | ISO40 MAS403BT P/P H130 ER11MINI | 130 | 20 | 16 | |
| 340PM310 | 40 | ISO40 MAS403BT P/P H130 ER16MINI | 130 | 28 | 22 | |
| 340PM313 | 40 | ISO40 MAS403BT P/P H130 ER20MINI | 130 | 30 | 28 | |
| 340PM316 | 40 | ISO40 MAS403BT P/P H130 ER25MINI | 130 | 33 | 35 | |
| 340PM407 | 40 | ISO40 MAS403BT P/P H160 ER11MINI | 160 | 28 | 16 | ● |
| 340PM410 | 40 | ISO40 MAS403BT P/P H160 ER16MINI | 160 | 30 | 22 | ● |
| 340PM413 | 40 | ISO40 MAS403BT P/P H160 ER20MINI | 160 | 30 | 28 | ● |
| 340PM416 | 40 | ISO40 MAS403BT P/P H160 ER25MINI | 160 | 33 | 35 | ● |
| 340PM510 | 40 | ISO40 MAS403BT P/P H200 ER16MINI | 200 | 30 | 22 | |
| 340PM513 | 40 | ISO40 MAS403BT P/P H200 ER20MINI | 200 | 33 | 28 | |
| 340PM516 | 40 | ISO40 MAS403BT P/P H200 ER25MINI | 200 | 33 | 35 | |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| ER MINI | Ghiera | Q.tà | Grano | Q.tà |
|---------|---|------|---|------|
| |  | |  | |
| 11 | 911GHRMN | 1 | 100601004 | 1 |
| 16 | 916GHRMN | 1 | 101001601 | 1 |
| 20 | 920GHRMN | 1 | 101001601 | 1 |
| 25 | 925GHRMN | 1 | 101815801 | 1 |



| Codice | ISO | Descrizione | H | D3 | D | G6.3 12000 |
|----------|-----|----------------------------------|-----|----|----|------------|
| 350PM210 | 50 | ISO50 MAS403BT P/P H100 ER16MINI | 100 | 22 | 22 | ● |
| 350PM213 | 50 | ISO50 MAS403BT P/P H100 ER20MINI | 100 | 28 | 28 | ● |
| 350PM216 | 50 | ISO50 MAS403BT P/P H100 ER25MINI | 100 | 30 | 35 | ● |
| 350PM310 | 50 | ISO50 MAS403BT P/P H130 ER16MINI | 130 | 28 | 22 | |
| 350PM313 | 50 | ISO50 MAS403BT P/P H130 ER20MINI | 130 | 30 | 28 | |
| 350PM316 | 50 | ISO50 MAS403BT P/P H130 ER25MINI | 130 | 30 | 35 | |
| 350PM410 | 50 | ISO50 MAS403BT P/P H160 ER16MINI | 160 | 28 | 22 | ● |
| 350PM413 | 50 | ISO50 MAS403BT P/P H160 ER20MINI | 160 | 32 | 28 | ● |
| 350PM416 | 50 | ISO50 MAS403BT P/P H160 ER25MINI | 160 | 38 | 35 | ● |
| 350PM510 | 50 | ISO50 MAS403BT P/P H200 ER16MINI | 200 | 30 | 22 | |
| 350PM513 | 50 | ISO50 MAS403BT P/P H200 ER20MINI | 200 | 35 | 28 | |
| 350PM516 | 50 | ISO50 MAS403BT P/P H200 ER25MINI | 200 | 40 | 35 | |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE



| Codice | Ghiera | Q.tà | Grano | Q.tà |
|--------|---|------|---|------|
| |  | |  | |
| 16 | 916GHRMN | 1 | 101001601 | 1 |
| 20 | 920GHRMN | 1 | 101001601 | 1 |
| 25 | 925GHRMN | 1 | 101815801 | 1 |



FIG. 1

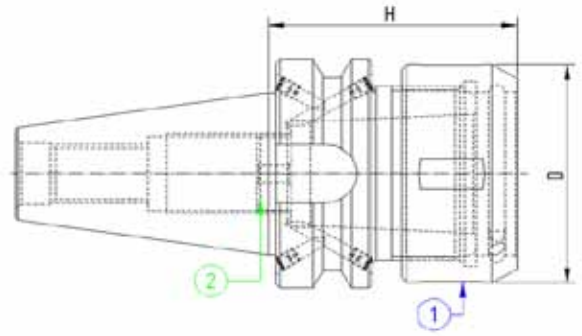
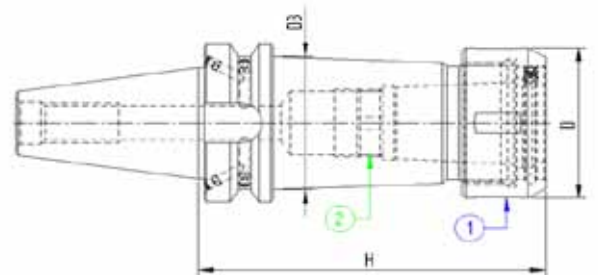


FIG. 2



| Codice | ISO | Descrizione | H | D | D3 | FIG. | G6.3 12000 |
|----------|-----|-------------------------------|-----|----|----|------|------------|
| 340PO116 | 40 | ISO40 MAS403BT P/P H70 EOC16 | 70 | 43 | 33 | 1 | ● |
| 340PO125 | 40 | ISO40 MAS403BT P/P H70 EOC25 | 70 | 60 | 45 | 1 | ● |
| 340PO132 | 40 | ISO40 MAS403BT P/P H80 EOC32 | 80 | 72 | 60 | 1 | ● |
| 340PO216 | 40 | ISO40 MAS403BT P/P H100 EOC16 | 100 | 43 | 33 | 1 | |
| 340PO225 | 40 | ISO40 MAS403BT P/P H100 EOC25 | 100 | 60 | 48 | 1 | |
| 340PO316 | 40 | ISO40 MAS403BT P/P H130 EOC16 | 130 | 43 | 33 | 2 | |
| 340PO325 | 40 | ISO40 MAS403BT P/P H130 EOC25 | 130 | 60 | 48 | 2 | |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE



| EOC | Ghiera | Q.tà | Grano | Q.tà |
|---|--|------|-----------|------|
|  |  | | | |
| 16 | 916GHROS | 1 | 101815801 | 1 |
| 25 | 925GHROS | 1 | 102715901 | 1 |
| 32 | 932GHROS | 1 | 102715901 | 1 |



FIG. 1

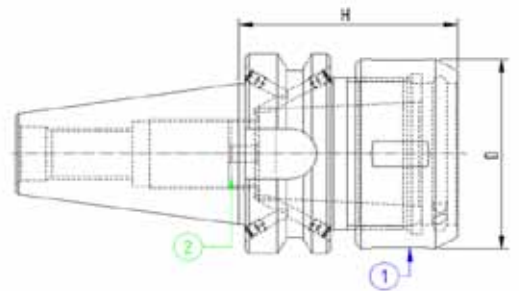
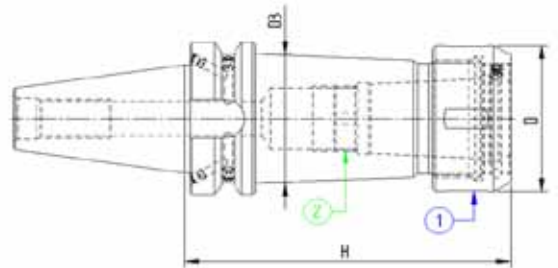




FIG. 2



| Codice | ISO | Descrizione | H | D | D3 | FIG. | G6.3 12000 |
|----------|-----|-------------------------------|-----|----|----|------|------------|
| 350PO116 | 50 | ISO50 MAS403BT P/P H70 EOC16 | 70 | 43 | 33 | 1 | ● |
| 350PO125 | 50 | ISO50 MAS403BT P/P H85 EOC25 | 85 | 60 | 48 | 1 | ● |
| 350PO132 | 50 | ISO50 MAS403BT P/P H95 EOC32 | 95 | 72 | 60 | 1 | ● |
| 350PO216 | 50 | ISO50 MAS403BT P/P H100 EOC16 | 100 | 43 | 33 | 1 | |
| 350PO225 | 50 | ISO50 MAS403BT P/P H100 EOC25 | 100 | 60 | 45 | 1 | |
| 350PO232 | 50 | ISO50 MAS403BT P/P H100 EOC32 | 100 | 72 | 56 | 1 | |
| 350PO325 | 50 | ISO50 MAS403BT P/P H130 EOC25 | 130 | 60 | 48 | 2 | |
| 350PO332 | 50 | ISO50 MAS403BT P/P H130 EOC32 | 130 | 72 | 56 | 2 | |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| EOC | Ghiera | Q.tà | Grano | Q.tà |
|---|----------|------|--|------|
|  | | |  | |
| 16 | 916GHROS | 1 | 101815801 | 1 |
| 25 | 925GHROS | 1 | 102715901 | 1 |
| 32 | 932GHROS | 1 | 102715901 | 1 |

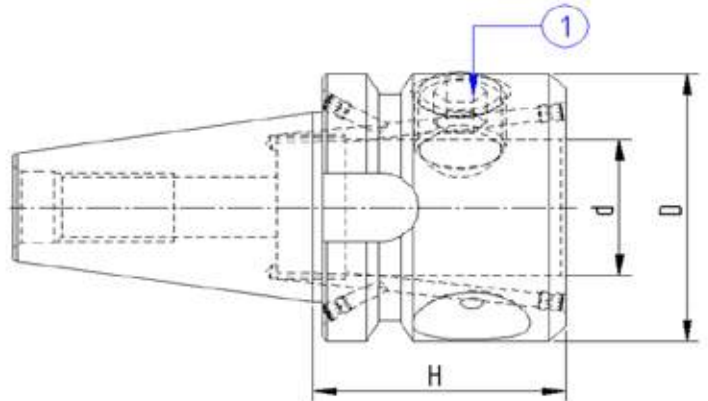


MANDRINI PORTAFRESE TIPO WELDON
 END MILL HOLDERS WELDON
 MANDRINS POUR OUTIL TYPE WELDON
 ZYLINDERSCHAFTAUFNAHME WELDON



JIS-B 6339 .M.AS 403/BT .AD/B

DIN 1835 B



| Codice | ISO | Descrizione | H | d | D | G6.3 12000 |
|----------|-----|--------------------------------|----|----|----|------------|
| 340WLS25 | 40 | ISO40 MAS403BT WELDON H55 D.25 | 55 | 25 | 63 | ● |
| 340WLS32 | 40 | ISO40 MAS403BT WELDON H55 D.32 | 55 | 32 | 63 | ● |

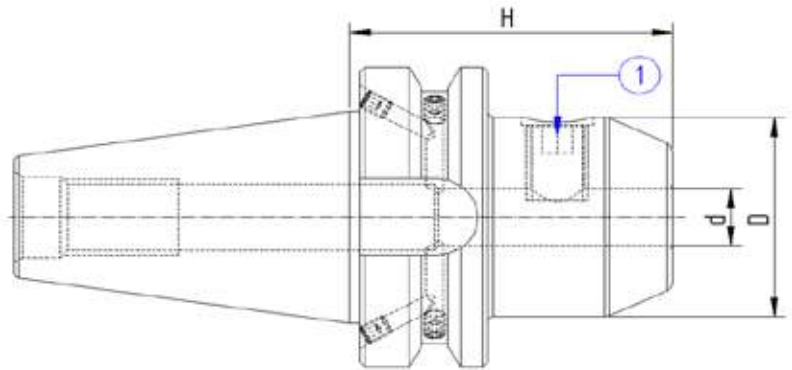
COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà |
|---|-------|------|
|---|-------|------|




1

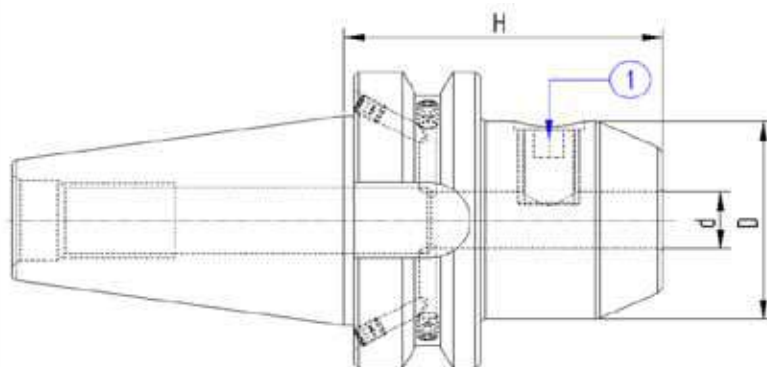
| | | |
|----|-----------|---|
| 25 | 101802002 | 1 |
| 32 | 102001602 | 1 |



| Codice | ISO | Descrizione | H | d | D | G6.3 12000 |
|----------|-----|---------------------------------|-----|----|----|------------|
| 340WLD06 | 40 | ISO40 MAS403BT WELDON H50 D.06 | 50 | 6 | 25 | ● |
| 340WLD08 | 40 | ISO40 MAS403BT WELDON H50 D.08 | 50 | 8 | 28 | ● |
| 340WLD10 | 40 | ISO40 MAS403BT WELDON H63 D.10 | 63 | 10 | 35 | ● |
| 340WLD12 | 40 | ISO40 MAS403BT WELDON H63 D.12 | 63 | 12 | 42 | ● |
| 340WLD14 | 40 | ISO40 MAS403BT WELDON H63 D.14 | 63 | 14 | 44 | ● |
| 340WLD16 | 40 | ISO40 MAS403BT WELDON H63 D.16 | 63 | 16 | 48 | ● |
| 340WLD18 | 40 | ISO40 MAS403BT WELDON H63 D.18 | 63 | 18 | 50 | ● |
| 340WLD20 | 40 | ISO40 MAS403BT WELDON H63 D.20 | 63 | 20 | 52 | ● |
| 340WLD25 | 40 | ISO40 MAS403BT WELDON H90 D.25 | 90 | 25 | 65 | ● |
| 340WLD32 | 40 | ISO40 MAS403BT WELDON H100 D.32 | 100 | 32 | 72 | ● |
| 340WLD40 | 40 | ISO40 MAS403BT WELDON H105 D.40 | 105 | 40 | 80 | ● |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà |
|---|-----------|------|
|  | | |
| 6 | 100601002 | 1 |
| 8 | 100801002 | 1 |
| 10 | 101001202 | 1 |
| 12 | 101201602 | 1 |
| 14 | 101201602 | 1 |
| 16 | 101401602 | 1 |
| 18 | 101401602 | 1 |
| 20 | 101601602 | 1 |
| 25 | 101802002 | 2 |
| 32 | 102002002 | 2 |
| 40 | 102002002 | 2 |



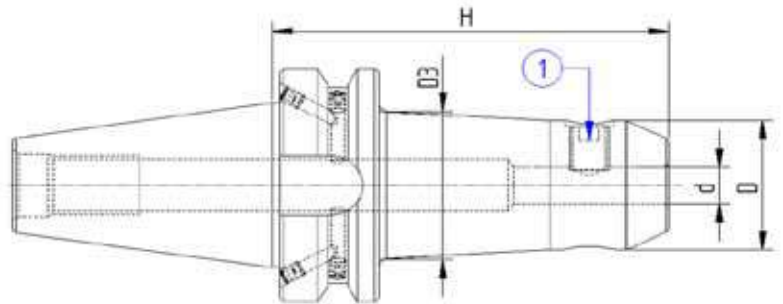
| Codice | ISO | Descrizione | H | d | D | G6.3 12000 |
|----------|-----|---------------------------------|-----|----|-----|------------|
| 350WLD06 | 50 | ISO50 MAS403BT WELDON H63 D.6 | 63 | 6 | 25 | ● |
| 350WLD08 | 50 | ISO50 MAS403BT WELDON H63 D.8 | 63 | 8 | 28 | ● |
| 350WLD10 | 50 | ISO50 MAS403BT WELDON H70 D.10 | 70 | 10 | 35 | ● |
| 350WLD12 | 50 | ISO50 MAS403BT WELDON H80 D.12 | 80 | 12 | 42 | ● |
| 350WLD14 | 50 | ISO50 MAS403BT WELDON H80 D.14 | 80 | 14 | 44 | ● |
| 350WLD16 | 50 | ISO50 MAS403BT WELDON H80 D.16 | 80 | 16 | 48 | ● |
| 350WLD18 | 50 | ISO50 MAS403BT WELDON H80 D.18 | 80 | 18 | 50 | ● |
| 350WLD20 | 50 | ISO50 MAS403BT WELDON H80 D.20 | 80 | 20 | 52 | ● |
| 350WLD25 | 50 | ISO50 MAS403BT WELDON H100 D.25 | 100 | 25 | 65 | ● |
| 350WLD32 | 50 | ISO50 MAS403BT WELDON H105 D.32 | 105 | 32 | 72 | ● |
| 350WLD40 | 50 | ISO50 MAS403BT WELDON H120 D.40 | 120 | 40 | 80 | ● |
| 350WLD50 | 50 | ISO50 MAS403BT WELDON H125 D.50 | 125 | 50 | 100 | ● |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà |
|---|-------|------|
|---|-------|------|



| | | |
|----|-----------|---|
| 6 | 100601002 | 1 |
| 8 | 100801002 | 1 |
| 10 | 101001202 | 1 |
| 12 | 101201602 | 1 |
| 14 | 101201602 | 1 |
| 16 | 101401602 | 1 |
| 18 | 101401602 | 1 |
| 20 | 101601602 | 1 |
| 25 | 101802002 | 2 |
| 32 | 102002002 | 2 |
| 40 | 102002002 | 2 |
| 50 | 102422504 | 2 |



| Codice | ISO | Descrizione | H | d | D | D3 | G6.3 12000 |
|----------|-----|---------------------------------|-----|----|----|----|------------|
| 340WE206 | 40 | ISO40 MAS403BT WELDON H100 D.06 | 100 | 6 | 25 | 35 | ● |
| 340WE208 | 40 | ISO40 MAS403BT WELDON H100 D.08 | 100 | 8 | 28 | 38 | ● |
| 340WE210 | 40 | ISO40 MAS403BT WELDON H100 D.10 | 100 | 10 | 35 | 40 | ● |
| 340WE212 | 40 | ISO40 MAS403BT WELDON H100 D.12 | 100 | 12 | 42 | - | ● |
| 340WE214 | 40 | ISO40 MAS403BT WELDON H100 D.14 | 100 | 14 | 44 | - | ● |
| 340WE216 | 40 | ISO40 MAS403BT WELDON H100 D.16 | 100 | 16 | 48 | - | ● |
| 340WE218 | 40 | ISO40 MAS403BT WELDON H100 D.18 | 100 | 18 | 50 | - | ● |
| 340WE220 | 40 | ISO40 MAS403BT WELDON H100 D.20 | 100 | 20 | 52 | - | ● |

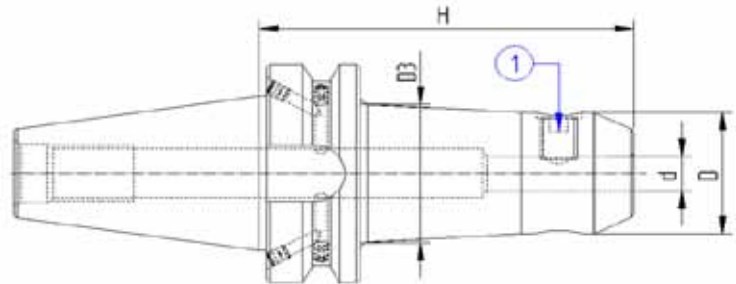
COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà |
|---|-------|------|
|---|-------|------|



1

| | | |
|----|-----------|---|
| 6 | 100601002 | 1 |
| 8 | 100801002 | 1 |
| 10 | 101001202 | 1 |
| 12 | 101201602 | 1 |
| 14 | 101201602 | 1 |
| 16 | 101401602 | 1 |
| 18 | 101401602 | 1 |
| 20 | 101601602 | 1 |



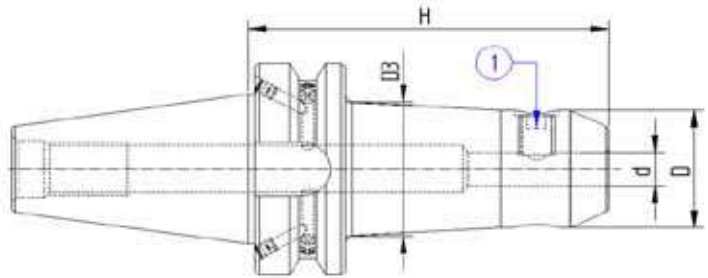
| Codice | ISO | Descrizione | H | d | D | D3 |
|----------|-----|---------------------------------|-----|----|----|----|
| 340WE306 | 40 | ISO40 MAS403BT WELDON H130 D.06 | 130 | 6 | 25 | 35 |
| 340WE308 | 40 | ISO40 MAS403BT WELDON H130 D.08 | 130 | 8 | 28 | 38 |
| 340WE310 | 40 | ISO40 MAS403BT WELDON H130 D.10 | 130 | 10 | 35 | 40 |
| 340WE312 | 40 | ISO40 MAS403BT WELDON H130 D.12 | 130 | 12 | 42 | - |
| 340WE314 | 40 | ISO40 MAS403BT WELDON H130 D.14 | 130 | 14 | 44 | - |
| 340WE316 | 40 | ISO40 MAS403BT WELDON H130 D.16 | 130 | 16 | 48 | - |
| 340WE318 | 40 | ISO40 MAS403BT WELDON H130 D.18 | 130 | 18 | 50 | - |
| 340WE320 | 40 | ISO40 MAS403BT WELDON H130 D.20 | 130 | 20 | 52 | - |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà |
|---|-------|------|
|---|-------|------|





| | | |
|----|-----------|---|
| 6 | 100601002 | 1 |
| 8 | 100801002 | 1 |
| 10 | 101001202 | 1 |
| 12 | 101201602 | 1 |
| 14 | 101201602 | 1 |
| 16 | 101401602 | 1 |
| 18 | 101401602 | 1 |
| 20 | 101601602 | 1 |

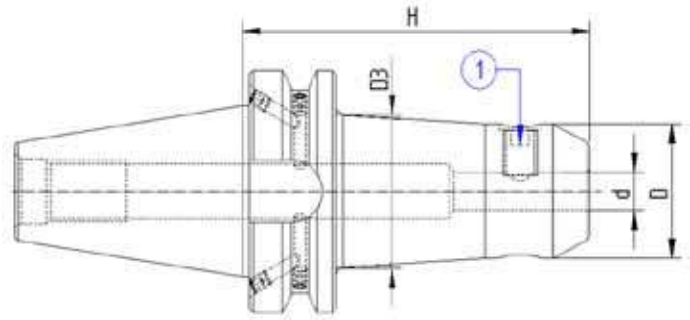


| Codice | ISO | Descrizione | H | d | D | D3 | G6.3 12000 |
|----------|-----|---------------------------------|-----|----|----|----|------------|
| 340WE406 | 40 | ISO40 MAS403BT WELDON H160 D.06 | 160 | 6 | 25 | 35 | ● |
| 340WE408 | 40 | ISO40 MAS403BT WELDON H160 D.08 | 160 | 8 | 28 | 38 | ● |
| 340WE410 | 40 | ISO40 MAS403BT WELDON H160 D.10 | 160 | 10 | 35 | 40 | ● |
| 340WE412 | 40 | ISO40 MAS403BT WELDON H160 D.12 | 160 | 12 | 42 | 42 | ● |
| 340WE414 | 40 | ISO40 MAS403BT WELDON H160 D.14 | 160 | 14 | 44 | 44 | ● |
| 340WE416 | 40 | ISO40 MAS403BT WELDON H160 D.16 | 160 | 16 | 48 | 48 | ● |
| 340WE418 | 40 | ISO40 MAS403BT WELDON H160 D.18 | 160 | 18 | 50 | 50 | ● |
| 340WE420 | 40 | ISO40 MAS403BT WELDON H160 D.20 | 160 | 20 | 52 | 52 | ● |
| 340WE425 | 40 | ISO40 MAS403BT WELDON H160 D.25 | 160 | 25 | 65 | 65 | ● |
| 340WE432 | 40 | ISO40 MAS403BT WELDON H160 D.32 | 160 | 32 | 72 | 72 | ● |

| | | | | | | |
|----------|----|---------------------------------|-----|----|----|----|
| 340WE506 | 40 | ISO40 MAS403BT WELDON H200 D.6 | 200 | 6 | 25 | 38 |
| 340WE508 | 40 | ISO40 MAS403BT WELDON H200 D.8 | 200 | 8 | 28 | 41 |
| 340WE510 | 40 | ISO40 MAS403BT WELDON H200 D.10 | 200 | 10 | 35 | 43 |
| 340WE512 | 40 | ISO40 MAS403BT WELDON H200 D.12 | 200 | 12 | 42 | 48 |
| 340WE514 | 40 | ISO40 MAS403BT WELDON H200 D.14 | 200 | 14 | 44 | 48 |
| 340WE516 | 40 | ISO40 MAS403BT WELDON H200 D.16 | 200 | 16 | 48 | 48 |
| 340WE518 | 40 | ISO40 MAS403BT WELDON H200 D.18 | 200 | 18 | 50 | 50 |
| 340WE520 | 40 | ISO40 MAS403BT WELDON H200 D.20 | 200 | 20 | 52 | 52 |
| 340WE525 | 40 | ISO40 MAS403BT WELDON H200 D.25 | 200 | 25 | 65 | 65 |
| 340WE532 | 40 | ISO40 MAS403BT WELDON H200 D.32 | 200 | 32 | 72 | 72 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà | Ø | Grano | Q.tà |
|---|-----------|----------|---|-----------|----------|
|  | | 1 |  | | 1 |
| 6 | 100601002 | 1 | 16 | 101401602 | 1 |
| 8 | 100801002 | 1 | 18 | 101401602 | 1 |
| 10 | 101001202 | 1 | 20 | 101601602 | 1 |
| 12 | 101201602 | 1 | 25 | 101802002 | 2 |
| 14 | 101201602 | 1 | 32 | 102002002 | 2 |



| Codice | ISO | Descrizione | H | d | D | D3 |
|----------|-----|---------------------------------|-----|----|----|----|
| 350WE206 | 50 | ISO50 MAS403BT WELDON H100 D.6 | 100 | 6 | 25 | 35 |
| 350WE208 | 50 | ISO50 MAS403BT WELDON H100 D.8 | 100 | 8 | 28 | 38 |
| 350WE210 | 50 | ISO50 MAS403BT WELDON H100 D.10 | 100 | 10 | 35 | 42 |
| 350WE212 | 50 | ISO50 MAS403BT WELDON H100 D.12 | 100 | 12 | 42 | 48 |
| 350WE214 | 50 | ISO50 MAS403BT WELDON H100 D.14 | 100 | 14 | 44 | 50 |
| 350WE216 | 50 | ISO50 MAS403BT WELDON H100 D.16 | 100 | 16 | 48 | 54 |
| 350WE218 | 50 | ISO50 MAS403BT WELDON H100 D.18 | 100 | 18 | 50 | 62 |
| 350WE220 | 50 | ISO50 MAS403BT WELDON H100 D.20 | 100 | 20 | 52 | 66 |

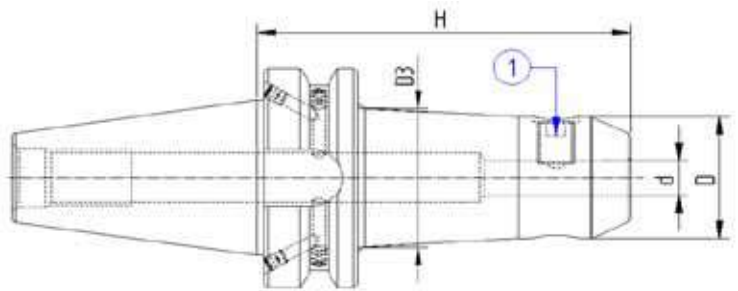
COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà |
|---|-------|------|
|---|-------|------|




1

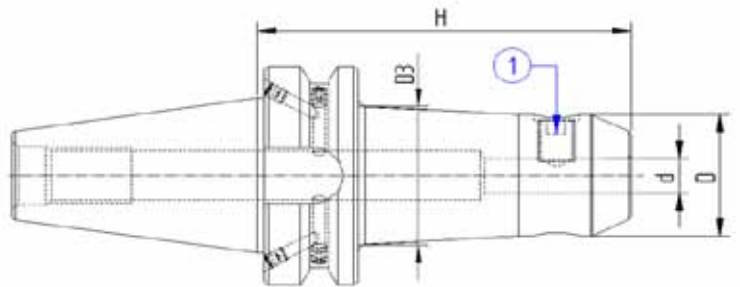
| | | |
|----|-----------|---|
| 6 | 100601002 | 1 |
| 8 | 100801002 | 1 |
| 10 | 101001202 | 1 |
| 12 | 101201602 | 1 |
| 14 | 101201602 | 1 |
| 16 | 101401602 | 1 |
| 18 | 101401602 | 1 |
| 20 | 101601602 | 1 |



| Codice | ISO | Descrizione | H | d | D | D3 |
|----------|-----|---------------------------------|-----|----|----|----|
| 350WE306 | 50 | ISO50 MAS403BT WELDON H130 D.6 | 130 | 6 | 25 | 35 |
| 350WE308 | 50 | ISO50 MAS403BT WELDON H130 D.8 | 130 | 8 | 28 | 38 |
| 350WE310 | 50 | ISO50 MAS403BT WELDON H130 D.10 | 130 | 10 | 35 | 42 |
| 350WE312 | 50 | ISO50 MAS403BT WELDON H130 D.12 | 130 | 12 | 42 | 48 |
| 350WE314 | 50 | ISO50 MAS403BT WELDON H130 D.14 | 130 | 14 | 44 | 50 |
| 350WE316 | 50 | ISO50 MAS403BT WELDON H130 D.16 | 130 | 16 | 48 | 54 |
| 350WE318 | 50 | ISO50 MAS403BT WELDON H130 D.18 | 130 | 18 | 50 | 56 |
| 350WE320 | 50 | ISO50 MAS403BT WELDON H130 D.20 | 130 | 20 | 52 | 66 |
| 350WE325 | 50 | ISO50 MAS403BT WELDON H130 D.25 | 130 | 25 | 65 | 72 |
| 350WE332 | 50 | ISO50 MAS403BT WELDON H130 D.32 | 130 | 32 | 72 | - |
| 350WE340 | 50 | ISO50 MAS403BT WELDON H130 D.40 | 130 | 40 | 80 | - |


COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

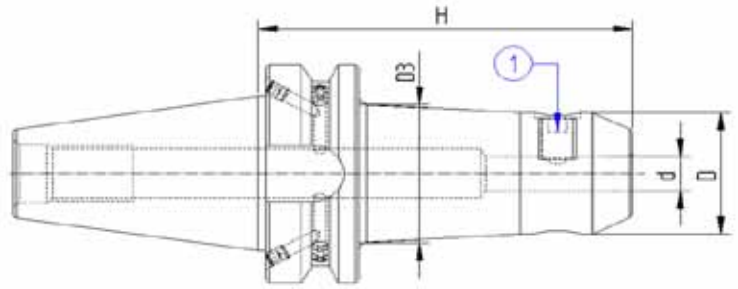
| Ø | Grano | Q.tà |
|---|-----------|------|
|  | | |
| 6 | 100601002 | 1 |
| 8 | 100801002 | 1 |
| 10 | 101001202 | 1 |
| 12 | 101201602 | 1 |
| 14 | 101201602 | 1 |
| 16 | 101401602 | 1 |
| 18 | 101401602 | 1 |
| 20 | 101601602 | 1 |
| 25 | 101802002 | 2 |
| 32 | 102002002 | 2 |
| 40 | 102002002 | 2 |



| Codice | ISO | Descrizione | H | d | D | D3 |
|----------|-----|---------------------------------|-----|----|----|----|
| 350WE406 | 50 | ISO50 MAS403BT WELDON H160 D.6 | 160 | 6 | 25 | 42 |
| 350WE408 | 50 | ISO50 MAS403BT WELDON H160 D.8 | 160 | 8 | 28 | 45 |
| 350WE410 | 50 | ISO50 MAS403BT WELDON H160 D.10 | 160 | 10 | 35 | 49 |
| 350WE412 | 50 | ISO50 MAS403BT WELDON H160 D.12 | 160 | 12 | 42 | 55 |
| 350WE414 | 50 | ISO50 MAS403BT WELDON H160 D.14 | 160 | 14 | 44 | 57 |
| 350WE416 | 50 | ISO50 MAS403BT WELDON H160 D.16 | 160 | 16 | 48 | 60 |
| 350WE418 | 50 | ISO50 MAS403BT WELDON H160 D.18 | 160 | 18 | 50 | 63 |
| 350WE420 | 50 | ISO50 MAS403BT WELDON H160 D.20 | 160 | 20 | 52 | 69 |
| 350WE425 | 50 | ISO50 MAS403BT WELDON H160 D.25 | 160 | 25 | 65 | 72 |
| 350WE432 | 50 | ISO50 MAS403BT WELDON H160 D.32 | 160 | 32 | 72 | - |
| 350WE440 | 50 | ISO50 MAS403BT WELDON H160 D.40 | 160 | 40 | 80 | - |


COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

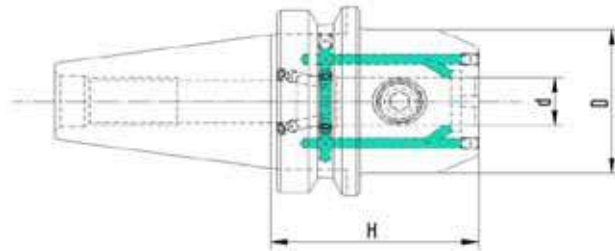
| Ø | Grano | Q.tà |
|---|-----------|------|
|  | | |
| 6 | 100601002 | 1 |
| 8 | 100801002 | 1 |
| 10 | 101001202 | 1 |
| 12 | 101201602 | 1 |
| 14 | 101201602 | 1 |
| 16 | 101401602 | 1 |
| 18 | 101401602 | 1 |
| 20 | 101601602 | 1 |
| 25 | 101802002 | 2 |
| 32 | 102002002 | 2 |
| 40 | 102002002 | 2 |



| Codice | ISO | Descrizione | H | d | D | D3 |
|----------|-----|---------------------------------|-----|----|----|----|
| 350WE506 | 50 | ISO50 MAS403BT WELDON H200 D.6 | 200 | 6 | 25 | 42 |
| 350WE508 | 50 | ISO50 MAS403BT WELDON H200 D.8 | 200 | 8 | 28 | 45 |
| 350WE510 | 50 | ISO50 MAS403BT WELDON H200 D.10 | 200 | 10 | 35 | 49 |
| 350WE512 | 50 | ISO50 MAS403BT WELDON H200 D.12 | 200 | 12 | 42 | 55 |
| 350WE514 | 50 | ISO50 MAS403BT WELDON H200 D.14 | 200 | 14 | 44 | 57 |
| 350WE516 | 50 | ISO50 MAS403BT WELDON H200 D.16 | 200 | 16 | 48 | 60 |
| 350WE518 | 50 | ISO50 MAS403BT WELDON H200 D.18 | 200 | 18 | 50 | 63 |
| 350WE520 | 50 | ISO50 MAS403BT WELDON H200 D.20 | 200 | 20 | 52 | 63 |
| 350WE525 | 50 | ISO50 MAS403BT WELDON H200 D.25 | 200 | 25 | 65 | 72 |
| 350WE532 | 50 | ISO50 MAS403BT WELDON H200 D.32 | 200 | 32 | 72 | - |
| 350WE540 | 50 | ISO50 MAS403BT WELDON H200 D.40 | 200 | 40 | 80 | - |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà |
|---|-----------|------|
|  | | |
| 6 | 100601002 | 1 |
| 8 | 100801002 | 1 |
| 10 | 101001202 | 1 |
| 12 | 101201602 | 1 |
| 14 | 101201602 | 1 |
| 16 | 101401602 | 1 |
| 18 | 101401602 | 1 |
| 20 | 101601602 | 1 |
| 25 | 101802002 | 2 |
| 32 | 102002002 | 2 |
| 40 | 102002002 | 2 |



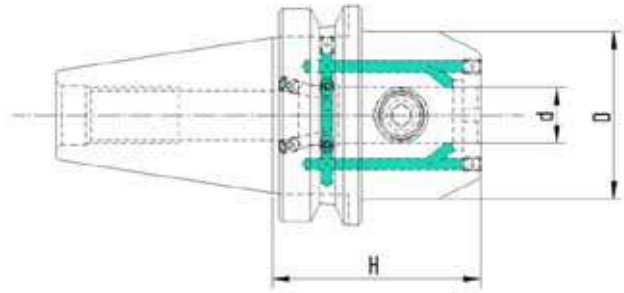
| Codice | ISO | Descrizione | H | d | D |
|----------|-----|---------------------------------|-----|----|----|
| 340WLK06 | 40 | ISO40 MAS403BT WELDON H50 D.06 | 50 | 6 | 25 |
| 340WLK08 | 40 | ISO40 MAS403BT WELDON H50 D.08 | 50 | 8 | 28 |
| 340WLK10 | 40 | ISO40 MAS403BT WELDON H63 D.10 | 63 | 10 | 35 |
| 340WLK12 | 40 | ISO40 MAS403BT WELDON H63 D.12 | 63 | 12 | 42 |
| 340WLK14 | 40 | ISO40 MAS403BT WELDON H63 D.14 | 63 | 14 | 44 |
| 340WLK16 | 40 | ISO40 MAS403BT WELDON H63 D.16 | 63 | 16 | 48 |
| 340WLK18 | 40 | ISO40 MAS403BT WELDON H63 D.18 | 63 | 18 | 50 |
| 340WLK20 | 40 | ISO40 MAS403BT WELDON H63 D.20 | 63 | 20 | 52 |
| 340WLK25 | 40 | ISO40 MAS403BT WELDON H90 D.25 | 90 | 25 | 63 |
| 340WLK32 | 40 | ISO40 MAS403BT WELDON H100 D.32 | 100 | 32 | 72 |
| 340WLK40 | 40 | ISO40 MAS403BT WELDON H105 D.40 | 105 | 40 | 80 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà |
|---|-------|------|
|---|-------|------|



| | | |
|----|-----------|---|
| 6 | 100601002 | 1 |
| 8 | 100801002 | 1 |
| 10 | 101001202 | 1 |
| 12 | 101201602 | 1 |
| 14 | 101201602 | 1 |
| 16 | 101401602 | 1 |
| 18 | 101401602 | 1 |
| 20 | 101601602 | 1 |
| 25 | 101802002 | 2 |
| 32 | 102002002 | 2 |
| 40 | 102002002 | 2 |



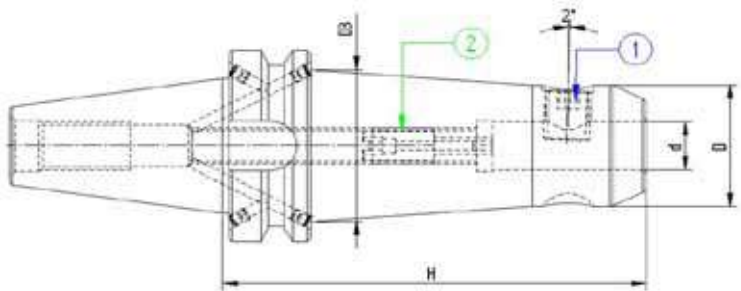
| Codice | ISO | Descrizione | H | d | D |
|---------------|------------|---------------------------------|----------|----------|----------|
| 350WLK06 | 50 | ISO50 MAS403BT WELDON H63 D.06 | 63 | 6 | 25 |
| 350WLK08 | 50 | ISO50 MAS403BT WELDON H63 D.08 | 63 | 8 | 28 |
| 350WLK10 | 50 | ISO50 MAS403BT WELDON H70 D.10 | 70 | 10 | 35 |
| 350WLK12 | 50 | ISO50 MAS403BT WELDON H80 D.12 | 80 | 12 | 42 |
| 350WLK14 | 50 | ISO50 MAS403BT WELDON H80 D.14 | 80 | 14 | 44 |
| 350WLK16 | 50 | ISO50 MAS403BT WELDON H80 D.16 | 80 | 16 | 48 |
| 350WLK18 | 50 | ISO50 MAS403BT WELDON H80 D.18 | 80 | 18 | 50 |
| 350WLK20 | 50 | ISO50 MAS403BT WELDON H80 D.20 | 80 | 20 | 52 |
| 350WLK25 | 50 | ISO50 MAS403BT WELDON H100 D.25 | 100 | 25 | 63 |
| 350WLK32 | 50 | ISO50 MAS403BT WELDON H105 D.32 | 105 | 32 | 72 |
| 350WLK40 | 50 | ISO50 MAS403BT WELDON H120 D.40 | 120 | 40 | 80 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà |
|----------|--------------|-------------|
|----------|--------------|-------------|





| | | |
|----|-----------|---|
| 6 | 100601002 | 1 |
| 8 | 100801002 | 1 |
| 10 | 101001202 | 1 |
| 12 | 101201602 | 1 |
| 14 | 101201602 | 1 |
| 16 | 101401602 | 1 |
| 18 | 101401602 | 1 |
| 20 | 101601602 | 1 |
| 25 | 101802002 | 2 |
| 32 | 102002002 | 2 |
| 40 | 102002002 | 2 |



| Codice | ISO | Descrizione | H | d | D | D3 |
|----------|-----|----------------------------------|-----|----|----|----|
| 340WN206 | 40 | ISO40 MAS403BT W/NOTCH H100 D.06 | 100 | 6 | 25 | 35 |
| 340WN208 | 40 | ISO40 MAS403BT W/NOTCH H100 D.08 | 100 | 8 | 28 | 38 |
| 340WN210 | 40 | ISO40 MAS403BT W/NOTCH H100 D.10 | 100 | 10 | 35 | 40 |
| 340WN212 | 40 | ISO40 MAS403BT W/NOTCH H100 D.12 | 100 | 12 | 42 | - |
| 340WN214 | 40 | ISO40 MAS403BT W/NOTCH H100 D.14 | 100 | 14 | 44 | - |
| 340WN216 | 40 | ISO40 MAS403BT W/NOTCH H100 D.16 | 100 | 16 | 48 | - |
| 340WN218 | 40 | ISO40 MAS403BT W/NOTCH H100 D.18 | 100 | 18 | 50 | - |
| 340WN220 | 40 | ISO40 MAS403BT W/NOTCH H100 D.20 | 100 | 20 | 52 | - |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà | Vite | Q.tà |
|----|---|------|--|------|
| |  | |  | |
| | 1 | | 2 | |
| 6 | 100601002 | 1 | 100501601 | 1 |
| 8 | 100801002 | 1 | 100601601 | 1 |
| 10 | 101001202 | 1 | 100801601 | 1 |
| 12 | 101201602 | 1 | 101002501 | 1 |
| 14 | 101201602 | 1 | 101002501 | 1 |
| 16 | 101401602 | 1 | 101204001 | 1 |
| 18 | 101401602 | 1 | 101204001 | 1 |
| 20 | 101601602 | 1 | 101603501 | 1 |

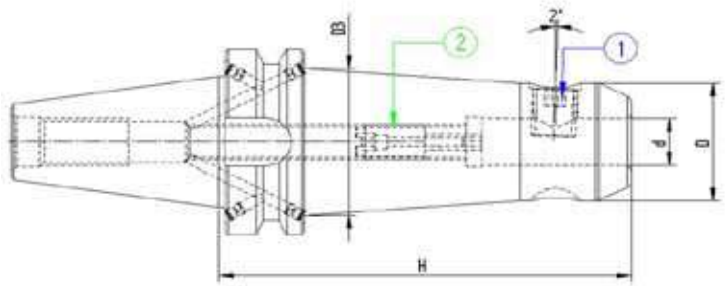


MANDRINI PORTAFRESE TIPO WHISTLE NOTCH
 END MILL HOLDERS WHISTLE NOTCH
 MANDRINS POUR OUTIL TYPE WHISTLE NOTCH
 ZYLINDERSCHAFTAUFNHME WHISTLE NOTCH





JIS-B 6339 .M.AS 403/BT .AD/B

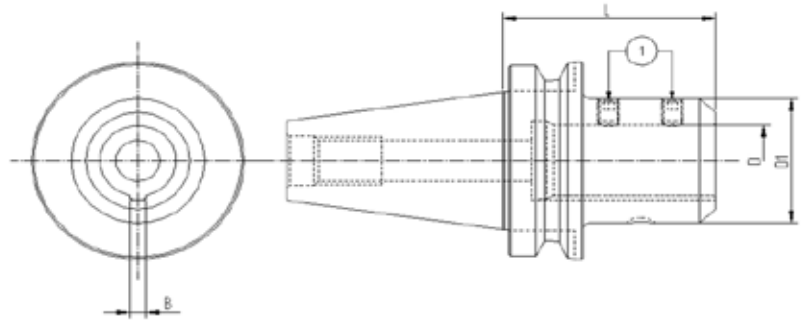
DIN 1835 E



| Codice | ISO | Descrizione | H | d | D | D3 |
|----------|-----|----------------------------------|-----|----|----|----|
| 350WN206 | 50 | ISO50 MAS403BT W/NOTCH H100 D.06 | 100 | 6 | 25 | 35 |
| 350WN208 | 50 | ISO50 MAS403BT W/NOTCH H100 D.08 | 100 | 8 | 28 | 38 |
| 350WN210 | 50 | ISO50 MAS403BT W/NOTCH H100 D.10 | 100 | 10 | 35 | 40 |
| 350WN212 | 50 | ISO50 MAS403BT W/NOTCH H100 D.12 | 100 | 12 | 42 | 48 |
| 350WN214 | 50 | ISO50 MAS403BT W/NOTCH H100 D.14 | 100 | 14 | 44 | 50 |
| 350WN216 | 50 | ISO50 MAS403BT W/NOTCH H100 D.16 | 100 | 16 | 48 | 54 |
| 350WN218 | 50 | ISO50 MAS403BT W/NOTCH H100 D.18 | 100 | 18 | 50 | 62 |
| 350WN220 | 50 | ISO50 MAS403BT W/NOTCH H100 D.20 | 100 | 20 | 52 | 66 |



COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Grano | Q.tà | Vite | Q.tà |
|----|---|------|---|------|
| |  | |  | |
| | 1 | | 2 | |
| 6 | 100601002 | 1 | 100501601 | 1 |
| 8 | 100801002 | 1 | 100601601 | 1 |
| 10 | 101001202 | 1 | 100801601 | 1 |
| 12 | 101201602 | 1 | 101002501 | 1 |
| 14 | 101201602 | 1 | 101002501 | 1 |
| 16 | 101401602 | 1 | 101204001 | 1 |
| 18 | 101401602 | 1 | 101204001 | 1 |
| 20 | 101601602 | 1 | 101603501 | 1 |



| Codice | ISO | Descrizione | L | D | D1 | B |
|----------|-----|------------------------------------|-----|----|----|---|
| 340AR128 | 40 | ISO40 MAS403BT AST.REG. H.70 D.28 | 70 | 28 | 50 | 6 |
| 340AR136 | 40 | ISO40 MAS403BT AST.REG. H.120 D.36 | 120 | 36 | 63 | 8 |
| Codice | ISO | Descrizione | L | D | D1 | B |
| 350AR128 | 50 | ISO50 MAS403BT AST.REG. H.100 D.28 | 100 | 28 | 50 | 6 |
| 350AR136 | 50 | ISO50 MAS403BT AST.REG. H.100 D.36 | 100 | 36 | 63 | 8 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| D. | Grano | Q.tà |
|---|-----------|------|
|  | | |
|  | | |
| 28 | 100801002 | 2 |
| 36 | 101001202 | 2 |

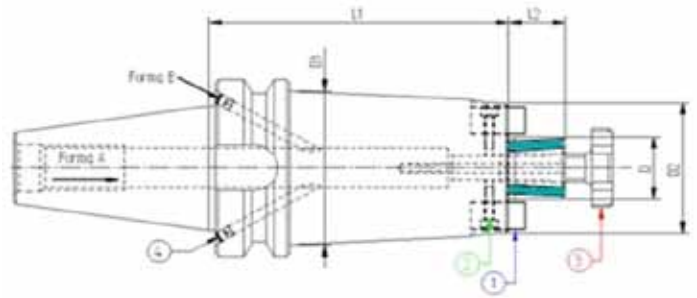


PORTAFRESE FISSI CON PASSAGGIO REFRIGERANTE
SHELL MILL HOLDERS WITH INTERNAL COOLANT SUPPLY
PORTE-FRAISES ENTRAÎNEMENT AVEC ARROSAGE INTERNE
AUFSTECKFRAESERDORNE MIT QUERNUT UND KÜHLMITTELZUFUHR






JIS-B 6339 .M.1S 403/BT .AD/B

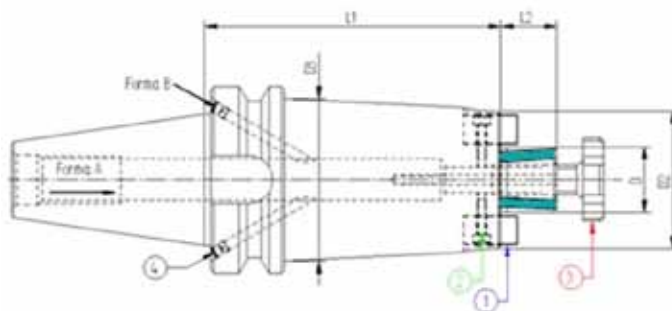
ISO 3937



| Codice | ISO | Descrizione | L1 | L2 | D | D2 | D3 |
|----------|-----|------------------------------------|-----|----|----|----|----|
| 340PF016 | 40 | ISO40 MAS403BT P/F FISSO H35 D.16 | 35 | 17 | 16 | 46 | - |
| 340PF022 | 40 | ISO40 MAS403BT P/F FISSO H35 D.22 | 35 | 19 | 22 | 59 | - |
| 340PF027 | 40 | ISO40 MAS403BT P/F FISSO H35 D.27 | 35 | 21 | 27 | 58 | - |
| 340PF116 | 40 | ISO40 MAS403BT P/F FISSO H45 D.16 | 45 | 17 | 16 | 38 | - |
| 340PF122 | 40 | ISO40 MAS403BT P/F FISSO H45 D.22 | 45 | 19 | 22 | 48 | - |
| 340PF127 | 40 | ISO40 MAS403BT P/F FISSO H45 D.27 | 45 | 21 | 27 | 58 | - |
| 340PF132 | 40 | ISO40 MAS403BT P/F FISSO H50 D.32 | 50 | 24 | 32 | 78 | - |
| 340PF140 | 40 | ISO40 MAS403BT P/F FISSO H55 D.40 | 55 | 27 | 40 | 88 | - |
| 340PF216 | 40 | ISO40 MAS403BT P/F FISSO H100 D.16 | 100 | 17 | 16 | 32 | 40 |
| 340PF222 | 40 | ISO40 MAS403BT P/F FISSO H100 D.22 | 100 | 19 | 22 | 40 | 48 |
| 340PF227 | 40 | ISO40 MAS403BT P/F FISSO H100 D.27 | 100 | 21 | 27 | 48 | - |
| 340PF232 | 40 | ISO40 MAS403BT P/F FISSO H100 D.32 | 100 | 24 | 32 | 58 | - |
| 340PF240 | 40 | ISO40 MAS403BT P/F FISSO H100 D.40 | 100 | 27 | 40 | 70 | - |




COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

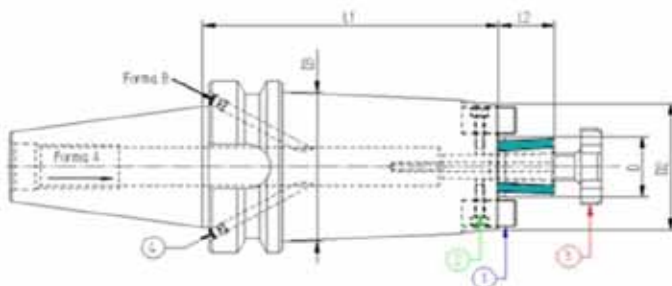
| D / D2 | Tassello | Q.tà | Vite | Q.tà | Vite Croce | Q.tà |
|--------------|---|------|---|------|---|------|
| |  | |  | |  | |
| | 1 | | 2 | | 3 | |
| 16 / 46 | 916TSL01 | 2 | 110301001 | 2 | 916VTC02 | 1 |
| 16 / 32 | 916TSL10 | 2 | 110300801 | 2 | 916VTC02 | 1 |
| 16 / 38 | 916TSL11 | 2 | 110301201 | 2 | 916VTC02 | 1 |
| 22 / 59 | 922TSL11 | 2 | 110401201 | 2 | 922VTC02 | 1 |
| 22 / 48 | 922TSL11 | 2 | 110401201 | 2 | 922VTC02 | 1 |
| 22 / 40 | 922TSL10 | 2 | 110401001 | 2 | 922VTC02 | 1 |
| 27 / 58 H=35 | 927TSL02 | 2 | 110401601 | 2 | 927VTC02 | 1 |
| 27 / 58 | 927TSL11 | 2 | 110501601 | 2 | 927VTC02 | 1 |
| 27 / 48 | 927TSL10 | 2 | 110501201 | 2 | 927VTC02 | 1 |
| 32 / 78 | 932TSL12 | 2 | 110602001 | 2 | 932VTC02 | 1 |
| 32 / 58 | 932TSL10 | 2 | 110601201 | 2 | 932VTC02 | 1 |
| 40 / 88 | 940TSL11 | 2 | 110602002 | 2 | 940VTC02 | 1 |
| 40 / 70 | 940TSL10 | 2 | 110602001 | 2 | 940VTC02 | 1 |



| Codice | ISO | Descrizione | L1 | L2 | D | D2 | D3 |
|----------|-----|------------------------------------|-----|----|----|----|----|
| 340PF316 | 40 | ISO40 MAS403BT P/F FISSO H130 D.16 | 130 | 17 | 16 | 39 | - |
| 340PF322 | 40 | ISO40 MAS403BT P/F FISSO H130 D.22 | 130 | 19 | 22 | 46 | 48 |
| 340PF327 | 40 | ISO40 MAS403BT P/F FISSO H130 D.27 | 130 | 21 | 27 | 55 | - |
| 340PF332 | 40 | ISO40 MAS403BT P/F FISSO H130 D.32 | 130 | 24 | 32 | 66 | 60 |
| 340PF340 | 40 | ISO40 MAS403BT P/F FISSO H130 D.40 | 130 | 27 | 40 | 88 | 60 |
| 340PF416 | 40 | ISO40 MAS403BT P/F FISSO H160 D.16 | 160 | 17 | 16 | 39 | - |
| 340PF422 | 40 | ISO40 MAS403BT P/F FISSO H160 D.22 | 160 | 19 | 22 | 46 | 48 |
| 340PF427 | 40 | ISO40 MAS403BT P/F FISSO H160 D.27 | 160 | 21 | 27 | 55 | - |
| 340PF432 | 40 | ISO40 MAS403BT P/F FISSO H160 D.32 | 160 | 24 | 32 | 66 | 55 |
| 340PF440 | 40 | ISO40 MAS403BT P/F FISSO H160 D.40 | 160 | 27 | 40 | 88 | 60 |
| 340PF516 | 40 | ISO40 MAS403BT P/F FISSO H200 D.16 | 200 | 17 | 16 | 39 | - |
| 340PF522 | 40 | ISO40 MAS403BT P/F FISSO H200 D.22 | 200 | 19 | 22 | 46 | 48 |
| 340PF527 | 40 | ISO40 MAS403BT P/F FISSO H200 D.27 | 200 | 21 | 27 | 55 | - |
| 340PF532 | 40 | ISO40 MAS403BT P/F FISSO H200 D.32 | 200 | 24 | 32 | 66 | 60 |
| 340PF540 | 40 | ISO40 MAS403BT P/F FISSO H200 D.40 | 200 | 27 | 40 | 88 | 60 |




COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

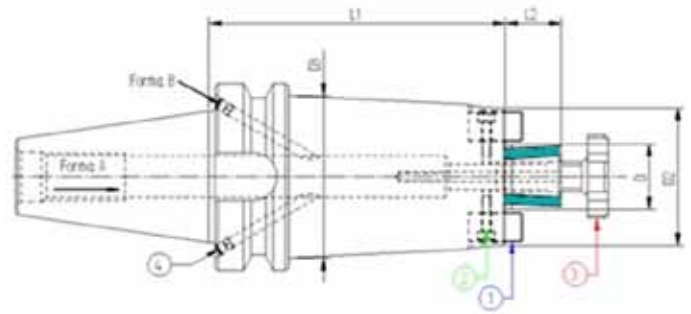
| D / D2 | Tassello | Q.tà | Vite | Q.tà | Vite Croce | Q.tà |
|---------|---|------|---|------|---|------|
| |  | |  | |  | |
| | 1 | | 2 | | 3 | |
| 16 / 39 | 916TSL11 | 2 | 110301201 | 2 | 916VTC02 | 1 |
| 22 / 46 | 922TSL11 | 2 | 110401201 | 2 | 922VTC02 | 1 |
| 27 / 55 | 927TSL11 | 2 | 110501601 | 2 | 927VTC02 | 1 |
| 32 / 66 | 932TSL11 | 2 | 110602001 | 2 | 932VTC02 | 1 |
| 40 / 88 | 940TSL11 | 2 | 110602001 | 2 | 940VTC02 | 1 |



| Codice | ISO | Descrizione | L1 | L2 | D | D2 | D3 |
|----------|-----|------------------------------------|-----|----|----|----|----|
| 350PF016 | 50 | ISO50 MAS403BT P/F FISSO H50 D.16 | 50 | 17 | 16 | 46 | - |
| 350PF022 | 50 | ISO50 MAS403BT P/F FISSO H50 D.22 | 50 | 19 | 22 | 48 | - |
| 350PF027 | 50 | ISO50 MAS403BT P/F FISSO H50 D.27 | 50 | 21 | 27 | 58 | - |
| 350PF032 | 50 | ISO50 MAS403BT P/F FISSO H50 D.32 | 50 | 24 | 32 | 66 | - |
| 350PF040 | 50 | ISO50 MAS403BT P/F FISSO H50 D.40 | 50 | 27 | 40 | 80 | - |
| 350PF116 | 50 | ISO50 MAS403BT P/F FISSO H60 D.16 | 60 | 17 | 16 | 38 | - |
| 350PF122 | 50 | ISO50 MAS403BT P/F FISSO H60 D.22 | 60 | 19 | 22 | 48 | - |
| 350PF127 | 50 | ISO50 MAS403BT P/F FISSO H60 D.27 | 60 | 21 | 27 | 58 | - |
| 350PF132 | 50 | ISO50 MAS403BT P/F FISSO H60 D.32 | 60 | 24 | 32 | 78 | - |
| 350PF140 | 50 | ISO50 MAS403BT P/F FISSO H60 D.40 | 60 | 27 | 40 | 88 | - |
| 350PF216 | 50 | ISO50 MAS403BT P/F FISSO H100 D.16 | 100 | 17 | 16 | 32 | 40 |
| 350PF222 | 50 | ISO50 MAS403BT P/F FISSO H100 D.22 | 100 | 19 | 22 | 40 | 52 |
| 350PF227 | 50 | ISO50 MAS403BT P/F FISSO H100 D.27 | 100 | 21 | 27 | 48 | 55 |
| 350PF232 | 50 | ISO50 MAS403BT P/F FISSO H100 D.32 | 100 | 24 | 32 | 58 | 65 |
| 350PF240 | 50 | ISO50 MAS403BT P/F FISSO H100 D.40 | 100 | 27 | 40 | 70 | - |




COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| D / D2 | Tassello | Q.tà | Vite | Q.tà | Vite Croce | Q.tà |
|--------------|---|------|---|------|---|------|
| |  | |  | |  | |
| | 1 | | 2 | | 3 | |
| 16 / 46 | 916TSL11 | 2 | 110301001 | 2 | 916VTC02 | 1 |
| 16 / 38 | 916TSL11 | 2 | 110301201 | 2 | 916VTC02 | 1 |
| 16 / 32 | 916TSL10 | 2 | 110300801 | 2 | 916VTC02 | 1 |
| 22 / 48 | 922TSL11 | 2 | 110401201 | 2 | 922VTC02 | 1 |
| 22 / 40 | 922TSL10 | 2 | 110401001 | 2 | 922VTC02 | 1 |
| 27 / 58 H=50 | 927TSL01 | 2 | 110401601 | 2 | 927VTC02 | 1 |
| 27 / 58 H=60 | 927TSL11 | 2 | 110501601 | 2 | 927VTC02 | 1 |
| 27 / 48 | 927TSL10 | 2 | 110501201 | 2 | 927VTC02 | 1 |
| 32 / 66 | 932TSL02 | 2 | 110601601 | 2 | 932VTC02 | 1 |
| 32 / 78 | 932TSL12 | 2 | 110602001 | 2 | 932VTC02 | 1 |
| 32 / 58 | 932TSL10 | 2 | 110601201 | 2 | 932VTC02 | 1 |
| 40 / 80 | 940TSL05 | 2 | 110601601 | 2 | 940VTC02 | 1 |
| 40 / 88 | 940TSL11 | 2 | 110602001 | 2 | 940VTC02 | 1 |
| 40 / 70 | 940TSL10 | 2 | 110602001 | 2 | 940VTC02 | 1 |



| Codice | ISO | Descrizione | L1 | L2 | D | D2 | D3 |
|----------|-----|------------------------------------|-----|----|----|----|----|
| 350PF316 | 50 | ISO50 MAS403BT P/F FISSO H130 D.16 | 130 | 17 | 16 | 39 | - |
| 350PF322 | 50 | ISO50 MAS403BT P/F FISSO H130 D.22 | 130 | 19 | 22 | 46 | 56 |
| 350PF327 | 50 | ISO50 MAS403BT P/F FISSO H130 D.27 | 130 | 21 | 27 | 55 | 78 |
| 350PF332 | 50 | ISO50 MAS403BT P/F FISSO H130 D.32 | 130 | 24 | 32 | 66 | 78 |
| 350PF340 | 50 | ISO50 MAS403BT P/F FISSO H130 D.40 | 130 | 27 | 40 | 70 | 78 |
| 350PF416 | 50 | ISO50 MAS403BT P/F FISSO H160 D.16 | 160 | 17 | 16 | 39 | - |
| 350PF422 | 50 | ISO50 MAS403BT P/F FISSO H160 D.22 | 160 | 19 | 22 | 46 | 49 |
| 350PF427 | 50 | ISO50 MAS403BT P/F FISSO H160 D.27 | 160 | 21 | 27 | 55 | 78 |
| 350PF432 | 50 | ISO50 MAS403BT P/F FISSO H160 D.32 | 160 | 24 | 32 | 66 | 78 |
| 350PF440 | 50 | ISO50 MAS403BT P/F FISSO H160 D.40 | 160 | 27 | 40 | 70 | 78 |
| 350PF516 | 50 | ISO50 MAS403BT P/F FISSO H200 D.16 | 200 | 17 | 16 | 39 | - |
| 350PF522 | 50 | ISO50 MAS403BT P/F FISSO H200 D.22 | 200 | 19 | 22 | 46 | 49 |
| 350PF527 | 50 | ISO50 MAS403BT P/F FISSO H200 D.27 | 200 | 21 | 27 | 55 | 78 |
| 350PF532 | 50 | ISO50 MAS403BT P/F FISSO H200 D.32 | 200 | 24 | 32 | 66 | 78 |
| 350PF540 | 50 | ISO50 MAS403BT P/F FISSO H200 D.40 | 200 | 27 | 40 | 70 | 78 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| D / D2 | Tassello | Q.tà | Vite | Q.tà | Vite Croce | Q.tà |
|---------|---|------|---|------|---|------|
| |  | |  | |  | |
| | 1 | | 2 | | 3 | |
| 16 / 39 | 916TSL11 | 2 | 110301201 | 2 | 916VTC02 | 1 |
| 22 / 46 | 922TSL11 | 2 | 110401201 | 2 | 922VTC02 | 1 |
| 27 / 55 | 927TSL11 | 2 | 110501601 | 2 | 927VTC02 | 1 |
| 32 / 66 | 932TSL11 | 2 | 110602001 | 2 | 932VTC02 | 1 |
| 40 / 70 | 940TSL10 | 2 | 110602001 | 2 | 940VTC02 | 1 |

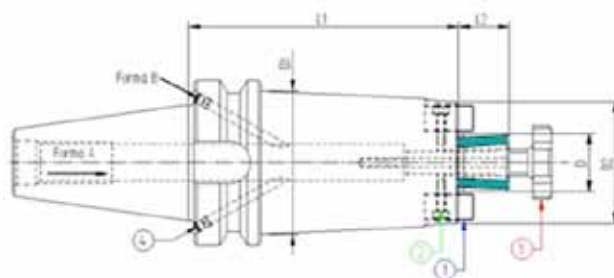


PORTAFRESE FISSI CON PASSAGGIO REFRIGERANTE
SHELL END MILL HOLDERS WITH INTERNAL COOLANT SUPPLY
PORTE-FRAISES ENTRAINEMENT AVEC ARROSAGE INTERNE
AUFSTECKFRAESDORNE MIT QUERNUT UND KUHLMITTELZUFUHR






JIS-B 6339 .M.AS 403/BT .AD/B

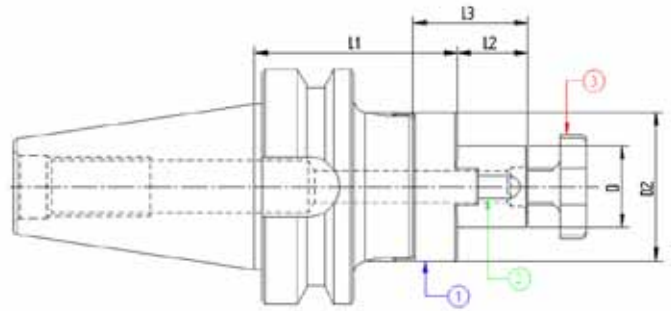
ISO 3937



| Codice | ISO | Descrizione | L1 | L2 | d | D2 | D3 |
|----------|-----|------------------------------------|-----|----|----|----|----|
| 350PF616 | 50 | ISO50 MAS403BT P/F FISSO H250 D.16 | 250 | 17 | 16 | 39 | - |
| 350PF622 | 50 | ISO50 MAS403BT P/F FISSO H250 D.22 | 250 | 19 | 22 | 50 | 60 |
| 350PF627 | 50 | ISO50 MAS403BT P/F FISSO H250 D.27 | 250 | 21 | 27 | 55 | 78 |
| 350PF632 | 50 | ISO50 MAS403BT P/F FISSO H250 D.32 | 250 | 24 | 32 | 64 | 78 |
| 350PF640 | 50 | ISO50 MAS403BT P/F FISSO H250 D.40 | 250 | 27 | 40 | 88 | 88 |
| 350PF716 | 50 | ISO50 MAS403BT P/F FISSO H300 D.16 | 300 | 17 | 16 | 39 | 55 |
| 350PF722 | 50 | ISO50 MAS403BT P/F FISSO H300 D.22 | 300 | 19 | 22 | 50 | 60 |
| 350PF727 | 50 | ISO50 MAS403BT P/F FISSO H300 D.27 | 300 | 21 | 27 | 55 | 78 |
| 350PF732 | 50 | ISO50 MAS403BT P/F FISSO H300 D.32 | 300 | 24 | 32 | 66 | 80 |
| 350PF740 | 50 | ISO50 MAS403BT P/F FISSO H300 D.40 | 300 | 27 | 40 | 80 | 80 |
| 350PF816 | 50 | ISO50 MAS403BT P/F FISSO H350 D.16 | 350 | 17 | 16 | 39 | 55 |
| 350PF822 | 50 | ISO50 MAS403BT P/F FISSO H350 D.22 | 350 | 19 | 22 | 50 | 66 |
| 350PF827 | 50 | ISO50 MAS403BT P/F FISSO H350 D.27 | 350 | 21 | 27 | 55 | 78 |
| 350PF832 | 50 | ISO50 MAS403BT P/F FISSO H350 D.32 | 350 | 24 | 32 | 66 | 80 |
| 350PF840 | 50 | ISO50 MAS403BT P/F FISSO H350 D.40 | 350 | 27 | 40 | 80 | 80 |




COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

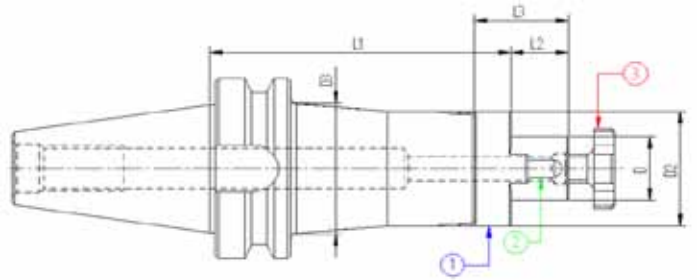
| D / D2 | Tassello | Q.tà | Vite | Q.tà | Vite Croce | Q.tà |
|---------|---|------|---|------|---|------|
| |  | |  | |  | |
| | 1 | | 2 | | 3 | |
| 16 / 39 | 916TSL01 | 2 | 110301001 | 2 | 916VTC02 | 1 |
| 22 / 50 | 922TSL01 | 2 | 110301201 | 2 | 922VTC02 | 1 |
| 27 / 55 | 927TSL01 | 2 | 110401601 | 2 | 927VTC02 | 1 |
| 32 / 66 | 932TSL01 | 2 | 110601601 | 2 | 932VTC02 | 1 |
| 40 / 80 | 940TSL01 | 2 | 110601601 | 2 | 940VTC02 | 1 |
| 40 / 88 | 940TSL11 | 2 | 110602001 | 2 | 940VTC02 | 1 |



| Codice | ISO | Descrizione | L1 | L2 | L3 | D | D2 |
|----------|-----|-------------------------------------|----|----|----|----|----|
| 340PU116 | 40 | ISO40 MAS403BT P/F UNIVERS.H55 D.16 | 55 | 17 | 27 | 16 | 32 |
| 340PU122 | 40 | ISO40 MAS403BT P/F UNIVERS.H55 D.22 | 55 | 19 | 31 | 22 | 40 |
| 340PU127 | 40 | ISO40 MAS403BT P/F UNIVERS.H55 D.27 | 55 | 21 | 33 | 27 | 48 |
| 340PU132 | 40 | ISO40 MAS403BT P/F UNIVERS.H60 D.32 | 60 | 24 | 38 | 32 | 58 |
| 340PU140 | 40 | ISO40 MAS403BT P/F UNIVERS.H60 D.40 | 60 | 27 | 41 | 40 | 70 |




COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

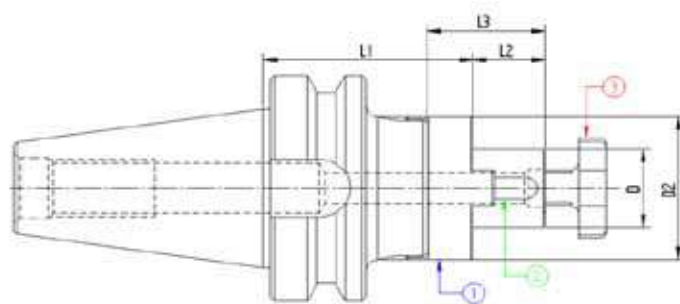
| Ø | Giunto | Q.tà | Linguetta | Q.tà | Vite Croce | Q.tà |
|----|---|------|---|------|---|------|
| |  | |  | |  | |
| | 1 | | 2 | | 3 | |
| 16 | 916GNT01 | 1 | 170402004 | 1 | 916VTC02 | 1 |
| 22 | 922GNT01 | 1 | 170602506 | 1 | 922VTC02 | 1 |
| 27 | 927GNT01 | 1 | 170702507 | 1 | 927VTC02 | 1 |
| 32 | 932GNT01 | 1 | 170802807 | 1 | 932VTC02 | 1 |
| 40 | 940GNT01 | 1 | 171003208 | 1 | 940VTC02 | 1 |



| Codice | ISO | Descrizione | L1 | L2 | L3 | D | D2 | D3 |
|----------|-----|---------------------------------------|-----|----|----|----|----|----|
| 340PU216 | 40 | ISO40 MAS403BT P/F UNIVERS.H100 D.16 | 100 | 17 | 27 | 16 | 32 | 44 |
| 340PU222 | 40 | ISO40 MAS403BT P/F UNIVERS.H100 D.22 | 100 | 19 | 31 | 22 | 40 | - |
| 340PU227 | 40 | ISO40 MAS403BT P/F UNIVERS.H100 D.27 | 100 | 21 | 33 | 27 | 48 | - |
| 340PU232 | 40 | ISO40 MAS403BT P/F UNIVERS.H100 D.32 | 100 | 24 | 38 | 32 | 58 | - |
| 340PU240 | 40 | ISO40 MAS403BT P/F UNIVERS.H100 D.40 | 100 | 27 | 41 | 40 | 70 | - |
| 340PU316 | 40 | ISO40 MAS403BT P/F UNIVERS. H130 D.16 | 130 | 17 | 27 | 16 | 32 | 44 |
| 340PU322 | 40 | ISO40 MAS403BT P/F UNIVERS. H130 D.22 | 130 | 19 | 31 | 22 | 40 | 47 |
| 340PU327 | 40 | ISO40 MAS403BT P/F UNIVERS. H130 D.27 | 130 | 21 | 33 | 27 | 48 | 55 |
| 340PU332 | 40 | ISO40 MAS403BT P/F UNIVERS. H130 D.32 | 130 | 24 | 38 | 32 | 58 | 58 |
| 340PU340 | 40 | ISO40 MAS403BT P/F UNIVERS. H130 D.40 | 130 | 27 | 41 | 40 | 70 | 62 |
| 340PU416 | 40 | ISO40 MAS403BT P/F UNIVERS. H160 D.16 | 160 | 17 | 27 | 16 | 32 | 44 |
| 340PU422 | 40 | ISO40 MAS403BT P/F UNIVERS. H160 D.22 | 160 | 19 | 31 | 22 | 40 | 47 |
| 340PU427 | 40 | ISO40 MAS403BT P/F UNIVERS. H160 D.27 | 160 | 21 | 33 | 27 | 48 | 55 |
| 340PU432 | 40 | ISO40 MAS403BT P/F UNIVERS. H160 D.32 | 160 | 24 | 38 | 32 | 58 | 58 |
| 340PU440 | 40 | ISO40 MAS403BT P/F UNIVERS. H160 D.40 | 160 | 27 | 41 | 40 | 70 | 62 |
| 340PU516 | 40 | ISO40 MAS403BT P/F UNIVERS. H200 D.16 | 200 | 17 | 27 | 16 | 32 | 44 |
| 340PU522 | 40 | ISO40 MAS403BT P/F UNIVERS. H200 D.22 | 200 | 19 | 31 | 22 | 40 | 47 |
| 340PU527 | 40 | ISO40 MAS403BT P/F UNIVERS. H200 D.27 | 200 | 21 | 33 | 27 | 48 | 55 |
| 340PU532 | 40 | ISO40 MAS403BT P/F UNIVERS. H200 D.32 | 200 | 24 | 38 | 32 | 58 | 58 |
| 340PU540 | 40 | ISO40 MAS403BT P/F UNIVERS. H200 D.40 | 200 | 27 | 41 | 40 | 70 | 62 |




COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

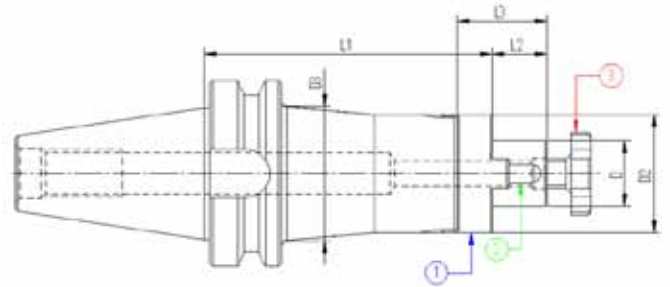
| Ø | Giunto | Q.tà | Linguetta | Q.tà | Vite Croce | Q.tà |
|----|---|------|---|------|---|------|
| |  | |  | |  | |
| 16 | 916GNT01 | 1 | 170402004 | 1 | 916VTC02 | 1 |
| 22 | 922GNT01 | 1 | 170602506 | 1 | 922VTC02 | 1 |
| 27 | 927GNT01 | 1 | 170702507 | 1 | 927VTC02 | 1 |
| 32 | 932GNT01 | 1 | 170802807 | 1 | 932VTC02 | 1 |
| 40 | 940GNT01 | 1 | 171003208 | 1 | 940VTC02 | 1 |



| Codice | ISO | Descrizione | L1 | L2 | L3 | D | D2 |
|----------|-----|--------------------------------------|----|----|----|----|----|
| 350PU116 | 50 | ISO50 MAS403BT P/F UNIVERS. H70 D.16 | 70 | 17 | 27 | 16 | 32 |
| 350PU122 | 50 | ISO50 MAS403BT P/F UNIVERS. H70 D.22 | 70 | 19 | 31 | 22 | 40 |
| 350PU127 | 50 | ISO50 MAS403BT P/F UNIVERS. H70 D.27 | 70 | 21 | 33 | 27 | 48 |
| 350PU132 | 50 | ISO50 MAS403BT P/F UNIVERS. H70 D.32 | 70 | 24 | 38 | 32 | 58 |
| 350PU140 | 50 | ISO50 MAS403BT P/F UNIVERS. H70 D.40 | 70 | 27 | 41 | 40 | 70 |




COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Giunto | Q.tà | Linguetta | Q.tà | Vite Croce | Q.tà |
|----|---|------|---|------|---|------|
| |  | |  | |  | |
| | 1 | | 2 | | 3 | |
| 16 | 916GNT01 | 1 | 170402004 | 1 | 916VTC02 | 1 |
| 22 | 922GNT01 | 1 | 170602506 | 1 | 922VTC02 | 1 |
| 27 | 927GNT01 | 1 | 170702507 | 1 | 927VTC02 | 1 |
| 32 | 932GNT01 | 1 | 170802807 | 1 | 932VTC02 | 1 |
| 40 | 940GNT01 | 1 | 171003208 | 1 | 940VTC02 | 1 |



| Codice | ISO | Descrizione | L1 | L2 | L3 | D | D2 | D3 |
|----------|-----|---------------------------------------|-----|----|----|----|----|----|
| 350PU216 | 50 | ISO50 MAS403BT P/F UNIVERS. H100 D.16 | 100 | 17 | 27 | 16 | 32 | 44 |
| 350PU222 | 50 | ISO50 MAS403BT P/F UNIVERS. H100 D.22 | 100 | 19 | 31 | 22 | 40 | 50 |
| 350PU227 | 50 | ISO50 MAS403BT P/F UNIVERS. H100 D.27 | 100 | 21 | 33 | 27 | 48 | 60 |
| 350PU232 | 50 | ISO50 MAS403BT P/F UNIVERS. H100 D.32 | 100 | 24 | 38 | 32 | 58 | - |
| 350PU240 | 50 | ISO50 MAS403BT P/F UNIVERS. H100 D.40 | 100 | 27 | 41 | 40 | 70 | - |
| 350PU316 | 50 | ISO50 MAS403BT P/F UNIVERS. H130 D.16 | 130 | 17 | 27 | 16 | 32 | 44 |
| 350PU322 | 50 | ISO50 MAS403BT P/F UNIVERS. H130 D.22 | 130 | 19 | 31 | 22 | 40 | 50 |
| 350PU327 | 50 | ISO50 MAS403BT P/F UNIVERS. H130 D.27 | 130 | 21 | 33 | 27 | 48 | 60 |
| 350PU332 | 50 | ISO50 MAS403BT P/F UNIVERS. H130 D.32 | 130 | 24 | 38 | 32 | 58 | 65 |
| 350PU340 | 50 | ISO50 MAS403BT P/F UNIVERS. H130 D.40 | 130 | 27 | 41 | 40 | 70 | 77 |
| 350PU416 | 50 | ISO50 MAS403BT P/F UNIVERS. H160 D.16 | 160 | 17 | 27 | 16 | 32 | 44 |
| 350PU422 | 50 | ISO50 MAS403BT P/F UNIVERS. H160 D.22 | 160 | 19 | 31 | 22 | 40 | 50 |
| 350PU427 | 50 | ISO50 MAS403BT P/F UNIVERS. H160 D.27 | 160 | 21 | 33 | 27 | 48 | 60 |
| 350PU432 | 50 | ISO50 MAS403BT P/F UNIVERS. H160 D.32 | 160 | 24 | 38 | 32 | 58 | 65 |
| 350PU440 | 50 | ISO50 MAS403BT P/F UNIVERS. H160 D.40 | 160 | 27 | 41 | 40 | 70 | 77 |
| 350PU516 | 50 | ISO50 MAS403BT P/F UNIVERS. H200 D.16 | 200 | 17 | 27 | 16 | 32 | 44 |
| 350PU522 | 50 | ISO50 MAS403BT P/F UNIVERS. H200 D.22 | 200 | 19 | 31 | 22 | 40 | 50 |
| 350PU527 | 50 | ISO50 MAS403BT P/F UNIVERS. H200 D.27 | 200 | 21 | 33 | 27 | 48 | 60 |
| 350PU532 | 50 | ISO50 MAS403BT P/F UNIVERS. H200 D.32 | 200 | 24 | 38 | 32 | 58 | 65 |
| 350PU540 | 50 | ISO50 MAS403BT P/F UNIVERS. H200 D.40 | 200 | 27 | 41 | 40 | 70 | 77 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Giunto | Q.tà | Linguetta | Q.tà | Vite Croce | Q.tà |
|----|---|------|---|------|---|------|
| |  | |  | |  | |
| 16 | 916GNT01 | 1 | 170402004 | 1 | 916VTC02 | 1 |
| 22 | 922GNT01 | 1 | 170602506 | 1 | 922VTC02 | 1 |
| 27 | 927GNT01 | 1 | 170702507 | 1 | 927VTC02 | 1 |
| 32 | 932GNT01 | 1 | 170802807 | 1 | 932VTC02 | 1 |
| 40 | 940GNT01 | 1 | 171003208 | 1 | 940VTC02 | 1 |

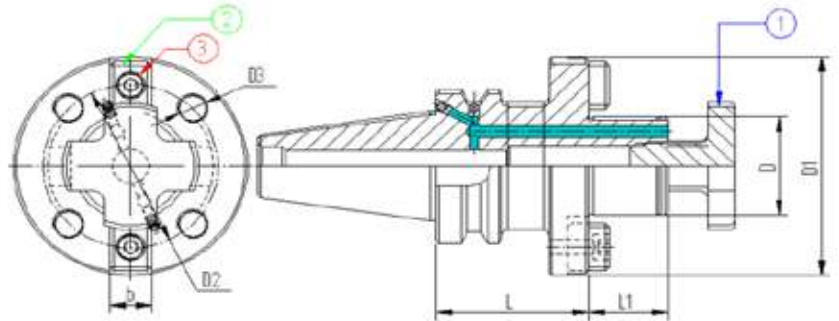


MANDRINI PORTAFRESE PER FRESE A SPIANARE
 FACE MILL HOLDER FOR FACE MILLING CUTTERS
 MANDRINS PORTE-FRAISE POUR FRAISES A SURFACER
 AUFSTECKFRAESDORNE FUER MESSERKOEPE






JIS-B 6339 .M.AS 403/BT .AD/B

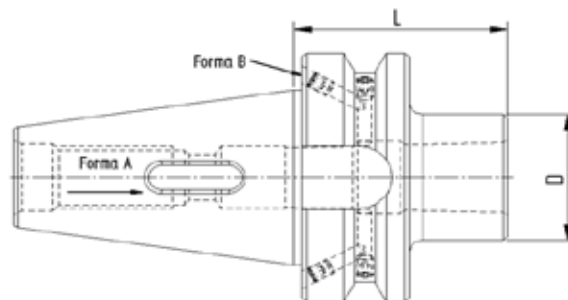
DIN 6357



| Codice | ISO | Descrizione | L | L1 | D | D1 | b | D2 | D3 |
|----------|-----|--------------------------------------|----|----|----|-----|------|-------|-----|
| 340PI140 | 40 | ISO40 MAS403BT P/F TRA.FR.H.60 D40FM | 60 | 30 | 40 | 89 | 15.9 | 66.7 | M12 |
| 350PI140 | 50 | ISO50 MAS403BT P/F TRA.FR.H70 D40FM | 70 | 30 | 40 | 89 | 15.9 | 66.7 | M12 |
| 350PI160 | 50 | ISO50 MAS403BT P/F TRA.FR.H80 D60FM | 80 | 40 | 60 | 129 | 25.4 | 101,6 | M16 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| D | Vite Croce | Q.tà | Tassello | Q.tà | Vite | Q.tà |
|----|---|------|---|------|---|------|
| |  | |  | |  | |
| | 1 | | 2 | | 3 | |
| 40 | 940VTC02 | 1 | 940TSL04 | 2 | 110601601 | 2 |
| 60 | - | - | 960TSL04 | 2 | 111202501 | 2 |



| Codice | ISO | Descrizione | L | D |
|----------|-----|--------------------------------|------|----|
| 340MP101 | 40 | ISO40 MAS403BT H50 CM1 PUNTE | 50 | 25 |
| 340MP102 | 40 | ISO40 MAS403BT H60 CM2 PUNTE | 60 | 32 |
| 340MP103 | 40 | ISO40 MAS403BT H76 CM3 PUNTE | 76 | 40 |
| 340MP104 | 40 | ISO40 MAS403BT H94.5 CM4 PUNTE | 94.5 | 48 |
| 350MP101 | 50 | ISO50 MAS403BT H45 CM1 PUNTE | 45 | 25 |
| 350MP102 | 50 | ISO50 MAS403BT H60 CM2 PUNTE | 60 | 32 |
| 350MP103 | 50 | ISO50 MAS403BT H65 CM3 PUNTE | 65 | 40 |
| 350MP104 | 50 | ISO50 MAS403BT H95 CM4 PUNTE | 95 | 48 |
| 350MP105 | 50 | ISO50 MAS403BT H105 CM5 PUNTE | 105 | 63 |

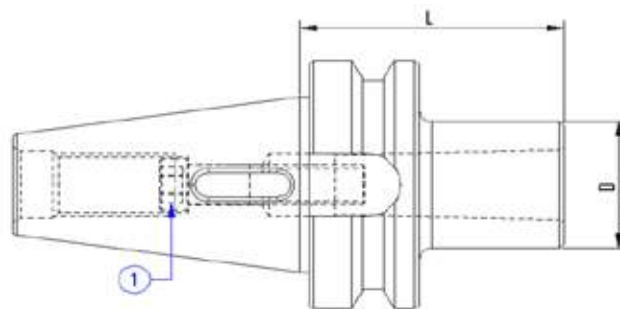
COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| ISO | TIPO | Vite | Q.tà |
|-----|------|------|------|
|-----|------|------|------|



| | | | |
|----|-----|-----------|---|
| 40 | CM1 | 110603501 | 1 |
| 40 | CM2 | 111004514 | 1 |
| 40 | CM3 | 111205001 | 1 |
| 40 | CM4 | 111606015 | 1 |
| 50 | CM1 | 110604501 | 1 |
| 50 | CM2 | 111004514 | 1 |
| 50 | CM3 | 111205001 | 1 |
| 50 | CM4 | 111606015 | 1 |
| 50 | CM5 | - | - |

**VITI FORNITE
 SOLO NEL CASO
 DI MANDRINO
 COMBINATO**



| Codice | ISO | Descrizione | L | D |
|----------|-----|-------------------------------|-----|----|
| 340MP201 | 40 | ISO40 MAS403BT H115 CM1 PUNTE | 115 | 18 |
| 340MP202 | 40 | ISO40 MAS403BT H120 CM2 PUNTE | 120 | 25 |
| 340MP203 | 40 | ISO40 MAS403BT H140 CM3 PUNTE | 140 | 33 |
| 340MP204 | 40 | ISO40 MAS403BT H165 CM4 PUNTE | 165 | 40 |
| 350MP201 | 50 | ISO50 MAS403BT H120 CM1 PUNTE | 120 | 18 |
| 350MP202 | 50 | ISO50 MAS403BT H140 CM2 PUNTE | 140 | 25 |
| 350MP203 | 50 | ISO50 MAS403BT H150 CM3 PUNTE | 150 | 33 |
| 350MP204 | 50 | ISO50 MAS403BT H180 CM4 PUNTE | 180 | 40 |
| 350MP205 | 50 | ISO50 MAS403BT H220 CM5 PUNTE | 220 | 55 |

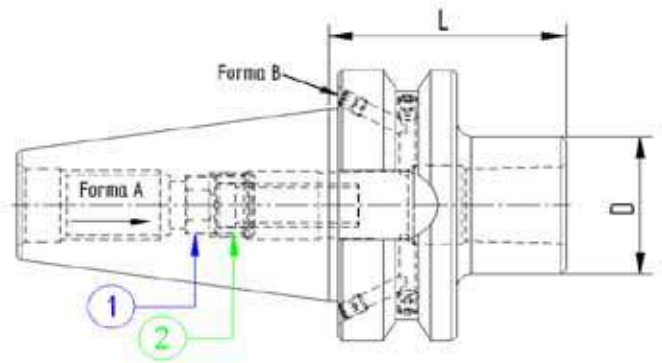
COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| ISO | TIPO | Vite | Q.tà | Vite | Q.tà |
|-----|------|------|------|------|------|
|-----|------|------|------|------|------|





| | | | | | |
|----|-----|-----------|---|-----------|---|
| 40 | CM1 | 110604501 | 1 | - | - |
| 40 | CM2 | 111006014 | 1 | - | - |
| 40 | CM3 | 111205501 | 1 | - | - |
| 40 | CM4 | - | - | - | - |
| 50 | CM1 | 110604501 | 1 | - | - |
| 50 | CM2 | 111004501 | 1 | - | - |
| 50 | CM3 | 111205501 | 1 | - | - |
| 50 | CM4 | 111606015 | 1 | - | - |
| 50 | CM5 | 111209001 | 1 | 122004312 | 1 |

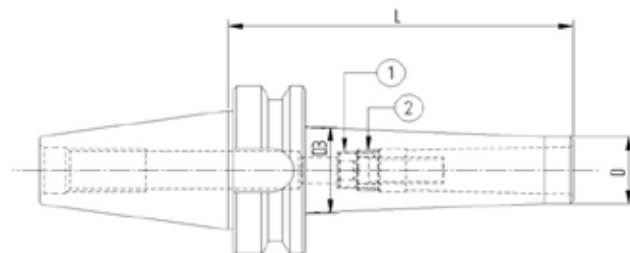
**VITI FORNITE
 SOLO NEL CASO
 DI MANDRINO
 COMBINATO**



| Codice | ISO | Descrizione | L | D |
|----------|-----|-------------------------------|-----|----|
| 340MF101 | 40 | ISO40 MAS403BT H50 CM1 FRESE | 50 | 25 |
| 340MF102 | 40 | ISO40 MAS403BT H50 CM2 FRESE | 50 | 32 |
| 340MF103 | 40 | ISO40 MAS403BT H75 CM3 FRESE | 75 | 40 |
| 340MF104 | 40 | ISO40 MAS403BT H95 CM4 FRESE | 95 | 48 |
| 350MF101 | 50 | ISO50 MAS403BT H50 CM1 FRESE | 50 | 25 |
| 350MF102 | 50 | ISO50 MAS403BT H50 CM2 FRESE | 50 | 32 |
| 350MF103 | 50 | ISO50 MAS403BT H65 CM3 FRESE | 65 | 40 |
| 350MF104 | 50 | ISO50 MAS403BT H95 CM4 FRESE | 95 | 48 |
| 350MF105 | 50 | ISO50 MAS403BT H120 CM5 FRESE | 120 | 63 |



COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| ISO | MORSE | Vite | Q.tà | Ghiera | Q.tà |
|-----|-------|---|------|---|------|
| | |  | |  | |
| | | 1 | | 2 | |
| 40 | 1 | 110603501 | 1 | 121206502 | 1 |
| 40 | 2 | 111003014 | 1 | 121500802 | 1 |
| 40 | 3 | 111204003 | 1 | 122000903 | 1 |
| 40 | 4 | 111604514 | 1 | 122400903 | 1 |
| 50 | 1 | 110603501 | 1 | 121206502 | 1 |
| 50 | 2 | 111003014 | 1 | 121500802 | 1 |
| 50 | 3 | 111203003 | 1 | 122000903 | 1 |
| 50 | 4 | 111604514 | 1 | 122400903 | 1 |
| 50 | 5 | 112005003 | 1 | 123601104 | 1 |



| Codice | ISO | Descrizione | L | D | D3 |
|----------|-----|-------------------------------|-----|----|----|
| 340MF201 | 40 | ISO40 MAS403BT H120 CM1 FRESE | 120 | 18 | 25 |
| 340MF202 | 40 | ISO40 MAS403BT H120 CM2 FRESE | 120 | 25 | 32 |
| 340MF203 | 40 | ISO40 MAS403BT H135 CM3 FRESE | 135 | 33 | 40 |
| 340MF204 | 40 | ISO40 MAS403BT H165 CM4 FRESE | 165 | 40 | 48 |
| 350MF201 | 50 | ISO50 MAS403BT H185 CM1 FRESE | 185 | 18 | 25 |
| 350MF202 | 50 | ISO50 MAS403BT H185 CM2 FRESE | 185 | 25 | 32 |
| 350MF203 | 50 | ISO50 MAS403BT H185 CM3 FRESE | 185 | 33 | 40 |
| 350MF204 | 50 | ISO50 MAS403BT H185 CM4 FRESE | 185 | 40 | 48 |
| 350MF205 | 50 | ISO50 MAS403BT H200 CM5 FRESE | 200 | 55 | 63 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

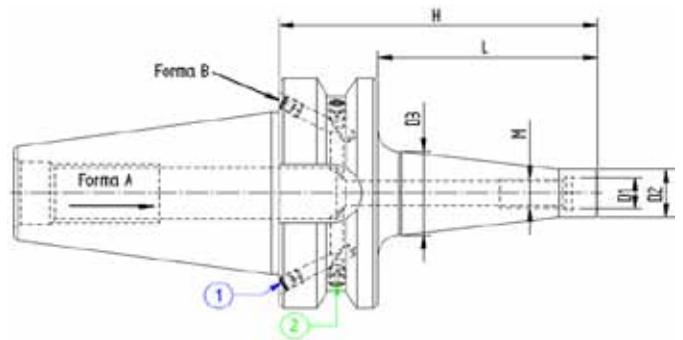
| ISO | MORSE | Vite | Q.tà | Ghiera | Q.tà |
|-----|-------|---|------|---|------|
| | |  | |  | |
| | | 1 | | 2 | |
| 40 | 1 | 110603501 | 1 | 121206502 | 1 |
| 40 | 2 | 111003014 | 1 | 121500802 | 1 |
| 40 | 3 | 111204003 | 1 | 122000903 | 1 |
| 40 | 4 | 111604515 | 1 | 122400903 | 1 |
| 50 | 1 | 110603501 | 1 | 121206502 | 1 |
| 50 | 2 | 111003014 | 1 | 121500802 | 1 |
| 50 | 3 | 111204003 | 1 | 122000903 | 1 |
| 50 | 4 | 111604514 | 1 | 122400903 | 1 |
| 50 | 5 | 112005503 | 1 | 123601104 | 1 |



MANDRINI PER FRESE CON ATTACCO FILETTATO
MILLING CUTTER ARBORS FOR SCREW-ON TYPE MILLING CUTTER
MANDRINS POUR FRAISER A VISSER
SPANFUTTER FUER EIN SCHRAUBFRAESER



JIS-B 6339 .M.1S 403/BT .AD/B



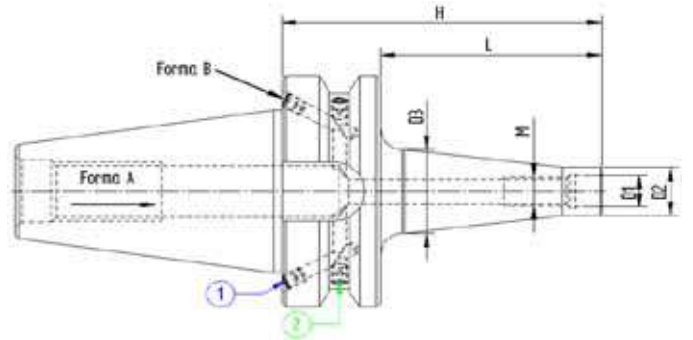
| Codice | ISO | Descrizione | H | L | D3 | M | D1 | D2 | G2.5 20000 |
|----------|-----|--------------------------------------|-----|-----|------|----|------|----|------------|
| 340AF106 | 40 | ISO40 MAS403BT P/F ATT.FILET. M6x63 | 63 | 36 | 13 | 6 | 6,5 | 10 | ● |
| 340AF108 | 40 | ISO40 MAS403BT P/F ATT.FILET. M8x63 | 63 | 36 | 15 | 8 | 8,5 | 13 | ● |
| 340AF110 | 40 | ISO40 MAS403BT P/F ATT.FILET.M10x63 | 63 | 36 | 19.5 | 10 | 11 | 18 | ● |
| 340AF112 | 40 | ISO40 MAS403BT P/F ATT.FILET.M12x63 | 63 | 36 | 24 | 12 | 13 | 21 | ● |
| 340AF116 | 40 | ISO40 MAS403BT P/F ATT.FILET.M16x63 | 63 | 36 | 34 | 16 | 17.5 | 29 | ● |
| 340AF206 | 40 | ISO40 MAS403BT P/F ATT.FILET. M6x83 | 83 | 56 | 20 | 6 | 7 | 10 | ● |
| 340AF208 | 40 | ISO40 MAS403BT P/F ATT.FILET. M8x83 | 83 | 56 | 23 | 8 | 9 | 13 | ● |
| 340AF210 | 40 | ISO40 MAS403BT P/F ATT.FILET.M10x83 | 83 | 56 | 25 | 10 | 11 | 18 | ● |
| 340AF212 | 40 | ISO40 MAS403BT P/F ATT.FILET.M12x83 | 83 | 56 | 24 | 12 | 13 | 21 | ● |
| 340AF216 | 40 | ISO40 MAS403BT P/F ATT.FILET.M16x83 | 83 | 56 | 34 | 16 | 17.5 | 29 | ● |
| 340AF308 | 40 | ISO40 MAS403BT P/F ATT.FILET. M8x103 | 103 | 76 | 23 | 8 | 9 | 13 | ● |
| 340AF310 | 40 | ISO40 MAS403BT P/F ATT.FILET.M10x103 | 103 | 76 | 28 | 10 | 11 | 18 | ● |
| 340AF312 | 40 | ISO40 MAS403BT P/F ATT.FILET.M12x103 | 103 | 76 | 31 | 12 | 13 | 21 | ● |
| 340AF316 | 40 | ISO40 MAS403BT P/F ATT.FILET.M16x103 | 103 | 76 | 34 | 16 | 17.5 | 29 | ● |
| 340AF410 | 40 | ISO40 MAS403BT P/F ATT.FILET.M10x123 | 123 | 96 | 28 | 10 | 10.5 | 18 | ● |
| 340AF412 | 40 | ISO40 MAS403BT P/F ATT.FILET.M12x123 | 123 | 96 | 31 | 12 | 12.5 | 21 | ● |
| 340AF416 | 40 | ISO40 MAS403BT P/F ATT.FILET.M16x123 | 123 | 96 | 39 | 16 | 17.5 | 29 | ● |
| 340AF516 | 40 | ISO40 MAS403BT P/F ATT.FILET.M16x153 | 153 | 126 | 39 | 16 | 17.5 | 29 | ● |



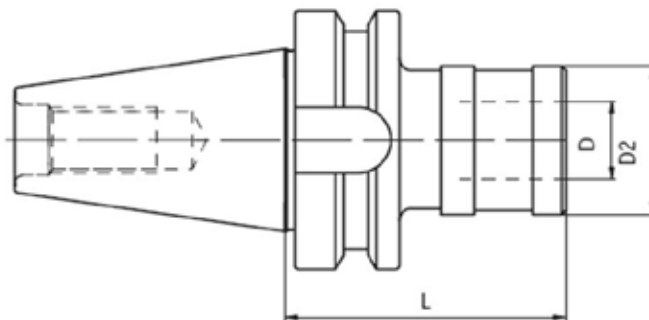
MANDRINI PER FRESE CON ATTACCO FILETTATO
 MILLING CUTTER ARBORS FOR SCREW-ON TYPE MILLING CUTTER
 MANDRINS POUR FRAISER A VISSER
 SPANFUTTER FUER EIN SCHRAUBFRAESER



JIS-B 6339 .M.1S 403/BT .AD/B



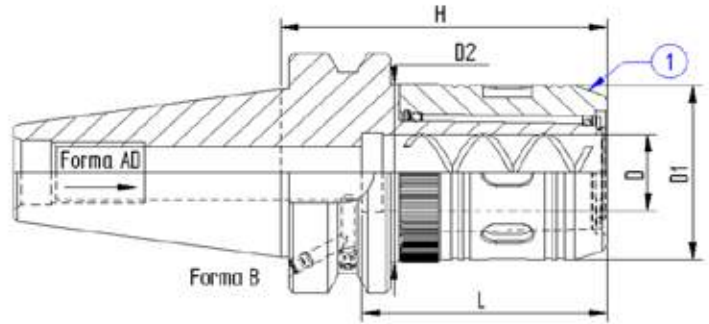
| Codice | ISO | Descrizione | H | L | D3 | M | D1 | D2 | G2.5 20000 |
|----------|-----|--------------------------------------|-----|-----|----|----|------|----|------------|
| 350AF112 | 50 | ISO50 MAS403BT P/F ATT.FILET.M12x64 | 64 | 26 | 24 | 12 | 12.5 | 21 | ● |
| 350AF116 | 50 | ISO50 MAS403BT P/F ATT.FILET.M16x64 | 64 | 26 | 34 | 16 | 17 | 29 | ● |
| 350AF212 | 50 | ISO50 MAS403BT P/F ATT.FILET.M12x104 | 104 | 66 | 32 | 12 | 12.5 | 21 | ● |
| 350AF216 | 50 | ISO50 MAS403BT P/F ATT.FILET.M16x104 | 104 | 66 | 36 | 16 | 17 | 29 | ● |
| 350AF312 | 50 | ISO50 MAS403BT P/F ATT.FILET.M12x154 | 154 | 116 | 32 | 12 | 12.5 | 21 | ● |
| 350AF316 | 50 | ISO50 MAS403BT P/F ATT.FILET.M16X154 | 154 | 116 | 40 | 16 | 17 | 29 | ● |
| 350AF412 | 50 | ISO50 MAS403BT P/F ATT.FILET.M12X204 | 204 | 166 | 36 | 12 | 12.5 | 21 | ● |
| 350AF416 | 50 | ISO50 MAS403BT P/F ATT.FILET.M16x204 | 204 | 166 | 42 | 16 | 17 | 29 | ● |
| 350AF512 | 50 | ISO50 MAS403BT P/F ATT.FILET.M12x254 | 254 | 216 | 42 | 12 | 12.5 | 21 | ● |
| 350AF516 | 50 | ISO50 MAS403BT P/F ATT.FILET.M16x254 | 254 | 216 | 44 | 16 | 17 | 29 | ● |



| Codice | ISO | Descrizione | L | D | D2 |
|----------|-----|---------------------------------------|-----|----|----|
| 340PCRM1 | 40 | ISO40 MAS403BT M/PORTAM/C/R L67 GR.1 | 67 | 19 | 38 |
| 340PCRM2 | 40 | ISO40 MAS403BT M/PORTAM/C/R L93 GR.2 | 93 | 31 | 53 |
| 350PCRM1 | 50 | ISO50 MAS403BT M/PORTAM/C/R L80 GR.1 | 80 | 19 | 38 |
| 350PCRM2 | 50 | ISO50 MAS403BT M/PORTAM/C/R L102 GR.2 | 102 | 31 | 53 |

ACCESSORI - ACCESSORIES - ACCESSOIRES - ZUBEHÖR





| Codice | ISO | Descrizione | H | L | D | D1 | D2 | G.6.3 12000 |
|----------|-----|----------------------------------|-----|----|----|----|----|-------------|
| 340FS120 | 40 | ISO40 MAS403BT F. SERR. Ø20 H80 | 80 | 60 | 20 | 46 | 47 | ● |
| 340FS132 | 40 | ISO40 MAS403BT F. SERR. Ø32 H85 | 85 | 80 | 32 | 62 | 63 | ● |
| 340FS332 | 40 | ISO40 MAS403BT F. SERR. Ø32 H135 | 135 | 80 | 32 | 62 | 63 | ● |

| Codice | ISO | Descrizione | H | L | D | D1 | D2 | G.6.3 12000 |
|----------|-----|----------------------------------|-----|----|----|----|----|-------------|
| 350FS220 | 50 | ISO50 MAS403BT F. SERR. Ø20 H100 | 100 | 60 | 20 | 46 | 47 | ● |
| 350FS232 | 50 | ISO50 MAS403BT F. SERR. Ø32 H100 | 100 | 80 | 32 | 62 | 63 | ● |
| 350FS332 | 50 | ISO50 MAS403BT F. SERR. Ø32 H135 | 135 | 80 | 32 | 62 | 63 | ● |

ACCESSORI - ACCESSORIES - ACCESSOIRES - ZUBEHÖR



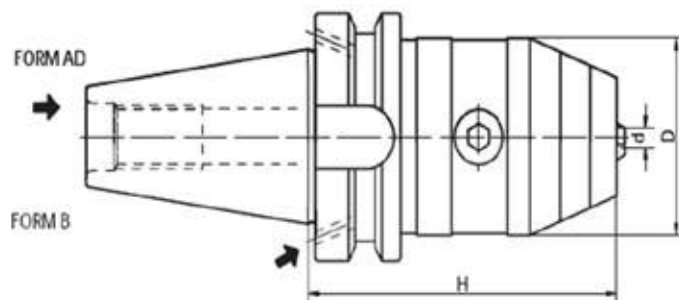
RIF. PAGINA **315**



PORTAPUNTE INTEGRALI PER ROTAZIONE DX E SX
 NC DRILL CHUCK FOR LEFT AND RIGHT ROTATION
 MANDRIN DE PERCAGE CNC POUR ROTATION GAUCHE-DROITE
 NC-BOHRFUTTER FUER RECHTS-UND LINKSLAUF

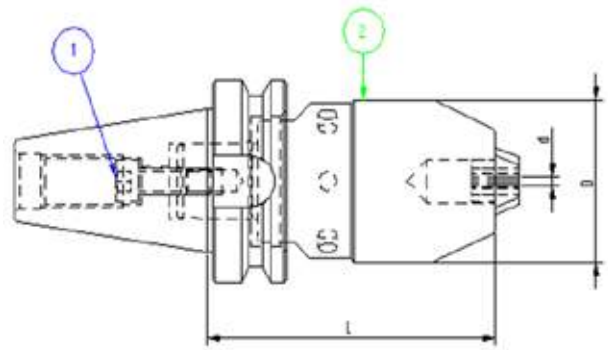


JIS-B 6339 .M.AS 403/BT .AD/B



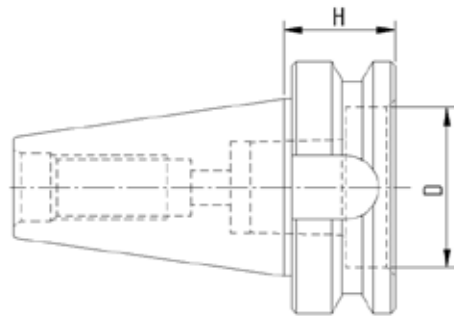
CON REFRIGERANTE CENTRALE - WITH INTERNAL COOLANT SUPPLY - AVEC ARROSAGE INTERNE - MIT ZENTRALEM KUHLMITTELLOCH

| Codice | ISO | Descrizione | H | D | d |
|----------|-----|---------------------------------------|-----|----|------|
| 340MAZ13 | 40 | ISO40 MAS403BT M/AUTOS./FORI H98 D13 | 98 | 50 | 1-13 |
| 340MAZ16 | 40 | ISO40 MAS403BT M/AUTOS./FORI H104 D16 | 104 | 50 | 3-16 |
| Codice | ISO | Descrizione | H | D | d |
| 350MAZ13 | 50 | ISO50 MAS403BT M/AUTOS./FORI H90 D13 | 90 | 50 | 1-13 |
| 350MAZ16 | 50 | ISO50 MAS403BT M/AUTOS./FORI H95 D16 | 95 | 50 | 3-16 |





| Codice | ISO | Descrizione | L | D | d |
|----------|-----|--------------------------------------|-----|----|------|
| 340MPI13 | 40 | ISO40 MAS403BT P/PUNTA INT.H98 DC13 | 98 | 50 | 1-13 |
| 340MPI16 | 40 | ISO40 MAS403BT P/PUNTA INT.H98 DC16 | 98 | 57 | 1-16 |
| 350MPI13 | 50 | ISO50 MAS403BT P/PUNTA INT.H109 DC13 | 109 | 50 | 1-13 |
| 350MPI16 | 50 | ISO50 MAS403BT P/PUNTA INT.H109 DC16 | 109 | 57 | 1-16 |

MANDRINI DI RICAMBIO - REPLACEMENT DRILL CHUCK HEADS - MANDRINS DE RECHANGE - ERSATZTEILE BOHRFÜTTER



| Codice | ISO | Descrizione | H | D |
|----------|-----|-----------------------------------|----|----|
| 340CPI13 | 40 | ISO40 MAS403BT SOLO MANDRINO 1-13 | 27 | 40 |
| 340CPI16 | 40 | ISO40 MAS403BT SOLO MANDRINO 3-16 | 27 | 45 |
| 350CPI13 | 50 | ISO50 MAS403BT SOLO MANDRINO 1-13 | 38 | 40 |
| 350CPI16 | 50 | ISO50 MAS403BT SOLO MANDRINO 3-16 | 38 | 45 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Codice | Mandrino | Q.tà | Vite | Q.tà |
|----------|---|------|---|------|
| |  | |  | |
| 340MPI13 | 913INS01 | 1 | 110802501 | 1 |
| 340MPI16 | 916INS01 | 1 | 110802501 | 1 |
| 350MPI13 | 913INS01 | 1 | 110803501 | 1 |
| 350MPI16 | 916INS01 | 1 | 110803501 | 1 |

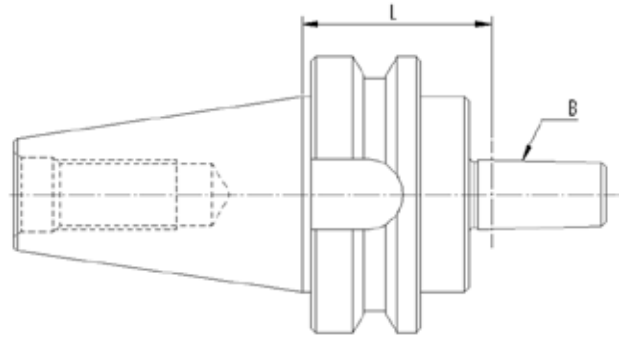


ATTACCO PER MANDRINI PORTAPUNTE
ARBORS FOR DRILL CHUCKS
ARBRES POUR MANDRINS DE PERÇAGE
BOHRFUTTERAUFNAHMEN



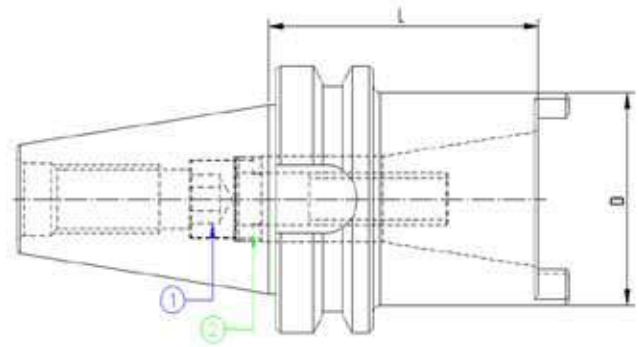
JIS-B 6339.M.AS 403/BT.A

DIN 238



| Codice | ISO | Descrizione | L | B |
|---------------|------------|---------------------------------|----------|----------|
| 340MPP12 | 40 | ISO40 MAS403BT P/PUNTE H.45 B12 | 45 | 12 |
| 340MPP16 | 40 | ISO40 MAS403BT P/PUNTE H.45 B16 | 45 | 16 |
| 340MPP18 | 40 | ISO40 MAS403BT P/PUNTE H.45 B18 | 45 | 18 |




| Codice | ISO | Descrizione | L | B |
|---------------|------------|---------------------------------|----------|----------|
| 350MPP12 | 50 | ISO50 MAS403BT P/PUNTE H.45 B12 | 45 | 12 |
| 350MPP16 | 50 | ISO50 MAS403BT P/PUNTE H.45 B16 | 45 | 16 |
| 350MPP18 | 50 | ISO50 MAS403BT P/PUNTE H.45 B18 | 45 | 18 |



| Codice | ISO | Descrizione | L | D |
|----------|-----|-------------------------------------|-----|----|
| 340ISO30 | 40 | ISO40 MAS403BT RIDUZIONE H70 ISO30 | 70 | 50 |
| 340ISO40 | 40 | ISO40 MAS403BT RIDUZIONE H100 ISO40 | 100 | 68 |

| Codice | ISO | Descrizione | L | D |
|----------|-----|------------------------------------|-----|-----|
| 350ISO40 | 50 | ISO50 MAS403BT RIDUZIONE H70 ISO40 | 70 | 78 |
| 350ISO50 | 50 | ISO50 MAS403BT PROLUNGA H120 ISO50 | 120 | 100 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

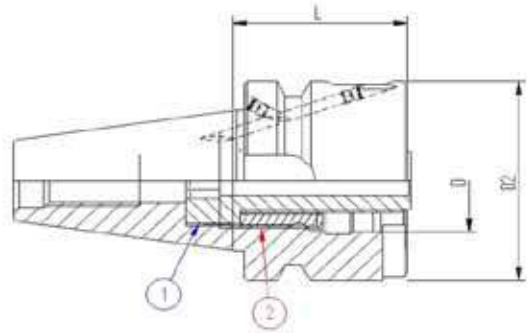
| ISO | Vite per TC-BT | Q.tà | Vite per DIN2080 | Q.tà | Ghiera | Q.tà |
|-------|---|------|---|------|---|------|
| |  | |  | |  | |
| | 1 | | 1 | | 2 | |
| 40-30 | 111205501 | 1 | 111203001 | 1 | 122000603 | 1 |
| 40-40 | 111606514 | 1 | 111604514 | 1 | 122400903 | 1 |
| 50-40 | 111606514 | 1 | 111604514 | 1 | 122400903 | 1 |
| 50-50 | 112409004 | 1 | 112406004 | 1 | 124020002 | 1 |



ATTACCHI BASE MODULARI "VARILOCK"
 MODULAR BASIC HOLDERS "VARILOCK"
 MODULE DE BASE "VARILOCK"
 GRUNDAUFNAHMEN "VARILOCK"





JIS-B 6339 M.AS 403/BT .AD/B





| Codice | ISO | Descrizione | L | D2 |
|----------|-----|-----------------------------------|----|----|
| 340VL050 | 40 | ISO40 MAS403BT MODULARE H.27 D.50 | 27 | 50 |
| 340VL063 | 40 | ISO40 MAS403BT MODULARE H.35 D.63 | 35 | 63 |
| 340VL150 | 40 | ISO40 MAS403BT MODULARE H.50 D.50 | 50 | 50 |
| 340VL163 | 40 | ISO40 MAS403BT MODULARE H.50 D.63 | 50 | 63 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| Ø | Vite | Q.tà | Boccola | Q.tà |
|----|---|------|---|------|
| |  | |  | |
| | 1 | | 2 | |
| 50 | 111604011 | 1 | 122502007 | 1 |
| 63 | 112005011 | 1 | 123002408 | 1 |

| Codice | ISO | Descrizione | L | D2 |
|----------|-----|-----------------------------------|----|----|
| 350VL050 | 50 | ISO50 MAS403BT MODULARE H.38 D.50 | 38 | - |
| 350VL150 | 50 | ISO50 MAS403BT MODULARE H.50 D.50 | 50 | 50 |
| 350VL163 | 50 | ISO50 MAS403BT MODULARE H.50 D.63 | 50 | 63 |
| 350VL180 | 50 | ISO50 MAS403BT MODULARE H.50 D.80 | 50 | 80 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

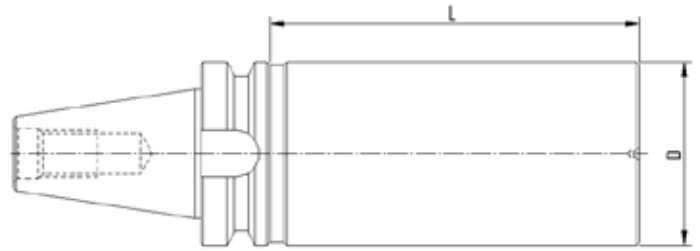
| Ø | Vite | Q.tà | Boccola | Q.tà |
|----|---|------|---|------|
| |  | |  | |
| | 1 | | 2 | |
| 50 | 111604011 | 1 | 122502007 | 1 |
| 63 | 112005012 | 1 | 123002408 | 1 |
| 80 | 112005012 | 1 | 123002408 | 1 |



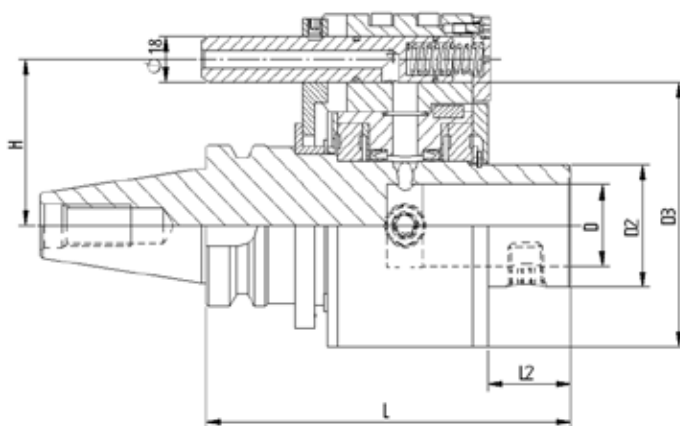
MANDRINI SEMILAVORATI A STELO TENERO
 BLANK TOOLHOLDER WITH SOFT SHANK
 BARRES D'ALEPAGE SEMI-FINIES
 ROHLINGE MIT WEICHEM SCHAFT



JIS-B 6339.MAS 403/BT.A



| Codice | ISO | Descrizione | L | D |
|---------------|------------|-----------------------------------|----------|----------|
| 340ST263 | 40 | ISO40 MAS403BT ST.TENERO D.63x250 | 250 | 63 |
| 350ST397 | 50 | ISO50 MAS403BT ST.TENERO D.97X315 | 315 | 97 |



| Codice | ISO | Descrizione | H | L | L2 | D | D2 | D3 |
|----------|-----|-------------------------------------|----|-----|----|----|----|-----|
| 340DRC32 | 40 | ISO40 MAS403BT DISTRIB.ROTANTE D.32 | 65 | 150 | 34 | 32 | 48 | 95 |
| 340DRC40 | 40 | ISO40 MAS403BT DISTRIB.ROTANTE D.40 | 65 | 160 | 44 | 40 | 58 | 110 |

| Codice | ISO | Descrizione | H | L | L2 | D | D2 | D3 |
|----------|-----|------------------------------------|----|-----|----|----|----|-----|
| 350DRC40 | 50 | ISO50 MAS403BT DISTRIB.ROTANTE D40 | 80 | 164 | 49 | 40 | 58 | 110 |

COMPONENTI - SPARE PARTS - PIECES DETACHEES - ERSATZTEILE

| D | Grano | Q.tà |
|---|-------|------|
|---|-------|------|



| | | |
|----|-----------|---|
| 32 | 101416154 | 1 |
| 40 | 101601004 | 2 |



FIG. 1

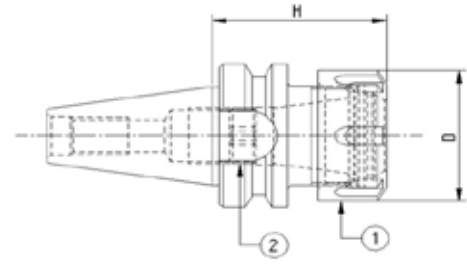
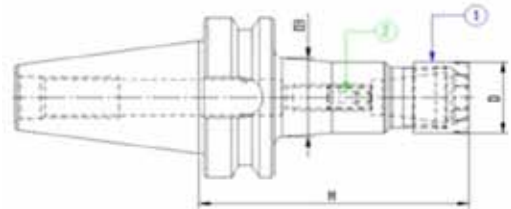


FIG. 2



| Codice | ISO | Descrizione Portapinza | FIG. | H | D | ER | G6.3 12000 |
|----------|-----|-----------------------------------|------|----|----|----|------------|
| 330PP110 | 30 | ISO30 MAS403BT P/P H.60 ER16 - AD | 1 | 60 | 32 | 16 | ● |
| 330PP113 | 30 | ISO30 MAS403BT P/P H.60 ER20 - AD | 1 | 60 | 35 | 20 | ● |
| 330PP116 | 30 | ISO30 MAS403BT P/P H.60 ER25 - AD | 1 | 60 | 42 | 25 | ● |
| 330PP120 | 30 | ISO30 MAS403BT P/P H.60 ER32 - AD | 1 | 60 | 50 | 32 | ● |

| Codice | ISO | Descrizione | FIG. | H | D3 | D | G6.3 12000 |
|----------|-----|---------------------------------------|------|-----|----|----|------------|
| 330PM107 | 30 | ISO30 MAS403BT P/P H70 ER11MINI - AD | 2 | 70 | 19 | 16 | ● |
| 330PM210 | 30 | ISO30 MAS403BT P/P H100 ER16MINI - AD | 2 | 100 | 20 | 22 | ● |

Possibilità di realizzare altri mandrini ISO30 su richiesta



FIG. 1

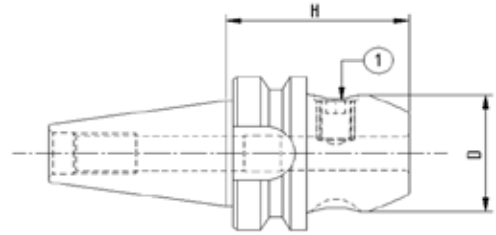
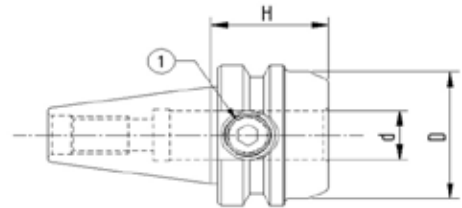


FIG. 2



| Codice | ISO | Descrizione | FIG. | H | d | D | G6.3 12000 |
|----------|-----|-------------------------------------|------|----|----|----|------------|
| 330WLD06 | 30 | ISO30 MAS403BT WELDON H50 D.06 - AD | 1 | 50 | 6 | 25 | ● |
| 330WLD08 | 30 | ISO30 MAS403BT WELDON H50 D.08 - AD | 1 | 50 | 8 | 28 | ● |
| 330WLD10 | 30 | ISO30 MAS403BT WELDON H50 D.10 - AD | 1 | 50 | 10 | 35 | ● |
| 330WLD12 | 30 | ISO30 MAS403BT WELDON H55 D.12 - AD | 1 | 55 | 12 | 42 | ● |
| 330WLD16 | 30 | ISO30 MAS403BT WELDON H63 D.16 - AD | 1 | 63 | 16 | 48 | ● |
| 330WLD20 | 30 | ISO30 MAS403BT WELDON H70 D.20 - AD | 1 | 70 | 20 | 52 | ● |

| Codice | ISO | Descrizione | FIG. | H | d | D |
|----------|-----|-------------------------------------|------|----|----|------|
| 330WLC06 | 30 | ISO30 MAS403BT WELDON H35 D.6 - AD | 2 | 35 | 6 | 25 |
| 330WLC08 | 30 | ISO30 MAS403BT WELDON H35 D.8 - AD | 2 | 35 | 8 | 28 |
| 330WLC10 | 30 | ISO30 MAS403BT WELDON H35 D.10 - AD | 2 | 35 | 10 | 35 |
| 330WLC12 | 30 | ISO30 MAS403BT WELDON H35 D.12 - AD | 2 | 35 | 12 | 42 |
| 330WLC16 | 30 | ISO30 MAS403BT WELDON H35 D.16 - AD | 2 | 35 | 16 | 42 |
| 330WLC20 | 30 | ISO30 MAS403BT WELDON H35 D.20 - AD | 2 | 35 | 20 | 43 |
| 330WLC25 | 30 | ISO30 MAS403BT WELDON H35 D.25 - AD | 2 | 35 | 25 | 45.5 |

Possibilità di realizzare altri mandrini ISO30 su richiesta



FIG. 1

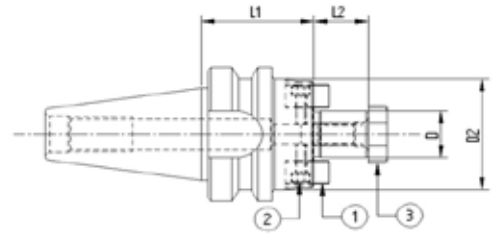
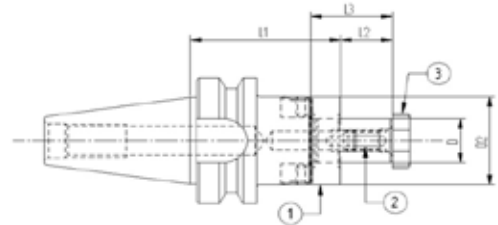


FIG. 2



| Codice | ISO | Descrizione | FIG. | L1 | L2 | D | D2 | D3 |
|----------|-----|--|------|----|----|----|----|----|
| 330PF116 | 30 | ISO30 MAS403BT P/F FISSO H35 D.16 - AD | 1 | 35 | 17 | 16 | 38 | - |
| 330PF122 | 30 | ISO30 MAS403BT P/F FISSO H40 D.22 - AD | 1 | 40 | 19 | 22 | 48 | - |
| 330PF127 | 30 | ISO30 MAS403BT P/F FISSO H40 D.27 - AD | 1 | 40 | 21 | 27 | 58 | - |

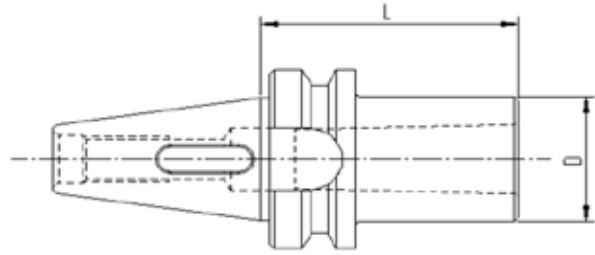
| Codice | ISO | Descrizione | FIG. | L1 | L2 | L3 | D | D2 |
|----------|-----|--|------|----|----|----|----|----|
| 330PU116 | 30 | ISO30 MAS403BT P/F UNIVERS.H50 D.16 - AD | 2 | 50 | 17 | 27 | 16 | 32 |
| 330PU122 | 30 | ISO30 MAS403BT P/F UNIVERS.H50 D.22 - AD | 2 | 50 | 19 | 31 | 22 | 40 |
| 330PU127 | 30 | ISO30 MAS403BT P/F UNIVERS.H55 D.27 - AD | 2 | 55 | 21 | 33 | 27 | 48 |

Possibilità di realizzare altri mandrini ISO30 su richiesta


Mandrini ISO30 ATTACCO CONOMORSE PER PUNTE
 Spindle taper ISO30 MORSE TAPER ADAPTOR FOR DRILL
 Mandrins ISO30 DOUILLES POUR CONE MORSE A TENON
 ZWISCHENHULSEN FUER MORSEKEGEL MIT AUSTREIBLAPPEN



MAS403 BT ISO30



| Codice | ISO | Descrizione | FORMA | L | D |
|---------------|------------|------------------------------|--------------|----------|----------|
| 330MP101 | 30 | ISO30 MAS403BT H50 CM1 PUNTE | AD | 50 | 25 |
| 330MP102 | 30 | ISO30 MAS403BT H60 CM2 PUNTE | AD | 60 | 32 |
| 330MP103 | 30 | ISO30 MAS403BT H79 CM3 PUNTE | AD | 79 | 40 |

Possibilità di realizzare altri mandrini ISO30 su richiesta