1 Spannzangen / Spannhülsen

1.3 Wibemo - Honenhülsen
1.4 Wibemo - Extenso Schnabelzangen
1.6 Wibemo - Croco Zangen
1.10 Wibemo - CuBe Zangen
1.11 Wibemo - Phenol Zangen
1.12 Sonderzangen
1.18 Wibemo - Wifex Zangen
1.22 Transportarm Zangen
1.25 HM Spannzangen
1.27 Rego-Fix Spannzangen
1.39 Zangen für Tornos Mehrspindler
1.44 Schaublin Programm
1.89 Tecnopinz Zangen
1.97 PCM Zangen
1.103 Druckhülsen

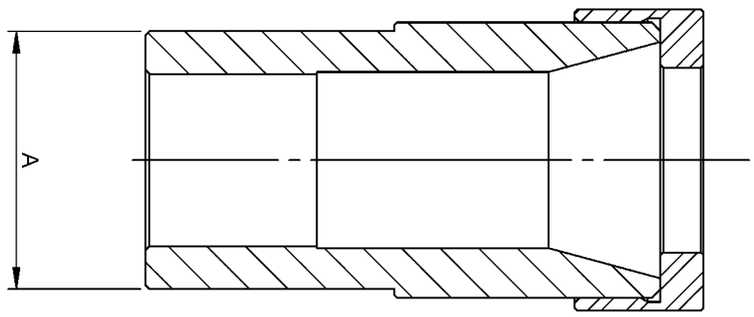


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Wibemo - Honenhülsen

Honenhülsen





- Mit Hilfe dieser Hüsle besteht die Möglichkeit Ihre Zangen nach zu schleifen oder zu reparieren.

Honenhülsen aus rostfreiem Stahl mit Mutter für F-Typ Zangen

Artikel Nr	Typ	EU Norm	A
150124	F8/577	101E	22.00
150125	F10/86	109E	22.00
150126	F13/357	116E	22.00
150127	F15/580	120E	22.00
150133	F16/1076	1212E	22.00
150130	F20/87	138E	30.00
150129	F20/201	136E	30.00
150131	F22/71	140E	35.00
150132	F25/64	145E	35.00
150776	F37/740	1536E	45.00

Wibemo - Extenso Schnabelzangen

HM Extenso Schnabelzangen

A product of

WIBEMO
OUTILLAGE DE PRÉCISION

Vorteile :

- Sehr schnelle Verfügbarkeit
- Hohe Lebensdauer und geringer Verschleiss Ihrer Zange durch Hartmetall

Spezialwerkzeuge

- Sonderanfertigung nach Plan
- Ausführung von schmalen Schlitzen für kleinen Teiledurchmesser
- Läppen und Hochglanzpolitur auf Anfrage
- Verfügbar mit oder ohne Extraktor
- UP+
- Für weiterer Fragen stehen wir gerne zur Verfügung.



Eine effiziente Lösung für optimales Spannen ohne Spannabdruck auf Ihren Teilen.

- Garantiert vorsichtiges, perfektes Fassen Ihres Teils
- Reduziert die Spannabdrücke und Verletzungen Ihrer Teile
- Haftet nicht an, erleichtert die beschädigungsfreie Entnahme
- Reduziert Ihre Produktionskosten

Für die perfekte Beherrschung der Fertigung Ihrer Hochpräzisionsteile, etwa Komponenten für die Uhrenindustrie oder medizine Anwendungen aus Edelstahl 316L oder Titan. Unersetzlich für Teile mit sehr hohem Mehrwert sowie alle Fälle, in denen Ihre Qualitätsansprüche und das tadellose optische Erscheinungsbild eine wesentliche Rolle spielen. Die Eigenschaften des Hartmetalls verhindern Verletzungen Ihrer Teile und Reduzieren die Risiken einer Verletzung empfindlicher Oberflächen während des Fassens oder Auswerfens des Teils.
Durch die UP-Qualität (UP wie "Ultra-Präzision") ermöglichen die EXTENSO-Zangen das präzise und vorsichtige Fassen von Teilen auf der Gegenspindel. Sie bieten eine hohe Lebensdauer, erfordern weniger Eingriffe und seltenere Einstellungen und reduzieren den Ausstoss um ein Vielfaches. Sie sind ein wesentlicher Faktor für die Reduzierung Ihrer Herstellungskosten und unterstützen ein hohes Produktivitätsniveau.

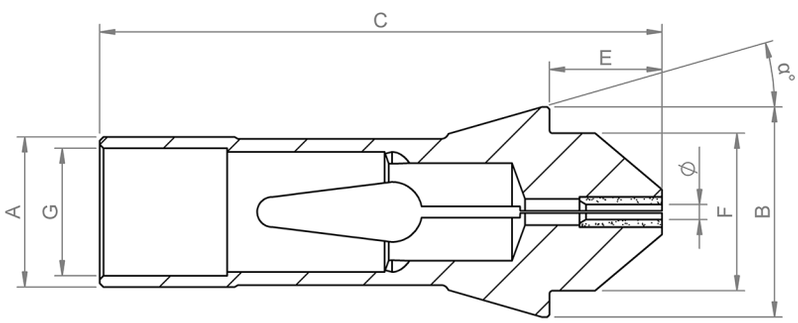
- UP-Präzision für ein Fassen, das dem Spanndurchmesser optimal angepasst ist.
- Ultra-präzises Spannen für die Gewährleistung der perfekten Stabilität des Teils.

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Wibemo - Extenso Schnabelzangen

HM Extenso Schnabelzangen - Technische Informationen





Artikel Nr	Typ	EU Norm	A	B	C	E	F	G	α°
HM Extenso									
300-577-10-Ø	F8/577 (LN10)	101E	8.00	12.00	47.50	10.00	8.00	M6x0.50	16°
300-86-10-Ø	F10/86 (LN10)	109E	10.00	15.50	52.00	10.00	10.00	M8x0.50	20°
300-86-12-Ø	F10/86 (LN12)	109E	10.00	15.50	54.00	12.00	10.00	M8x0.50	20°
300-357-12-Ø	F13/357 (LN12)	116E	13.00	19.00	70.00	12.00	13.00	M11x0.75	16°
300-580-13-Ø	F15/580 (LN13)	120E	15.00	21.00	71.00	13.00	15.00	M12x0.75	16°
300-580-18-Ø	F15/580 (LN18)	120E	15.00	21.00	76.00	18.00	15.00	M12x0.75	16°
300-1076-13-Ø	F16/1076 (LN13)	1212E	16.00	21.00	71.00	13.00	16.00	M14x0.75	16°
300-87-15-Ø	F20/87 (LN15)	138E	20.00	28.00	75.00	15.00	21.00	M18x1	16°
300-87-20-Ø	F20/87 (LN20)	138E	20.00	28.00	80.00	20.00	21.00	M18x1	16°
300-201-13-Ø	F20/201 (LN13)	136E	20.00	26.00	62.00	13.00	19.00	M18x1	15°
300-71-18-Ø	F22/71 (LN18)	140E	22.00	30.00	67.00	18.00	21.00	M20x1	15°
300-64-18-Ø	F25/64 (LN18)	145E	25.00	35.00	85.00	18.00	27.00	M22x1	16°
300-101-20-Ø	F30/101 (LN20)	1446E	30.00	38.00	79.00	20.00	32.00	-	15°
300-94-27-Ø	F35/94 (LN27)	163E	35.00	43.00	90.00	27.00	34.00	-	15°
300-740-25-Ø	F37/740 (LN25)	1536E	37.00	47.00	107.00	25.00	40.00	-	16°

Wibemo - Croco Zangen

Stahl Croco

A product of

WIBEMO
OUTILLAGE DE PRÉCISION



Vorteile :

- Spannbereich bis 0.2 mm
- Hochpräzision im gesamten Spannbereich
- Unterstützt Ø-Schwankungen der Stange
- Ermöglicht das Spannen von Sechskantprofilen, Quadratprofilen, Gewinden, etc. ohne Positionierung
- Verhindert Spannabdrücke auf der Stange oder dem Teil
- Hohe gleichmässige Spannkraft
- Verhindert das Eindringen von Spänen in die Durchbohrung
- Ideal für das Spannen von medizischen Schrauben, konstantes Andrücken an das Gewinde selbst bei Schwankung des Toleranzbereichs.

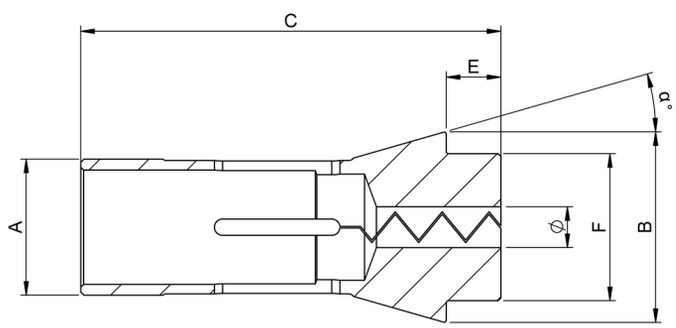
- HM - Ausführung auf Anfrage.

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Wibemo - Croco Zangen

Stahl Croco - Technische Informationen





WIBEMO
OUTILLAGE DE PRÉCISION

Artikel Nr	Typ	EU Norm	A	B	C	E	F	α°
Stahl Croco								
600-577-Ø	F8/577	101E	8.00	12.00	42.00	4.50	8.00	16°
600-86-Ø	F10/86	109E	10.00	15.50	47.50	5.50	10.00	20°
600-78-Ø	F12/78	1155E	12.00	18.10	44.50	4.30	12.00	15°
600-357-Ø	F13/357	116E	13.00	19.00	64.00	6.00	13.00	16°
600-98-Ø	F14/98	117E	14.00	18.00	46.00	4.00	14.00	13°
600-358-Ø	F15/358	121E	15.00	22.00	47.00	5.00	15.00	20°
600-580-Ø	F15/580	120E	15.00	21.00	64.00	6.00	15.00	16°
600-104-Ø	F16/104	123E	16.00	22.00	55.00	5.00	16.00	15°
600-830-Ø	F16/830		16.00	21.00	66.00	8.00	16.00	16°
600-1076-Ø	F16/1076	1212E	16.00	21.00	64.00	6.00	16.00	16°
600-87-Ø	F20/87	138E	20.00	28.00	67.00	7.00	21.00	16°
600-201-Ø	F20/201	136E	20.00	26.00	54.00	5.00	19.00	15°
600-71-Ø	F22/71	140E	22.00	30.00	55.00	6.00	21.00	15°
600-64-Ø	F25/64	145E	25.00	35.00	77.00	10.00	27.00	16°
600-93-Ø	F28/93	148E	28.00	38.00	70.00	7.00	28.00	15°
600-63-Ø	F30/63	157E	30.00	42.00	80.00	10.00	34.00	16°
600-101-Ø	F30/101	1446E	30.00	38.00	65.00	6.00	32.00	15°
600-221-Ø	F32/221	161E	32.00	45.00	75.00	8.00	34.00	15°
600-94-Ø	F35/94	163E	35.00	48.00	80.00	8.00	38.00	15°
600-740-Ø	F37/740	1536E	37.00	47.00	92.00	10.00	40.00	16°
600-72-Ø	F38/72	164E	38.08	49.00	107.50	9.00	38.00	15°
600-99-Ø	F42/99	171E	42.00	55.00	94.00	9.00	42.00	15°
600-81-Ø	F48/81	173E	48.00	60.00	94.00	9.00	50.00	15°

Wibemo - Croco Zangen

Stahl Croco mit langer Nase

A product of

WIBEMO
OUTILLAGE DE PRÉCISION



Vorteile :

- Spannbereich bis 0.2 mm
- Hochpräzision im gesamten Spannbereich
- Unterstützt Ø-Schwankungen der Stange
- Ermöglicht das Spannen von Sechskantprofilen, Quadratprofilen, Gewinden, etc.
- Verhindert Spannabdrücke auf der Stange oder dem Teil
- Hohe gleichmässige Spannkraft
- Verhindert das Eindringen von Spänen in die Durchbohrung
- Ideal für das Spannen von medizinischen Schrauben, konstantes Andrücken an das Gewinde selbst bei Schwankung des Toleranzbereichs.

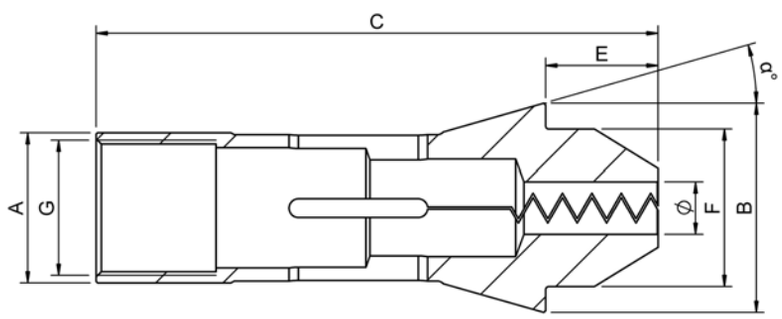
- HM - Ausführung auf Anfrage.

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Wibemo - Croco Zangen

Stahl Croco mit langer Nase - Technische Informationen





Artikel Nr	Typ	EU Norm	A	B	C	E	F	G	α°
Stahl Croco mit langer Nase									
600-577-10-Ø	F8/577 (LN10)	101E	8.00	12.00	47.50	10.00	8.00	M6x0.50	16°
600-86-10-Ø	F10/86 (LN10)	109E	10.00	15.50	52.00	10.00	10.00	M8x0.50	20°
600-357-12-Ø	F13/357 (LN12)	116E	13.00	19.00	70.00	12.00	13.00	M11x0.75	16°
600-580-13-Ø	F15/580 (LN13)	120E	15.00	21.00	71.00	13.00	15.00	M12x0.75	16°
600-1076-13-Ø	F16/1076 (LN13)	1212E	16.00	21.00	71.00	13.00	16.00	M14x0.75	16°
600-87-15-Ø	F20/87 (LN15)	138E	20.00	28.00	75.00	15.00	21.00	M18x1	16°
600-87-20-Ø	F20/87 (LN20)	138E	20.00	28.00	80.00	20.00	21.00	M18x1	16°
600-201-13-Ø	F20/201 (LN13)	136E	20.00	26.00	62.00	13.00	19.00	M18x1	15°
600-71-18-Ø	F22/71 (LN18)	140E	22.00	30.00	67.00	18.00	21.00	M20x1	15°
600-64-18-Ø	F25/64 (LN18)	145E	25.00	35.00	85.00	18.00	27.00	M22x1	16°
600-101-20-Ø	F30/101 (LN20)	1446E	30.00	38.00	79.00	20.00	32.00	-	15°
600-94-27-Ø	F35/94 (LN27)	163E	35.00	43.00	90.00	27.00	34.00	-	15°
600-740-25-Ø	F37/740 (LN25)	1536E	37.00	47.00	107.00	25.00	40.00	-	16°

Wibemo - CuBe Zangen

CUBE Standard oder lange Nase



Vorteile :

- Spannabdrücke an bearbeiteten Teilen oder empfindlichen Teilen werden durch die Innenbeschichtung der Zange CUBE verhindert.
- Lieferung auf Anfrage bei allen Zangentypen bis zu einem Körper von maximal 37 mm in der Version Standardnase oder lange Nase.
- Diese Neuheit wurde für alle Vorgänge entwickelt, die bei Aufnahme auf der Gegenspindel oder dem Spannen der Stange auf der Spindel höchste Umsicht erfordern.

Nicht geeignet für medizinische Teile

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Wibemo - Phenol Zangen

Phenol standard oder lange Nase



Vorteile :

- Diese Zange mit einer Aufnahmebohrung aus der synthetischen Faser Phenol ist besonders geeignet für das Spannen sehr empfindlicher Teile
- Nicht für sehr kurze Teile geeignet
- Aufnahmebohrung mind. Ø 1,5 mm
- Der Einsatz kann bei Verschleiss ersetzt werden
- Die ideale Alternative für Zangen aus Plastik oder POM
- Spannabdrücke and bearbeiteten Teilen oder empfindlichen Teilen werden durch die Innenbeschichtung der Zange verhindert
- Lieferung auf Anfrage bei allen Zangentypen bis zu einem Körper von maximal 37 mm in der Version standard Nase oder lange Nase
- Diese Neuheit wurde für alle Vorgänge entwickelt, die bei Aufnahme auf der Gegenspindel oder dem Spannen der Stange auf der Spindel höchste Umsicht erfordern.

Sonderzangen

Technische Informationen für Zangen mit kurzer Nase

Zeichnung für Zangen mit kurzer Nase

(Bitte ausfüllen)

Firma : _____

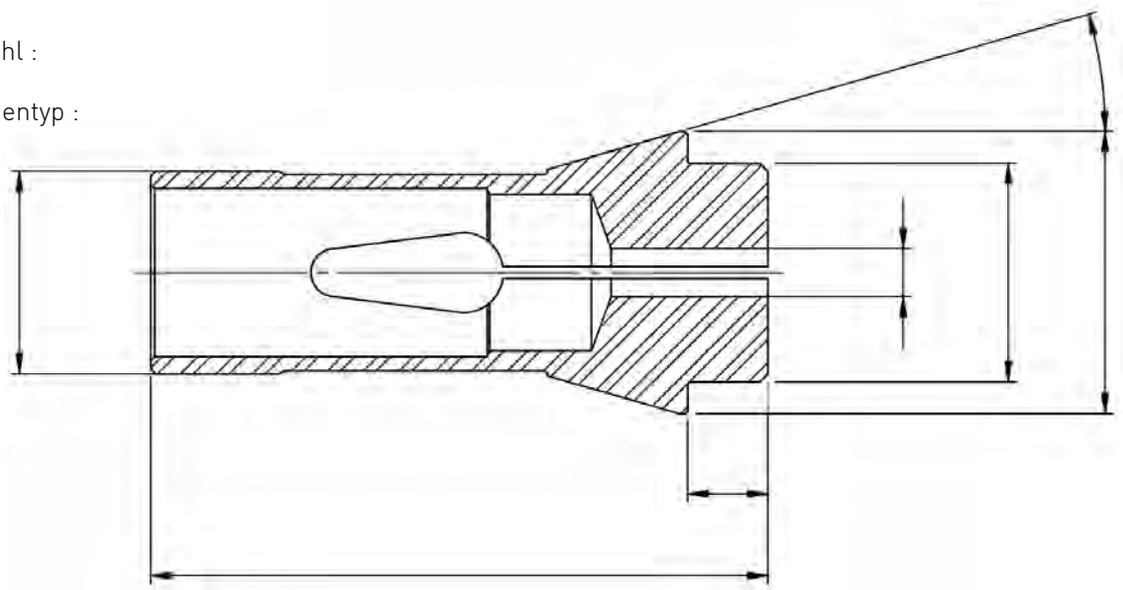
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Zeichnung gilt für :

☐ Anfrage ☐ Bestellung

Anzahl :

Zangentyp :



☐ Stahl

☐ HM

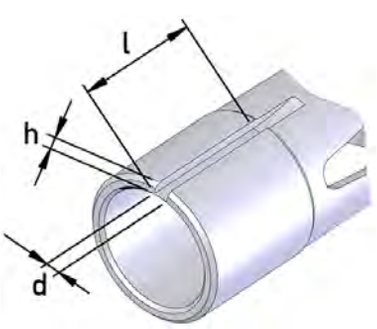
☐ CuBe

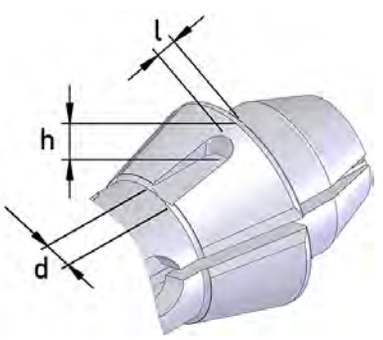
☐ Phenol

☐ Croco

☐ Keilnut a/Schaft

☐ Keilnut a/Konus





☐ -3 mm hinten

☐ mit Auswerfer

Bemerkung : _____

_____

_____

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Sonderzangen

Technische Informationen für Zangen mit Langer Nase

Zeichnung für Zangen mit Langer Nase (Vorbau)

(Bitte ausfüllen)

Firma : _____

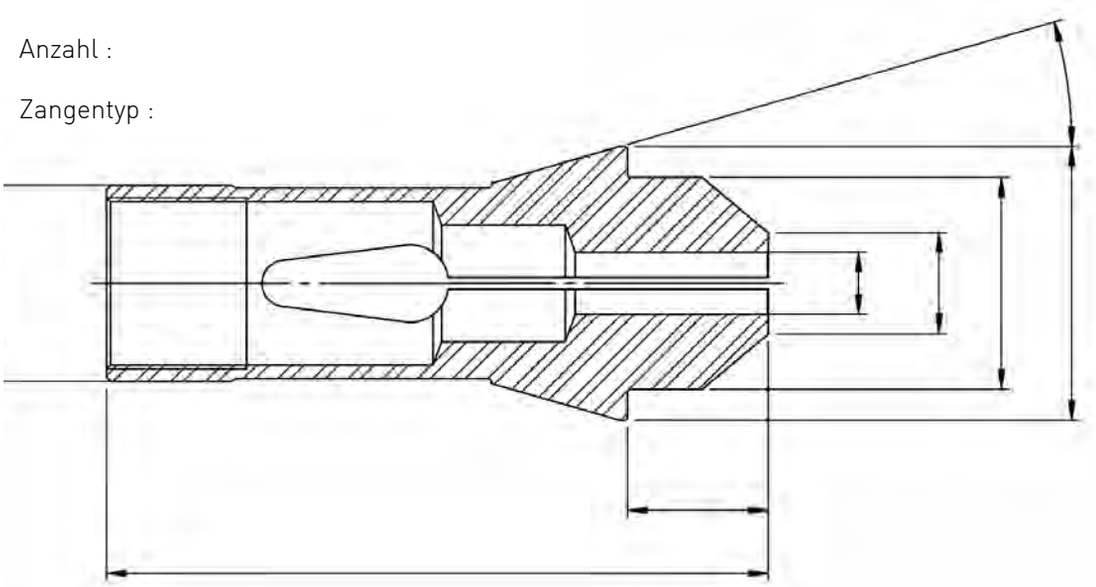
_____

Zeichnung gilt für :

☐ Anfrage ☐ Bestellung

Anzahl :

Zangentyp :



☐ Stahl

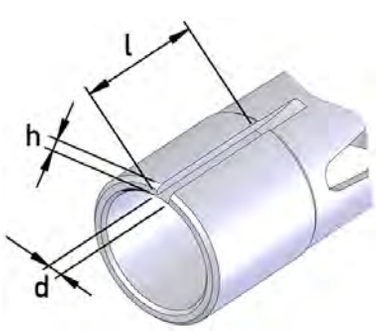
☐ HM

☐ CuBe

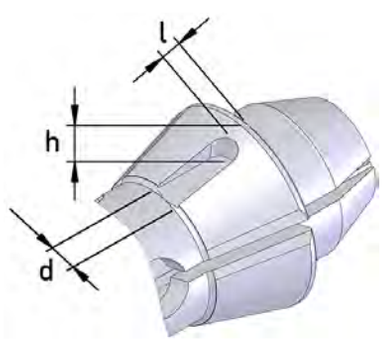
☐ Phenol

☐ Croco

☐ Keilnut a/Schaft



☐ Keilnut a/Konus



☐ -3 mm hinten

☐ mit Auswerfer

Bemerkung : _____

_____

_____

Sonderzangen

Sonderanfertigungen

Fig. 1

Formzange
1 Stufe

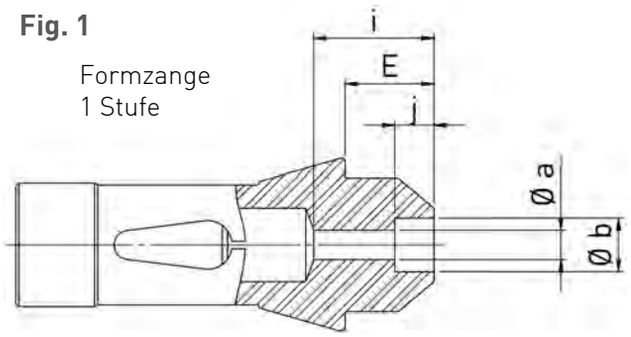


Fig. 2

Formzange
2 Stufen

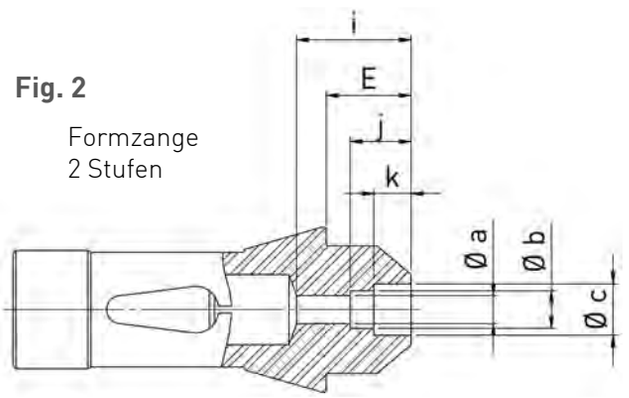


Fig. 3

Formzange mit
Radius

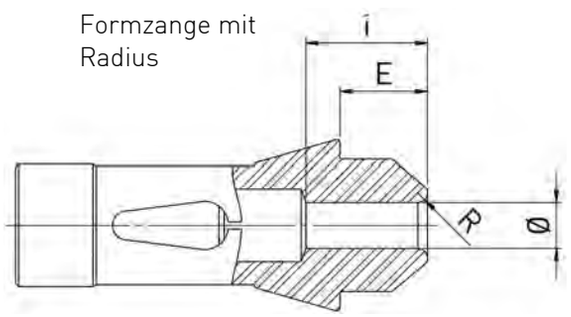
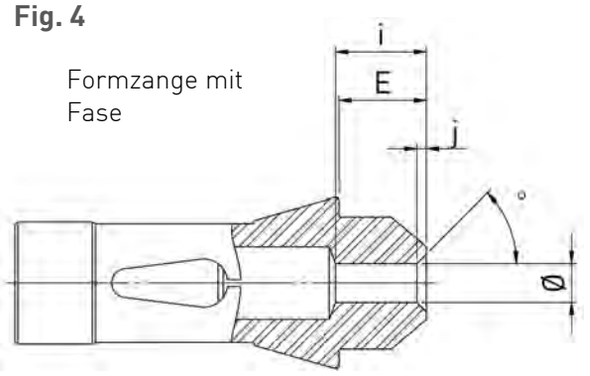


Fig. 4

Formzange mit
Fase



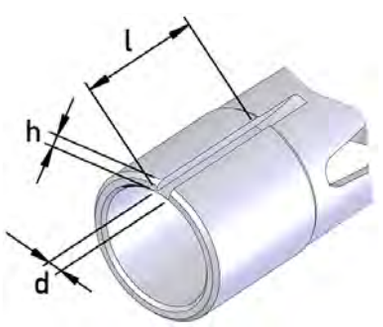
☐ Kurze Nase

☐ Lange Nase

☐ Stahl

☐ HM

☐ mit Keilnut a/Schaft



☐ mit Keilnut a/Konus

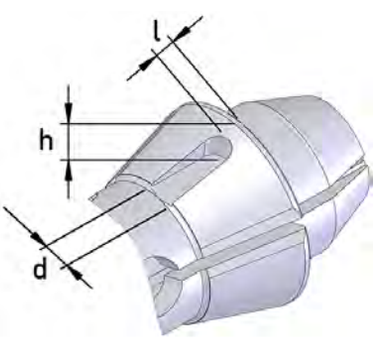


Fig. n° ☐

Zangentyp :

Anzahl :

Ø = _____
Ø a = _____
Ø b = _____
Ø c = _____
E = _____
i = _____
j = _____

k = _____
° = _____
R = _____
l = _____
h = _____
d = _____

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Sonderzangen

Sonderanfertigungen

Fig. 5

Formzange mit
Kurzer Spannlänge

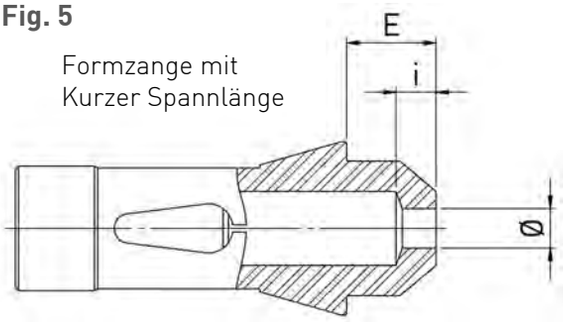


Fig. 6

Formzange
konisch vorne

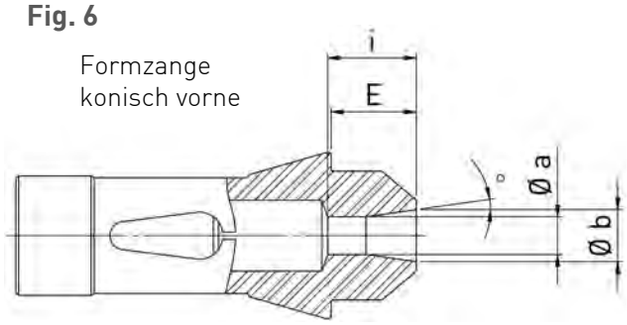


Fig. 7

Formzange
konisch hinten

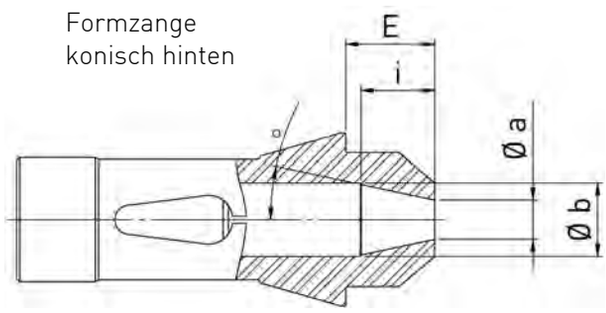
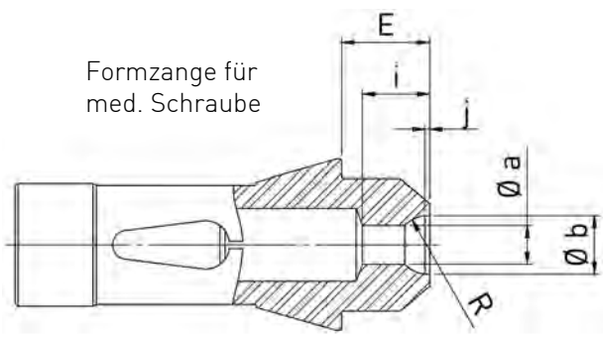


Fig. 8

Formzange für
med. Schraube



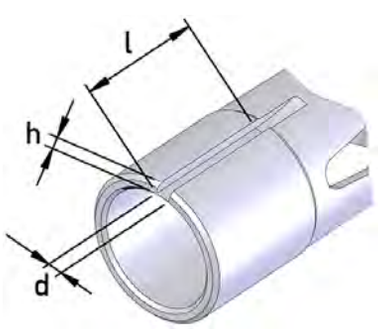
☐ Kurze Nase

☐ Lange Nase

☐ Stahl

☐ HM

☐ mit Keilnut a/Schaft



☐ mit Keilnut a/Konus

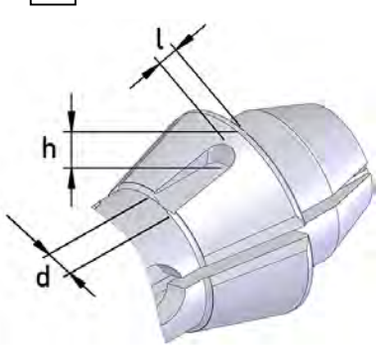


Fig. n° ☐

Zangentyp :

Anzahl :

Ø = _____
Ø a = _____
Ø b = _____
Ø c = _____
E = _____
i = _____
j = _____

k = _____
° = _____
R = _____
l = _____
h = _____
d = _____

Sonderzangen

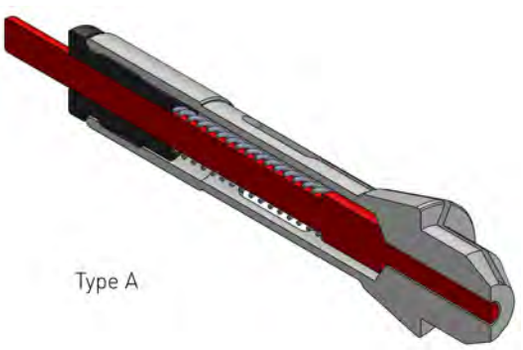
Extraktor-Rohlinge



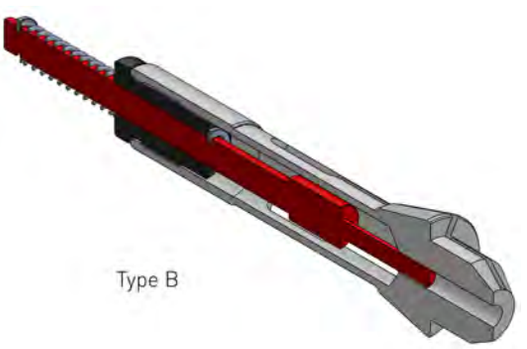
Selbst fertigzustellender Extraktor-Rohling
Auf Anfrage liefern wir die Zange mit Extraktor, die dem Durchmesser angepasst ist. Extraktoren aus Stahl oder mit einem Endstück aus HM sind ebenfalls erhältlich.
Vollständige Lieferung mit Feder und Feststellmutter.

Extraktor für Zangen

Alle unsere Zangen können bei Bedarf mit einem Extraktor vom Typ A oder B ausgestattet werden.



Ein Extraktor vom Typ A kann auf alle Zangentypen montiert werden.
Dieser Extraktor funktioniert entgegengesetzt zum Typ B : Er wird am vorderen Teil der Zange gehalten und vom Teil nach hinten gedrückt.
Bei Öffnen der Zange wird das Teil durch die Federkraft ausgeworfen und der Extraktor geht in die ursprüngliche Position zurück.

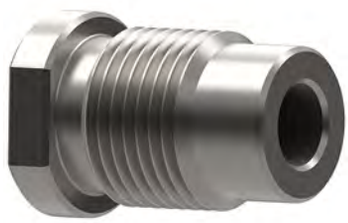


Ein Extraktor vom Typ B kann auf alle Zangentypen montiert werden.
Er funktioniert nach dem folgenden Prinzip :
Die Feder hält den Extraktor hinten und kehrt nach der Extraktion des Teils in ihre Ausgangsstellung zurück.
Die Extraktion des Teils wird durch den Schub des Extraktors ausgelöst.

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Sonderzangen

Muttern für Extraktor



Artikel Nr	Typ	Gewinde	Ø für Extraktor
100851	F8	M6x0.5	3.00 mm
100830	F10	M8x0.5	5.00 mm
100361	F13	M11x0.75	5.00 mm
100849	F15	M12x0.75	5.00 mm
100850	F16	M14x0.75	5.00 mm
100262	F20/87	M18x1.00	7.00 mm
100848	F20/201	M18x1.00	7.00 mm
100844	F22	M20x1.00	7.00 mm
100840	F25	M22x1.00	7.00 mm

Federn für Extraktor



- auf Anfrage

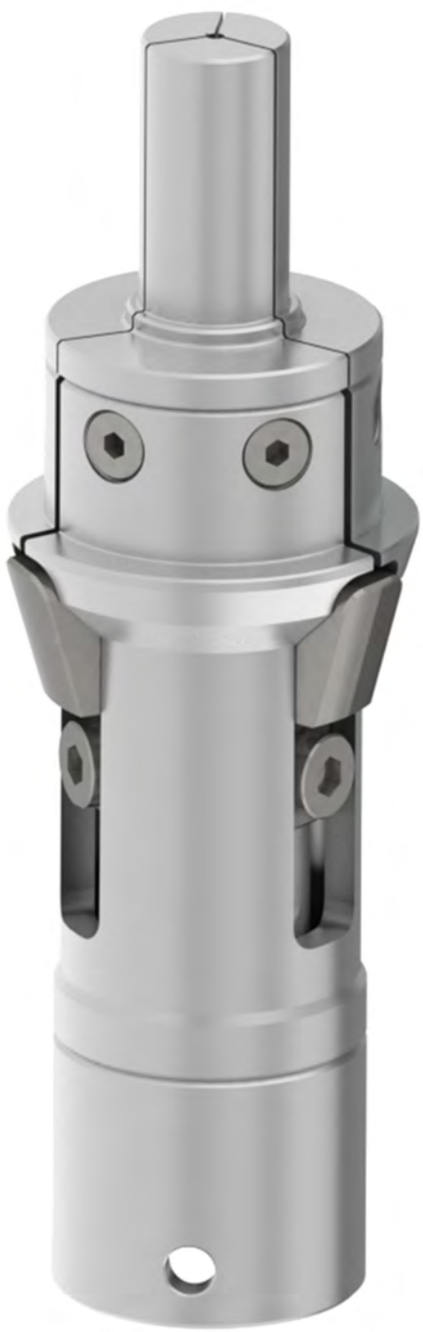
Wibemo - Wifex Zangen

WIFEX Zangenkörper

A product of

WIBEMO
OUTILLAGE DE PRÉCISION

PATENT PENDING



Vorteile :

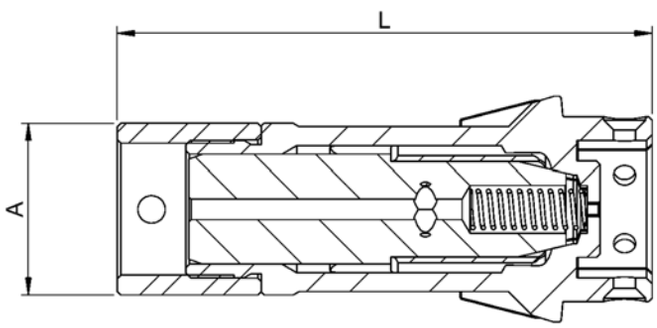
Die Wifex-Zange ist eine exklusive Entwicklung der WIBEMO SA und löst das Problem der Teileaufnahme von innen.
Diese Spreizdorn-Zange kann genau wie eine standard Zange vom Typ F ohne Veränderung der Spannhülse verwendet werden.
Der Mechanismus ermöglicht eine präzise Teileaufnahme von innen mit einer Spannung, die den Vorgang von Leichten Gegenbearbeitungen vereinfacht.
Auf dem Grundkörper können sowohl fertig geschliffenen Spannbacken (laut Zeichnung geschliffen und gehärtet) oder weiche Spannbacken zum Selbstfertigen, montiert werden.
Verschiedene tauschbare Spannbacken können auf dem gleichen Grundkörper angepasst werden.

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Wibemo - Wifex Zangen

WIFEX Zangenkörper - Technische Informationen



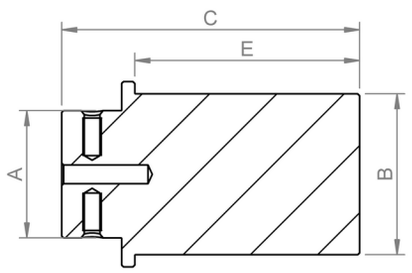


Artikel Nr	Typ	EU Norm	A	L
WIFEX Zangenkörper				
750-357	F13/357	116E	13.00	65.90
750-87	F20/87	138E	20.00	70.05
750-201	F20/201	136E	20.00	58.05
750-71	F22/71	140E	22.00	62.00
750-64	F25/64	145E	25.00	78.00
750-94	F35/94	163E	35.00	92.90
750-740	F37/740	1536E	37.00	102.00
750-72	F38/72	164E	38.00	119.50
750-99	F42/99	171E	42.00	110.00
750-81	F48/81	173E	48.00	110.00

Wibemo - Wifex Zangen

Spannbacken für WIFEX-Zange





Anwendungen :

- Für jede Verwendung mit einer Wifex-Zange
- Je nach Bedarf diverse Varianten
- Ungehärteter Spannbacken-Rohling vom Kunden fertigzustellen
- Fertiggestellte Version entsprechend aufzunehmendem Teil.

Gehärtete Nase nach Kundenzeichnung auf Anfrage

Artikel Nr	Typ	A	B	C	E
800-357	Weiche Nase F13/357	8.50	10.00	21.80	15.00
800-87	Weiche Nase F20/87	14.00	15.00	29.50	20.00
800-201	Weiche Nase F20/201	14.00	13.00	23.50	14.00
800-71	Weiche Nase F22/71	16.00	17.00	35.90	25.00
800-64	Weiche Nase F25/64	20.00	20.00	43.80	30.00
800-94	Weiche Nase F35/94	29.00	33.00	60.80	40.00
800-740	Weiche Nase F37/740	30.00	35.00	61.80	40.00
800-72	Weiche Nase F38/72	29.00	33.00	61.80	40.00
800-99	Weiche Nase F42/99	30.00	37.00	69.50	50.00
800-81	Weiche Nase F48/81	34.00	43.00	79.50	60.00

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Transportarm Zangen

Technische Informationen

Bei jeder Anfrage / Bestellung bitten wir Sie das Formular auszufüllen :

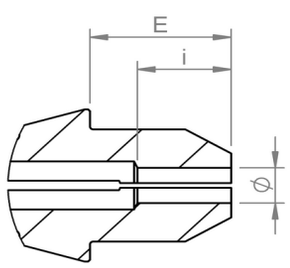
Typ und Grösse der Zange (siehen Tabelle auf weitere Seite) :_____

Ausführung : **Stahl** □ **HM** □

Extraktor : **Ja** □ **Nein** □

Anstossen des Teiles gegen Extractor : **Ja** □ **Nein** □

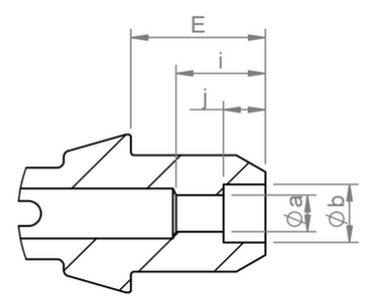
Spanntiefe des Teiles in der Zange : _____



E= _____

i= _____

Ø= _____



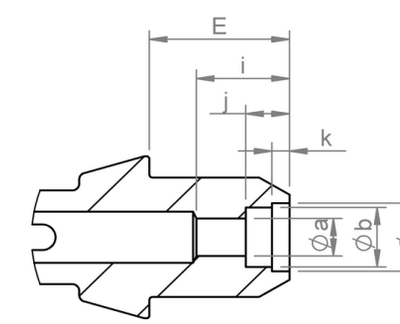
E= _____

i= _____

j= _____

Øa= _____

Øb= _____



E= _____

i= _____

j= _____

k= _____

Øa= _____

Øb= _____

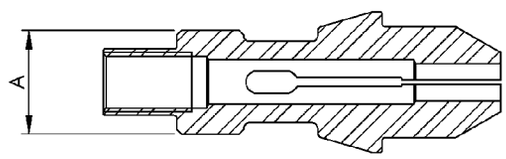
Øc= _____

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Transportarm Zangen

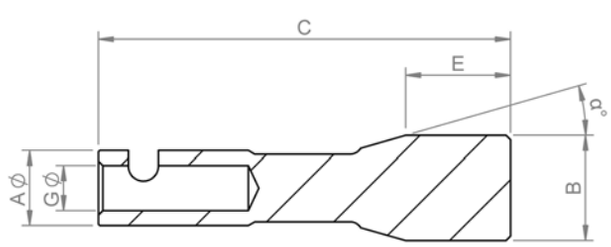
Transportarm Zangen zu Tornos Maschinen





Artikel Nr	Typ	A
Trans-T5	Tornos (12-EA)	5.00
Trans-T7	Tornos (12-UB / 12-JB / 34-DA)	7.00
Trans-T8	Tornos (34-DA)	8.00
Trans-T10	Tornos (34-DA)	10.00
Trans-T12	Tornos (34-DA)	12.00
Trans-T18	Tornos (14-DA)	18.00

Besondere Transportarm Zange zu M4-T4



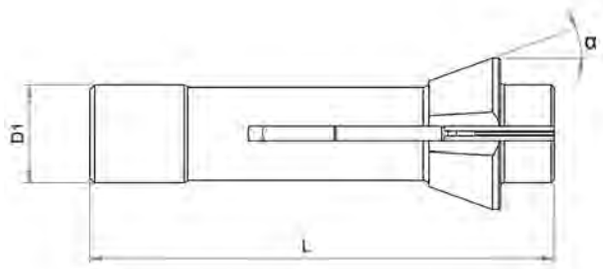
Artikel Nr	Typ
Trans T05	M4-T4 (14-OA)

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HM Spannzangen

Zangen mit HM-Bohrung





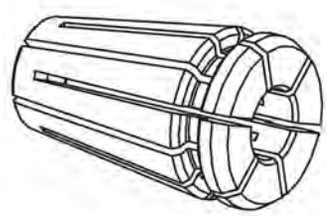
Artikel Nr	Typ	D1	L	α	Ø max	6-Kt max	4-Kt max
Zange mit HM-Bohrung							
811	F7/206	7.00	26.00	15°	3.00	2.70	2.20
551	F8/577	8.00	42.00	16°	5.00	4.50	3.00
552	F10/86	10.00	47.50	20°	7.00	6.00	5.00
301	F10/1178	10.00	46.00	20°	7.00	6.00	5.00
561	F13/357	13.00	64.00	16°	8.00	7.00	5.50
302	F14/98	14.00	46.00	13°	10.00	8.50	7.00
553	F15/580	15.00	64.00	16°	11.00	9.50	7.50
802	F15/358	15.00	47.00	20°	10.00	8.50	7.00
562	F16/1076	16.00	64.00	16°	11.00	9.50	7.50
136E	F20/201	20.00	54.00	15°	14.00	11.50	9.50
555	F20/87	20.00	67.00	16°	14.00	11.50	9.50
804	F20/102	20.00	60.00	15°	14.00	11.50	9.50
140E	F22/71	22.00	55.00	15°	15.00	13.00	10.50
813	F22/727	22.00	67.00	16°	15.00	13.00	10.50
556	F25/64	25.00	77.00	16°	18.00	15.50	13.00
805	F25/91	25.00	65.00	15°	17.00	15.00	12.00
305	F26/90	26.00	67.00	13°	18.00	15.50	13.00
148E	F28/93	28.00	70.00	15°	19.00	16.50	14.50
557	F30/63	30.00	80.00	16°	22.00	19.00	15.50
806	F30/101	30.00	65.00	15°	21.00	18.00	15.00
158E	F32/221	32.00	75.00	15°	22.00	19.00	15.50
807	F32/1023	32.00	65.00	15°	23.00	19.50	15.00
558	F34/1077	34.00	80.00	16°	24.00	21.00	17.00
162E	F35/67	35.00	70.00	15°	25.00	22.00	18.00
163E	F35/94	35.00	80.00	15°	25.00	22.00	18.00
563	F37/740	37.00	92.00	16°	30.00	26.00	22.00
173E	F48/81	48.00	94.00	15°	40.00	34.00	28.00
CMD Zange = Ø und Kegel aus HM							
811CMD	F7/206	7.00	26.00	15°	3.00	2.70	2.20
551CMD	F8/577	8.00	42.00	16°	5.00	4.50	3.00
552CMD	F10/86	10.00	47.50	20°	7.00	6.00	5.00
301CMD	F10/1178	10.00	46.00	20°	7.00	6.00	5.00
561CMD	F13/357	13.00	64.00	16°	8.00	7.00	5.50
302CMD	F14/98	14.00	46.00	13°	10.00	8.50	7.00
553CMD	F15/580	15.00	64.00	16°	11.00	9.50	7.50
562CMD	F16/1076	16.00	64.00	16°	11.00	9.50	7.50

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Rego-Fix Spannzangen

ER 8 Spannzangen



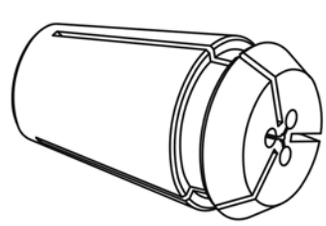


Standard oder UP Lieferbar

REGO-FIX®

Artikel Nr.	Bohrung	Inhalt	UP Artikel Nr.
ER8-100	1.00 - 0.50		ER8-100UP
ER8-150	1.50 - 1.00		ER8-150UP
ER8-200	2.00 - 1.50		ER8-200UP
ER8-250	2.50 - 2.00		ER8-250UP
ER8-300	3.00 - 2.50		ER8-300UP
ER8-350	3.50 - 3.00		ER8-350UP
ER8-400	4.00 - 3.50		ER8-400UP
ER8-450	4.50 - 4.00		ER8-450UP
ER8-500	5.00 - 4.50		ER8-500UP
ER8-SET	0.50 - 5.00	9 Zangen + 1 Sockel ZWT/8	

ER 8-MB Mikrobohrung Spannzangen



Die Spannzange mit Mikrobohrung hat eine Rundlaufgenauigkeit von ‹ 6µM und wurde von Rego-FIX® speziell für kleinste Werkzeugschäfte entwickelt.

Mit der Mikrobohrspannzange kann nur der Nenndurchmesser mit Werkzeugschäften in der Toleranz h7 gespannt werden.

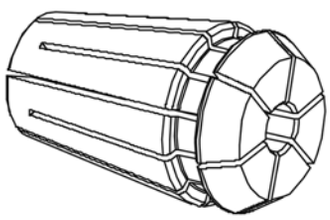
REGO-FIX®

Artikel Nr.	Bohrung
ER8-MB-020	0.20
ER8-MB-030	0.30
ER8-MB-040	0.40
ER8-MB-050	0.50
ER8-MB-060	0.60
ER8-MB-070	0.70
ER8-MB-080	0.80
ER8-MB-090	0.90

Rego-Fix Spannzangen

ER 11 Spannzangen





Standard oder UP Lieferbar

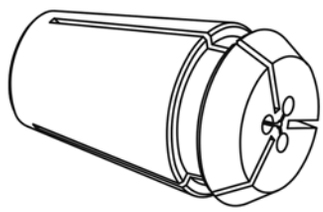
REGO-FIX®

Artikel Nr.	Bohrung	Inhalt	UP Artikel Nr.
ER11-100	1.00 - 0.50		ER11-100UP
ER11-150	1.50 - 1.00		ER11-150UP
ER11-200	2.00 - 1.50		ER11-200UP
ER11-250	2.50 - 2.00		ER11-250UP
ER11-300	3.00 - 2.50		ER11-300UP
ER11-350	3.50 - 3.00		ER11-350UP
ER11-400	4.00 - 3.50		ER11-400UP
ER11-450	4.50 - 4.00		ER11-450UP
ER11-500	5.00 - 4.50		ER11-500UP
ER11-550	5.50 - 5.00		ER11-550UP
ER11-600	6.00 - 5.50		ER11-600UP
ER11-650	6.50 - 6.00		ER11-650UP
ER11-700	7.00 - 6.50		ER11-700UP
ER11-SET	0.50 - 7.00	13 Zangen + 1 Sockel ZWT/11	

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Rego-Fix Spannzangen

ER 11-MB Mikrobohrung Spannzangen



Die Spannzange mit Mikrobohrung hat eine Rundlaufgenauigkeit von ‹ 6µM und wurde von Rego-FIX® speziell für kleinste Werkzeugschäfte entwickelt.

Mit der Mikrobohrspannzange kann nur der Nenndurchmesser mit Werkzeugschäften in der Toleranz h7 gespannt werden.

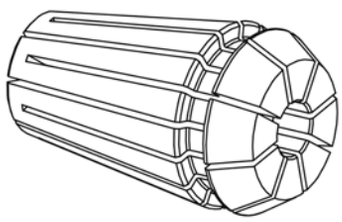
REGO-FIX®

Artikel Nr.	Bohrung
ER11-MB-020	0.20
ER11-MB-030	0.30
ER11-MB-040	0.40
ER11-MB-050	0.50
ER11-MB-060	0.60
ER11-MB-070	0.70
ER11-MB-080	0.80
ER11-MB-090	0.90

Rego-Fix Spannzangen

ER 16 Spannzangen





Standard oder UP Lieferbar

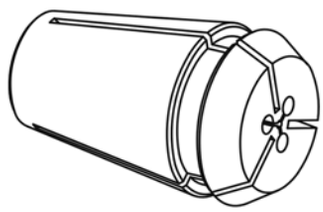
REGO-FIX®

Artikel Nr.	Bohrung	Inhalt	UP Artikel Nr.
ER16-100	1.00 - 0.50		ER16-100UP
ER16-150	1.50 - 1.00		ER16-150UP
ER16-200	2.00 - 1.00		ER16-200UP
ER16-250	2.50 - 1.50		ER16-250UP
ER16-300	3.00 - 2.00		ER16-300UP
ER16-350	3.50 - 2.50		ER16-350UP
ER16-400	4.00 - 3.00		ER16-400UP
ER16-450	4.50 - 3.50		ER16-450UP
ER16-500	5.00 - 4.00		ER16-500UP
ER16-550	5.50 - 4.50		ER16-550UP
ER16-600	6.00 - 5.00		ER16-600UP
ER16-650	6.50 - 5.50		ER16-650UP
ER16-700	7.00 - 6.00		ER16-700UP
ER16-750	7.50 - 6.50		ER16-750UP
ER16-800	8.00 - 7.00		ER16-800UP
ER16-850	8.50 - 7.50		ER16-850UP
ER16-900	9.00 - 8.00		ER16-900UP
ER16-950	9.50 - 8.50		ER16-950UP
ER16-1000	10.00 - 9.00		ER16-1000UP
ER16-SET	0.50 - 10.00	10 Zangen + 1 Sockel ZWT/16	

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Rego-Fix Spannzangen

ER 16-MB Mikrobohrung Spannzangen



Die Spannzange mit Mikrobohrung hat eine Rundlaufgenauigkeit von ‹ 6µM und wurde von Rego-FIX® speziell für kleinste Werkzeugschäfte entwickelt.

Mit der Mikrobohrspannzange kann nur der Nenndurchmesser mit Werkzeugschäften in der Toleranz h7 gespannt werden.

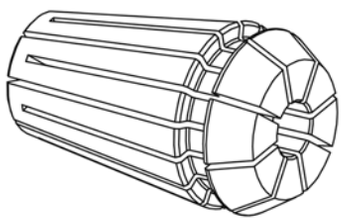
REGO-FIX®

Artikel Nr.	Bohrung
ER16-MB-020	0.20
ER16-MB-030	0.30
ER16-MB-040	0.40
ER16-MB-050	0.50
ER16-MB-060	0.60
ER16-MB-070	0.70
ER16-MB-080	0.80
ER16-MB-090	0.90

Rego-Fix Spannzangen

ER 20 Spannzangen





Standard oder UP Lieferbar

REGO-FIX®

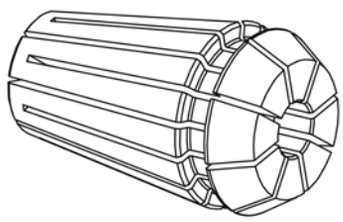
Artikel Nr.	Bohrung	Inhalt	UP Artikel Nr.
ER20-100	1.00 - 0.50		ER20-100UP
ER20-150	1.50 - 1.00		ER20-150UP
ER20-200	2.00 - 1.00		ER20-200UP
ER20-250	2.50 - 1.50		ER20-250UP
ER20-300	3.00 - 2.00		ER20-300UP
ER20-350	3.50 - 2.50		ER20-350UP
ER20-400	4.00 - 3.00		ER20-400UP
ER20-450	4.50 - 3.50		ER20-450UP
ER20-500	5.00 - 4.00		ER20-500UP
ER20-550	5.50 - 4.50		ER20-550UP
ER20-600	6.00 - 5.00		ER20-600UP
ER20-650	6.50 - 5.50		ER20-650UP
ER20-700	7.00 - 6.00		ER20-700UP
ER20-750	7.50 - 6.50		ER20-750UP
ER20-800	8.00 - 7.00		ER20-800UP
ER20-850	8.50 - 7.50		ER20-850UP
ER20-900	9.00 - 8.00		ER20-900UP
ER20-950	9.50 - 8.50		ER20-950UP
ER20-1000	10.00 - 9.00		ER20-1000UP
ER20-1050	10.50 - 9.50		ER20-1050UP
ER20-1100	11.00 - 10.00		ER20-1100UP
ER20-1150	11.50 - 10.50		ER20-1150UP
ER20-1200	12.00 - 11.00		ER20-1200UP
ER20-1250	12.50 - 11.50		ER20-1250UP
ER20-1300	13.00 - 12.00		ER20-1300UP
ER20-SET	1.00 - 13.00	12 Zangen + 1 Sockel ZWT/20	

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Rego-Fix Spannzangen

ER 25 Spannzangen





Standard oder UP Lieferbar

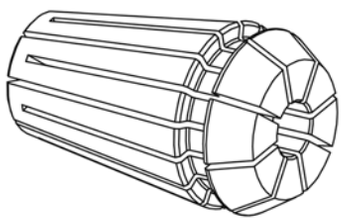
REGO-FIX®

Artikel Nr.	Bohrung	Inhalt	UP Artikel Nr.
ER25-100	1.00 - 0.50		ER25-100UP
ER25-150	1.50 - 1.00		ER25-150UP
ER25-200	2.00 - 1.00		ER25-200UP
ER25-250	2.50 - 1.50		ER25-250UP
ER25-300	3.00 - 2.00		ER25-300UP
ER25-350	3.50 - 2.50		ER25-350UP
ER25-400	4.00 - 3.00		ER25-400UP
ER25-450	4.50 - 3.50		ER25-450UP
ER25-500	5.00 - 4.00		ER25-500UP
ER25-550	5.50 - 4.50		ER25-550UP
ER25-600	6.00 - 5.00		ER25-600UP
ER25-650	6.50 - 5.50		ER25-650UP
ER25-700	7.00 - 6.00		ER25-700UP
ER25-750	7.50 - 6.50		ER25-750UP
ER25-800	8.00 - 7.00		ER25-800UP
ER25-850	8.50 - 7.50		ER25-850UP
ER25-900	9.00 - 8.00		ER25-900UP
ER25-950	9.50 - 8.50		ER25-950UP
ER25-1000	10.00 - 9.00		ER25-1000UP
ER25-1050	10.50 - 9.50		ER25-1050UP
ER25-1100	11.00 - 10.00		ER25-1100UP
ER25-1150	11.50 - 10.50		ER25-1150UP
ER25-1200	12.00 - 11.00		ER25-1200UP
ER25-1250	12.50 - 11.50		ER25-1250UP
ER25-1300	13.00 - 12.00		ER25-1300UP
ER25-1350	13.50 - 12.50		ER25-1350UP
ER25-1400	14.00 - 13.00		ER25-1400UP
ER25-1450	14.50 - 13.50		ER25-1450UP
ER25-1500	15.00 - 14.00		ER25-1500UP
ER25-1550	15.50 - 14.50		ER25-1550UP
ER25-1600	16.00 - 15.00		ER25-1600UP
ER25-1700	17.00 - 16.00		ER25-1700UP
ER25-SET	1.00 - 16.00	15 Zangen + 1 Sockel ZWT/25	

Rego-Fix Spannzangen

ER 32 Spannzangen





Standard oder UP Lieferbar

REGO-FIX®

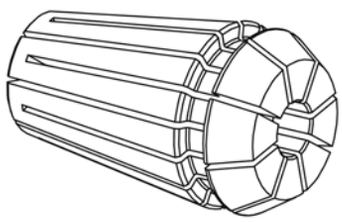
Artikel Nr.	Bohrung	Inhalt	UP Artikel Nr.
ER32-200	2.00 - 1.00		ER32-200UP
ER32-250	2.50 - 1.50		ER32-250UP
ER32-300	3.00 - 2.00		ER32-300UP
ER32-350	3.50 - 2.50		ER32-350UP
ER32-400	4.00 - 3.00		ER32-400UP
ER32-450	4.50 - 3.50		ER32-450UP
ER32-500	5.00 - 4.00		ER32-500UP
ER32-550	5.50 - 4.50		ER32-550UP
ER32-600	6.00 - 5.00		ER32-600UP
ER32-650	6.50 - 5.50		ER32-650UP
ER32-700	7.00 - 6.00		ER32-700UP
ER32-750	7.50 - 6.50		ER32-750UP
ER32-800	8.00 - 7.00		ER32-800UP
ER32-850	8.50 - 7.50		ER32-850UP
ER32-900	9.00 - 8.00		ER32-900UP
ER32-950	9.50 - 8.50		ER32-950UP
ER32-1000	10.00 - 9.00		ER32-1000UP
ER32-1050	10.50 - 9.50		ER32-1050UP
ER32-1100	11.00 - 10.00		ER32-1100UP
ER32-1150	11.50 - 10.50		ER32-1150UP
ER32-1200	12.00 - 11.00		ER32-1200UP
ER32-1250	12.50 - 11.50		ER32-1250UP
ER32-1300	13.00 - 12.00		ER32-1300UP
ER32-1350	13.50 - 12.50		ER32-1350UP
ER32-1400	14.00 - 13.00		ER32-1400UP
ER32-1450	14.50 - 13.50		ER32-1450UP
ER32-1500	15.00 - 14.00		ER32-1500UP
ER32-1550	15.50 - 14.50		ER32-1550UP
ER32-1600	16.00 - 15.00		ER32-1600UP
ER32-1650	16.50 - 15.50		ER32-1650UP
ER32-1700	17.00 - 16.00		ER32-1700UP
ER32-1750	17.50 - 16.50		ER32-1750UP
ER32-1800	18.00 - 17.00		ER32-1800UP
ER32-1850	18.50 - 17.50		ER32-1850UP
ER32-1900	19.00 - 18.00		ER32-1900UP
ER32-1950	19.50 - 18.50		ER32-1950UP
ER32-2000	20.00 - 19.00		ER32-2000UP
ER32-2100	21.00 - 20.00		ER32-2100UP
ER32-2200	22.00 - 21.00		ER32-2200UP
ER32-SET	2.00 - 20.00	18 Zangen + 1 Sockel ZWT/32	

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Rego-Fix Spannzangen

ER 40 Spannzangen





Standard oder UP Lieferbar

REGO-FIX®

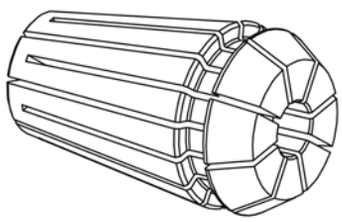
Artikel Nr.	Bohrung	UP Artikel Nr.
ER40-300	3.00 - 2.00	ER40-300UP
ER40-350	3.50 - 2.50	ER40-350UP
ER40-400	4.00 - 3.00	ER40-400UP
ER40-450	4.50 - 3.50	ER40-450UP
ER40-500	5.00 - 4.00	ER40-500UP
ER40-550	5.50 - 4.50	ER40-550UP
ER40-600	6.00 - 5.00	ER40-600UP
ER40-650	6.50 - 5.50	ER40-650UP
ER40-700	7.00 - 6.00	ER40-700UP
ER40-750	7.50 - 6.50	ER40-750UP
ER40-800	8.00 - 7.00	ER40-800UP
ER40-850	8.50 - 7.50	ER40-850UP
ER40-900	9.00 - 8.00	ER40-900UP
ER40-950	9.50 - 8.50	ER40-950UP
ER40-1000	10.00 - 9.00	ER40-1000UP
ER40-1050	10.50 - 9.50	ER40-1050UP
ER40-1100	11.00 - 10.00	ER40-1100UP
ER40-1150	11.50 - 10.50	ER40-1150UP
ER40-1200	12.00 - 11.00	ER40-1200UP
ER40-1250	12.50 - 11.50	ER40-1250UP
ER40-1300	13.00 - 12.00	ER40-1300UP
ER40-1350	13.50 - 12.50	ER40-1350UP
ER40-1400	14.00 - 13.00	ER40-1400UP
ER40-1450	14.50 - 13.50	ER40-1450UP
ER40-1500	15.00 - 14.00	ER40-1500UP
ER40-1550	15.50 - 14.50	ER40-1550UP
ER40-1600	16.00 - 15.00	ER40-1600UP
ER40-1650	16.50 - 15.50	ER40-1650UP
ER40-1700	17.00 - 16.00	ER40-1700UP
ER40-1750	17.50 - 16.50	ER40-1750UP
ER40-1800	18.00 - 17.00	ER40-1800UP
ER40-1850	18.50 - 17.50	ER40-1850UP
ER40-1900	19.00 - 18.00	ER40-1900UP
ER40-1950	19.50 - 18.50	ER40-1950UP
ER40-2000	20.00 - 19.00	ER40-2000UP
ER40-2050	20.50 - 19.50	ER40-2050UP
ER40-2100	21.00 - 20.00	ER40-2100UP
ER40-2150	21.50 - 20.50	ER40-2150UP
ER40-2200	22.00 - 21.00	ER40-2200UP
ER40-2250	22.50 - 21.50	ER40-2250UP
ER40-2300	23.00 - 22.00	ER40-2300UP
ER40-2350	23.50 - 22.50	ER40-2350UP
ER40-2400	24.00 - 23.00	ER40-2400UP

Rego-Fix Spannzangen

ER 40 Spannzangen

Folge ...





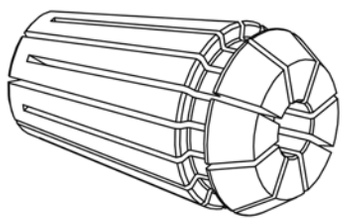
Artikel Nr.	Bohrung	Inhalt	UP Artikel Nr.
ER40-2450	24.50 - 23.50		ER40-2450UP
ER40-2500	25.00 - 24.00		ER40-2500UP
ER40-2550	25.50 - 24.50		ER40-2550UP
ER40-2600	26.00 - 25.00		ER40-2600UP
ER40-2700	27.00 - 26.00		ER40-2700UP
ER40-2800	28.00 - 27.00		ER40-2800UP
ER40-2900	29.00 - 28.00		ER40-2900UP
ER40-3000	30.00 - 29.00		ER40-3000UP
ER40-SET	3.00 - 26.00	23 Zangen + 1 Sockel ZWT/40	

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Rego-Fix Spannzangen

ER 50 Spannzangen





Standard oder UP Lieferbar

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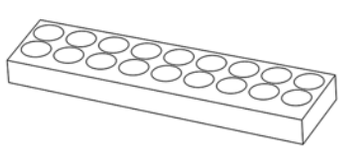
Artikel Nr.	Bohrung	Inhalt	UP Artikel Nr.
ER50-600	6.00 - 4.00		ER50-600UP
ER50-800	8.00 - 6.00		ER50-800UP
ER50-1000	10.00 - 8.00		ER50-1000UP
ER50-1200	12.00 - 10.00		ER50-1200UP
ER50-1400	14.00 - 12.00		ER50-1400UP
ER50-1600	16.00 - 14.00		ER50-1600UP
ER50-1800	18.00 - 16.00		ER50-1800UP
ER50-2000	20.00 - 18.00		ER50-2000UP
ER50-2200	22.00 - 20.00		ER50-2200UP
ER50-2400	24.00 - 22.00		ER50-2400UP
ER50-2500	25.00 - 23.00		ER50-2500UP
ER50-2600	26.00 - 24.00		ER50-2600UP
ER50-2800	28.00 - 26.00		ER50-2800UP
ER50-3000	30.00 - 28.00		ER50-3000UP
ER50-3200	32.00 - 30.00		ER50-3200UP
ER50-3400	34.00 - 32.00		ER50-3400UP
ER50-3600	36.00 - 34.00		ER50-3600UP
ER50-SET	10.00 - 34.00	12 Zangen + 1 Sockel ZWT/50	

Rego-Fix Spannzangen

ER Spannzangensätze

Artikel Nr.	Bohrung	Inhalt
ER8-SET	0.50 - 5.00	9 Zangen + 1 Sockel ZWT/8
ER8-SETUP	0.50 - 5.00	9 Zangen + 1 Sockel ZWT/8
ER11-SET	0.50 - 7.00	13 Zangen + 1 Sockel ZWT/11
ER11-SETUP	0.50 - 7.00	13 Zangen + 1 Sockel ZWT/11
ER16-SET	0.50 - 10.00	10 Zangen + 1 Sockel ZWT/16
ER16-SETUP	0.50 - 10.00	10 Zangen + 1 Sockel ZWT/16
ER20-SET	1.00 - 13.00	12 Zangen + 1 Sockel ZWT/20
ER20-SETUP	1.00 - 13.00	12 Zangen + 1 Sockel ZWT/20
ER25-SET	1.00 - 16.00	15 Zangen + 1 Sockel ZWT/25
ER25-SETUP	1.00 - 16.00	15 Zangen + 1 Sockel ZWT/25
ER32-SET	2.00 - 20.00	18 Zangen + 1 Sockel ZWT/32
ER32-SETUP	2.00 - 20.00	18 Zangen + 1 Sockel ZWT/32
ER40-SET	3.00 - 26.00	23 Zangen + 1 Sockel ZWT/40
ER40-SETUP	3.00 - 26.00	23 Zangen + 1 Sockel ZWT/40
ER50-SET	10.00 - 34.00	12 Zangen + 1 Sockel ZWT/50
ER50-SETUP	10.00 - 34.00	12 Zangen + 1 Sockel ZWT/50

ER Sockel für Spannzangensätze



Übersichtliche Lagerung

Aus hochwertigem schaumstoff gefertigt mit Beschriftung des Spannzangen Ø

Artikel Nr.	Typ	Zangen Anzahl
7121.08000	ZWT/8	9
7121.11000	ZWT/11	13
7121.16000	ZWT/16	10
7121.20000	ZWT/20	12
7121.25000	ZWT/25	15
7121.32000	ZWT/32	18
7121.40000	ZWT/40	23
7121.50000	ZWT/50	12

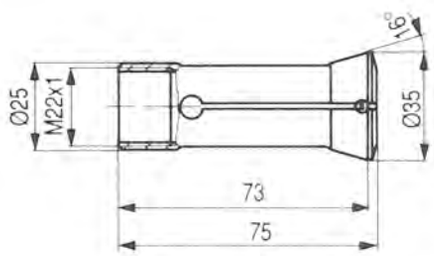
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Zangen für Tornos Mehrspindler

Spannzangen für AS14

Zusammenfassung der Zangen zu Tornos AS14

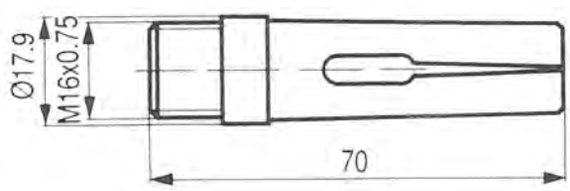
Typ	P25
Art. Nr.	78-334
Ref. Tornos	AS 12115



Spindelzange

üblich als Satz von 6/8 Stk geliefert

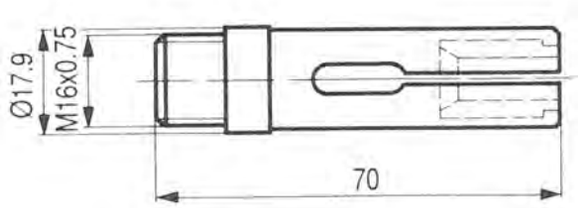
Typ	A17.9
Art. Nr.	71-335
Ref. Tornos	AS 1265



Vorschubzange

üblich als Satz von 6/8 Stk geliefert

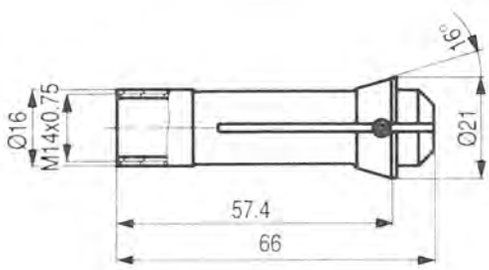
Typ	A17.9
Art. Nr.	71-213
Ref. Tornos	AS 12245-2



Vorschubzangen-Körper

üblich als Satz von 6/8 Stk geliefert

Typ	F16
Art. Nr.	76-830
Ref. Tornos	AS 621025



Abgreifspindel-Zange

Vorschub-Spannbacken aus Bronze oder HM Lieferbar



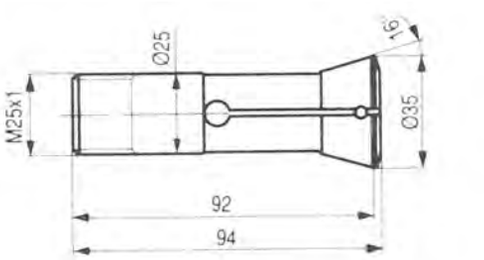


Zangen für Tornos Mehrspindler

Spannzangen für SAS16

Zusammenfassung der Zangen zu Tornos SAS16

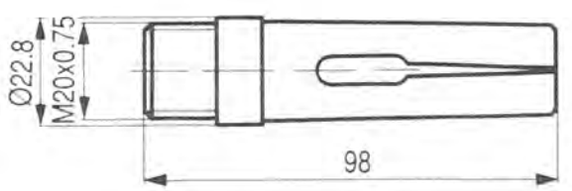
Typ	W25
Art. Nr.	80-1923
Ref. Tornos	AS 12607



Spindelzange

üblich als Satz von 6/8 Stk geliefert

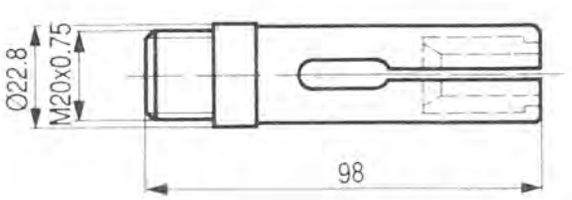
Typ	A22.8
Art. Nr.	71-1922
Ref. Tornos	AS 12611



Vorschubzange

üblich als Satz von 6/8 Stk geliefert

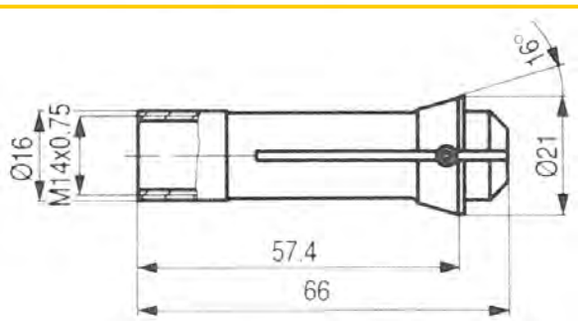
Typ	A22.8
Art. Nr.	71-2011
Ref. Tornos	A 138997



Vorschubzangen-Körper

üblich als Satz von 6/8 Stk geliefert

Typ	F16
Art. Nr.	76-830
Ref. Tornos	AS 621025



Abgreifspindel-Zange

Vorschub-Spannbacken aus Bronze oder HM Lieferbar





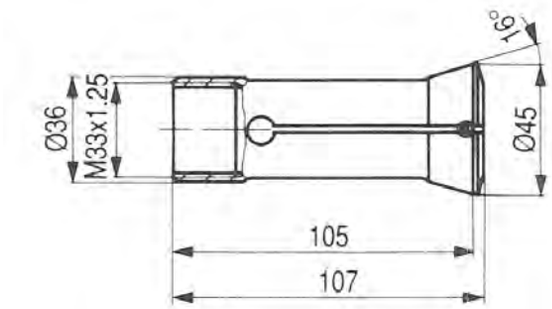
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Zangen für Tornos Mehrspindler

Spannzangen für BS20

Zusammenfassung der Zangen zu Tornos BS 20

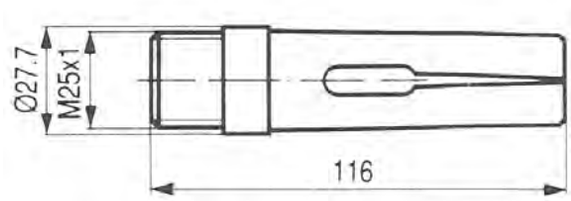
Typ	**P36**
Art. Nr.	**78-2007**
Ref. Tornos	**BS 12367**



Spindelzange

üblich als Satz von 6/8 Stk geliefert

Typ	**A27.7**
Art. Nr.	**71-2000**
Ref. Tornos	**BS 12369**



Vorschubzange

üblich als Satz von 6/8 Stk geliefert

Vorschub-Spannbacken aus Bronze oder HM Lieferbar



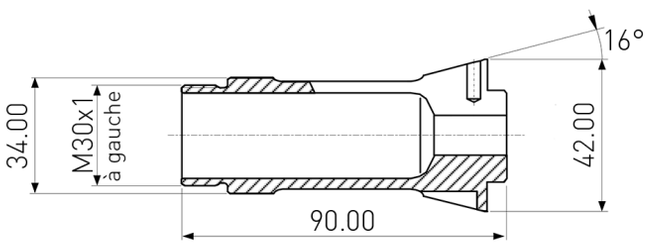


Zangen für Tornos Mehrspindler

Spannzangen für MultiDeco - MultiSigma

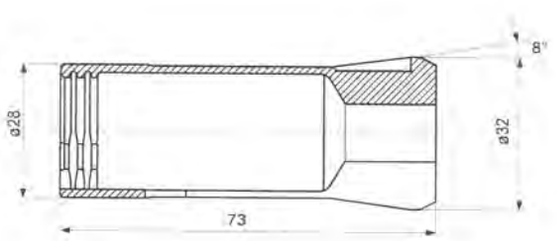
Zusammenfassung der Zangen zu Tornos MultiDeco 20/6 & 20/8

Typ **B34**
Art. Nr. **72-1820**



Spindelzange

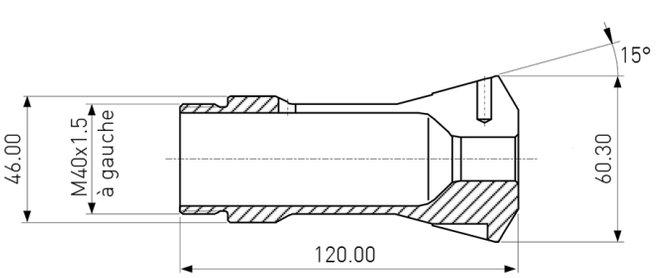
Typ **PR28**
Art. Nr. **78-2013**



Abgreifspindel-Zange

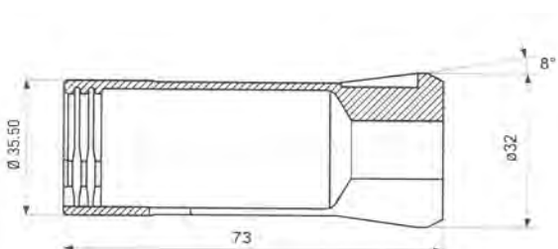
Zusammenfassung der Zangen zu Tornos MultiDeco 26/6 & 32/6 - MultiSigma / MultiAlpha 28/8

Typ **B46**
Art. Nr. **72-2007**



Spindelzange

Typ **PR35.5**
Art. Nr. **78-2012**



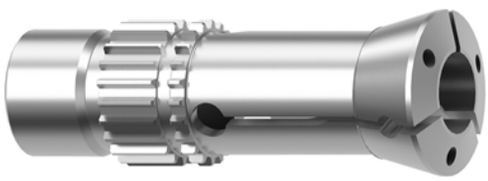
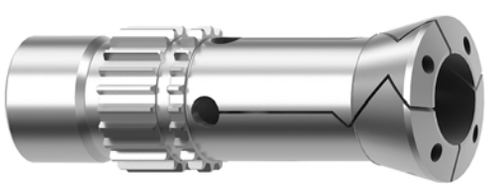
Abgreifspindel-Zange

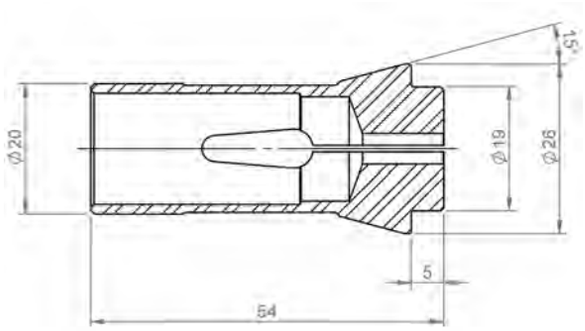
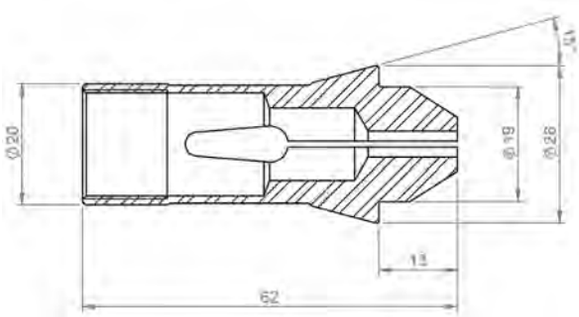
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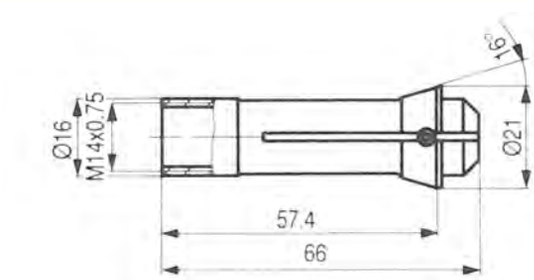
Zangen für Tornos Mehrspindler

Spannzangen für MultiSwiss

Zusammenfassung der Zangen zu Tornos MultiSwiss

Typ Art. Nr.	MultiSwiss multiswiss-Ø		Spindelzange aus Stahl
Typ Art. Nr.	MultiSwiss multiswiss-Ø		Spindelzange mit HM-Bohrung
Typ Art. Nr.	MultiSwiss multiswiss-Ø		Spindelzange mit Z Schlitze

Typ Art. Nr.	F20/201 76-201	Kurze Nase		Abgreifspindel- Zange
Typ Art. Nr.	F20/2016 76-2016	Lange Nase		Abgreifspindel- Schnabelzange

Typ Art. Nr.	F16 76-830		Zange für Kontrolliertem Vorschub.

Schaublin Programm

Komplettes Schaublin Programm

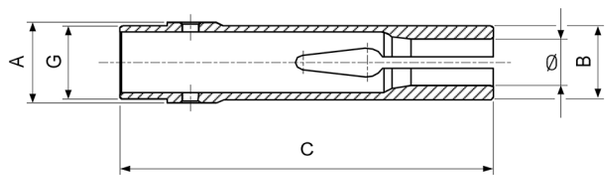
Das ganze Schaublin Programm ist bei uns erhältlich. Bestellen Sie uns das Katalog aus Papier oder beziehen Sie sich auf der QR code.

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Schaublin Programm

Vorschubzangen Typ A



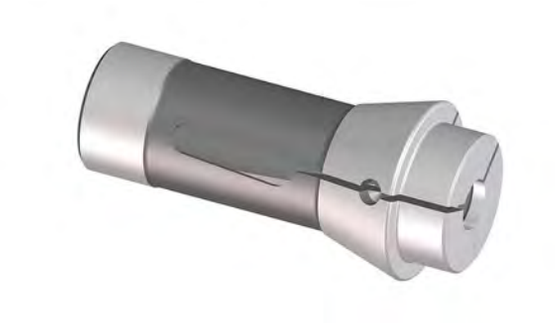


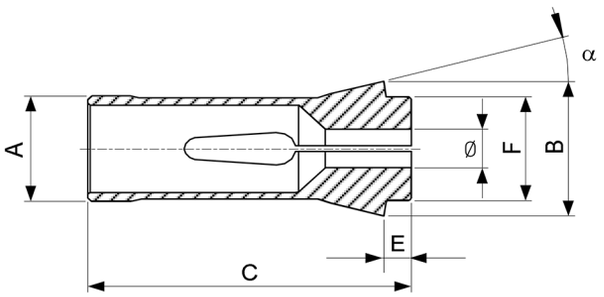
- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.
- 13) Vorschubzangen-Körper
- 26) auf Anfrage

Artikel Nr	A	B	C	G	Ø von - bis	6-Kt	4-Kt
A17.9							
71-335	17.90	17.50	70.00	M16x0.75	1.50-14.00	2.00-12.00	
13) 71-213	17.90	17.50	70.00	M16x0.75			
A22.8							
71-1922	22.80	20.50	98.00	M20x0.75	2.50-17.00	3.00-14.00	
13) 71-2011	22.80	20.50	98.00	M20x0.75			
A25							
71-2018	25.00	25.00	90.00	M24x1.00	3.00-20.00	3.00-17.00	
A27.7							
71-2000	27.70	25.30	116.00	M25x1.00	2.00-21.00	2.00-18.20	2.00-14.90
A35							
26) 71-2019	35.00	33.00	118.00	M33x1.50	3.00-26.00	3.00-23.00	

Schaublin Programm

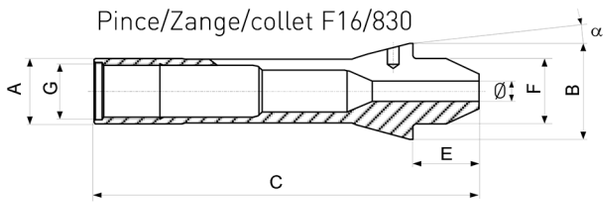
Druckspannzangen Typ F





Dichtgummi für Spannzangen auf Seiten 1.75-1.76

- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.
- 26) auf Anfrage



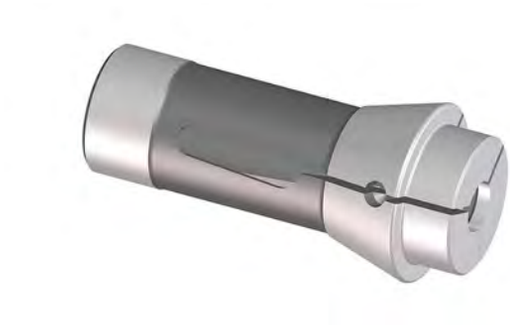
SCHAUBLIN

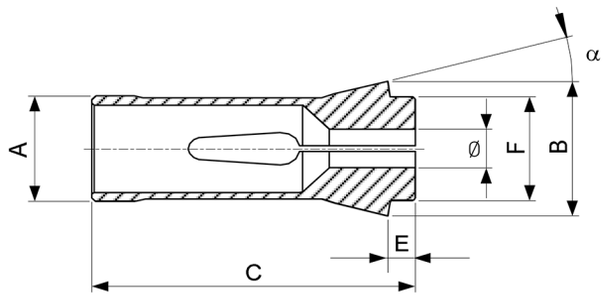
Artikel Nr	A	B	C	E	F	G	α	Ø von - bis	6-Kt	4-Kt
F4.5										
76-76	4.50	6.75	17.25	1.80	4.50	-	15°	0.30-4.00		
F6										
76-599	6.00	10.00	30.00	3.00	6.00	-	15°	0.30-4.50		
F7										
76-66	7.00	10.70	26.00	2.90	7.00	-	15°	0.30-5.00		
76-206	7.00	10.50	26.00	3.00	7.00	-	15°	0.30-5.50		
F8										
76-577	8.00	12.00	42.00	4.50	8.00	-	16°	0.30-6.35		
76-1844	8.00	11.00	19.00	2.00	8.00	-	15°	0.30-6.50		
F10										
76-86	10.00	15.50	47.50	5.50	10.00	-	20°	0.30-8.00	1.00-6.50	1.00-5.00
76-1178	10.00	16.00	46.00	4.00	10.00	-	20°	0.30-7.00		
F12										
76-78	12.00	18.10	44.50	4.30	12.00	-	15°	0.30-10.00	1.00-8.50	1.00-7.00
76-578	12.00	18.00	64.00	6.00	12.00	-	16°	0.30-10.00		
F13										
76-357	13.00	19.00	64.00	6.00	13.00	-	16°	0.30-10.00	1.00-8.00	1.00-7.00
F14										
76-98	14.00	18.00	46.00	4.00	14.00	-	13°	0.30-11.20	1.00-9.70	1.00-8.00
F15										
76-358	15.00	22.00	47.00	5.00	15.00	-	20°	0.30-11.11	1.00-9.52	1.00-7.54
76-580	15.00	21.00	64.00	6.00	15.00	-	16°	0.30-12.70	1.00-11.00	1.00-9.00
F16										
76-104	16.00	22.00	55.00	5.00	16.00	-	15°	0.30-13.00	1.00-11.30	1.00-9.20
76-1076	16.00	21.00	64.00	6.00	16.00	-	16°	0.30-13.00	1.00-11.30	1.00-9.20
76-830	16.00	21.00	66.00	8.00	16.00	M14x0.75	16°	0.30-13.00	1.00-11.30	1.00-9.20

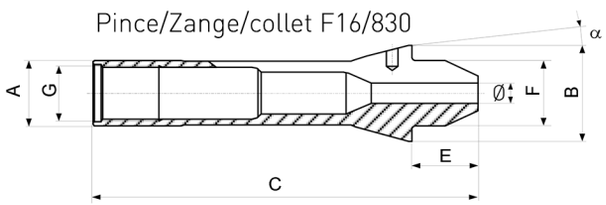
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Druckspannzangen Typ F — Folge...







Artikel Nr	A	B	C	E	F	G	α	Ø von - bis	6-Kt	4-Kt
F20										
76-87	20.00	28.00	67.00	7.00	21.00	-	16°	0.50-17.00	1.00-14.00	1.00-11.50
76-201	20.00	26.00	54.00	5.00	19.00	-	15°	0.50-16.50	1.00-14.00	1.00-12.00
F22										
76-71	22.00	30.00	55.00	6.00	21.00	-	15°	0.50-17.00	1.00-14.50	1.00-12.00
F25										
76-64	25.00	35.00	77.00	10.00	27.00	-	16°	0.50-21.00	1.00-18.00	1.00-15.00
F26										
26) 76-90	26.00	32.00	67.00	7.00	27.50	-	13°			
F27										
76-22	27.00	38.00	72.70	8.00	30.00	-	15°	0.50-23.00	1.00-20.00	1.00-16.00
F28										
76-93	28.00	38.00	70.00	7.00	28.00	-	15°	0.50-23.00	1.00-20.00	1.00-16.00
F30										
76-63	30.00	42.00	80.00	10.00	34.00	-	16°	0.50-26.00	1.00-22.22	1.00-18.00
76-101	30.00	38.00	65.00	6.00	32.00	-	15°	0.50-26.00	1.00-22.50	1.00-18.00
F32										
76-221	32.00	45.00	75.00	8.00	34.00	-	15°	1.00-27.00	2.00-23.00	2.00-19.00
F35										
76-94	35.00	48.00	80.00	8.00	38.00	-	15°	1.00-30.00	2.00-26.00	2.00-21.00
F37										
76-740	37.00	47.00	92.00	10.00	40.00	-	16°	1.00-32.00	2.00-27.70	2.00-22.60
F38										
76-72	38.08	49.00	107.50	9.00	38.00	-	15°	1.00-32.00	2.00-27.00	2.00-22.00
F42										
76-99	42.00	55.00	94.00	9.00	42.00	-	15°	1.00-36.00	2.00-31.00	2.00-25.00
F48										
76-81	48.00	60.00	94.00	9.00	50.00	-	15°	1.00-42.00	2.00-36.00	2.00-30.00
F66										
76-359	66.00	84.00	110.00	9.00	73.00	-	15°	3.97-60.00	3.97-52.00	3.97-42.00

Schaublin Programm

Schnabelspannzangen Typ F

Les dessins correspondants aux pinces se trouvent sur la page suivantes

Entsprechende Zeichnungen auf weitere Seite

You find the corresponding collet's drawings on the next page

Dichtgummi für Spannzangen auf Seiten 1.75-1.76

- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

Artikel Nr	A	B	C	E	F	G	α	Ø von - bis	6-Kt	4-Kt	Fig.
F8 (577)											
76-2024	8.00	12.00	47.50	10.00	8.00	M6x0.50	16°	0.30-4.50			2
F10 (86)											
76-2021	10.00	15.50	52.00	10.00	10.00	M8x0.50	20°	0.30-7.00	1.00-6.00	1.00-5.00	1
F13 (357)											
76-2014	13.00	19.00	70.00	12.00	13.00	M11x0.75	16°	0.30-8.00	1.00-7.00	1.00-5.70	1
F15 (580)											
76-2022	15.00	21.00	71.00	13.00	15.00	-	16°	0.30-11.11	1.00-9.60	1.00-7.80	3
F16 (1076)											
76-2015	16.00	21.00	71.00	13.00	16.00	M14x0.75	16°	0.30-12.00	1.00-10.40	1.00-8.50	1
F20 (201)											
76-2016	20.00	26.00	62.00	13.00	19.00	M18x1.00	15°	0.50-15.00	1.00-13.00	1.00-10.60	4
F20 (87 LN15)											
76-2017	20.00	28.00	75.00	15.00	21.00	-	16°	0.50-16.00	1.00-13.90	1.00-11.30	5
F20 (87 LN 20)											
76-2027	20.00	28.00	80.00	20.00	21.00	-	16°	0.50-9.00			5
F25 (64)											
76-2018	25.00	35.00	85.00	18.00	27.00	M22x1.00	16°	0.50-20.00	1.00-17.00	1.00-14.00	6
F27 (22)											
76-2040	27.00	38.00	83.00	18.30	30.00	-	15°	0.50-23.00	1.00-19.05	1.00-15.50	7
F30 (101)											
76-2019	30.00	38.00	79.00	20.00	32.00	-	15°	0.50-25.40	1.00-22.00	1.00-18.00	3
F35 (2010)											
76-2013	35.00	43.00	90.00	27.00	34.00	-	15°	2.00-27.70			7
F38 (72)											
76-2004	38.08	49.00	123.00	24.50	38.00	-	15°	1.00-32.00	2.00-27.70	2.00-22.60	5
F48 (81)											
76-2006	48.00	60.00	113.00	28.00	50.00	-	15°	2.00-42.00	2.00-36.00	2.00-29.50	5

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Schnabelspannzangen Typ F - Zeichnungen

Fig. 1

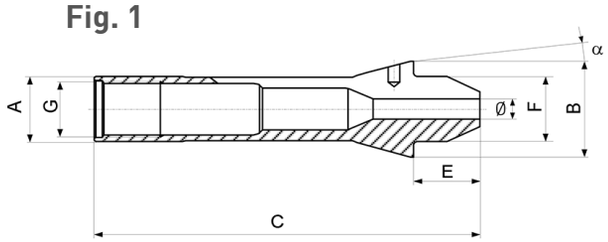


Fig. 2

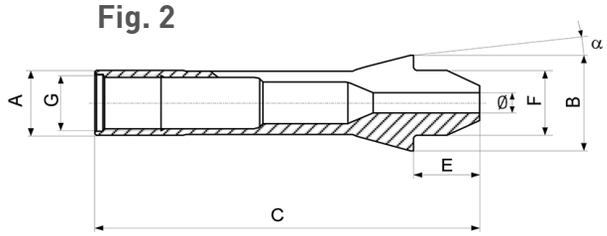


Fig. 3

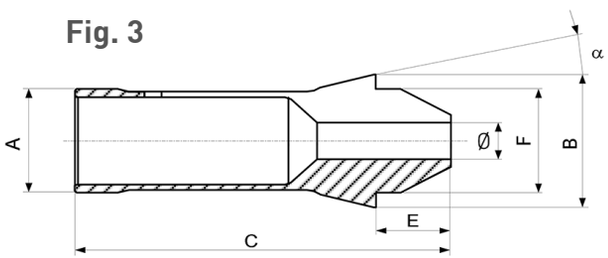


Fig. 4

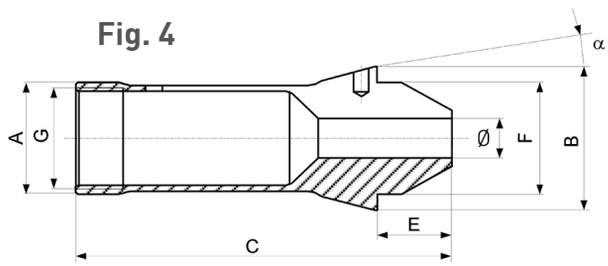


Fig. 5

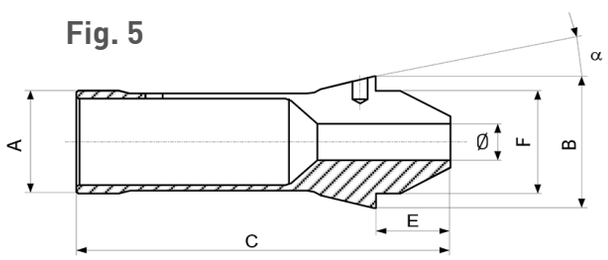


Fig. 6

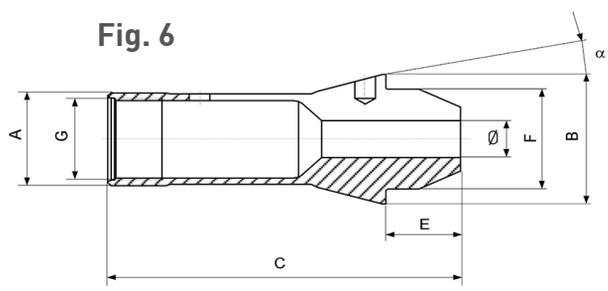
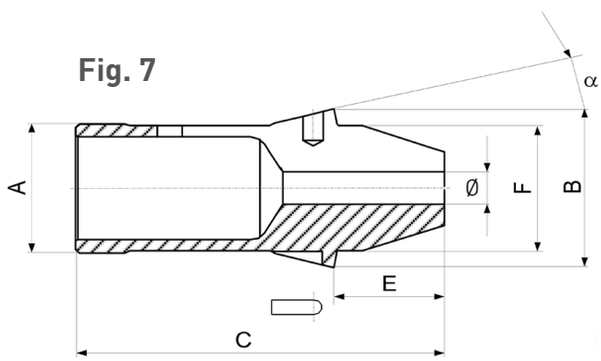


Fig. 7



Schaublin Programm

Spannzangen zum Erodieren

Fig. 1

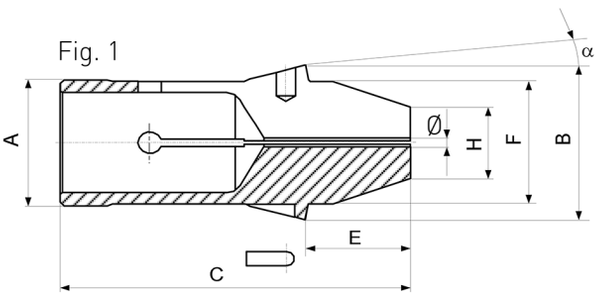
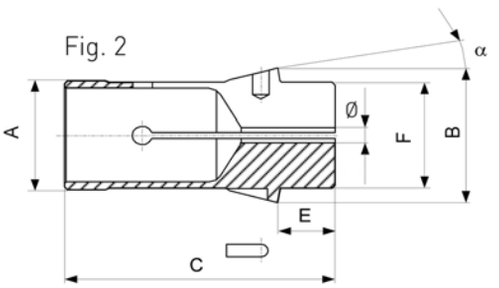


Fig. 2



Dichtgummi für Spannzangen auf Seiten 1.75-1.76

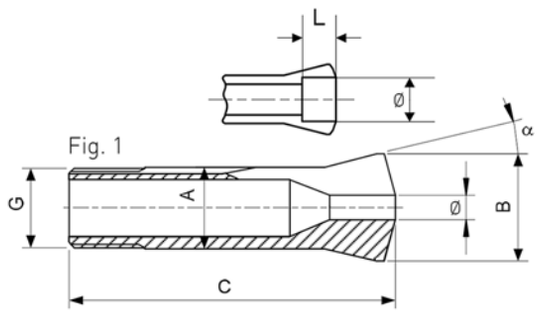
- 23) Bei Bestellung Schnabeldurchmesser "H" angeben

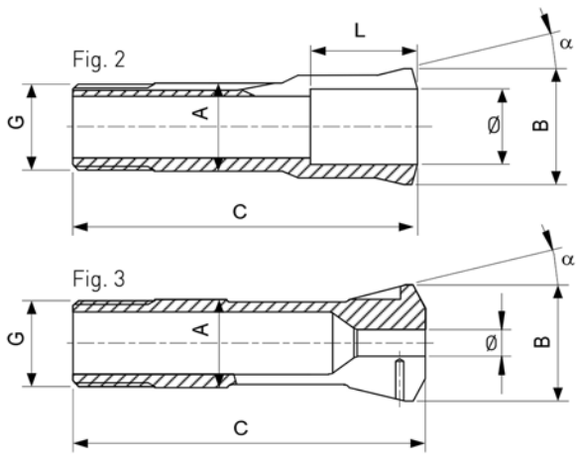
Artikel Nr	A	B	C	E	F	H	α	Ø von - bis	Fig.
F35									
23) 76-2011	35.00	43.00	90.00	27.00	34.00	12.00	15°	2.50 roh	1
76-2011	35.00	43.00	90.00	27.00	34.00	20.00	15°	2.50 roh	1
76-2012	35.00	43.00	80.00	17.00	34.00	-	15°	5.00 roh	2

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Zugspannzangen Typ W





Dichtgummi für Spannzangen auf Seiten 1.75-1.76

- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.
- 20) Keine Standardabmessung, siehe Artikel 80-107
- 21) Keine Standardabmessung, siehe Artikel 80-700

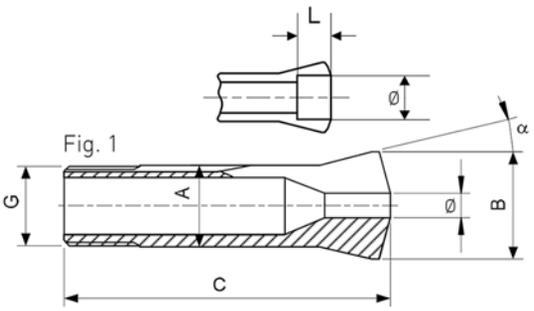
SCHAUBLIN

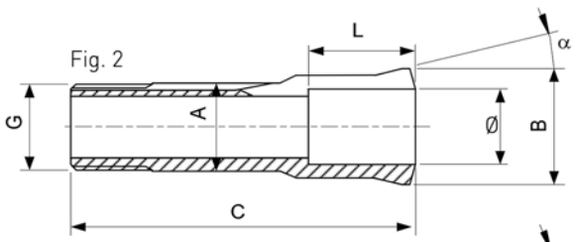
Typ	A	B	C	G	α	Ø von - bis	L	Fig.
W10								
80-1	10.00	14.00	43.60	Ø9.83x0.833/45°/5°	15°	0.30-6.70	-	1
						6.71-8.00	15.00	1
						8.01-8.50	6.00	1
						8.51-9.00	5.00	1
						9.01-9.50	4.00	1
						9.51-10.00	3.00	1
W12								
80-2	12.00	16.00	46.00	Ø11.75x1.25/45°/5°	15°	0.30-8.00	-	1
						8.01-10.00	17.00	1
						10.01-10.50	6.00	1
						10.51-11.00	5.00	1
						11.01-11.50	4.00	1
						11.51-12.00	3.00	1
						12.01-12.50	2.00	1
W15								
80-3	15.0	20.20	58.30	Ø14.75x1.25/45°/5°	15°	0.30-10.70	-	1
						10.71-12.70	22.00	1
						12.71-13.00	9.50	1
						13.01-13.50	8.50	1
						13.51-14.00	7.50	1
						14.01-14.50	6.50	1
						14.51-15.00	5.50	1
						15.01-15.50	4.50	1
						15.51-16.00	3.50	1
W20								
80-4	20.00	26.30	73.00	Ø19.70x1.666/45°/5°	15°	0.30-14.50	-	1
						14.51-16.00	28.00	1
20)						16.01-16.50	13.50	1
20)						16.51-17.00	13.00	1
20)						17.01-17.50	12.20	1
20)						17.51-18.00	11.50	1

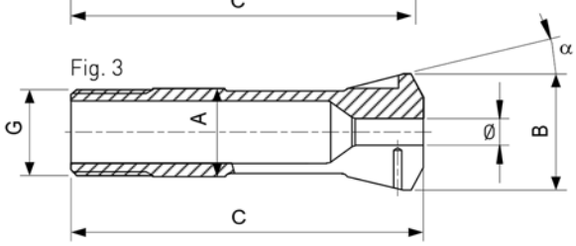
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Zugspannzangen Typ W

Folge...







Typ	A	B	C	G	α	Ø von - bis	L	Fig.
W20								
20) 80-4	20.00	26.30	73.00	Ø19.70x1.666/45°/5°	15°	18.01-18.50	10.70	1
20)						18.51-19.00	10.00	1
20)						19.01-19.50	8.70	1
20)						19.51-20.00	7.50	1
						20.01-20.50	6.50	1
						20.51-21.00	5.50	1
						21.01-21.50	4.70	1
						21.51-22.00	4.00	1
						22.01-22.50	3.00	1
						22.51-23.00	2.00	1
80-107	20.00	26.30	73.00	Ø19.70x1.666/45°/5°	15°	16.01-20.00	24.00	2
W25								
80-5	25.00	33.70	97.60	Ø24.70x1.693/45°/5°	15°	0.30-19.05	-	1
						19.06-21.00	35.00	1
21)						21.01-21.50	16.50	1
21)						21.51-22.00	16.00	1
21)						22.01-23.00	15.50	1
21)						23.01-23.50	15.00	1
21)						23.51-24.00	14.50	1
21)						24.01-24.50	13.50	1
21)						24.51-25.00	12.50	1
21)						25.01-25.40	11.50	1
						25.41-25.50	11.50	1
						25.51-26.00	10.50	1
						26.01-26.50	9.50	1
						26.51-27.00	8.50	1
						27.01-27.50	7.50	1
						27.51-28.00	6.50	1
						28.01-28.50	5.50	1
						28.51-29.00	4.50	1
80-700	25.00	33.70	97.60	Ø24.70x1.693/45°/5°	15°	21.01-25.40	30.00	2
80-1923	25.00	35.00	94.00	M25x1	16°	0.50-17.00	-	3
W31.75								
80-842	31.75	37.40	87.00	Ø31.40x1.27/60°	10°3'	0.50-25.19	-	1
						25.20-27.99	40.00	1
						28.00-28.99	10.00	1

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Zugspannzangen Typ W — Folge...

Fig. 1

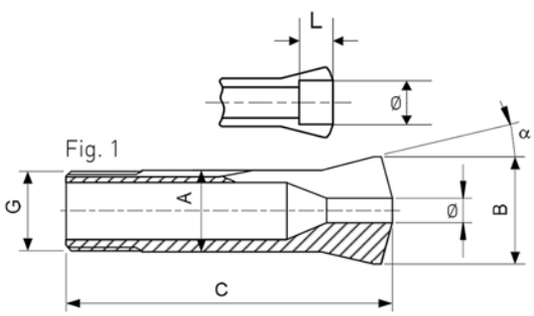


Fig. 2

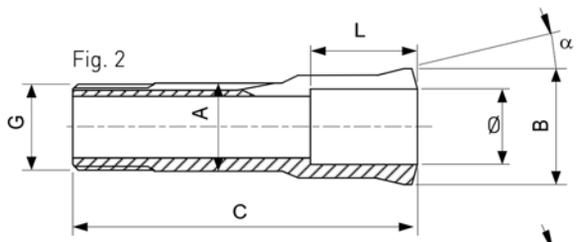
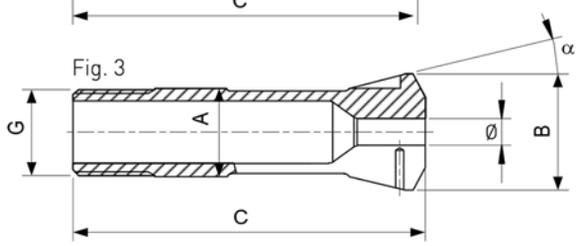


Fig. 3



Typ	A	B	C	G	α	Ø von - bis	L	Fig.
W31.75								
80-842	31.75	37.40	87.00	Ø31.40x1.27/60°	10°3'	29.00-29.99	7.00	1
						30.00-31.00	4.00	1

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Schnabelspannzangen Typ W

Fig. 1

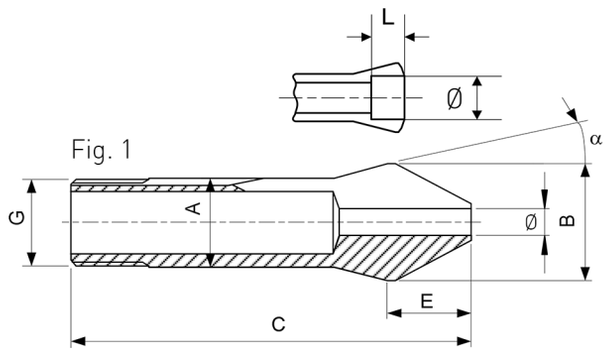
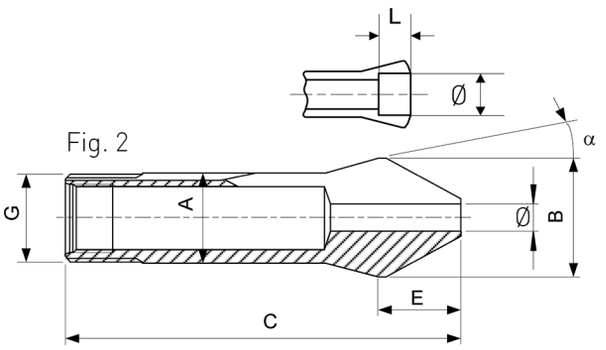


Fig. 2



Dichtgummi für Spannzangen auf Seiten 1.75-1.76

- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

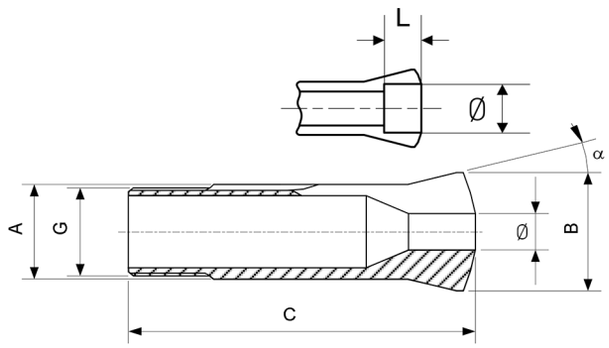
Typ	A	B	C	E	G	α	Ø von - bis	L	Fig.
W12									
80-93108	12.00	16.00	52.00	8.80	Ø11.75x1.25/45°/5°	15°	0.30-8.00	-	1
							8.01-10.00	24.00	1
W15									
80-93285	15.00	20.20	67.00	12.00	Ø14.75x1.25/45°/5°	15°	0.30-10.20	-	1
							10.21-12.70	32.00	1
W20									
80-92744	20.00	26.30	84.50	15.50	Ø19.70x1.666/45°/5°	15°	0.30-13.00	-	1
							13.01-16.00	41.00	1
W25									
80-92872	25.00	33.70	112.20	19.70	Ø24.70x1.693/45°/5°	15°	0.30-19.05	-	1
							19.06-21.00	50.00	1
W31.75									
80-2007	31.75	37.40	108.70	25.40	Ø31.40x1.27/60°	10°3'	0.30-25.19	-	2
							25.20-28.00	64.00	2

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Zugspannzangen Typ B





Dichtgummi für Spannzangen auf Seiten 1.75-1.76

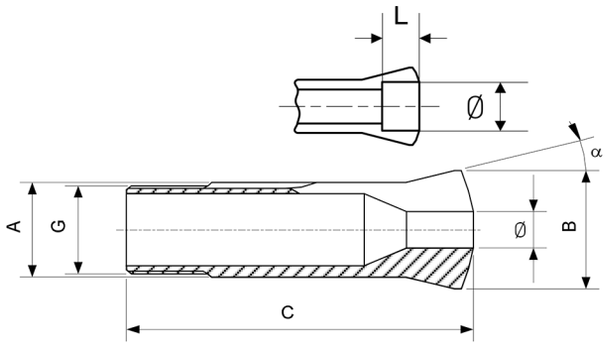
- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

Typ	A	B	C	G	α	Ø von - bis	L
B6							
72-128	6.00	10.50	31.30	Ø5x0.706/55°	20°	0.30-3.00	-
						3.01-4.50	12.00
						4.51-5.00	4.50
						5.01-5.50	4.00
						5.51-6.00	3.50
B8							
72-137	8.00	13.00	35.50	Ø6.82x0.625/55°	20°	0.30-4.00	-
						4.01-6.50	13.00
						6.51-7.00	6.00
						7.01-7.50	5.00
						7.51-8.00	4.00
						8.01-8.50	3.20
						8.51-9.00	2.50
						9.01-9.50	1.70
						9.51-10.00	1.00
B15							
72-139	15.00	21.00	55.00	M13x1.00	20°	0.30-9.50	-
						9.51-12.50	20.00
						12.51-13.00	8.50
						13.01-13.50	7.70
						13.51-14.00	7.00
						14.01-14.50	6.50
						14.51-15.00	6.00
B32							
72-65	32.00	40.00	106.00	Ø29.70x1.693/45°/5°	15°	0.30-24.00	-
						24.01-28.00	44.00
						28.01-30.00	12.00
						30.01-32.00	8.00
B45							
72-199	45.00	53.00	115.00	M42x1.5	15°	1.00-36.00	-
						36.01-40.99	53.00
72-199	45.00	53.00	115.00	M42x1.5	15°	41.00-41.99	14.00
						42.00-42.99	12.00
						43.00-43.99	10.00

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Zugspannzangen Typ B — Folge...





Typ	A	B	C	G	α	Ø von - bis	L
B45							
72-199	45.00	53.00	115.00	M42x1.5	15°	44.00-45.00	8.00

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Schnabelspannzangen Typ B

Fig. 1

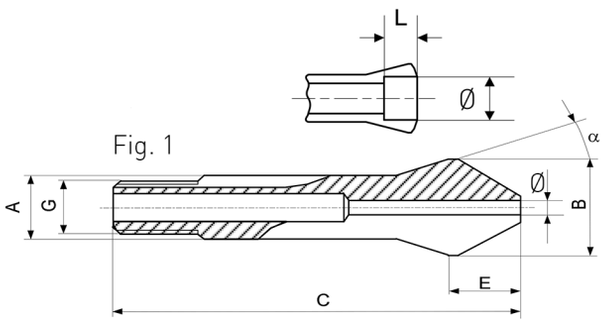
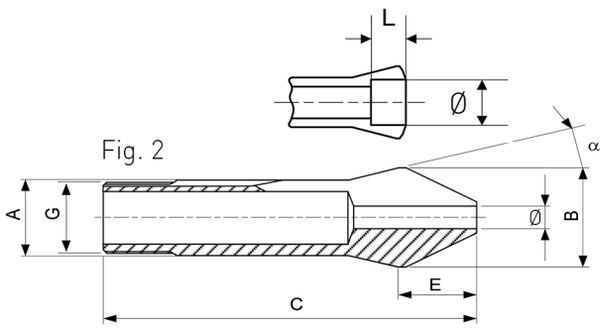


Fig. 2



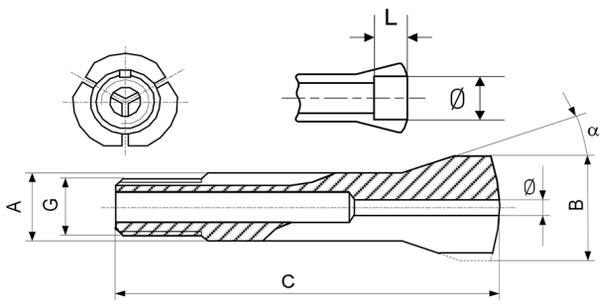
Dichtgummi für Spannzangen auf Seiten 1.75-1.76

- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

Typ	A	B	C	E	G	α	Ø von - bis	L	Fig.
B8									
72-95	8.00	13.00	40.50	7.00	Ø6.82x0.625/55°	20°	0.30-3.30	-	1
							3.31-6.50	21.00	1
B32									
72-2003	32.00	40.00	124.00	24.00	Ø29.70x1.693/45°/5°	15°	0.30-24.00	-	2
							24.01-28.00	64.00	2

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Schnabelzangen Typ B mit Spannflächen



Dichtgummi für Spannzangen auf Seiten 1.75-1.76

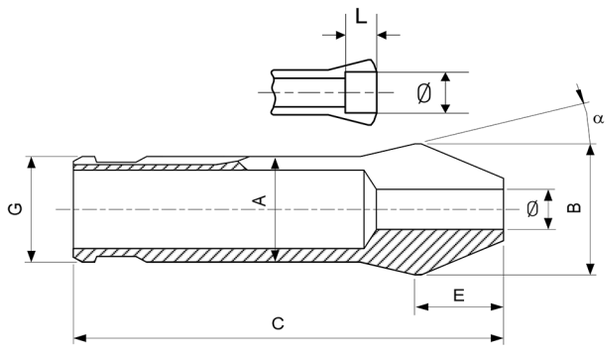
- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.
- 26) = auf Anfrage

Typ	A	B	C	G	α	Ø von - bis	L
B6							
26) 72-1897	6.00	9.00	31.30	Ø5x0.706/55°	20°	0.30-3.00	-
						3.01-4.50	12.00
						4.51-5.00	4.50
						5.01-5.50	4.00
						5.51-6.00	3.50
B8							
26) 72-1898	8.00	13.00	35.50	Ø6.82x0.625/55°	20°	0.30-4.00	-
						4.01-6.50	12.50
						6.51-7.00	6.00
						7.01-7.50	5.00
						7.51-8.00	4.00

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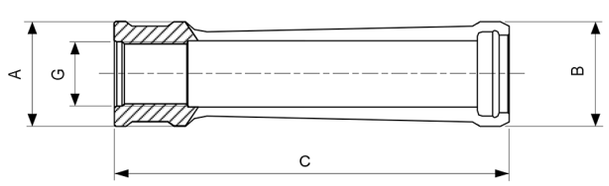
Zugspannzangen Typ BCR



- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.
- 26) auf Anfrage

Typ	A	B	C	E	G	α	Ø von - bis	L
BCR32								
72-93235	32.00	40.00	117.00	24.00	32.00	15°	0.30-24.00	-
							24.01-28.00	64.00
26) 72-93416	32.00	40.00	117.00	24.00	32.00	15°	Morse DIN228-MK1	-
26) 72-93417	32.00	40.00	117.00	24.00	32.00	15°	Morse DIN228-MK2	-
26) 72-93418	32.00	40.00	117.00	24.00	32.00	15°	Morse DIN228-MK3	-

Zugspannzange für BCR

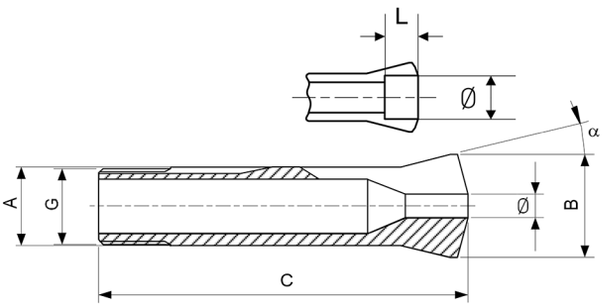


Artikel Nr	A	B	C	G
D40				
74-60039	40.00	40.00	133.00	M24x1.5

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Zugspannzangen Typ L





- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

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Typ	A	B	C	G	α	Ø von - bis	L
L20							
77-122	20.00	28.00	122.00	Ø19.70x2/45°/5°	17°30'	0.30-13.00	-
						13.01-17.50	59.00
						17.51-18.00	12.00
						18.01-18.50	11.00
						18.51-19.00	10.00
						19.01-19.50	9.00
						19.51-20.00	8.00
						20.01-20.50	7.00
						20.51-21.00	6.50
						21.01-21.50	5.50
						21.51-22.00	4.50

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Zugspannzangen Typ HW für Hydromat Maschinen

Fig. 1

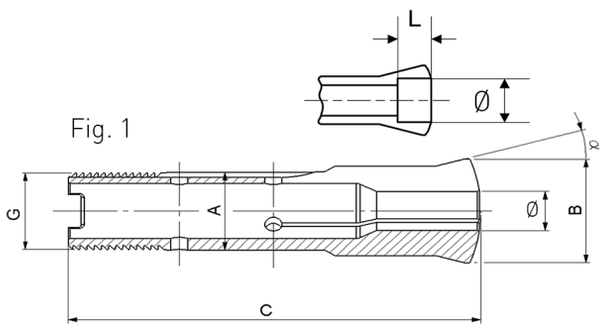
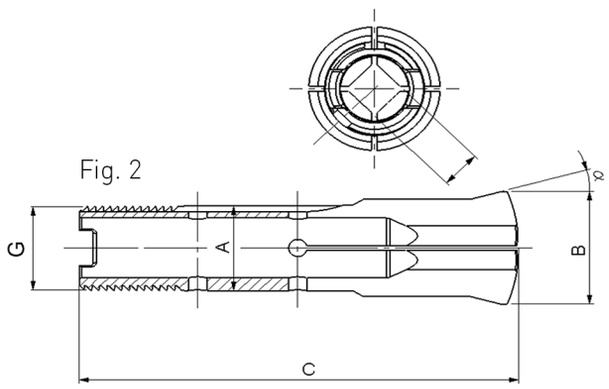


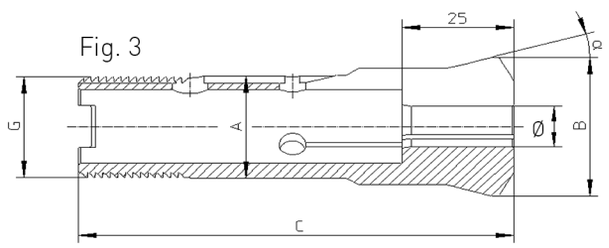
Fig. 2



Spannzange für Hülse
Hülse 85-53300

- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

Fig. 3

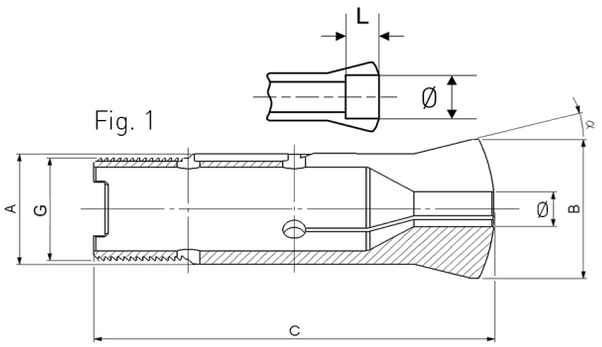


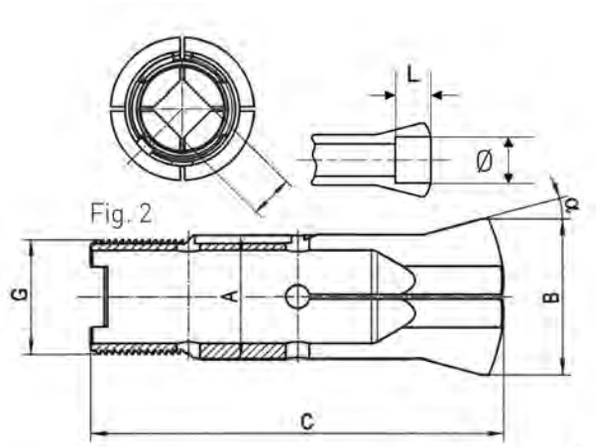
SCHAUBLIN

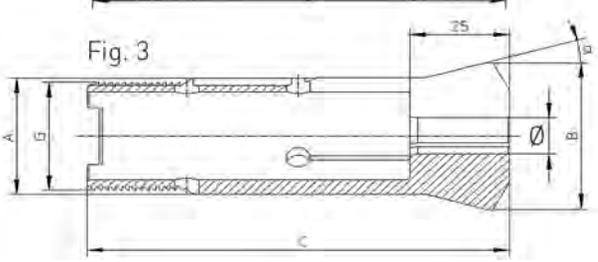
Typ	A	B	C	G	α	Ø von - bis	6-Kt	4-Kt	L	Fig.
HW20										
80-2030	20.00	26.30	96.50	Ø19.7x1.666/45°/5°	15°	0.30-13.79	1.00-11.79	-	-	1
						13.80-20.00	11.80-17.00	-	31.00	1
80-2040	20.00	26.30	96.50	Ø19.7x1.666/45°/5°	15°	-	-	1.00-9.79	-	2
						-	-	9.80-14.00	31.00	2
HW25										
80-2010	25.00	33.70	97.60	Ø24.7x1.693/45°/5°	15°	5.00-15.00		-	-	3
80-2033	25.00	33.70	97.60	Ø24.7x1.693/45°/5°	15°	0.30-17.79	1.00-15.29	-	-	1
						17.80-25.40	15.30-22.00	-	31.00	1
80-2043	25.00	33.70	97.60	Ø24.7x1.693/45°/5°	15°	-	-	3.00-12.59	-	2
						-	-	12.60-19.05	31.00	2

Schaublin Programm

Zugspannzangen Typ HB32 für Hydromat Maschinen







Spannzange für Hülsen
Hülse 85-53310

- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

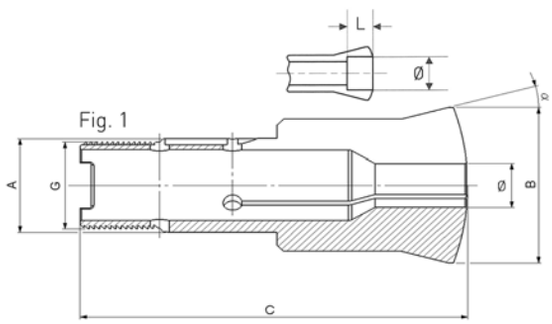
SCHAUBLIN

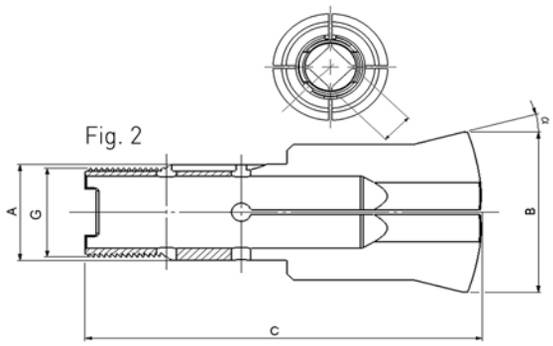
Typ	A	B	C	G	α	Ø von - bis	6-Kt	4-Kt	L	Fig.
HB32										
72-2010	32.00	40.00	106.00	Ø29.7x1.693/45°5°	15°	6.00-20.00	-	-	-	3
72-2030	32.00	40.00	106.00	Ø29.7x1.693/45°5°	15°	3.00-23.79	3.00-20.59	-	-	1
						23.80-27.99	20.60-23.99		44.00	1
						28.00-29.99	24.00-25.49		12.00	1
						30.00-32.00	25.50-27.00		8.00	1
72-2040	32.00	40.00	106.00	Ø29.7x1.693/45°5°	15°		-	3.00-16.99	-	2
								17.00-19.79	44.00	2
								19.80-20.99	12.00	2
								21.00-22.60	8.00	2

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Zugspannzangen Typ HB32/45 für Hydromat Maschinen





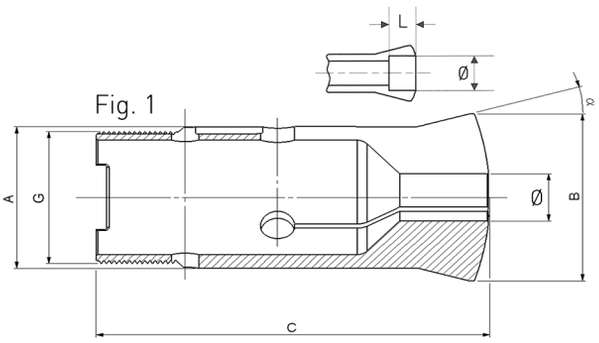
- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

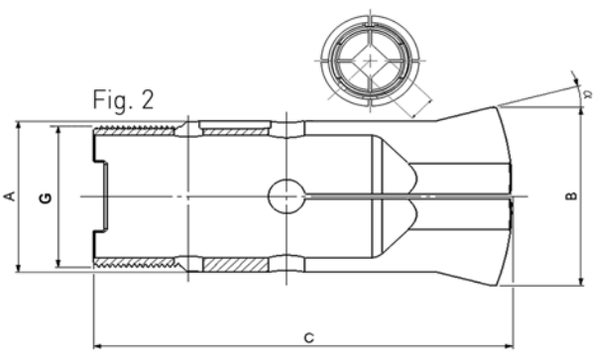
SCHAUBLIN

Typ	A	B	C	G	α	Ø von - bis	6-Kt	4-Kt	L	Fig.
HB32/45										
72-2033	32.00	53.00	122.00	Ø29.7x1.693/45°/5°	15°	3.00-23.79	3.00-20.59		-	1
						23.80-40.99	20.60-34.99		50.00	1
						41.00-41.99	35.00-35.99		14.00	1
						42.00-42.99	36.00-36.99		12.00	1
						43.00-43.99	37.00-37.99		10.00	1
						44.00-45.00	38.00-38.50		8.00	1
72-2043	32.00	53.00	122.00	Ø29.7x1.693/45°/5°	15°			3.00-16.79	-	2
								16.80-28.99	50.00	2
								29.00-29.99	12.00	2
								30.00-30.99	10.00	2
								31.00-31.75	8.0	2

Schaublin Programm

Zugspannzangen Typ HB45 für Hydromat Maschinen





- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

SCHAUBLIN

Typ	A	B	C	G	α	Ø von - bis	6-Kt	4-Kt	L	Fig.
HB45										
72-2036	45.00	53.00	115.00	M42x1.5	15°	3.00-36.00	3.00-31.00		-	1
						36.01-40.99	31.01-34.99		53.00	1
						41.00-41.99	35.00-35.99		14.00	1
						42.00-42.99	36.00-36.99		12.00	1
						43.00-43.99	37.00-37.99		10.00	1
						44.00-45.00	38.00-38.50		8.00	1
72-2046	45.00	53.00	115.00	M42x1.5	15°			3.00-25.40	-	2
								25.41-28.99	53.00	2
								29.00-29.99	12.00	2
								30.00-30.99	10.00	2
								31.00-31.75	8.00	2

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Zugspannzangen Typ P

Fig. 1

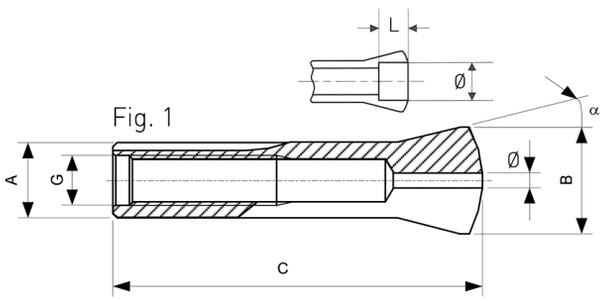
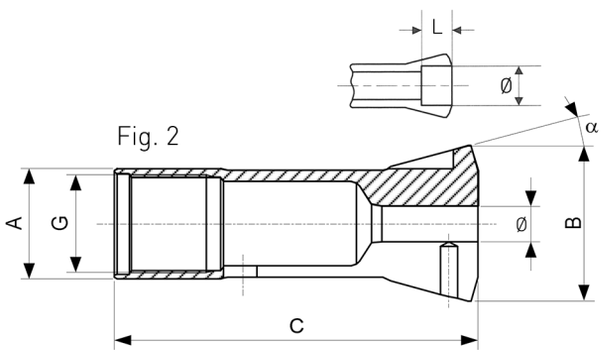


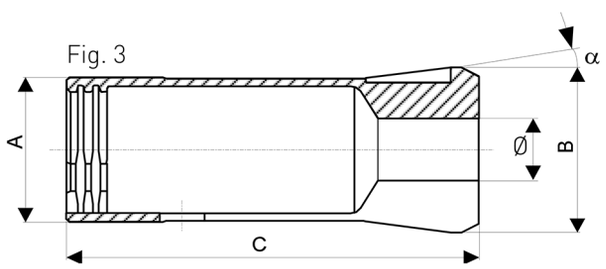
Fig. 2



- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

Dichtgummi für Spannzangen auf Seiten 1.75-1.76

Fig. 3



SCHAUBLIN

Typ	A	B	C	G	α	Ø von - bis	L	Fig.
P4.5								
78-153	4.50	6.75	22.90	M3.35	15°	0.30-2.50	-	1
						2.51-3.00	8.50	1
						3.01-4.00	4.00	1
						4.01-4.50	3.00	1
P5								
78-154	5.00	7.00	22.90	M3.50	15°	0.30-2.70	-	1
						2.71-3.00	8.50	1
						3.01-3.50	12.00	1
						3.51-4.00	4.00	1
						4.01-4.50	3.00	1
						4..51-5.00	2.00	1
P6								
78-150	6.00	8.50	27.20	M4.00	15°	0.30-3.20	-	1
						3.21-4.50	11.50	1
						4.51-5.00	4.50	1
78-155	6.00	8.50	24.10	M4.00	20°	0.30-3.20	-	1
						3.21-4.50	8.50	1
						4.51-5.00	3.50	1
P9								
78-157	9.00	13.20	39.30	M6.00	15°	0.30-4.70	-	1
						4.71-7.00	12.00	1
						7.01-8.00	7.00	1
						8.01-9.00	5.00	1
P10								
78-228	10.00	14.00	39.00	M7.00	15°	0.30-5.70	-	1
						5.71-8.00	21.50	1
						8.01-8.50	6.00	1

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Zugspannzangen Typ P — Folge...

Fig. 1

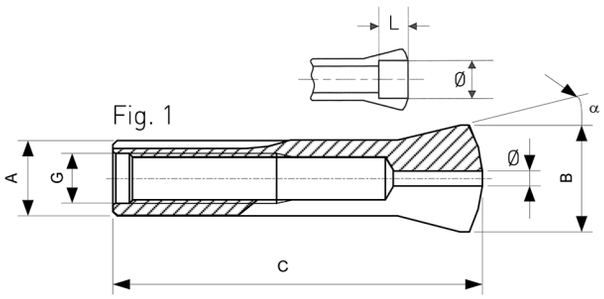


Fig. 2

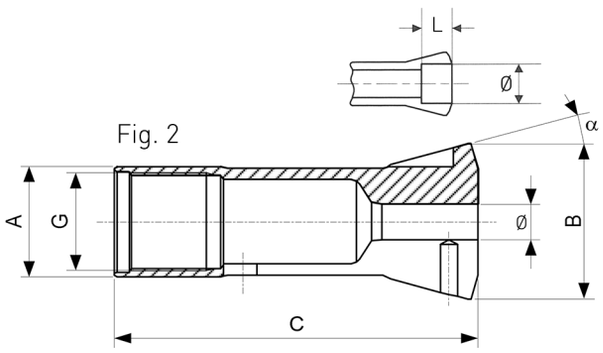
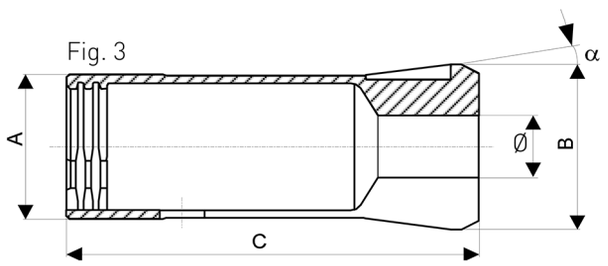


Fig. 3



Typ	A	B	C	G	α	Ø von - bis	L	Fig.
P10								
78-228	10.00	14.00	39.00	M7.00	15°	8.51-9.00	5.00	1
						9.01-9.50	4.00	1
						9.51-10.00	3.00	1
P25								
78-334	25.00	35.00	75.00	M22x1.0	16°	0.50-18.26	-	2
PR28								
78-2013	28.00	32.00	73.00	-	8°	2.00-24.50	-	3
PR35.5								
78-2012	35.50	40.00	80.00	-	8°	2.00-30.00	-	3
P36								
78-2007	36.00	45.00	107.00	M33x1.25	16°	2.00-21.00	-	2

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Notfallspannzangen Typ F

Fig. 1

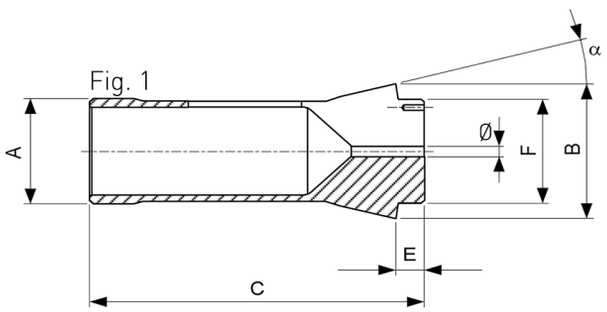
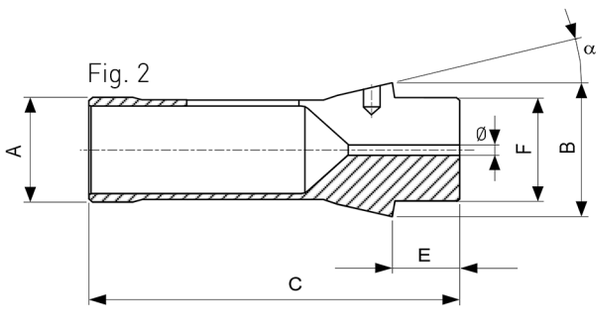


Fig. 2



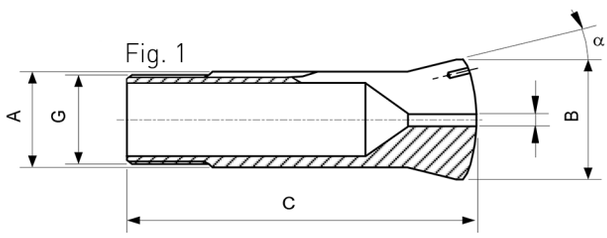
• 1) Solange Vorrat

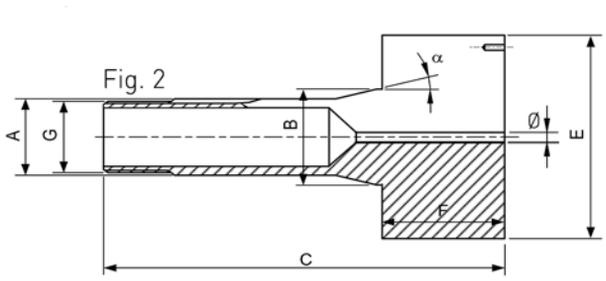
SCHAUBLIN

Artikel Nr	A	B	C	E	F	α	D	Fig.
F13								
76-53002	13.00	19.00	70.00	12.00	13.00	16°	2.00	2
F16 (104)								
76-52438	16.00	22.00	55.00	5.00	16.00	15°	2.00	1
F20 (201)								
76-53003	20.00	26.00	64.00	15.00	19.00	15°	2.50	2
F25								
76-53004	25.00	35.00	85.00	18.00	27.00	16°	3.00	2
F27								
76-52353	27.00	38.00	72.70	8.00	30.00	15°	3.00	1
F30								
76-53005	30.00	38.00	79.00	20.00	32.00	15°	3.00	2
F32								
76-52639	32.00	45.00	75.00	8.00	34.00	15°	3.00	1
F35								
76-52636	35.00	48.00	80.00	8.00	38.00	15°	3.00	1
F37								
76-53006	37.00	47.00	102.00	20.00	40.00	16°	3.00	2
F38								
76-52270	38.00	49.00	107.50	9.00	38.00	15°	3.00	1
F48								
76-52579	48.00	60.00	94.00	9.00	50.00	15°	3.00	1
F64								
1) 76-52480	64.00	78.70	124.00	11.00	66.00	15°	5.00	1
F66								
76-53000	66.00	84.00	110.00	9.00	73.00	15°	5.00	1

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Notfallspannzangen Typ W, B





- 14) Ausführung aus Messing
- 26) Auf Anfrage

SCHAUBLIN

Artikel Nr	A	B	C	Ø	E	F	G	α	Fig.
W12									
80-52200	12.00	16.00	45.60	1.50	-	-	Ø11.75x1.25/45/5	15°	1
14) 80-50315	12.00	16.00	45.60	1.50	-	-	Ø11.75x1.25/45/5	15°	1
W20									
80-50300	20.00	26.30	73.00	2.00	-	-	Ø19.70x1.666/45°/5°	15°	1
14) 80-50314	20.00	26.30	73.00	2.00	-	-	Ø19.70x1.666/45°/5°	15°	1
80-52365	20.00	26.30	105.60	6.00	47.00	35.00	Ø19.70x1.666/45°/5°	15°	2
W25									
80-50294	25.00	33.70	97.60	2.00	-	-	Ø24.70x1.693/45°/5°	15°	1
14) 80-50344	25.00	33.70	97.60	2.00	-	-	Ø24.70x1.693/45°/5°	15°	1
26) 80-53004	25.00	33.70	129.00	6.00	47.00	35.00	Ø24.70x1.693/45°/5°	15°	2
W31.75									
80-52531	31.75	37.40	87.00	2.00	-	-	Ø31.4x1.27/60°	10°3'	1
14) 26) 80-53000	31.75	37.40	87.00	2.00	-	-	Ø31.4x1.27/60°	10°3'	1
B6									
72-53005	6.00	10.50	31.30	1.00	-	-	Ø5x0.706/55°	20°	1
B8									
72-53000	8.00	13.00	35.50	1.20	-	-	Ø6.82x0.625/55°	20°	1
B32									
72-50615	32.00	40.00	106.00	2.00	-	-	Ø29.7x1.693/45°/5°	15°	1
72-52525	32.00	40.00	137.00	6.00	60.00	35.00	Ø29.7x1.693/45°/5°	15°	2
14) 72-52290	32.00	40.00	106.00	2.00	-	-	Ø29.7x1.693/45°/5°	15°	1
B45									
72-53001	45.00	53.00	115.00	3.00	-	-	M42x1.5	15°	1

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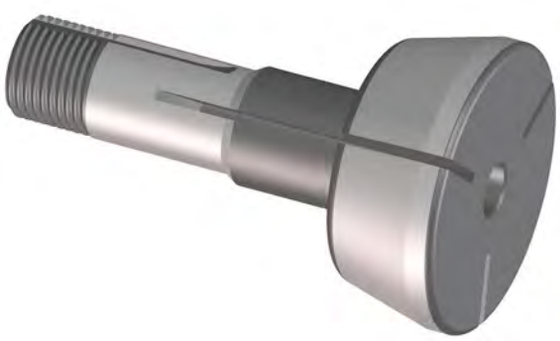
Vorgearbeitete Ringfutter



Siehe Komplettes Schaublin Programm online

SCHAUBLIN

Vorgearbeitete Glockenzangen



Siehe Komplettes Schaublin Programm online

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Geschliffene vorgearbeitete Einsätze Typ W

Fig. 1

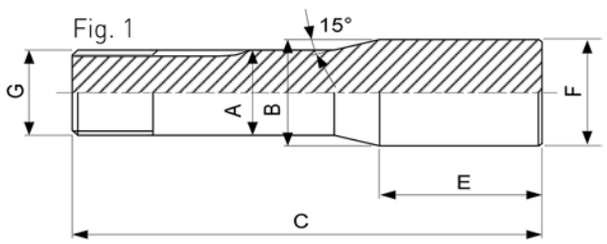
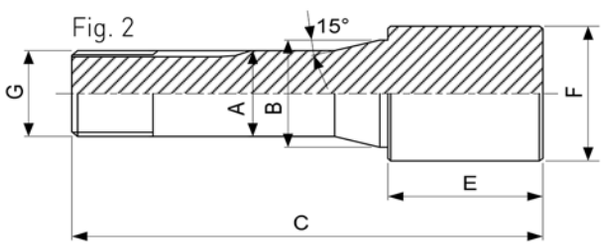


Fig. 2



SCHAUBLIN

Typ	A	B	C	E	F	G	Fig.
W10							
83-50001	10.00	14.00	82.50	40.00	20.00	Ø9.83x0.833/45°/5°	2
			82.50	40.00	30.00		2
W12							
83-50002	12.00	16.20	84.30	40.00	16.20	Ø11.75x1.25/45°/5°	1
83-50003	12.00	16.00	84.30	40.00	20.00	Ø11.75x1.25/45°/5°	2
			84.30	40.00	30.00		2
			84.30	40.00	40.00		2
W15							
83-50005	15.00	20.20	106.30	50.00	30.00	Ø14.75x1.25/45°/5°	2
W20							
83-50006	20.00	26.50	91.00	20.00	26.50	Ø19.7x1.666/45°/5°	1
			120.60	50.00	26.50		1
83-50007	20.00	26.30	120.60	50.00	30.00	Ø19.7x1.666/45°/5°	2
			170.60	100.00	30.00		2
			120.60	50.00	40.00		2
			120.60	50.00	50.00		2
			120.60	50.00	60.00		2
			170.60	100.00	60.00		2
			120.60	50.00	80.00		2
W25							
83-50008	25.00	33.90	144.30	50.00	33.90	Ø19.7x1.666/45°/5°	1
83-50009	25.00	33.70	144.30	50.00	50.00	Ø24.7x1.693/45°/5	2
			144.30	50.00	60.00		2
			194.30	100.00	80.00		2

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Geschliffene vorgearbeitete Einsätze Typ B

Fig. 1

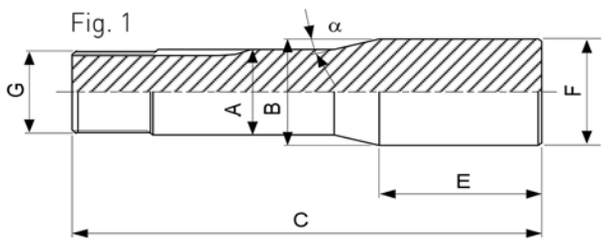
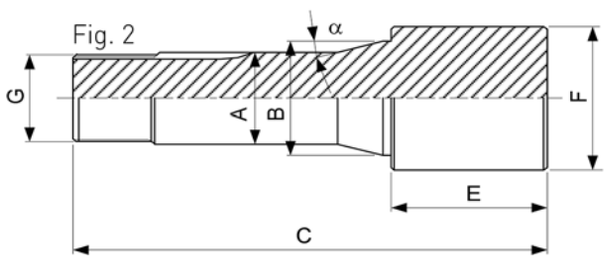


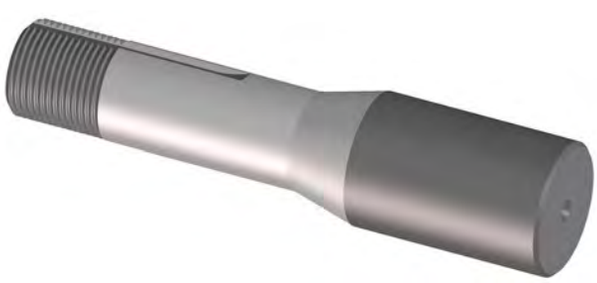
Fig. 2

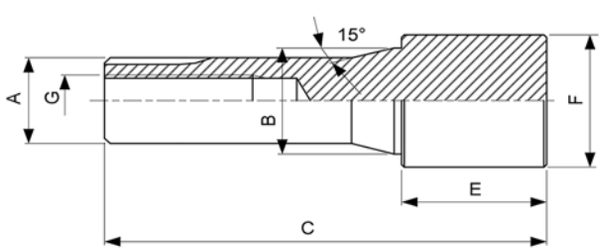


SCHAUBLIN

Typ	A	B	C	E	F	G	α	Fig.
B8								
83-10004	8.00	13.20	73.80	40.00	13.20	Ø6.82x0.625/55°	20°	1
83-10005	8.00	13.00	74.60	40.00	20.00	Ø6.82x0.625/55°	20°	2
				40.00	30.00		20°	2
				40.00	40.00		20°	2
B32								
83-10001	32.00	40.00	152.00	50.00	50.00	Ø29.7x1.693/45°/5°	15°	2
			202.00	100.00	80.00		15°	2

Geschliffene vorgearbeitete Einsätze Typ P





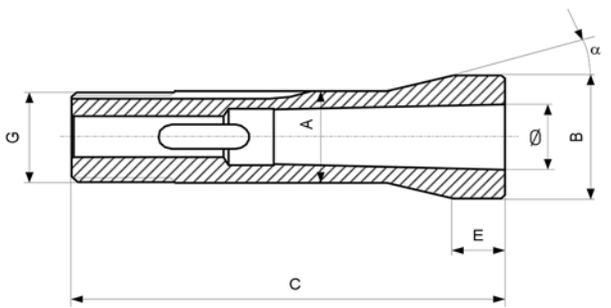
SCHAUBLIN

Typ	A	B	C	E	F	G
P6						
83-40003	6.00	8.50	52.00	25.00	12.00	M4.00
				25.00	25.00	
P9						
83-40008	9.00	13.20	78.00	40.00	20.00	M6.00
P10						
83-40001	10.00	14.00	78.00	40.00	30.00	M7.00
				40.00	40.00	

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Hülse mit Morse Konus





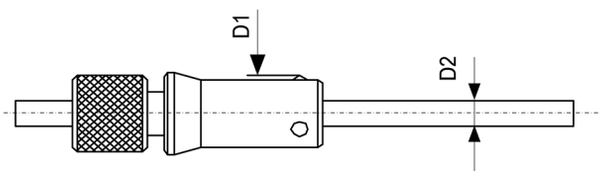
SCHAUBLIN

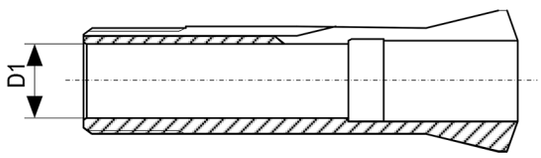
Artikel Nr	A	B	C	E	G	α	Ø von - bis
W20							
102-20275	20.00	26.30	71.00	2.00	Ø19.7x1.666/45°/5°	15°	DIN228 MK1
102-20276	20.00	26.30	89.00	20.00	Ø19.7x1.666/45°/5°	15°	DIN228 MK2
W25							
102-25275	25.00	33.70	100.5	8.00	Ø24.7x1.693/45°/5°	15°	DIN228 MK1

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Tiefenanslchläge





Je nach hintere Zangenbohrung D1 sind diese Tiefenanschläge zu anderen Zangen auch geeignet.

Typ	D1 min - max	D2	Geeignet für
68-99100	3.90 - 4.40	1.20	72-137 B8 / 76-599 F6
68-99101	4.50 - 5.40	1.20	76-66 F7
68-99102	5.40 - 6.60	1.50	76-577 F8
68-99103	6.50 - 7.40	2.00	76-86 F10 / 80-1 W10
68-99104	8.00 - 8.80	2.50	80-2 W12
68-99105	9.30 - 10.90	2.50	72-139 B15 / 76-78 F12 / 76-357 F13 / 76-98 F14 / 80-3 W15
68-99106	12.00 - 13.80	2.50	76-1076 F16 / 77-122 L20
68-99107	13.50 - 15.10	5.00	80-4 W20
68-99108	15.00 - 16.80	5.00	
68-99109	16.40 - 18.20	7.00	76-87 F20 / 76-71 F22
68-99110	16.50 - 19.95	5.00	80-5 W25
68-99111	19.80 - 22.80	7.00	76-64 F25
68-99112	22.00 - 23.80	7.00	76-22 F27 / 76-93 F28
68-99113	23.00 - 24.80	7.00	72-65 B32
68-99114	24.60 - 27.80	7.00	76-101 F30 / 76-221 F32 /80-842 W31.75
68-99115	27.60 - 30.80	7.00	76-94 F35
68-99116	30.00 - 33.80	7.00	76-72 F38
68-99117	34.80 - 40.70	10.00	72-199 B45 / 76-99 F42
68-99118	39.80 - 44.70	10.00	76-81 F48

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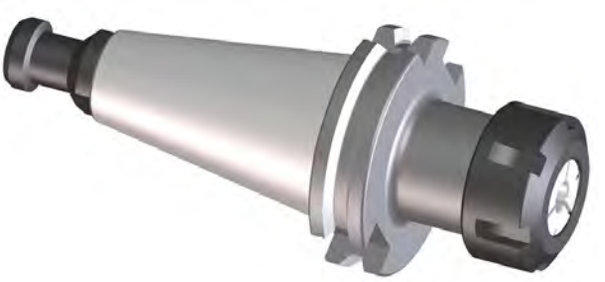
HSK Werkzeugaufnahmen



Siehe Komplettes Programm online

SCHAUBLIN

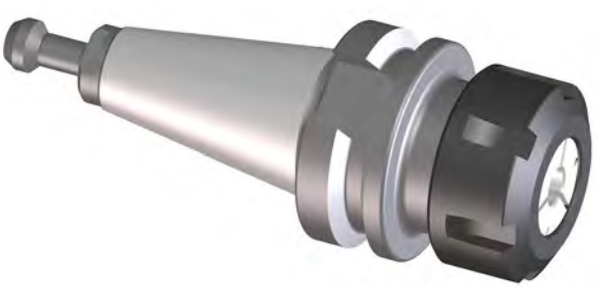
ISO 10-20-25-30-35-40 Werkzeughalter



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BT30 / BT40 Werkzeughalter



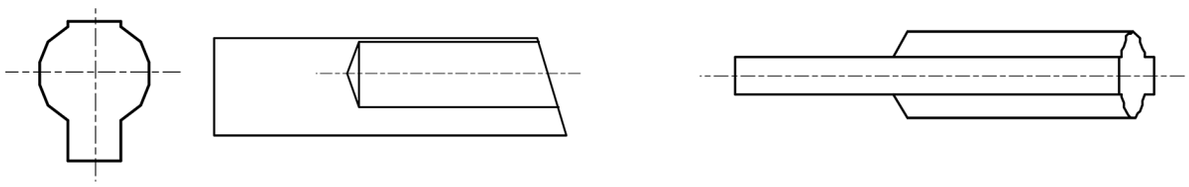
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Dichtgummi



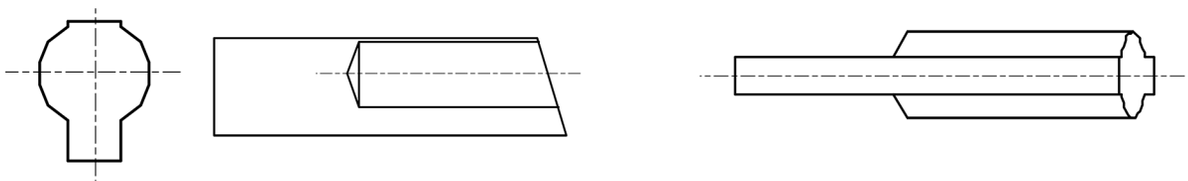
Die nachstehenden Zangen sind mit Dichtgummi geliefert. Dichtgummi je nach Ø sind auch als Ersatzteil Lieferbar

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Typ	Dichtgummi	Pos	Rund Ø	4-Kt.	6-Kt.
B34					
72-1820	76-832	50	min-11.99	min-11.99	min-9.99
	76-832	40	12.00-max	12.00-max	10.00-max
B46					
72-2007	76-832	70	min-27.99	min-23.99	min-19.49
	76-832	60	28.00-max	24.00-max	19.50-max
F16					
76-830	M505220	silicon Ø 4			
F20					
76-87	76-832	10			
F22					
76-71	76-832	10			
F25					
76-64	76-832	10			
F27					
76-22	76-832	50	min-20.99	min-18.00	min-15.00
	76-832	40	21.00-max	18.01-max	15.01-max
F28					
76-93	76-832	50	min-14.99	min-12.99	min-10.99
	76-832	40	15.00-max	13.00-max	11.00-max
F30					
76-63	76-832	50	min-16.00	min-15.50	min-12.50
	76-832	40	16.01-max	15.51-max	12.51-max
F32					
76-221	76-832	50	min-22.49	min-19.49	min-15.99
	76-832	40	22.50-max	19.50-max	16.00-max
F35					
76-94	76-832	70	min-7.99	min-7.99	min-7.99
	76-832	60	8.00-max	8.00-max	8.00-max
76-2010	76-832	60			
76-2011	76-832	40			
76-2012	76-832	60			
76-2013	76-832	60			
F38					
76-72	76-832	70	min-14.99	min-12.99	min-7.99
	76-832	60	15.00-max	13.00-max	8.00-max
76-2004	76-832	70	min-14.99	min-12.99	min-10.59
	76-832	60	15.00-max	13.00-max	10.60-max

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Dichtgummi — Folge...



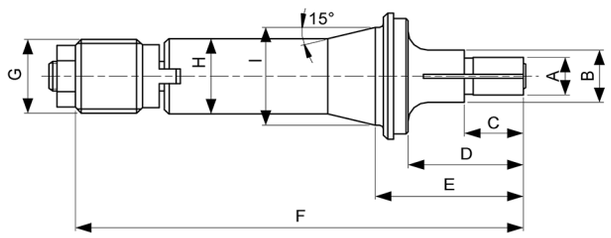
Typ	Dichtgummi	Pos	Rund Ø	4-Kt.	6-Kt.
F42					
76-99	76-832	70	min-19.99	min-17.99	min-11.99
	76-832	60	20.00-max	18.00-max	12.00-max
F48					
76-81	76-832	70	min-23.99	min-7.99	min-7.99
	76-832	60	24.00-max	8.00-max	8.00-max
76-2006	76-832	70	min-23.99	min-20.79	min-16.99
	76-832	60	24.00-max	20.80-max	17.00-max
F66					
76-359	76-836	100			
P25					
78-834	M505220	silicon Ø 4			
W25					
80-1923	M505220	silicon Ø 4			

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Spreizdorne Typ W





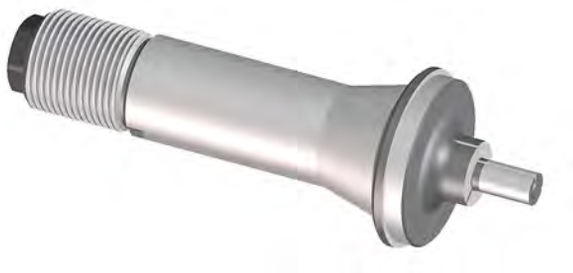
- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

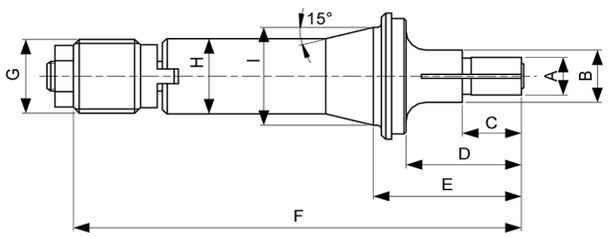
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Typ	A	B	C	D	E	F	H	I	G
W12									
84-50300	4.00-5.00	8.00	10.00	18.00	24.10	67.50	12.00	16.00	Ø 11.75x1.25/45°/5°
	5.01-6.00	8.00	10.00	18.00	24.10	67.50			
	6.01-8.00	10.00	10.00	18.00	24.10	67.50			
	8.01-10.00	12.00	15.00	20.00	26.10	69.50			
	10.01-12.00	15.00	15.00	20.00	26.10	69.50			
	12.01-15.00	-	20.00	-	28.60	72.00			
	15.01-18.00	-	25.00	-	33.60	77.00			
W20									
84-51300	4.00-5.00	10.00	12.00	24.00	32.00	103.00	20.00	26.30	Ø19.70x1.666/45°-5°
	5.01-6.00	10.00	15.00	25.00	33.00	104.00			
	6.01-8.00	12.00	15.00	25.00	33.00	104.00			
	8.01-10.00	14.00	15.00	25.00	33.00	104.00			
	10.01-13.00	16.00	20.00	30.00	38.00	109.00			
	13.01-17.00	20.00	25.00	35.00	43.00	114.00			
	17.01-21.00	24.00	25.00	35.00	43.00	114.00			
	21.01-25.00	28.00	35.00	45.00	53.00	124.00			
	25.01-31.00	-	45.00	-	53.00	124.00			
W25									
84-52300	4.00-5.00	10.00	12.00	24.00	34.00	126.00	25.00	33.70	Ø24.70x1.693/45°/5°
	5.01-6.00	12.00	15.00	25.00	35.00	127.00			
	6.01-8.00	16.00	15.00	25.00	35.00	127.00			
	8.01-10.00	16.00	15.00	25.00	35.00	127.00			
	10.01-13.00	16.00	20.00	30.00	40.00	132.00			
	13.01-17.00	20.00	25.00	35.00	45.00	137.00			
	17.01-21.00	24.00	30.00	40.00	50.00	142.00			
	21.01-25.00	28.00	35.00	45.00	55.00	147.00			
	25.01-29.00	32.00	40.00	50.00	60.00	152.00			
	29.01-33.00	36.00	45.00	50.00	60.00	152.00			
	33.01-39.00	-	50.00	-	61.00	153.00			
	39.01-41.00	-	50.00	-	61.00	153.00			

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Spreizdorne Typ B



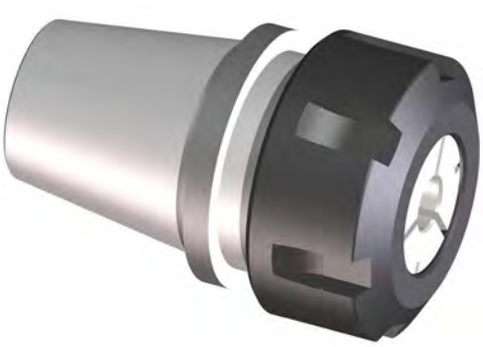


- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

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Typ	A	B	C	D	E	F	H	I	G
B32									
84-10300	5.00-6.00	12.00	15.00	25.00	35.00	135.00	32.00	40.00	Ø29.70x1.693/45°/5°
	6.01-8.00	16.00	15.00	25.00	35.00	135.00			
	8.01-10.00	16.00	15.00	25.00	35.00	135.00			
	10.01-13.00	16.00	20.00	30.00	40.00	140.00			
	13.01-17.00	20.00	25.00	35.00	45.00	145.00			
	17.01-21.00	24.00	30.00	40.00	50.00	150.00			
	21.01-25.00	28.00	35.00	45.00	55.00	155.00			
	25.01-29.00	32.00	40.00	50.00	60.00	160.00			
	29.01-33.00	36.00	45.00	50.00	60.00	160.00			
	33.01-37.00	42.00	50.00	55.00	65.00	165.00			
	37.01-41.00	45.00	55.00	-	66.00	166.00			
	41.01-45.00	45.00	55.00	-	66.00	166.00			

Werkzeughalter mit Spannzangenschaft E (8°)



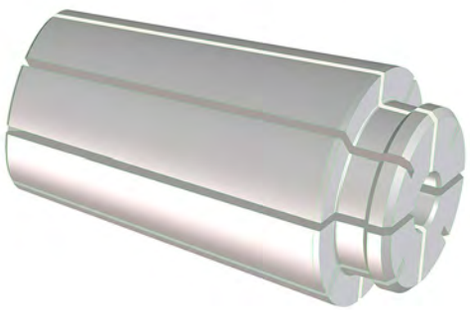
Siehe Komplettes Programm online

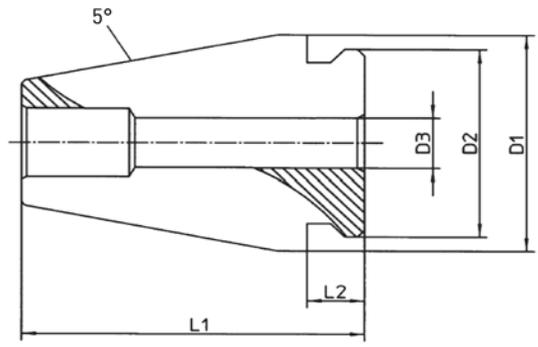
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Spannzangen Typ D





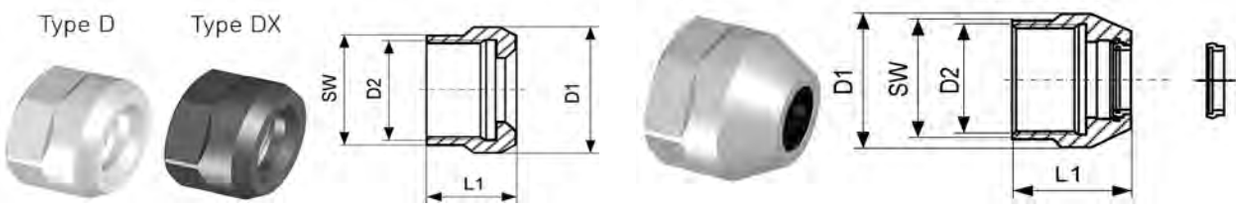
mit flachem Konus für hohe Drehzahlen
Qualität UP spannt den Nenndurchmesser

- Standardbohrungen (rund, vierkant, sechskant) gemäss Preisliste. Andere Bohrungen auf Anfrage.

Typ	D1	D2	D3	L1	L2
D6					
74-6000	6.10	5.10	0.50-3.17	13.00	2.60
D8					
74-8000	8.13	6.85	0.50-5.00	16.50	2.80
D10					
74-10000	10.14	8.25	0.50-6.00	20.00	3.00
D12					
74-12000	12.65	9.35	0.50-7.00	24.00	3.20
D14					
74-14000	14.15	11.55	0.50-9.00	25.00	3.60
D16					
74-16000	16.65	12.90	0.50-10.00	28.50	4.20
D20					
74-20000	20.18	15.90	0.50-12.70	32.00	4.60
D24					
74-24000	24.18	19.40	0.50-16.00	35.00	5.00
D29					
74-29000	29.18	23.90	1.00-20.00	40.00	5.40

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Ausgewuchtete Muttern für Zangen Typ D



- Ist es nicht möglich das Gewinde regelmässig zu reinigen und zu schmieren verhindert die Mutter DX ein Festsitzen auf dem Spannzangenhalter. Sind zu hohe Spannkräfte, Temperaturen oder Bearbeitungsschwingungen vorhanden, verhindert ihre Beschichtung ein mögliches Anfressen des Gewindes.

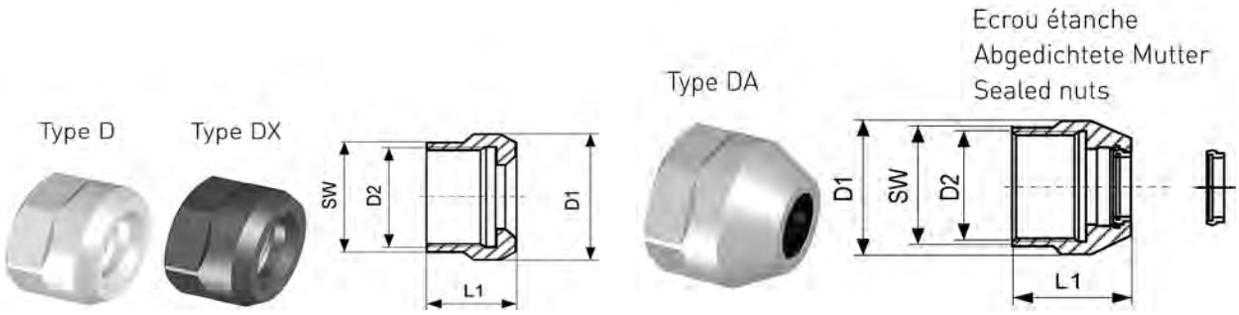
Typ	D1	D2	L1	SW	Dichtscheibe
D6					
68-6700	11.30	M8x0.75	10.00	10.00	-
DX6					
68-6703	11.30	M8x0.75	10.00	10.00	-
D8					
68-8700	13.50	M10x0.75	12.0	12.00	-
DX8					
68-8703	13.50	M10x0.75	12.00	12.00	-
D10					
68-10700	15.70	M12x0.75	14.00	14.00	-
DX10					
68-10703	15.70	M12x0.75	14.00	14.00	-
DA10					
68-10790	15.70	M12x0.75	20.00	14.00	68-10791
D12					
68-12700	20.00	M15x0.75	16.00	18.00	-
DX12					
68-12703	20.00	M15x0.75	16.00	18.00	-
DA12					
68-12790	20.00	M15x0.75	22.00	18.00	68-12791
D14					
68-14700	22.50	M17x1.00	18.00	20.00	-
DX14					
68-14703	22.50	M17x1.00	18.00	20.00	-
DA14					
68-14790	22.50	M17x1.00	24.00	20.00	68-14791
D16					
68-16700	27.00	M20x1.00	19.00	24.00	-
DX16					
68-16703	27.00	M20x1.00	19.00	24.00	-
DA16					
68-16790	27.00	M20x1.00	25.00	24.00	68-16791
D20					
68-20700	30.50	M24x1.00	19.00	27.00	-

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Ausgewuchtete Muttern für Zangen Typ D

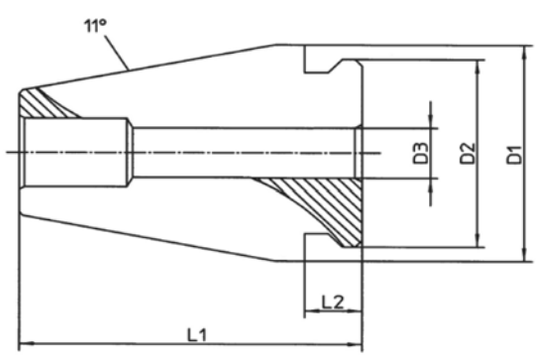
Folge...



Typ	D1	D2	L1	SW	Dichtscheibe
DX20					
68-20703	30.50	M24x1.00	19.00	27.00	-
DA20					
68-20790	30.50	M24x1.00	25.00	27.00	68-20791
D24					
68-24700	36.00	M28x1.00	22.00	32.00	-
DX24					
68-24703	36.00	M28x1.00	22.00	32.00	-
DA24					
68-24790	36.00	M28x1.00	28.00	32.00	68-24791
D29					
68-29700	42.00	M34x1.00	25.00	38.00	-
DX29					
68-29703	42.00	M34x1.00	25.00	38.00	-
DA29					
68-29790	42.00	M34x1.00	31.00	38.00	68-29791

Passende Zange mit Typ SRP6 für hochgenaue Spindel



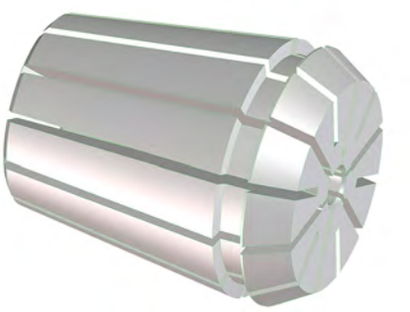


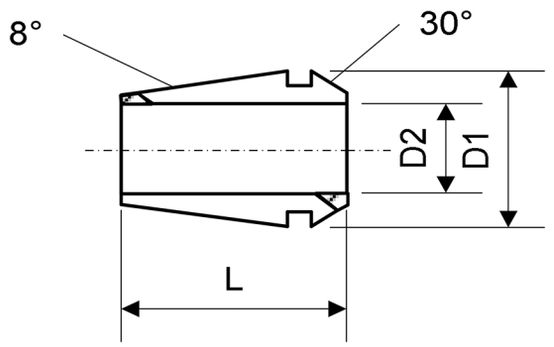
Spannt den Nenndurchmesser
Für Ø 2.35 - 3.49 L= 26.00
Für Ø 3.50 - 8.00 L= 36.00

Typ	D1	D2	D3	L1	L2
74-2002	13.00	11.20	2.00 - 8.00	19.10	3.20

Schaublin Programm

ESX (DIN 6499-B) Zangen





Standard Qualität
mit Spannbereich (S) nach unten

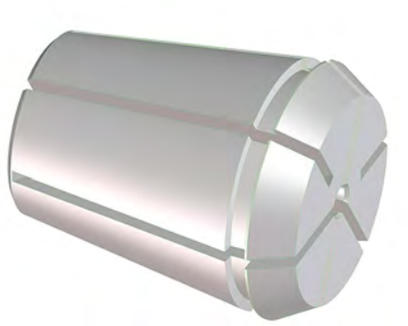
SCHAUBLIN

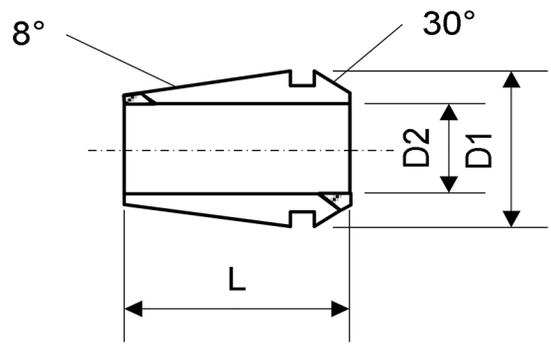
Typ	D1	D2	L	S
ESX9				
75-9300	9.00	1.00 - 5.00	14.50	0.50
ESX12				
75-12300	12.00	1.00 - 3.00	19.50	0.50
75-12300		4.00 - 7.00		1.00
ESX16				
75-16300	17.00	1.00 - 1.50	27.50	0.50
75-16300		2.00 - 10.00		1.00
ESX20				
75-20300	21.00	1.00 - 1.50	31.50	0.50
75-20300		2.00 - 13.00		1.00
ESX25				
75-25300	26.00	1.00 - 1.50	34.00	0.50
75-25300		2.00 - 16.00		1.00
ESX32				
75-32300	33.00	2.50 - 20.00	40.00	1.00
ESX40				
75-40300	41.00	3.00 - 26.0.0	46.00	1.00

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EX (DIN 6499-A) Zangen





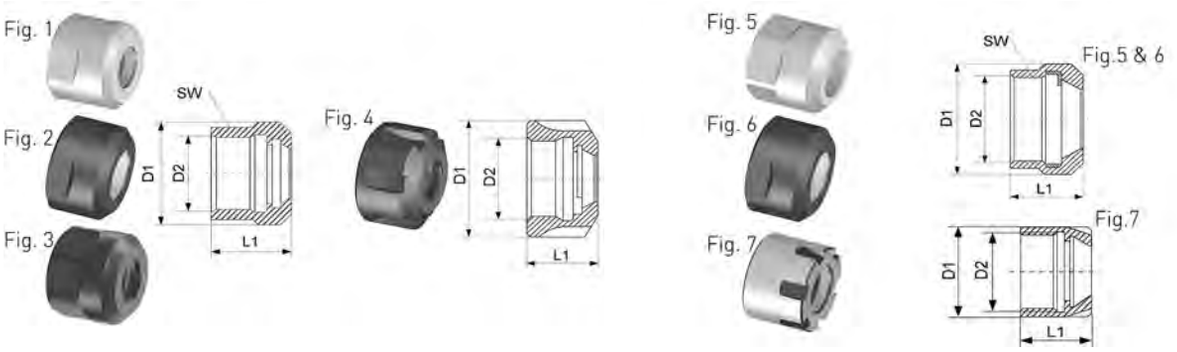
UP Qualität
Spannt den Nenndurchmesser

SCHAUBLIN

Typ	D1	D2	L
EX9			
75-9200	9.00	0.50 - 5.00	14.50
EX12			
75-12200	11.75	0.50 - 7.00	17.50
EX16			
75-16200	16.70	0.30 - 10.00	27.50
EX20			
75-20200	20.70	1.00 - 13.00	31.50
EX25			
75-25200	25.70	1.00 - 16.00	34.00
EX32			
75-32200	32.70	2.00 - 20.00	40.00
EX40			
75-40200	40.70	3.00 - 26.00	46.00

Schaublin Programm

EX / EXP / EXM (DIN6499) Muttern



Entsprechende Spannschlüssel auf Anfrage

SCHAUBLIN

Typ	D1	D2	L1	SW	Fig.
EX9					
61-9730	15.00	M11x0.75	11.50	13.00	1
EX12					
61-12730	19.00	M14x0.75	14.00	17.00	3
EX16					
61-16730	32.00	M22x1.50	18.00	-	4
EX20					
61-20730	35.00	M25x1.50	19.50	-	4
EX25					
61-25730	42.00	M32x1.50	20.50	-	4
EX32					
61-32730	50.00	M40x1.50	23.00	-	4
EX40					
61-40730	63.00	M50x1.50	26.00	-	4
EXP9					
61-9710	13.50	M10x0.75	11.50	12.00	5
EXP12					
91-12710	16.70	M13x0.75	14.00	15.00	3
EXP16					
61-16710	25.00	M20x1.00	18.00	22.00	2
EXP20					
61-20710	30.50	M24x1.00	18.50	27.00	6
EXM11					
61-11772	16.00	M13x0.75	12.10	-	7
EXM16					
61-16772	22.00	M19x1.00	18.00	-	7
EXM20					
61-20772	28.00	M24x1.00	19.50	-	7
EXM25					
61-25772	35.00	M30x1.00	20.50	-	7

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Schaublin Programm

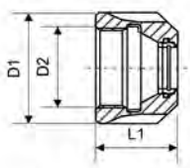
EXA / EXPA / EXF (DIN6499) Muttern

Fig. 1



Fig. 2





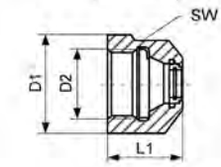
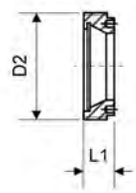


Fig. 3





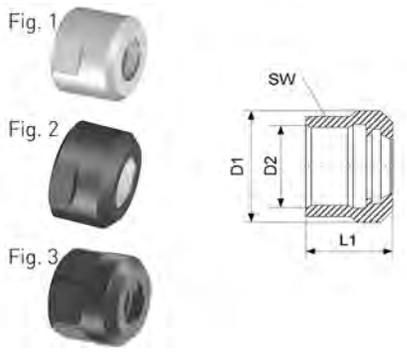
Entsprechende Spannschlüssel auf Anfrage

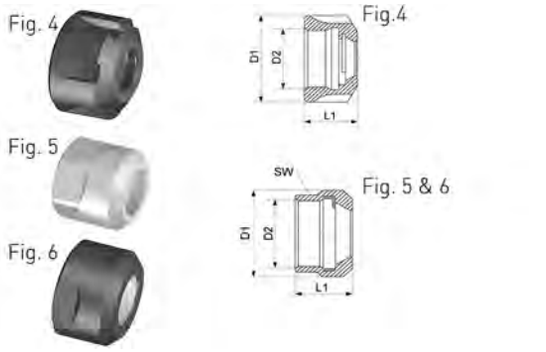
SCHAUBLIN

Typ	D1	D2	L1	SW	Fig.
EXA12					
61-12790	19.00	M14x0.75	19.50	17.00	1
EXA16					
61-16790	32.00	M22x1.50	22.50	-	1
EXA20					
61-20790	35.00	M25x1.50	24.00	-	1
EXA25					
61-25790	42.00	M32x1.50	25.00	-	1
EXA32					
61-32790	50.00	M40x1.50	27.50	-	1
EXA40					
61-40790	63.00	M50x1.50	30.50	-	1
EXPA16					
61-16795	25.00	M20x1.00	23.30	22.00	2
EXPA20					
61-20795	30.50	M24x1.00	24.00	27.00	2
EXF16					
61-16777	-	M24x1.00	8.10	-	3
EXF20					
61-20777	-	M28x1.50	10.90	-	3
EXF25					
61-25777	-	M32x1.50	12.50	-	3
EXF32					
61-32777	-	M40x1.50	14.00	-	3

Schaublin Programm

EXE / EXPE (DIN6499) Muttern





Entsprechende Spannschlüssel auf Anfrage

SCHAUBLIN

Typ	D1	D2	L1	SW	Fig.
EXE9					
61-9720	15.00	M11x0.75	11.50	13.00	1
EXE12					
61-12720	19.00	M14x0.75	14.00	17.00	3
EXE16					
61-16720	32.00	M22x1.50	18.00	-	4
EXE20					
61-20720	35.00	M25x1.50	19.50	-	4
EXE25					
61-25720	42.00	M32x1.50	20.50	-	4
EXE32					
61-32720	50.00	M40x1.50	23.00	-	4
EXE40					
61-40720	63.00	M50x1.50	26.00	-	4
EXPE9					
61-9721	13.50	M10x0.75	11.50	12.00	5
EXPE12					
61-12721	16.70	M13x0.75	14.00	15.00	3
EXPE16					
61-16721	25.00	M20x1.00	18.00	22.00	2
EXPE20					
61-20721	30.50	M24x1.00	18.50	27.00	6

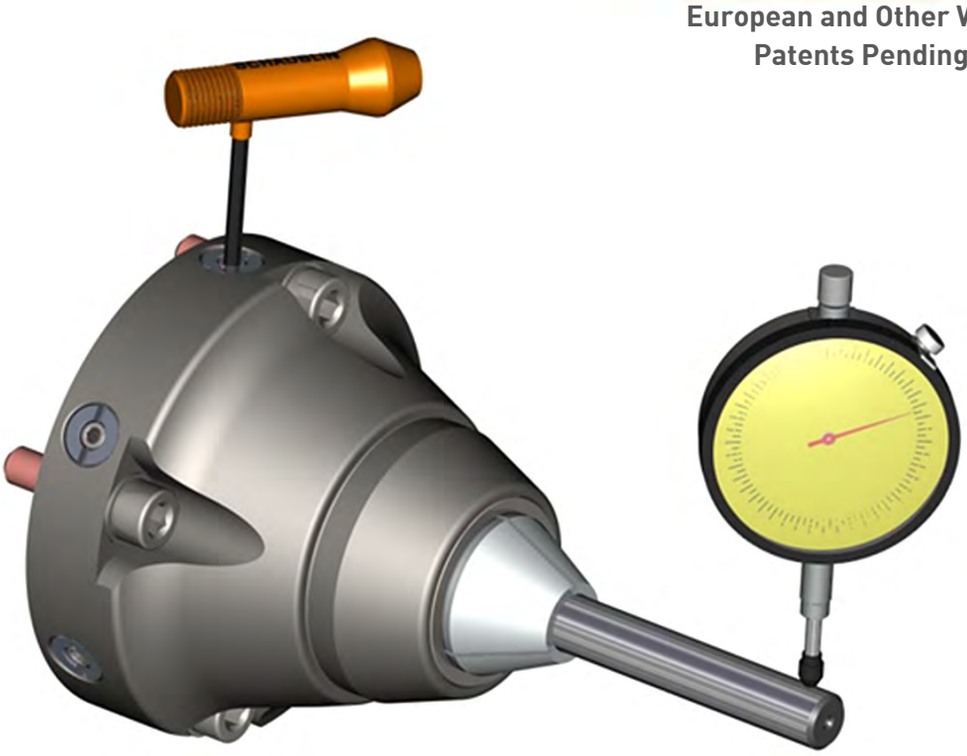
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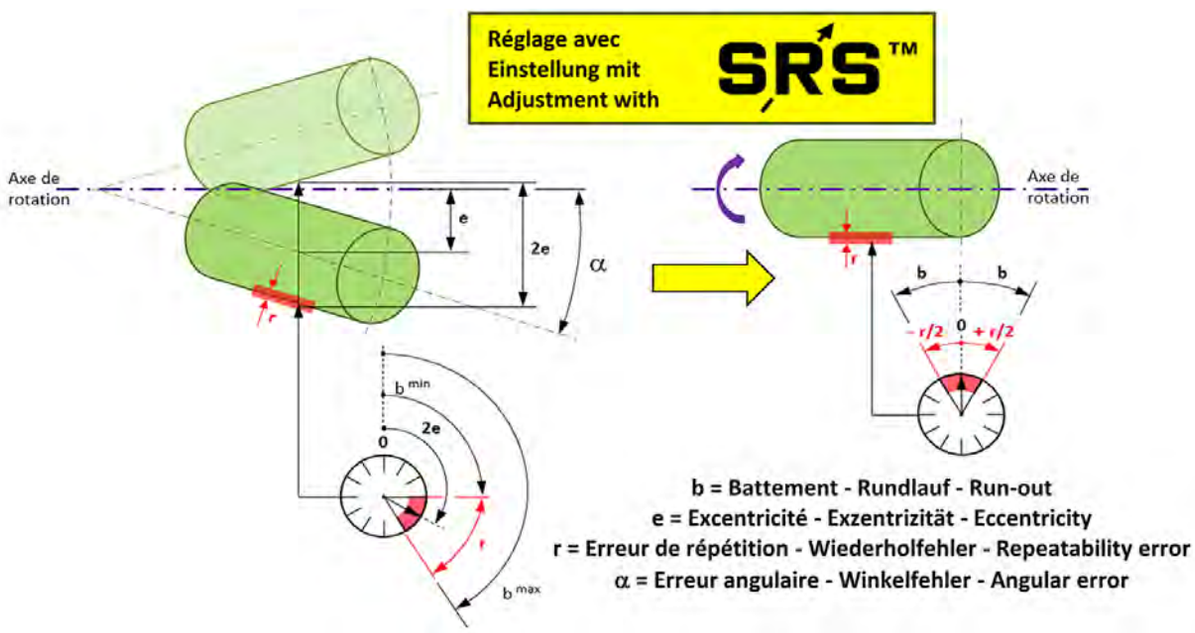
Schaublin Programm

SRS Schaublin Rundlaufregel-System

SCHAUBLIN

European and Other World Patents Pending





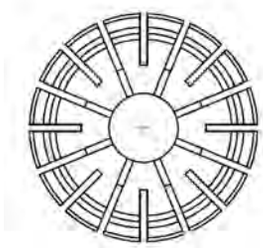
b = Battement - Rundlauf - Run-out
e = Excentricité - Exzentrizität - Eccentricity
r = Erreur de répétition - Wiederholfehler - Repeatability error
α = Erreur angulaire - Winkelfehler - Angular error

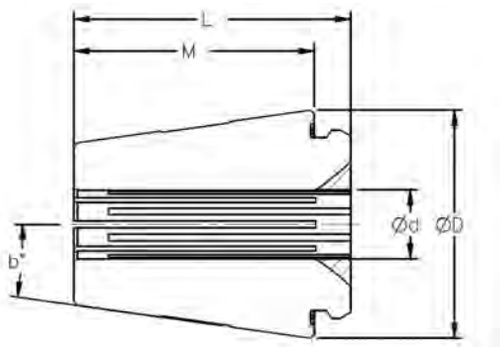
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Tecnopinz Zangen

ETS Zangen







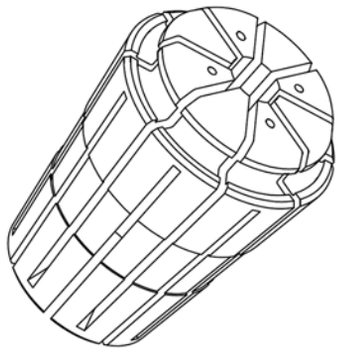
Beispiel Art. Nr. :
ETS 40 Ø 22.00 = 1140.2200

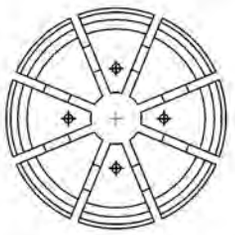
SWISS QUALITY MADE tecnopinz

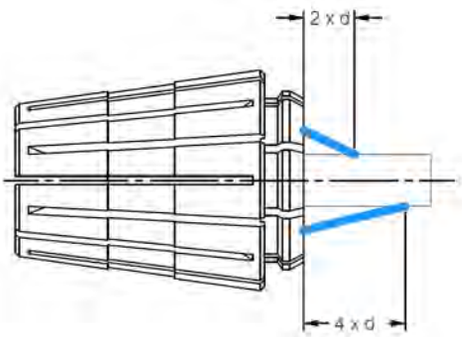
Artikel Nr	Ø d	Ø D	Bohrung	L	M	b°
ETS 9 Zange						
1109.Ø	1.00 - 5.00	9.10	pro 0.50	13.00	11.40	8°
ETS 10 Zange						
1110.Ø	1.25 - 3.00	10.30	pro 0.25	14.00	11.80	8°
1110.Ø	3.25 - 5.00	10.50	pro 0.25	14.00	11.80	8°
ETS 12 Zange						
1112.Ø	1.25 - 2.50	11.40	pro 0.25	17.00	14.20	8°
1112.Ø	3.00 - 7.00	11.70	pro 0.50	17.00	14.20	8°
ETS 14 Zange						
1114.Ø	1.25 - 2.50	14.35	pro 0.25	20.50	17.50	8°
1114.Ø	3.00 - 8.00	14.55	pro 0.50	20.50	17.50	8°
ETS 16 Zange						
1116.Ø	1.25 - 2.50	16.40	pro 0.25	24.00	21.00	8°
1116.Ø	3.00 - 4.00	16.70	pro 0.50	24.00	21.00	8°
1116.Ø	5.00 - 10.00	17.00	pro 1.00	24.00	21.00	8°
ETS 20 Zange						
1120.Ø	1.00 - 2.50	20.40	pro 0.25	30.50	26.70	8°
1120.Ø	3.00 - 4.00	20.70	pro 0.50	30.50	26.70	8°
1120.Ø	5.00 - 12.00	21.10	pro 1.00	30.50	26.70	8°
1120.Ø	13.00	21.10	pro 1.00	27.50	23.70	8°
ETS 25 Zange						
1125.Ø	1.00 - 2.50	25.30	pro 0.25	34.00	29.40	8°
1125.Ø	3.00 - 4.00	25.70	pro 0.50	34.00	29.40	8°
1125.Ø	5.00 - 16.00	26.10	pro 1.00	34.00	29.40	8°
ETS 32 Zange						
1132.Ø	1.50 - 3.00	32.40	pro 0.50	40.00	34.70	8°
1132.Ø	4.00 - 20.00	33.10	pro 1.00	40.00	34.70	8°
ETS 40 Zange						
1140.Ø	4.00 - 26.00	41.10	pro 1.00	45.00	39.60	8°

Tecnopinz Zangen

ETS Spray Zangen







Beispiel Art. Nr. :
ETS 16-S Ø 4.00 = 1116.0400-S

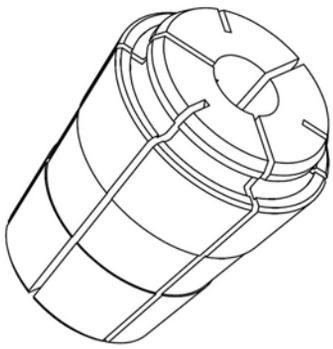
SWISS QUALITY MADE tecnopinz

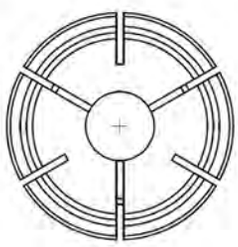
Artikel Nr	Ø d	Ø D	Bohrung	L	M	b°
ETS 9S Zange						
1109.Ø-S	1.00 - 5.00	9.10	pro 0.50	13.00	11.40	8°
ETS 10S Zange						
1110.Ø-S	1.25 - 3.00	10.30	pro 0.25	14.00	11.80	8°
1110.Ø-S	3.25 - 5.00	10.50	pro 0.25	14.00	11.80	8°
ETS 12S Zange						
1112.Ø-S	1.25 - 2.50	11.40	pro 0.25	17.00	14.20	8°
1112.Ø-S	3.00 - 7.00	11.70	pro 0.50	17.00	14.20	8°
ETS 14S Zange						
1114.Ø-S	1.25 - 2.50	14.35	pro 0.25	20.50	17.50	8°
1114.Ø-S	3.00 - 8.00	14.55	pro 0.50	20.50	17.50	8°
ETS 16S Zange						
1116.Ø-S	1.25 - 2.50	16.40	pro 0.25	24.00	21.00	8°
1116.Ø-S	3.00 - 4.00	16.70	pro 0.50	24.00	21.00	8°
1116.Ø-S	5.00 - 10.00	17.00	pro 1.00	24.00	21.00	8°
ETS 20S Zange						
1120.Ø-S	1.00 - 2.50	20.40	pro 0.25	30.50	26.70	8°
1120.Ø-S	3.00 - 4.00	20.70	pro 0.50	30.50	26.70	8°
1120.Ø-S	5.00 - 12.00	21.10	pro 1.00	30.50	26.70	8°
1120.Ø-S	13.00	21.10	pro 1.00	27.50	23.70	8°
ETS 25S Zange						
1125.Ø-S	1.00 - 2.50	25.30	pro 0.25	34.00	29.40	8°
1125.Ø-S	3.00 - 4.00	25.70	pro 0.50	34.00	29.40	8°
1125.Ø-S	5.00 - 16.00	26.10	pro 1.00	34.00	29.40	8°
ETS 32S Zange						
1132.Ø-S	1.50 - 3.00	32.40	pro 0.50	40.00	34.70	8°
1132.Ø-S	4.00 - 20.00	33.10	pro 1.00	40.00	34.70	8°
ETS 40S Zange						
1140.Ø-S	4.00 - 26.00	41.10	pro 1.00	45.00	39.60	8°

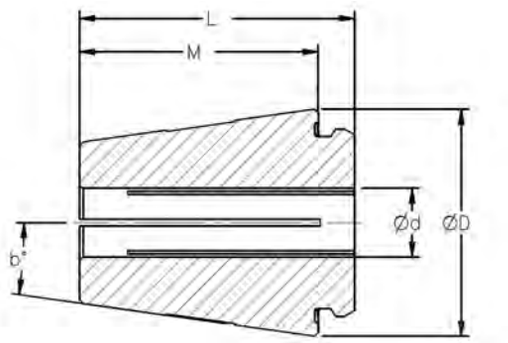
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Tecnopinz Zangen

ETA Zangen







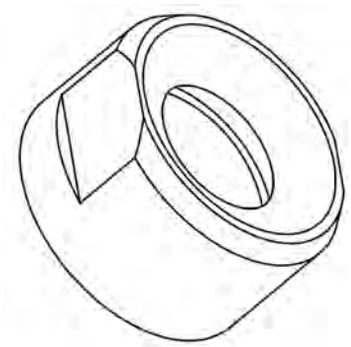
Beispiel Art. Nr. :
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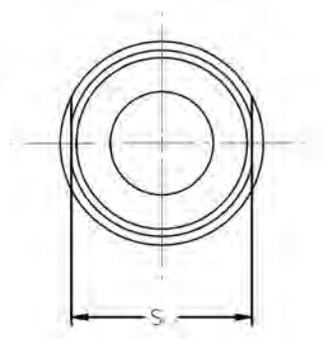
SWISS QUALITY MADE tecnopinz

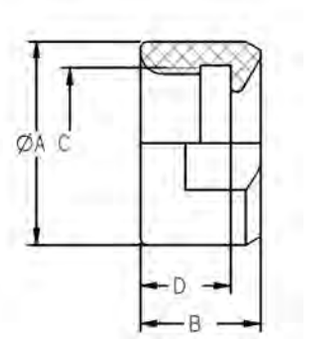
Artikel Nr	Ø d	Ø D	Bohrung	L	M	b°
ETA 6 Zange						
1006.Ø	0.20 - 2.00	6.00	pro 0.10	11.00	9.00	5°
ETA 8 Zange						
1008.Ø	0.20 - 4.00	8.00	pro 0.10	13.20	11.00	5°
ETA 9 Zange						
1009.Ø	0.20 - 1.00	9.10	pro 0.10	13.20	11.00	8°
ETA 10 Zange						
1010.Ø	0.20 - 5.50	10.00	pro 0.10	14.00	11.80	8°
ETA 12 Zange						
1012.Ø	0.20 - 1.00	11.40	pro 0.10	17.00	14.20	8°
ETA 14 Zange						
1014.Ø	0.20 - 1.00	14.20	pro 0.10	20.50	17.50	8°
ETA 16 Zange						
1016.Ø	0.20 - 10.00	16.20	pro 0.10	24.00	21.00	8°

Tecnopinz Zangen

ETS & ETA Muttern mit zwei Spannflächen







SWISS QUALITY MADE tecnopinz

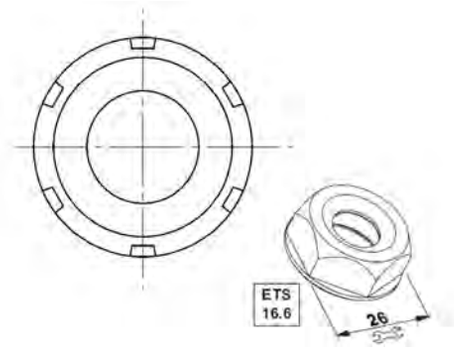
Artikel Nr	Ø A	B	C	S	D
ETA 6 Mutter					
2006.0000	14.00	8.00	M10 x 0.50	13.00	6.30
2006.1000	10.50	8.00	M8 x 0.50	9.00	6.30
ETA 8 Mutter					
2008.0000	18.00	8.00	M14 x 1.00	17.00	6.00
2008.1000	12.50	8.00	M10 x 0.75	11.00	6.00
ETA 9 Mutter					
2009.0000	13.50	8.00	M10 x 0.75	12.00	6.00
2009.1000	15.00	8.00	M11 x 0.75	13.00	6.00
ETA 10 Mutter					
2010.0000	18.00	8.00	M14 x 1.00	17.00	6.00
2010.1000	15.00	8.00	M12 x 0.75	13.00	6.00
ETA 12 Mutter					
2012.0000	19.00	12.00	M14 x 0.75	17.00	9.00
2012.1000	18.00	12.00	M13 x 0.75	16.00	9.00
110.141	25.00	12.50	M18 x 1.50	22.00	10.00
110.143	25.00	12.50	M14 x 0.75	17.00	10.00
ETA 16 Mutter					
2016.1000	26.50	15.00	M22 x 1.50	25.00	11.00
2016.2000	24.70	15.00	M19 x 1.00	22.00	11.00
2016.3000	26.70	15.00	M20 x 1.00	24.00	11.00
2016.4000	30.00	12.00	M22 x 1.50	26.00	9.00
ETA 20 Mutter					
2020.1000	32.00	16.50	M24 x 1.00	28.00	12.00
2020.2000	32.00	16.50	M25 x 1.50	28.00	12.00

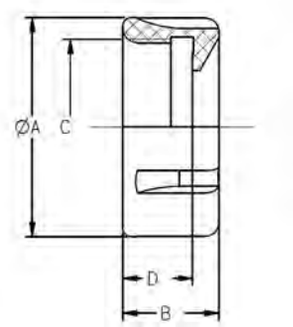
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Tecnopinz Zangen

ETS & ETA Profilmuttern







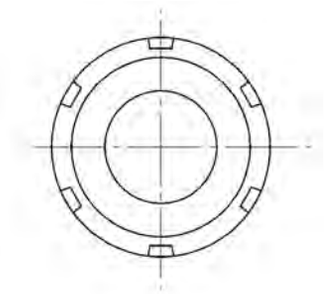
SWISS QUALITY MADE tecnopinz

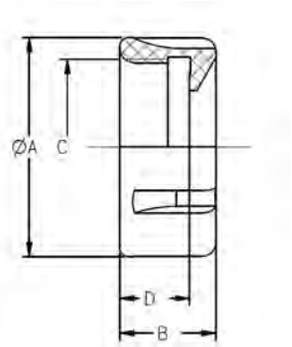
Artikel Nr	Ø A	B	C	D
ETS 14 Mutter				
3014.0000	22.00	11.20	M17 x 1.00	8.70
ETS 16 Mutter				
3016.0000	32.00	15.00	M22 x 1.50	11.00
4016.5000	30.00	12.00	M22 x 1.50	9.00
ETS 20 Mutter				
3020.0000	35.00	16.50	M25 x 1.50	12.00
ETS 25 Mutter				
3025.0000	42.00	18.50	M32 x 1.50	14.00
3025.1000	42.00	18.50	M30 x 1.00	14.00
ETS 32 Mutter				
3032.0000	50.00	22.00	M40 x 1.50	16.00
ETS 40 Mutter				
3040.0000	63.00	25.00	M50 x 1.50	18.50

Tecnopinz Zangen

ETS & ETA Profilmuttern mit links Gewinde





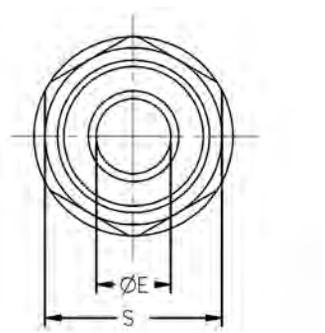


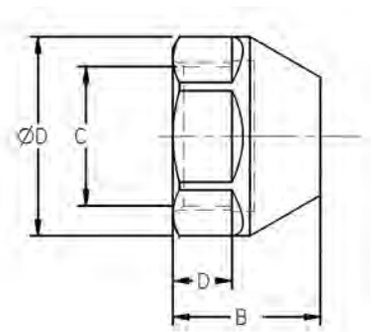
SWISS QUALITY MADE tecnopinz

Artikel Nr	Ø A	B	C	D
ETS 25 Mutter				
3025.2000	42.00	18.50	M32 x 1.50 (L)	14.00
3025.3000	42.00	18.50	M30 x 1.00 (L)	14.00
ETS 32 Mutter				
3032.1000	50.00	22.00	M40 x 1.50 (L)	16.00
ETS 40 Mutter				
3040.1000	63.00	25.00	M50 x 1.50 (L)	18.50

ETS & ETA FLUID Muttern







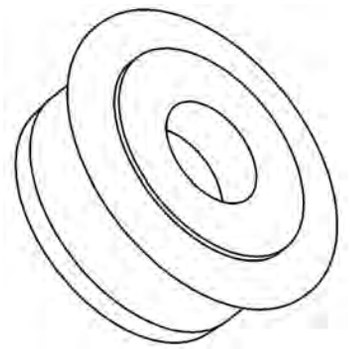
SWISS QUALITY MADE tecnopinz

Artikel Nr	Ø D	Ø E	B	C	D
ETA / ETS 16 Mutter					
2016.0000-F	27.00	8.00	20.00	M20 x 1.00	11.00
2016.0000-F	27.00	10.00	20.00	M20 x 1.00	11.00
ETA / ETS 20 Mutter					
2020.0000-F	32.00	10.00	22.00	M25 x 1.50	12.00
2020.0000-F	32.00	12.00	22.00	M25 x 1.50	12.00
ETA / ETS 25 Mutter					
2025.0000-F	40.00	14.00	24.60	M32 x 1.50	14.00
2025.0000-F	40.00	16.00	24.60	M32 x 1.50	14.00
ETA / ETS 32 Mutter					
2032.0000-F	50.00	18.00	27.50	M40 x 1.50	16.00
2032.0000-F	50.00	20.00	27.50	M40 x 1.50	16.00

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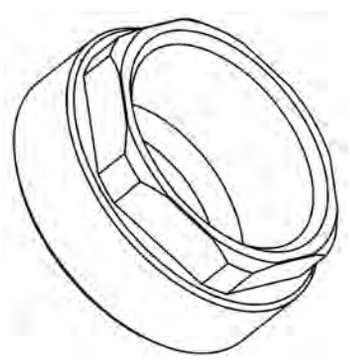
Tecnopinz Zangen

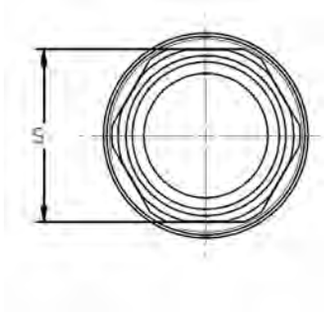
ETS & ETA Dichtscheiben

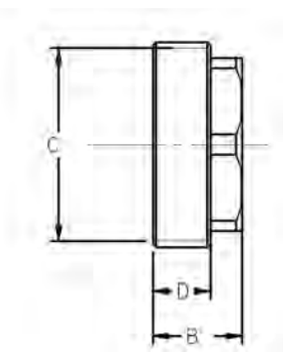


Artikel Nr	Ø d	Ø D	Bohrung
ETA / ETS 16 Scheibe			
2016.0000-D	3.00 - 6.00	10.00	pro 1.00
ETS 20 Scheibe			
2020.0000-D	3.00 - 8.00	12.00	pro 1.00
ETS 25 Scheibe			
2025.0000-D	3.00 - 12.00	16.00	pro 1.00
ETS 32 Scheibe			
2032.0000-D	3.00 - 16.00	20.00	pro 1.00

ETS-X Muttern







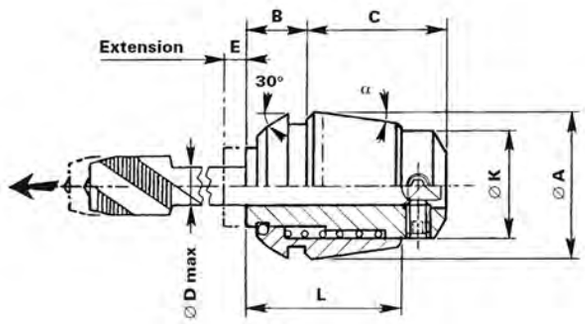
Artikel Nr	B	C	S	D
ETA 16 / ETS 16 Mutter				
3016.0000-X	12.00	M24 x 1.00	21.00	7.00
ETS 20 Mutter				
3020.0000-X	13.00	M28 x 1.50	25.00	8.00
ETS 25 Mutter				
3025.0000-X	14.00	M32 x 1.50	27.00	9.00
ETS 32 Mutter				
3032.0000-X	15.00	M40 x 1.50	35.00	10.00

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PCM Zangen

ET1 / RT1 Standard Grössen





PCM be driven.

Artikel Nr	DIN Gr.	α	D max	A	B	C	E	K	L
ET1									
ET1-12...	11	8°	3.55	11.50	8.50	13.00	5.50	7.00	18.00
ET1-16...	16	8°	6.30	17.00	10.50	18.00	7.00	11.00	22.00
ET1-20...	20	8°	7.10	21.00	11.50	19.50	7.00	14.00	24.00
ET1-25...	25	8°	10.00	26.00	13.50	20.50	8.00	19.00	26.00
ET1-32...	32	8°	12.50	33.00	14.50	28.50	10.00	23.00	33.00
ET1-40...	40	8°	17.00	41.00	15.50	38.50	13.00	28.00	42.00
RT1									
RT1-61...	10	2.85°	6.30	15.15	9.00	18.00	7.00	11.00	22.00
RT1-62...	12	2.85°	7.10	17.75	9.50	21.50	7.00	14.00	24.00
RT1-63...	16	2.85°	10.00	22.65	12.50	22.00	8.00	19.00	26.00
RT1-64...	20	2.85°	12.50	27.40	14.00	29.00	10.00	23.00	33.00
RT1-65...	25	2.85°	17.00	32.90	14.00	38.00	13.00	28.00	40.00

PCM Zangen

ET1 / RT1 Gewindebohrzangen



ET1 (DIN 6499, ER/ESX, 8°)
RT1 (DIN 6388, 2.85°)

Um Gewindebohrzangen der RT1 Serien zu bestellen,
ET1 durch RT1 ersetzen.
Beispiel : ET1-16400 = RT1-16400

Ø Schaft	ET1-12	ET1-16	ET1-20	ET1-25	ET1-32	ET1-40	ISO/DIN/Japan
1.00	ET1-12100AL	ET1-16100AL					
1.40	ET1-12140	ET1-16140					D
1.50	ET1-12150AL	ET1-16150AL					
1.60	ET1-12160	ET1-16160					D
1.80	ET1-12180	ET1-16180					D
2.00	ET1-12200	ET1-16200					I
2.20	ET1-12221	ET1-16221	ET1-20221				D
2.24	ET1-12224	ET1-16224	ET1-20224				I
2.50	ET1-12250	ET1-16250	ET1-20250	ET1-25250			I/D
2.80	ET1-12280	ET1-16280	ET1-20280	ET1-25280			I/D
3.00	ET1-12300	ET1-16300	ET1-20300	ET1-25300			J
3.15	ET1-12315	ET1-16315	ET1-20315	ET1-25315			I
3.50	ET1-12350	ET1-16350	ET1-20350	ET1-25350			D
3.55	ET1-12355	ET1-16355	ET1-20355	ET1-25355			I
4.00		ET1-16400	ET1-20400	ET1-25400			I/D/J
4.50		ET1-16450	ET1-20450	ET1-25450	ET1-32450		I/D
5.00		ET1-16500	ET1-20500	ET1-25500	ET1-32500		I/J
5.50		ET1-16550	ET1-20550	ET1-25550	ET1-32550		D/J
5.60		ET1-16560	ET1-20560	ET1-25560	ET1-32560		I
6.00		ET1-16600	ET1-20600	ET1-25600	ET1-32600	ET1-40600	D/J
6.20		ET1-16620	ET1-20620	ET1-25620	ET1-32620	ET1-40620	J
6.30		ET1-16630	ET1-20630	ET1-25630	ET1-32630	ET1-40630	I
7.00			ET1-20700	ET1-25700	ET1-32700	ET1-40700	D/J
7.10				ET1-25710	ET1-32710	ET1-40710	I
8.00				ET1-25800	ET1-32800	ET1-40800	I/D/J
8.50				ET1-25850	ET1-32850	ET1-40850	J
9.00				ET1-25900	ET1-32900	ET1-40900	I/D
10.00				ET1-25100	ET1-32100	ET1-40100	I/D
10.50					ET1-32105	ET1-40105	J
11.00					ET1-32110	ET1-40110	D
11.20					ET1-32112	ET1-40112	I
12.00					ET1-32120	ET1-40120	D
12.50					ET1-32125	ET1-40125	I/J
14.00						ET1-40140	I/D/J

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PCM Zangen

ET1 / RT1 Gewindebohrzangen

Folge ...

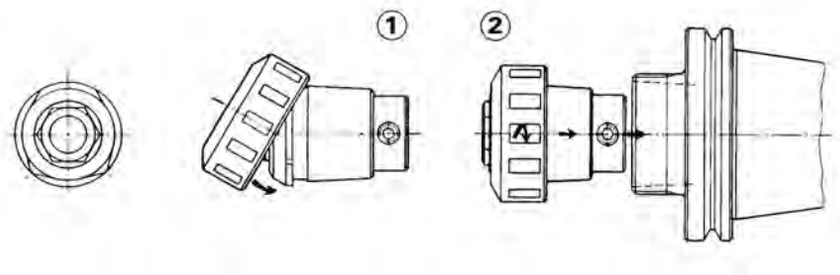


Ø Schaft	ET1-40	ET1-50	ISO/DIN/Japan
15.00	ET1-40150		J
16.00	ET1-40160		I/D
17.00	ET1-40170		J
18.00		ET1-50180	I/D
20.00		ET1-50200	I/D/J
22.00		ET1-50220	D

PCM Zangen

ET1 / RT1 Gewindebohrzangen mit Zoll-Schäfte Ø





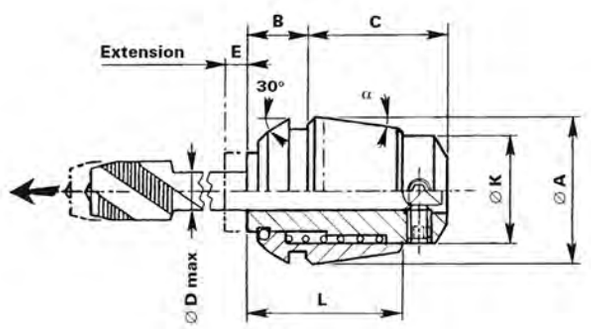
- MONTAGE der Mutter wie Fig. 1
- GEMEINSAMES EINFÜHREN der vormontierten Mutter und Zange.
- Kraftspannmuttern sind bei grossen und schwierigen Gewindebohrungen anzuwenden.

Ø Zoll-Schaft	Ø Schaft	ET1-12	ET1-16	ET1-20	ET1-25	ET1-32	ET1-40
0.141	3.580	ET1-12141	ET1-16141	ET1-20141	ET1-25141		
0.168	4.270		ET1-16168	ET1-20168	ET1-25168	ET1-32168	
0.194	4.930		ET1-16194	ET1-20194	ET1-25194	ET1-32194	
0.220	5.590		ET1-16220	ET1-20220	ET1-25220	ET1-32220	
0.255	6.480			ET1-20255	ET1-25255	ET1-32255	ET1-40255
0.318	8.080				ET1-25318	ET1-32318	ET1-40318
0.323	8.205				ET1-25323	ET1-32323	ET1-40323
0.367	9.320				ET1-25367	ET1-32367	ET1-40367
0.381	9.680				ET1-25381	ET1-32381	ET1-40381
0.429	10.900					ET1-32429	ET1-40429
0.437	11.113					ET1-32437	ET1-40437
0.480	12.192					ET1-32480	ET1-40480
0.542	13.770						ET1-40542
0.562	14.290						ET1-40562
0.590	14.990						ET1-40590
0.652	16.560						ET1-40652
0.697	17.700						ET1-40697

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PCM Zangen

Schaftdurchmesser der Gewindebohrer



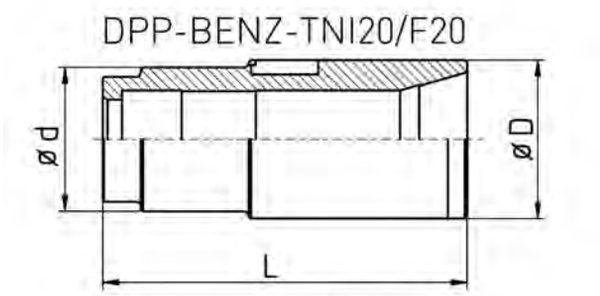
- Die Obigen Durchmesser gelten auch für andere Normen : DIN 351 / 356 / 2182 / 2183 / 5156 / 5157.
- Durchmesser * 2.24 MF3 ISO 2283 ist nur gültig für Ausführung mit langem Schaft.
- Durchmesser und Länge für Uhrmacher-Gewindebohrer sind ausser Norm.

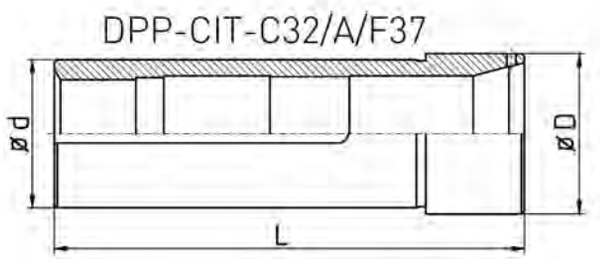
Gewinde	ISO 529	ISO 2283	DIN 371 (DIN 2181)	DIN 376	DIN 357 (DIN 374) MF	DIN 352	Japan
M1.00	2.50		2.50			2.50	3.00
M1.10	2.50		2.50			2.50	3.00
M1.20	2.50		2.50			2.50	3.00
M1.40	2.50		2.50			2.50	3.00
M1.60	2.50		2.50			2.50	3.00
M1.70	2.50		2.50			2.50	3.00
M1.80	2.50		2.50			2.50	3.00
M2.00	2.50	2.50	2.80		1.40	2.80	3.00
M2.00	2.80	2.80	2.80		1.60	2.80	3.00
M2.30	2.80	2.80	2.80		1.60	2.80	3.00
M2.50	2.80	2.80	2.80		1.80	2.80	3.00
M2.60	2.80	2.80	2.80		1.80	2.80	3.00
M3.00	3.15	3.15	3.50	2.20	2.20	3.50	4.00
MF3.00		*2.24					
M3.50	3.55	3.55	4.00	2.50	2.50	4.00	4.00
M4.00	4.00	3.15	4.50	2.80	2.80	4.50	5.00
M4.50	4.50	3.55			3.50	6.00	5.00
M5.00	5.00	4.00	6.00	3.50	3.50	6.00	5.50
M6.00	6.30	4.50	6.00	4.50	4.50	6.00	6.00
M7.00	7.10	5.60	7.00		5.50	6.00	6.20
M8.00	8.00	6.30	8.00	6.00	6.00	6.00	6.20
M9.00		7.10	9.00		7.00	7.00	7.00
M10.00	10.00	8.00	10.00	7.00	7.00	7.00	7.00
M11.00			11.00		8.00	8.00	8.00
M12.00	9.00	9.00	12.00	9.00	9.00	9.00	8.50
M14.00	11.20	11.20		11.00	11.00	11.00	10.50
M16.00	12.50	12.50		12.00	12.00	12.00	12.50
M18.00	14.00	14.00		14.00	14.00	14.00	14.00
M20.00	14.00	14.00		16.00	16.00	16.00	15.00
M22.00	16.00	16.00		18.00	18.00	18.00	17.00
M24.00	18.00	18.00		18.00	18.00	18.00	19.00
M27.00	20.00	20.00			20.00	20.00	20.00
M30.00	20.00	20.00			20.00	22.00	23.00

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Druckhülsen

Druckhülsen





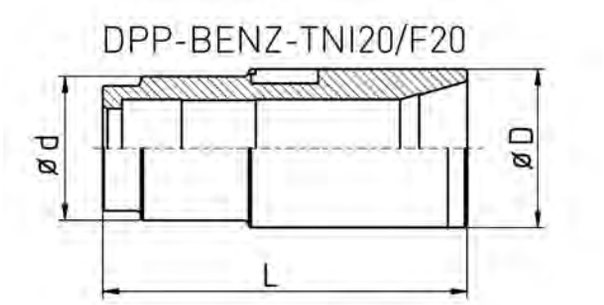


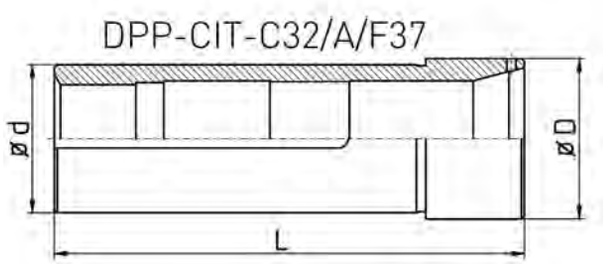
A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
BECHLER AR10						
DPP-BECH-A10/F14		24.00	20.00	62.00	117E / F14	
BENZINGER TNI 20						
DPP-BENZ-TNI20/F20		33.00	30.00/26.00	75.90	173E / F48	
BOLEY BC42						
DPP-BOLE-BC42/F48		64.50	60.00	160.20	173E / F20	
CITIZEN A20						
DPP-CIT-A20/AB/F25	A+B	44.00	42.00/40.00	126.00	145E / F25	
CITIZEN A32						
DPP-CIT-A32/A/F37	A	61.00	58.00	171.00	1536E / F37	
DPP-CIT-A32/B/F37	B	58.10	54.00	147.70	1536E / F37	
DPP-CIT-A32/B/F25	B	58.10	54.00	147.70	145E / F25	
CITIZEN B12						
DPP-CIT-B12/F15	A	24.50	23.00	89.00	120E / F15	X
DPP-CIT-B12/A/F16	A	24.50	23.00	89.00	1212 / F16	X
DPP-CIT-B12/B/F10v10	B	28.00	23.00	90.00	109E / F10	X
DPP-CIT-B12/B/F13	B	28.00	23.00	90.00	116E / F13	X
DPP-CIT-B12/B/F15	B	28.00	23.00	90.00	120E / F15	X
DPP-CIT-B12/B-F16	A	28.00	23.00	90.00	1212E / F16	X
CITIZEN C32						
DPP-CIT-C32/A/F37	A	54.00	48.00	152.50	1536E / F37	X
DPP-CIT-C32/B/F37	B	53.00	49.00	147.50	1536E / F37	X
CITIZEN E16						
DPP-CIT-E16/B/F25	B	45.00	38.00	134.50	145E / F25	X
CITIZEN E32						
DPP-CIT-E32/A/F37	A	59.00	50.00	142.00	1536E / F37	
DPP-CIT-E32/B/F37	B	59.00	50.00	160.00	1536E / F37	
CITIZEN K12						
DPP-CIT-K12/A/F15	A	33.00	28.00	180.00	120E / F15	
DPP-CIT-K12/A/F16	A	33.00	28.00	180.00	1212E / F16	
DPP-CIT-K12/B/F8v10	B	30.00	30.00	107.00	101E / F8	X
DPP-CIT-K12/B/F10v15	B	30.00	30.00	126.00	109 / F10	X
DPP-CIT-K12/B/F13	B	30.00	30.00	110.00	116E / F13	X

Druckhülsen

Druckhülsen — Folge ...







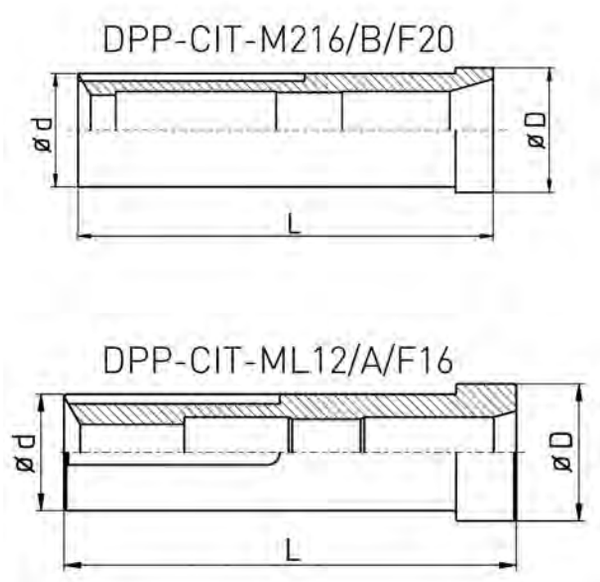
A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
CITIZEN K12						
DPP-CIT-K125/B/F15	B	30.00	30.00	110.00	120E / F15	X
DPP-CIT-K12/B/F15v15	B	30.00	30.00	128.00	120E / F15	X
DPP-CIT-K12/B/F16	B	30.00	30.00	110.00	1212E / F16	X
CITIZEN K16						
DPP-CIT-K16/A/F20	A	33.00	28.00	180.00	138E / F20	
DPP-CIT-K16/A/F22	A	33.00	28.00	180.00	140E / F22	
DPP-CIT-K16/B/F20	B	33.00	30.00	110.00	138E / F20	X
CITIZEN L16VI/VII; M20; L20						
DPP-CIT-L16/A/F25	A	46.00	35.00	103.00	145E / F25	X
CITIZEN L16						
DPP-CIT-L16/B/F15v	B	44.00	35.00	141.50	120E / F15	X
DPP-CIT-L16/B/F16v	B	44.00	35.00	141.50	1212E / F16	X
DPP-CIT-L16/B/F20	B	44.00	35.00	121.50	138E / F20	X

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Druckhülsen

Druckhülsen 2



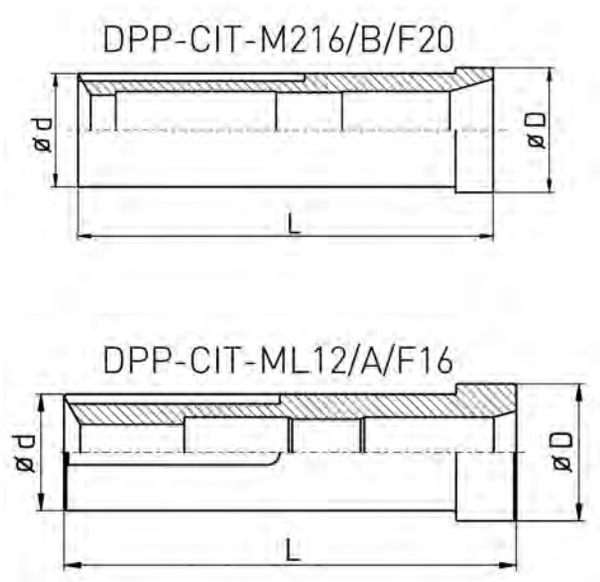


A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
CITIZEN L16VII;N20						
DPP-CIT-L16/B/F25	B	44.00	35.00	121.50	145E / F25	X
CITIZEN L520VII						
DPP-CIT-L520/A/F25	A	41.50	35.00	198.00	145E / F25	X
DPP-CIT-L520/B/F25	B	41.00	35.00	121.50	145E / F25	X
CITIZEN M12						
DPP-CIT-M12/B/F13	B	28.00	24.50	98.00	116E / F13	X
DPP-CIT-M12/B/F15	B	28.00	24.50	98.00	120E / F15	X
CITIZEN M16						
DPP-CIT-M16/A/F16	A	36.00	30.00	108.70	1212E / F16	
DPP-CIT-M16/A/F25	A	36.00	30.00	110.00	144E / F25	
DPP-CIT-M16/B/F10v15	B	33.00	30.00	127.50	109E / F10	X
DPP-CIT-M16/B/F13	B	33.00	30.00	110.00	116E / F13	X
DPP-CIT-M16/B/F16	B	30.00	30.00	108.70	1212E / F16	X
CITIZEN M216						
DPP-CIT-M216/A/F20	A	36.00	30.00	110.00	138E / F20	
DPP-CIT-M216/A/F22	A	36.00	30.00	110.00	140E / F22	
DPP-CIT-M216/B/F13v15	B	33.00	30.00	128.00	116E / F13	X
DPP-CIT-M216/B/F15	B	33.00	30.00	110.00	120E / F15	X
DPP-CIT-M216/B/F15v15	B	33.00	30.00	128.00	120E / F15	X
DPP-CIT-M216/B/F16v15	B	33.00	30.00	128.00	1212E / F16	X
DPP-CIT-M216/B/F20	B	33.00	30.00	110.00	138E / F20	X
DPP-CIT-M216/B/F22	B	33.00	30.00	110.00	140E / F22	X
CITIZEN M32						
DPP-CIT-M32/A/F37	A	53.80	48.00	155.00	1536E / F37	X
DPP-CIT-M32/B/F37	B	53.00	49.00	147.50	1536E / F37	X
CITIZEN M432						
DPP-CIT-M432/A/F37	A	58.50	54.00	152.50	1536E / F37	X
DPP-CIT-M432/A/F25	A	58.50	54.00	152.50	145E / F25	X
DPP-CIT-M432/A/F20	A	58.50	54.00	152.50	138E / F20	X
DPP-CIT-M432/B/F37	B	53.00	50.00	147.50	1536E / F37	X
DPP-CIT-M432/B/F25	B	53.00	50.00	147.50	145E / F25	X
DPP-CIT-M432/B/F20	B	53.00	50.00	150.50	138E / F20	X

Druckhülsen

Druckhülsen 2 — Folge ...





A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

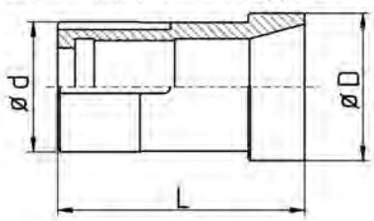
Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
CITIZEN ML12						
DPP-CIT-ML12/A/F13	A	33.00	28.00	109.00	116E / F13	X
DPP-CIT-ML12/A/F15	A	33.00	28.00	109.00	120E / F15	X
DPP-CIT-ML12/A/F16	A	33.00	28.00	109.00	1212E / F16	X
CITIZEN R04						
DPP-CIT-R04/F8		21.00	15.50	84.30	101E / F8	
CITIZEN R07						
DPP-CIT-R07/B/F8	B	21.70	21.00	84.30	101E / F8	X
DPP-CIT-R07/B/F10	B	23.70	21.00	80.00	109E / F10	X
DPP-CIT-R07/B/F13	B	23.70	21.00	79.50	116E / F13	
DPP-CIT-R07/B/F15	B	23.70	21.00	79.50	120E / F15	X
DPP-CIT-R07/B/F16	B	23.70	21.00	79.50	1212E / F16	X
ERGOMAT B60						
DPP-ERGO-B600F66		88.00	74.00	138.00	185E / F66	

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Druckhülsen

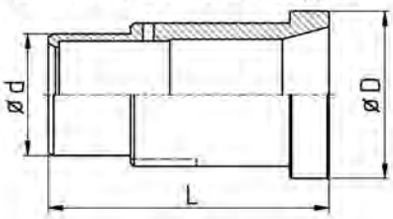
Druckhülsen 3

DPP-FEIN-FA15//F22





DPP-GILD-GLD25//30



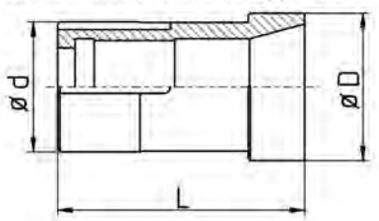
A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
FEINLER FA10						
DPP-FEIN-FA10/F15		24.00	20.00	86.00	120E/F15	X
FEINLER FA15						
DPP-FEIN-FA15/F22		37.00/32.00	27.00	61.00	140E/F22	X
GAUTHIER GM12;GM127						
DPP-GAUT-GM12/F15		24.00	18.00	97.80	120E/F15	
GAUTHIER GM127						
DPP-GAUT-GM127/F15		24.00	20.00	85.00	120E/F15	
GILDEMEISTER GD16						
DPP-GILD-GD16/F20		30.60	26.00	76.00	136E/F20	
GILDEMEISTER GD25						
DPP-GILD-GD25/F30		47.00/40.00	34.00	78.50	1446E/F30	
GILDEMEISTER Sprint 20						
DPP-GILD-SPRINT20/F25		40.70	37.00	89.50	145E/F25	
GILDEMEISTER Sprint 42						
DPP-GILD-SPRINT42/AF48	A	65.00	57.00	118.60	173E/F48	
DPP-GILD-SPRINT42/BF48	B	65.00	57.00	110.50	173E/F48	
HANWHA B12						
DPP-HAN-B12/F16		24.50	23.00	89.00	1212E/F16	
HANWHA STL38H						
DPP-HAN-STL38H/A/F48	A	70.00	56.00	139.20	F42	
DPP-HAN-STL38H/B/F42	B	58.80	52.00	137.10	173E/F48	
HANWHA ML26						
DPP-HAN-ML26/F32		48.00/46.00	44.00	100.50	173E/F48	
INDEX 12						
DPP-IND-12//F20		38.00	28.00	68.00	136E/F20	X
DPP-IND-12//F22		38.00	28.00	68.00	140E/F22	X
INDEX 18						
DPP-IND-18//F22		46.00	34.00	82.00	140E/F22	X
DPP-IND-18//F28		46.00	34.00	82.00	148E/F28*	X
INDEX 25						
DPP-IND-25//F27		52.00	42.00	82.00	147E/F27	X

Druckhülsen

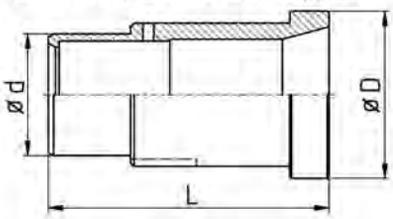
Druckhülsen 3 — Folge ...

DPP-FEIN-FA15//F22





DPP-GILD-GLD25//30



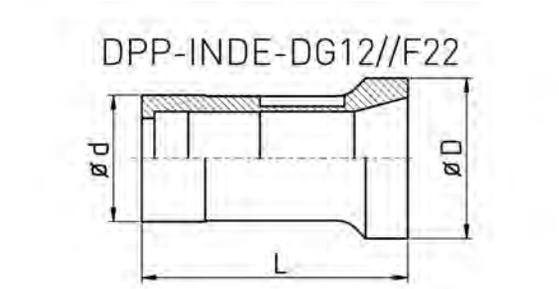
A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

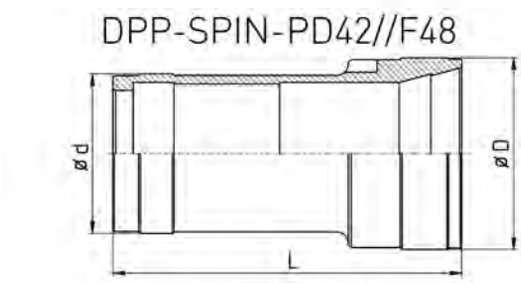
Artikel Nr	D	d	L	Zange	Mutter
INDEX 25					
DPP-IND-25//F28	52.00	42.00	82.00	148EF28	X
DPP-IND-25//F35	52.00	42.00	82.00	162EF35*	X
INDEX 52					
DPP-IND-52//F48	94.00	74.00	108.00	173E/F48	X
DPP-IND-52//F66	94.00	74.00	108.00	185E/F66*	X
INDEX B30; C29; E26; ER26;INDEX24					
DPP-IND-B30/F28	58.00	42.00	92.00	148E/F28	
DPP-IND-B30//F35/162E	58.00	42.00	92.00	162E/F35	
DPP-IND-B30//F35	58.00	42.00	92.00	163E/F35*	X
INDEX B42; 36; E42; ER42					
DPP-IND-B42/F32	70.00	56.00	104.00	161E/F32	
DPP-IND-B42/F35	70.00	56.00	104.00	163E/F35	X
DPP-IND-B42/F48	70.00	56.00	104.00	173E/F48*	X
INDEX B60; ER60; E60					
DPP-IND-B60/F48	94.00	74.00	120.00	173E/F48	X
DPP-IND-B60/F66	94.00	74.00	120.00	185E/F66*	X

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Druckhülsen

Druckhülsen 4





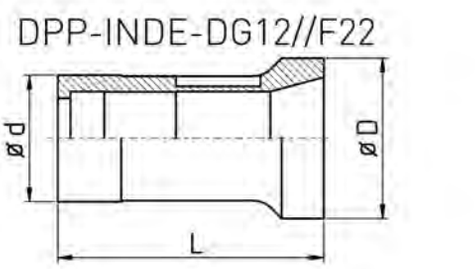


A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

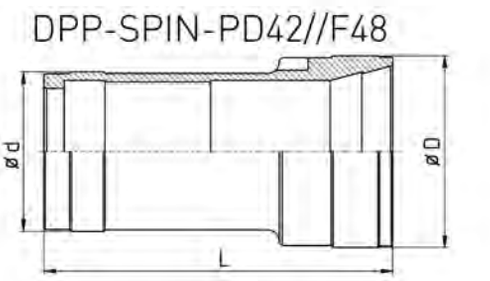
Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
INDEX C19						
DPP-INDE-C19/F28		48.00	34.00	82.00	148E/F28	X
INDEX DG12						
DPP-INDE-DG12/F22		38.00	30.00	63.50	140E/F22	X
DPP-INDE-DG12/F25		38.00	30.00	63.50	143E/F25	X
INDEX GSC65						
DPP-INDE-DSC65/F66		94.00	80.00	163.00	185E/F66	
INDEX MS25						
DPP-INDE-MS25/A/9039E	A	38.00	30.00	63.50	144E/F25	
DPP-INDE-MS25/B/F25	A	38.00	30.00	63.50	9039E/SY	
DPP-INDE-MS25/B/9039E	B	38.00	30.00	73.00	144E/F25	
DPP-INDE-MS25/A/F25	B	38.00	30.00	73.00	9039E/SY	
INDEX ON12;OR12						
DPP-INDE-ON12/F20		32.00	30.00	64.00	136E/F20	X
INDEX RN08						
DPP-INDE-RN08/F17		28.00	24.00	64.00	125E/F17	
MAIER ML26						
DPP-MAIE-ML26/A/F32	A	48.00	46.00	101.20	161E/F32	
SAIC B30						
DPP-SAIC-B30/F32		55.00	42.00	96.00	161E/F32	X
DPP-SAIC-B30/F35		55.00	42.00	96.00	163E/F35	X
SCHERER Feinbau PM1						
DPP-SCHE-PM1/F22					140E/F22	
SPINNER PD42						
DPP-SPIN-PD42/F48		66.00	55.00	120.00	173E/F48	X
SPINNER TC32						
DPP-SPIN-TC32/F35		66.00	55.00	120.00	163E/F35	X
DPP-SPIN-TC32/F38		53.00	45.00	128.40	164E/F38	X
STEINHÄUSER STF16						
DPP-STEI-STF16/F20		35.00	28.00	78.00	138E/F20	
STEINHÄUSER STF42						
DPP-STEI-STF36/F42		62.00	50.00	110.00	171E/F42	

Druckhülsen

Druckhülsen 4 — Folge ...







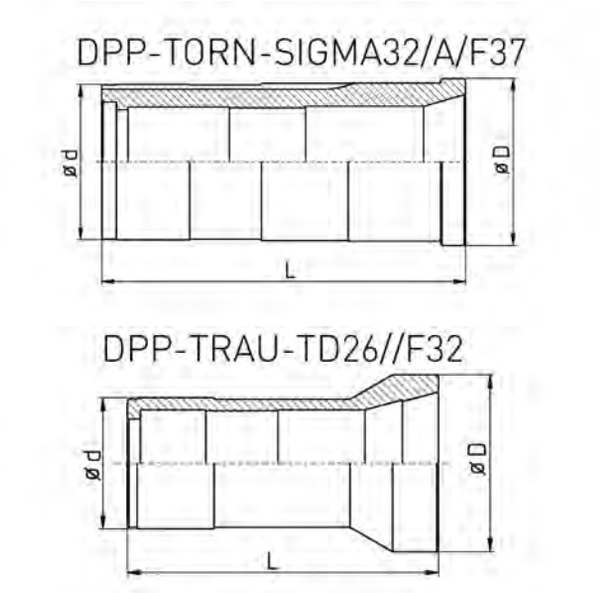
A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

Artikel Nr	D	d	L	Zange	Mutter
STROHM M105-125					
DPP-STRO-M105/F15	24.00	20.00	86.00	120E/F15	X
STROHM M125SJ					
DPP-STRO-M125SJ/F15	27.00/24.00	20.00	86.00	120E/F15	X
STROHM M205					
DPP-STRO-M205/F25	40.00	35.00	100.00	145E/F25	X
STROHM M255					
DPP-STRO-M255/F25	45.00	38.00	110.00	145E/F25	
DPP-STRO-M255/F30	45.00	38.00	110.00	157E/F30	X
STROHM M4-5; TORNOS M4					
DPP-STRO-M4/F8	15.00	12.00	66.00	101E/F8	

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Druckhülsen

Druckhülsen 5



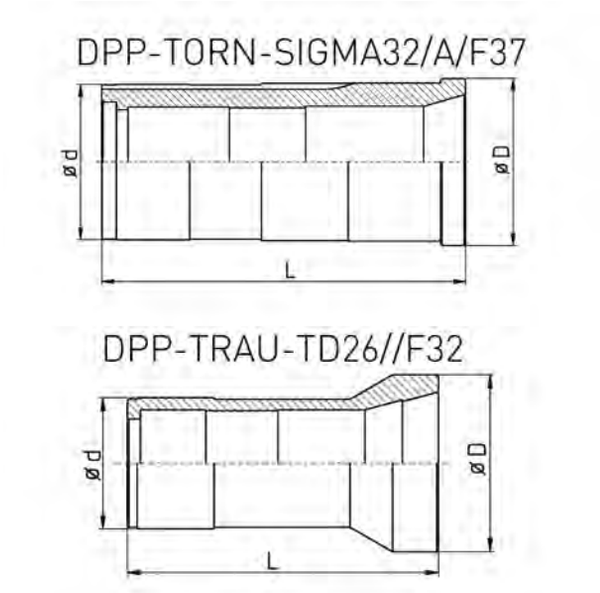


A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
TORNOS DECO10						
DPP-TORN-DECO10/F13		24.00/22.00	18.00	84.90	116E/F13	
TORNOS DECO13						
DPP-TORN-DECO13/F20		30.00	30.00	91.00	136E/F20	X
TORNOS DECO20						
DPP-TORN-DECO20/F25		42.00/40.00	38.00	105.00	145E/F25	
DPP-TORN-DECO20/F30		44.00/40.00	38.00	110.00	1446E/F30	
TORNOS DECO26						
DPP-TORN-DECO26/F37		54.00	50.00	130.00	1536E/F37	
TORNOS ENC164						
DPP-TORN-ENC164/F20		30.00	30.00	69.00	136E/F20	
TORNOS ENC 262/264						
DPP-TORN-ENC262/F30		44.00	42.00	105.00	1446E/F30	
TORNOS M15						
DPP-TORN-M15/F20		32.00	28.00	95.00	138E/F20	
TORNOS M20						
DPP-TORN-M20/F25		40.00	33.00	109.70	145E/F25	
TORNOS MS7						
TORNOS MS7/F13		24.00/22.00	18.00	85.00	116E/F13	
TORNOS R10						
TORNOS R10/F15		26.00	22.00	90.00	120E/F15	X
TORNOS R16						
TORNOS R16/F20	A	33.00	23.00	114.00	138E/F20	
TORNOS Sigma 32						
DPP-TORN-SIGMA32/A/F37	A	57.00/54.00	53.00	124.00	1536E/F37	
DPP-TORN-SIGMA32/A/F42		57.00/54.00	53.00	124.00	171E/F42	
TORNOS T4						
DPP-TORN-T4/F8		15.00	15.00	51.00	101E/F8	
TRAUB A15						
DPP-TRAU-A15/F22		33.00	33.00	52.00	140E/F22	X
TRAUB A20						
DPP-TRAU-A20/F22		42.00	34.00	67.00	140E/F22	X

Druckhülsen

Druckhülsen 5 — Folge ...





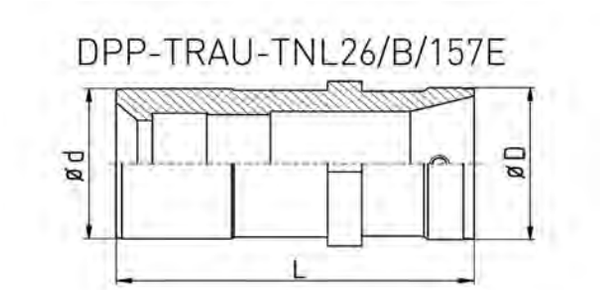
A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

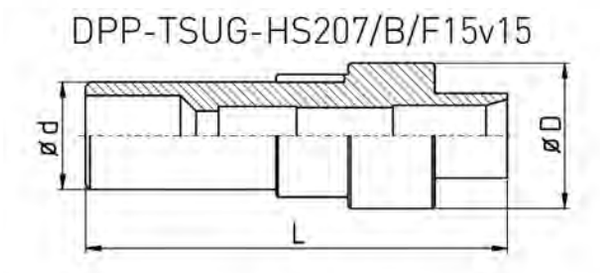
Artikel Nr	D	d	L	Zange	Mutter
TRAUB A20					
DPP-TRAU-A20/F28	42.00	34.00	67.00	140E/F28*	X
TRAUB A25					
DPP-TRAU-A25/F22	52.00	37.00	96.00	140E/F22	X
DPP-TRAU-A25/F32	52.00	37.00	96.00	161E/F32	X
TRAUB A26					
DPP-TRAU-A26/F32	52.00	40.00	96.00	161E/F32	X
TRAUB A36					
DPP-TRAU-A36/F42	63.00	52.00	116.00	171E/F42	
TRAUB A42;TB42					
DPP-TRAU-A42/F32	75.00/68.00	54.00	114.00	161E/F32	X
DPP-TRAU-A42/F48	75.00/68.00	54.00	114.00	173E/F48*	X
TRAUB A60					
DPP-TRAU-A60/F48	93.00/86.00	74.00	114.00	173E/F48	X
DPP-TRAU-A60/F66	93.00/86.00	74.00	114.00	185E/F66*	X
TRAUB TB60					
DPP-TRAU-TB60/F48	93.00/86.00	74.00	138.00	173E/48	X
DPP-TRAU-TB60/F66	93.00/86.00	74.00	138.00	185E/F66*	X
TRAUB TC15					
DPP-TRAU-TC15/F22	38.00	28.00	70.00	140E/F22	
TRAUB TC16					
DPP-TRAU-TD16/F22	40.00	28.00	70.00	140E/F22	
TRAUB TD26					
DPP-TRAU-TD26/F32	54.00	40.00	95.00	161E/F32	X
TRAUB TD36					
DPP-TRAU-TD36/F32	68.00	50.00	115.00	161E/F32	X
TRAUB TF60					
DPP-TRAU-TF60/F66	95.00	82.00	138.00	185E/F66	
TRAUB TNF60/140					
DPP-TRAU-TNF60/F66	95.00	75.00	138.00	185E/F66	X

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Druckhülsen

Druckhülsen 6





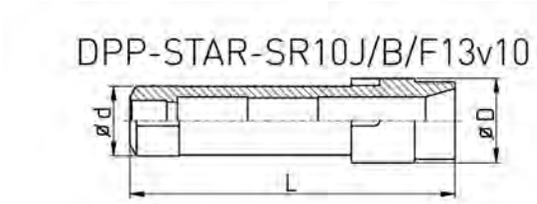


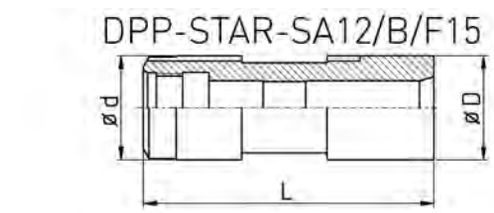
A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

Artikel Nr	Spindel A/B	D	d	L	Zange
TRAUB TNL12					
DPP-TRAU-TNL12/A/F15	A	25.00	25.00	75.00	120E/F15
DPP-TRAU-TNL12/B/F15	B	25.00	21.00	88.00	120E/F15
DPP-TRAU-TNL12/F16		25.00	25.00	75.00	1212E/F16
TRAUB TNL12/7					
DPP-TRAU-TNL127/F20		26.90	25.00	76.00	136E/F20
TRAUB TNL12/16					
DPP-TRAU-TNL12/F25		35.00	30.00	88.00	144E/F25
TRAUB TNL12K					
DPP-TRAU-TNL12K/F15		30.00	30.00	75.00	120E/F15
DPP-TRAU-TNL12K/F16		30.00	30.00	75.00	1212E/F16
TRAUB TNL16					
DPP-TRAU-TNL16/F20		35.00	30.00	88.00	138E/F20
DPP-TRAU-TNL16/F25		35.00	30.00	88.00	144E/F25
TRAUB TNL26					
DPP-TRAU-TNL26/A/F30	A	54.00	46.00	122.20	157E/F30
DPP-TRAU-TNL26/B/F30	B	46.50	50.50/46.00	92.80	157E/F30
TRAUB TNS42					
DPP-TRAU-TNS42/F48		70.00	60.00	135.00	173E/F48
DPP-TRAU-TNS42/F58		70.00	60.00	135.00	177E/F58
TSUGAMI BS32					
DPP-TSUG-BS32/F37		47.00	45.00	129.00	1536E/F37
TSUGAMI HS207					
DPP-TSUG-HS207/B/F15v15	B	38.00/32.00	28.00	111.10	120E/F15
DPP-TSUG-HS207/B/F25	B	38.00/32.00	28.00	92.00	145E/F25

Druckhülsen

Druckhülsen 7







A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich

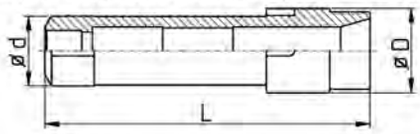
Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
STAR SR10J						
DPP-STAR-SR10J/A/F8	A	27.00	21.00	83.00	101E/F8	
DPP-STAR-SR10J/A/F15	A	27.00	21.00	83.00	120E/F15	X
DPP-STAR-SR10J/B/F8	B	24.00	20.00	82.50	101E/F8	X
DPP-STAR-SR10J/B/F8v10	B	24.00	20.00	92.50	101E/F8	X
DPP-STAR-SR10J/B/F10v15	B	24.00	20.00	97.50	109E/F10	X
DPP-STAR-SR10J/B/F13	B	24.00	20.00	81.00	116E/F13	X
DPP-STAR-SR10J/B/F13v10	B	24.00	20.00	92.50	116E/F13	X
DPP-STAR-SR10J/B/F13v15	B	24.00	20.00	97.50	116E/F13	X
DPP-STAR-SR10J/B/F15	B	24.00	20.00	81.00	120E/F15	X
STAR SW7						
DPP-STAR-SW7/B/F7v15	B	27.00	21.00	109.00	1010E/F7	X
DPP-STAR-SW7/B/F8	B	27.00	21.00		101E/F8	X
DPP-STAR-SW7/B/F10v15	B	27.00	21.00	109.00	109E/F10	X
DPP-STAR-SW7/B/F13v10	B	27.00	21.00		116E/F13	X
DPP-STAR-SW7/B/F13v15	B	27.00	21.00		116E/F13	X
DPP-STAR-SW7/B/F15	B	27.00	21.00	90.00	120E/F15	X
STAR SA12						
DPP-STAR-SA12/A/F20	A	42.00	34.00	87.00	138E/F20	X
DPP-STAR-SA12/A/F22	A	42.00	34.00	87.00	140E/F22	
DPP-STAR-SA12/A/F25	A	42.00	34.00	87.00	144E/F25	
DPP-STAR-SA12/B/F8v15	B	31.50	31.50	105.00	101E/F8	X
DPP-STAR-SA12/B/F10v10	B	31.50	31.50	99.70	109E/F10	X
DPP-STAR-SA12/B/F10v15	B	31.50	31.50	104.70	109E/F10	X
DPP-STAR-SA12/B/F13v15	B	31.50	31.50	105.00	116E/F13	X
DPP-STAR-SA12/B/F15	B	31.50	31.50	88.50	120E/F15	X
DPP-STAR-SA12/B/F20	B	31.50	31.50	87.50	138E/F20	X
DPP-STAR-SV12/A/F15	A	39.50	34.00	93.00	120E/F15	
DPP-STAR-SV12/A/F20	A	39.50	34.00	93.00	138E/F20	X
STAR RNC16						
DPP-STAR-RNC16/B/F20	B	31.00	26.00	90.00	138E/F20	X
DPP-STAR-RNC16/B/F20v15	B	31.00	26.00	105.00	138E/F20	X

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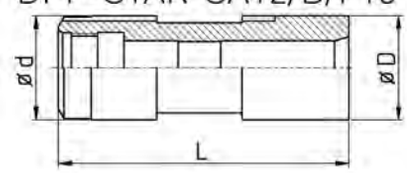
Druckhülsen

Druckhülsen 7 — Folge ...

DPP-STAR-SR10J/B/F13v10



DPP-STAR-SA12/B/F15



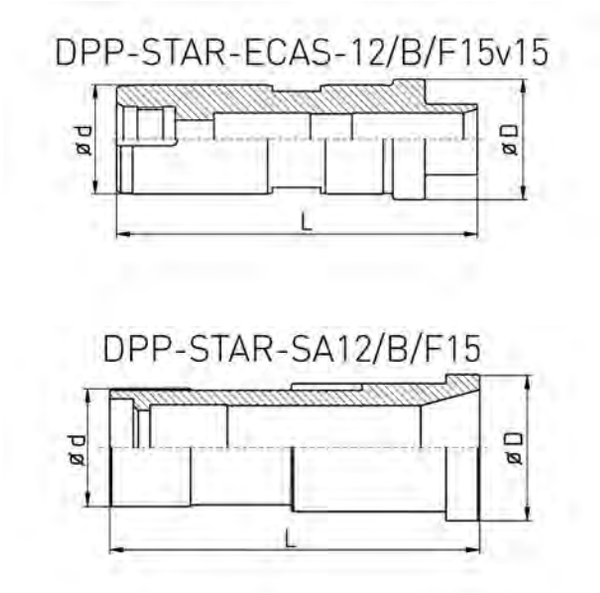


A = Hauptspindel
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X = passende Überwurfmutter erhältlich

Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
STAR RNC16 anc.						
DPP-STAR-RNC16anc/B/F15	B	25.00	24.00	90.00	120E/F15	X
DPP-STAR-RNC16anc/B/F18	B	25.00	24.00	90.00	128E/F18	X

Druckhülsen

Druckhülsen 8





A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich
# = verlängert

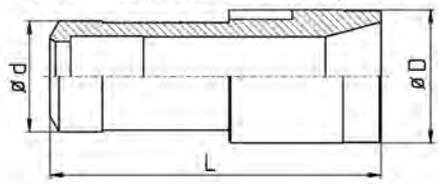
Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
STAR ECAS12						
DPP-STAR-ECAS12/B/F8v15	B	37.50	34.00	113.50	101E/F8	X
DPP-STAR-ECAS12/B/F10v15	B	37.50	34.00	113.50	109E/F10	X
DPP-STAR-ECAS12/B/F15v15	B	37.50	34.00	112.30	120E/F15	X
DPP-STAR-ECAS12/B/F20	B	37.50	34.00	96.00	138E/F20	X
STAR SR16						
DPP-STAR-SR16/B/F20	B	35.00	31.00	122.00	138E/F20	X
STAR SR16R						
DPP-STAR-SR16R/B/F20	B	42.00	35.00	101.00	138E/F20	X
STAR SR20R I / II / III						
DPP-STAR-SR20R/A/F15	A	43.40	38.00/34.00	114.00	120E/F15	X
DPP-STAR-SR20R/A/F16	A	43.40	38.00/34.00	114.00	1212E/F16	X
DPP-STAR-SR20R/A/F20	A	43.40	38.00/34.00	110.00	138E/F20	X
DPP-STAR-SR20R/A/F25	A	43.40	38.00/34.00	110.00	145E/F25	X
DPP-STAR-SR20R/A/F27	A	43.40	38.00/34.00	110.00	147E/F27	X
DPP-STAR-SR20R/B/F8v15	B	42.00	35.00	121.50	101E/F8	X
DPP-STAR-SR20R/B/F10v15	B	42.00	35.00	121.50	109E/F10	X
DPP-STAR-SR20R/B/F13v15	B	42.00	35.00	121.50	116E/F13	X
DPP-STAR-SR20R/B/F15	B	42.00	35.00	105.00	120E/F15	X
DPP-STAR-SR20R/B/F15v15	B	42.00	35.00	120.30	120E/F15	X
DPP-STAR-SR20R/B/F15v8	B	42.00	35.00	115.30	120E/F15	X
DPP-STAR-SR20R/B/F20/138E	B	42.00	35.00	101.00	138E/F20	X
DPP-STAR-SR20R/B/F20/136E	B	42.00	35.00	106.00	136E/F20	X
DPP-STAR-SR20R/B/F20v12	B	42.00	35.00	116.00	138E/F20	X
DPP-STAR-SR20R/B/F25	B	42.00	35.00	101.00	145E/F25	X
DPP-STAR-SR20R/B/F27	B	42.00	35.00	101.00	147E/F27	X
DPP-STAR-SR20R/B/F27L #	B	42.00	35.00	103.00	147E/F27	X

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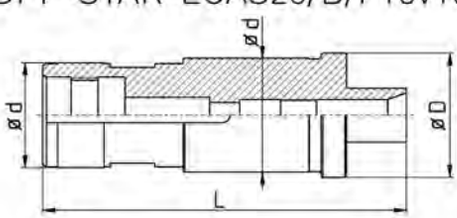
Druckhülsen 9

DPP-STAR-SR20/A/F27





DPP-STAR-ECAS20/B/F10v15



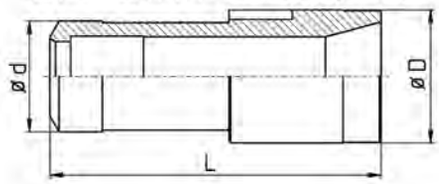
A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich
# = verlängert

Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
STAR SR20RIV						
DPP-STAR-SR20R4/A/F25	A	43.50	38.00/35.00	107.00	145E/F25	X
DPP-STAR-SR20R4/A/F27	A	43.50	38.00/35.00	109.00	147E/F27	X
STAR SR20						
DPP-STAR-SR20/A/F10v15	A	42.00	35.00	122.00	109E/F10	X
DPP-STAR-SR20/A/F25	A	42.00	35.00	104.50	145E/F25	X
DPP-STAR-SR20/A/F27	A	42.00	35.00	104.50	147E/F27	X
STAR KJR25						
DPP-STAR-KJR25/A/F30	A	53.00	46.00	103.00	157E/F30	X
DPP-STAR-KJR25/A/F35	A	53.00	46.00	103.00	162E/F35	X
DPP-STAR-KJR25/B/F30	B	47.00	46.00/41.00	142.00	157E/F30	X
STAR-ECAS20						
DPP-STAR-ECAS20/B/F8v15	B	41.50	38.00/35.00	122.00	101E/F8	X
DPP-STAR-ECAS20/B/F10v15	B	41.50	38.00/35.00	121.50	109E/F10	X
DPP-STAR-ECAS20/B/F15v15	B	41.50	38.00/35.00	120.80	120E/F15	X
DPP-STAR-ECAS20/B/F16v15	B	41.50	38.00/35.00	120.80	1212E/F16	X
DPP-STAR-ECAS20/B/F20	B	41.50	38.00/35.00	104.50	138E/F20	X
DPP-STAR-ECAS20/B/F25	B	41.50	38.00/35.00	101.50	145E/F25	X
DPP-STAR-ECAS20/B/F27	B	41.50	38.00/35.00	101.60	147E/F27	X
DPP-STAR-ECAS20/B/F27L #	B	41.50	38.00/35.00	104.50	147E/F27	X
STAR-SV32						
DPP-STAR-SV32/A/F25	A	56.00	48.00	140.00	145E/F25	
DPP-STAR-SV32/A/F30	A	56.00	48.00	140.00	1446E/F30	
DPP-STAR-SV32/A/F37	A	56.00	48.00	140.00	1356E/F37	X
DPP-STAR-SV32/A/F40	A	56.00	48.00	140.00	F40	X
DPP-STAR-SV32/A/F15v30	B	55.00	51.00	157.10	120E/F15	
DPP-STAR-SV32/A/F20v20	B	55.00	51.00	148.00	138E/F20	
DPP-STAR-SV32/B/F25	B	55.00	51.00	125.00	145E/F25	
DPP-STAR-SV32/B/F30	B	55.00	51.00	129.00	1446E/F30	
DPP-STAR-SV32/B/F37	B	55.00	51.00	125.00	1536E/F37	X
DPP-STAR-SV32/B/F40	B	55.00	51.00	125.00	F40	X
DPP-STAR-SR32/A/F37	A	56.00	48.00	136.00	1356E/F37	X

Druckhülsen

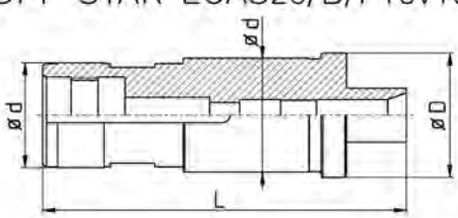
Druckhülsen 9 — Folge ...

DPP-STAR-SR20/A/F27





DPP-STAR-ECAS20/B/F10v15



A = Hauptspindel
B = Abgreifspindel
X = passende Überwurfmutter erhältlich
# = verlängert

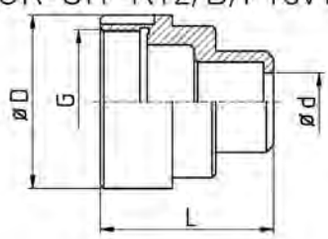
Artikel Nr	Spindel A/B	D	d	L	Zange	Mutter
STAR-ST38						
DPP-STAR-ST38/A/F37	A	70.00	63.50/60.00	131.50	1536E/F37	X
DPP-STAR-ST38/A/F42	A	70.00	63.50/60.00	133.00	F42	X
DPP-STAR-ST38/A/F48	A	70.00	63.50/60.00	133.00	173E/F48	X
DPP-STAR-ST38/B/F37	B	70.00	63.50/60.00	131.50	1356E/F37	X
DPP-STAR-ST38/B/F42	B	70.00	63.50/60.00	133.00	F42	X
DPP-STAR-ST38/B/F48	B	70.00	63.50/60.00	133.00	173E/F48	X

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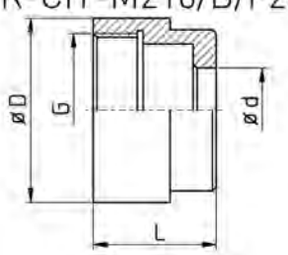
Druckhülsen

Überwurfmuttern für Druckhülsen

ECR-CIT-K12/B/F15v15



ECR-CIT-M216/B/F20





A = Hauptspindel
B = Abgreifspindel

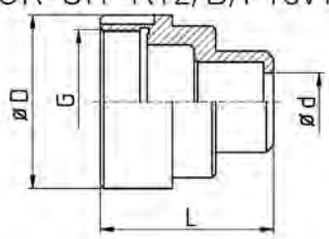
Artikel Nr	Spindel A/B	D	G	L	Zange
CITIZEN B12					
ECR-CIT-B12/A/F15	A	42.00	M32x1.00	32.00	120E/F15
ECR-CIT-B12/A/F16	A	42.00	M32x1.00	21.00	1212E/F16
ECR-CIT-B12/B/F10v10	B	42.00	M32x1.00	35.00	109E/F10
ECR-CIT-B12/B/F13	B	42.00	M32x1.00		116E/F13
ECR-CIT-B12/B/F15	B	42.00	M32x1.00	25.00	120E/F15
ECR-CIT-B12/B/F16	B	42.00	M32x1.00	25.00	1212E/F16
CITIZEN E16					
ECR-CIT-E16/B/F25	B	66.00	M50x1.50	42.00	145E/F25
CITIZEN E32					
ECR-CIT-E32/A/F37	A	92.00	M75x1.50	42.00	1536E/F37
ECR-CIT-E32/B/F37	B	80.00	M70x1.50	43.00	1536E/F37
CITIZEN K12					
ECR-CIT-K12/B/F10v15	B	48.00	M40x1.50	47.00	109E/F10
ECR-CIT-K12/B/F13	B	48.00	M40x1.50	32.00	116E/F13
ECR-CIT-K12/B/F15	B	48.00	M40x1.50	32.00	120E/F15
ECR-CIT-K12/B/F15v15	B	48.00	M40x1.50	47.00	120E/F15
ECR-CIT-K12/B/F16	B	48.00	M40x1.50	32.00	1212E/F16
ECR-CIT-K12/B/F8v10	B	48.00	M40x1.50	42.00	101E/F8
CITIZEN K16					
ECR-CIT-K16/B/F20	B	48.00	M40x1.50	32.00	138E/F20
CITIZEN L16VI/VII; M20; L20					
ECR-CIT-L16/A/F25	A	66.00	M50x1.50	43.00	145E/F25
CITIZEN L16/VII; M20					
ECR-CIT-L16/B/F15V	B	60.00	M50x1.50		120E/F15
ECR-CIT-L16/B/F16V	B	60.00	M50x1.50		1212E/F16
ECR-CIT-L16/B/F20	B	60.00	M50x1.50	38.00	138E/F20
ECR-CIT-L16/B/F25	B	60.00	M50x1.50	40.00	145E/F25
CITIZEN L16I					
ECR-CIT-L16I/A/F25	A	60.00	M50x1.50	55.00	145E/F25
CITIZEN L520VIII					
ECR-CIT-L520/A/F25	A	60.00	M50x1.50	58.00	145E/F25
ECR-CIT-L520/B/F25	B	60.00	M50x1.50	47.00	145E/F25

Druckhülsen

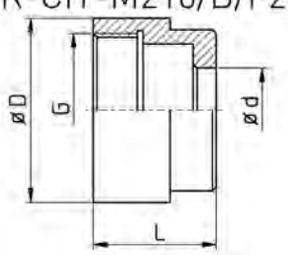
Überwurfmuttern für Druckhülsen

Folge ...

ECR-CIT-K12/B/F15v15



ECR-CIT-M216/B/F20





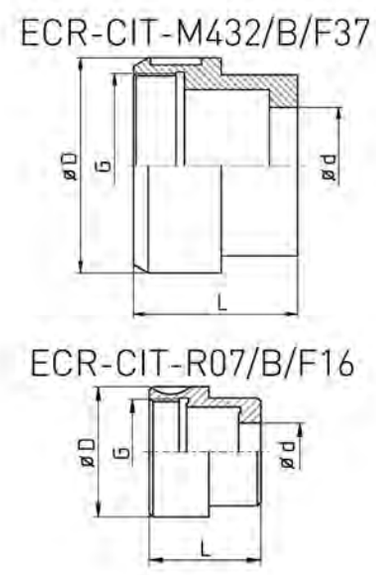
A = Hauptspindel
B = Abgreifspindel

Artikel Nr	Spindel A/B	D	G	L	Zange
CITIZEN M12					
CITIZEN M12/B/F13	B	45.00	M35x1.50		116E/F13
CITIZEN M12/B/F15	B	45.00	M35x1.50	32.00	120E/F15
CITIZEN M16					
CITIZEN M16/B/F10v15	B		M40x1.50		109E/F10
CITIZEN M16/B/F13	B		M40x1.50		116E/F13
CITIZEN M16/B/F16	B		M40x1.50		1212E/F16
CITIZEN M216					
CITIZEN M216/B/F13v15	B	48.00	M40x1.50	47.00	116E/F13
CITIZEN M216/B/F15	B	48.00	M40x1.50		120E/F15
CITIZEN M216/B/F15v15	B	48.00	M40x1.50		120E/F15
CITIZEN M216/B/F16v15	B	48.00	M40x1.50		1212E/F16
CITIZEN M16/B/F20	B	48.00	M40x1.50	32.00	138E/F20
CITIZEN M16/B/F22	B	48.00	M40x1.50	32.00	140E/F22

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Druckhülsen

Überwurfmuttern für Druckhülsen 2



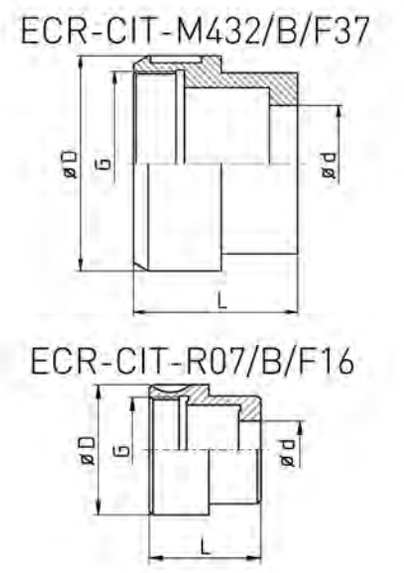


A = Hauptspindel
B = Abgreifspindel

Artikel Nr	Spindel A/B	D	G	L	Zange
CITIZEN M32					
ECR-CIT-M32/A/F37	A	75.00	M65x1.50	74.00	1536E/F37
ECR-CIT-M32/B/F37	B	76.00	M65x1.50	53.00	1536E/F37
CITIZEN M432					
ECR-CIT-M432/A/F37	A	80.00	M70x1.50	74.00	1536E/F37
ECR-CIT-M432/A/F25	A	80.00	M70x1.50		145E/F25
ECR-CIT-M432/A/F20	A	80.00	M70x1.50		138E/F20
ECR-CIT-M432/B/F37	A	80.00	M70x1.50	74.00	1536E/F37
ECR-CIT-M432/B/F25	A	80.00	M70x1.50		145E/F25
ECR-CIT-M432/B/F20	A	80.00	M70x1.50		138E/F20
CITIZEN ML12					
ECR-CIT-ML12/A/F13	A	47.00	M40x1.50	43.50	116E/F13
ECR-CIT-ML12/A/F15	A	47.00	M40x1.50	43.50	120E/F15
ECR-CIT-ML12/A/F16	A	47.00	M40x1.50	43.50	1212E/F16
CITIZEN R07					
ECR-CIT-R07/B/F8	B	35.00	M28x1.00	30.00	101E/F8
ECR-CIT-R07/B/F10	B	35.00	M28x1.00	30.00	109E/F10
ECR-CIT-R07/B/F15	B	35.00	M28x1.00	30.00	120E/F15
ECR-CIT-R07/B/F16	B	35.00	M28x1.00	30.00	1212E/F16
FEINLER FA10					
ECR-FEIN-FA10/F15		38.00	M32x1.50	23..00	120E/F15
FEINLER FA15					
ECR-FEIN-FA15/F22		46.00	M40x1.50	26.00	140E/F22
INDEX 12					
ECR-INDE-12/F20		64.50	M52x2.00L	31.50	136E/F20
ECR-INDE-12/F22		64.50	M52x2.00L	31.50	140E/F22*
INDEX 18					
ECR-INDE-18/F22		68.00	M58x2.00L	31.50	140E/F22
ECR-INDE-18/F28		68.00	M58x2.00L	31.50	148E/F28*
INDEX 24					
ECR-INDE-24/F35/162E		88.00	M74x2.00L	38.50	162E/F35
ECR-INDE-24/F28		88.00	M74x2.00L	38.50	148E/F28
ECR-INDE-24/F35		88.00	M74x2.00L	38.50	163E/F35*

Druckhülsen

Überwurfmuttern für Druckhülsen 2 — Folge ...





A = Hauptspindel
B = Abgreifspindel

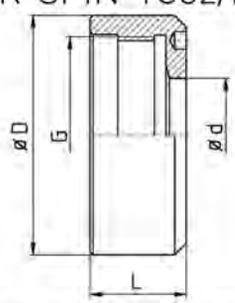
Artikel Nr	D	G	L	Zange
INDEX 25				
ECR-INDE-25/F35	72.00	M63x2.00L	31.50	162E/F35*
ECR-INDE-25/F27	72.00	M63x2.00L	31.50	147E/F27
ECR-INDE-25/F28	72.00	M63x2.00L	31.50	148E/F28
INDEX 52				
ECR-INDE-52/F48	117.00	M108x2.00L	41.50	173E/F48
ECR-INDE-52/F66	117.00	M108x2.00L	41.50	185E/F66*
INDEX B30				
ECR-INDE-B30/F35	88.00	M74x2.00L	38.50	163E/F35*
INDEX B42;36				
ECR-INDE-B42/F35	97.00	M85x2.00L	38.50	163E/F35*
ECR-INDE-B42/F48	97.00	M85x2.00L	38.50	173E/F48*
INDEX B60				
ECR-INDE-B60/F48	122.00	M108x2.00L	34.00	173E/F48
ECR-INDE-B60/F66	122.00	M108x2.00L	34.00	185E/F66*

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Druckhülsen

Überwurfmuttern für Druckhülsen 3

ECR-SPIN-TC32/F38





ECR-TORN-DECO2000-13/136E



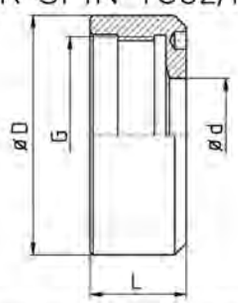
A = Hauptspindel
B = Abgreifspindel

Artikel Nr	D	G	L	Zange
INDEX C19				
ECR-INDE-C19/F28	73.00	M63x2.00L	34.00	148E/F28
INDEX C29				
ECR-INDE-C29/F35/162E	84.50	M74x2.00L	35..00	162E/F35
ECR-INDE-C29/F28	84.50	M74x2.00L	35.00	148E/F28
ECR-INDE-C29/F35	84.50	M74x2.00L	35.00	163E/F35*
INDEX DG12				
ECR-INDE-DG12/143E	62.00	M52x2.00L	23.00	143E/F25*
ECR-INDE-DG12/F22	62.00	M52x2.00L	23.00	140E/F22
INDEX E25-26; ER25-26				
ECR-INDE-E25/F35	83.00		13.00	163E/F35*
INDEX E42; ER42				
ECR-INDE-E42/F35	102.00	M85x2.00L	30.00	163E/F35*
ECR-INDE-E42/F48	102.00	M85x2.00L	30.00	173E/F48*
INDEX E60; ER60				
ECR-INDE-E60/F48	136.00		16.00	173E/F48*
ECR-INDE-E60/F66	136.00		16.00	185E/F66*
INDEX ON12; OR12				
ECR-INDE-ON12/136E	45.00	M40x1.50L		136E/F20
SAIC B30				
ECR-SAIC-B30/F32	79.00	M66x3.00	39.00	161E/F32
ECR-SAIC-B30/F35	79.00	M66x3.00	39.00	163E/F35*
SPINNER PD42				
ECR-SPIN-PD42/F48	90.00	M80x2.00	35.00	173E/F48
SPINNER TC32				
ECR-SPIN-TC32/F35	82.00	M68x3.00	33.00	163E/F35
ECR-SPIN-TC32/F38	82.00	M68x3.00	33.00	164E/F38
STROHM M105-125				
ECR-STRO-M105/F15	34.00	M30x1.50	20.00	120E/F15
STROHM M125SJ				
ECR-STRO-M125SJ/F15	34.00		40.00	120E/F15
STROHM M205; M255				
ECR-STRO-M205/F25	63.00	M56x1.50	40.00	145E/F25

Druckhülsen

Überwurfmuttern für Druckhülsen 3 — Folge ...

ECR-SPIN-TC32/F38





ECR-TORN-DECO2000-13/136E



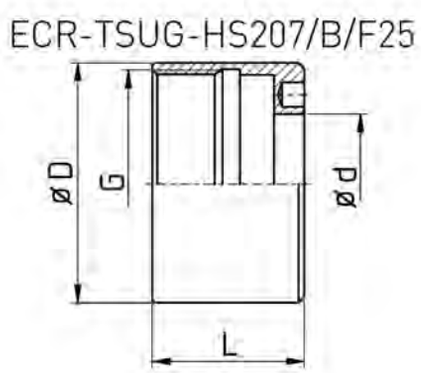
A = Hauptspindel
B = Abgreifspindel

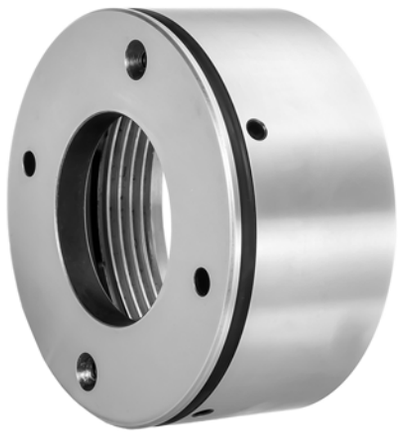
Artikel Nr	Spindel A/B	D	G	L	Zange
STROHM M255					
ECR-STRO-M255/157E		63.00	M56x1.50	40.00	157E/F30*
TORNOS AS14					
ECR-TORN-AS14/B/F16	B	38.00	M32x1.00L	15.00	1212E/F16
TORNOS DECO2000/13					
ECR-TORN-DECO2000-13/136E		45.00	M40x1.50	30.00	136E/F20
TRAUB A15					
ECR-TRAU-A15/F22		53.00	M43.5x2.00	45.00	140E/F22
TORNOS R10					
ECR-TORN-R10/F15		37.50	M33x1.25L	17.00	120E/F15
TRAUB A20					
ECR-TRAU-A20/F22		63.00	M52x3.00	39.00	140E/F22
ECR-TRAU-A20/F28		63.00	M52x3.00	39.00	148E/F28
TRAUB A25					
ECR-TRAU-A25/F22		72.00	M62x2.50	39.00	140E/F22
ECR-TRAU-A25/F32		72.00	M62x2.50	39.00	161E/F32*
TRAUB A26					
ECR-TRAU-A26/F32		72.00	M62x2.50	39.00	161E/F32

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Druckhülsen

Überwurfmuttern für Druckhülsen 4



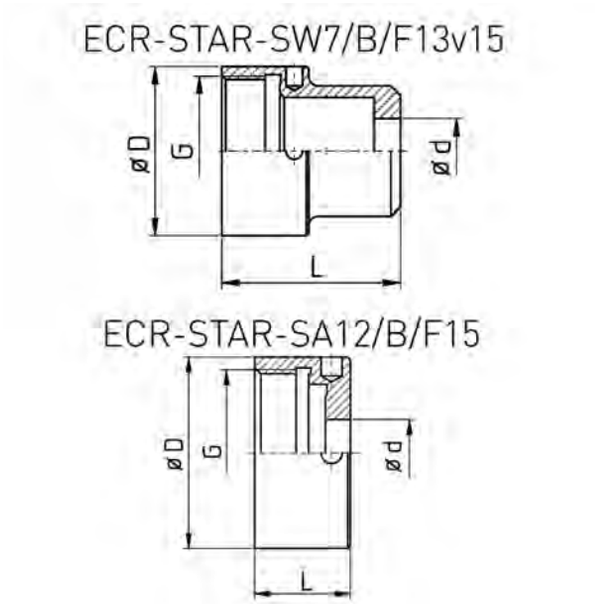


A = Hauptspindel
B = Abgreifspindel

Artikel Nr	D	G	L	Zange
TRAUB A42; TB42				
ECR-TRAU-A42/F32	91.00	M80x3.00	46.00	161E/F32
ECR-TRAU-A42/F48	91.00	M80x3.00	46.00	173E/F48*
TRAUB A60				
ECR-TRAU-A60/F32	105.00	M98x3.00	44.50	161E/F32
ECR-TRAU-A60/F48	105.00	M98x3.00	44.50	173E/F48
ECR-TRAU-A60/F66	105.00	M98x3.00	44.50	185E/F66*
TRAUB TB60				
ECR-TRAU-TB60/F48	105.00	M98x3.00	44.50	173E/F48
ECR-TRAU-TB60/F66	105.00	M98x3.00	44.50	185E/F66*
TRAUB TD26 dès 1976				
ECR-TRAU-TD26/F32	78.00	M70x3.00	40.00	161E/F32
TRAUB TD26 jusqu'a 1976				
ECR-TRAU-TD26anc/F32	78.00	M70x3.00	40.00	161E/F32
TRAUB TD36 dès 1976				
ECR-TRAU-TD36/F32	86.00	M80x3.00	40.00	161E/F32
ECR-TRAU-TD36/F42	86.00	M80x3.00	40.00	171E/F42*
TRAUB TD36 jusqu'a 1976				
ECR-TRAU-TD36anc/F32	86.00	M80x3.00	40.00	161E/F32
ECR-TRAU-TD36anc/F42	86.00	M80x3.00	40.00	171E/F42
TRAUB TNF60/140				
ECR-TRAU-TNF60/F66	140.00		22.00	185E/F66*
TRAUB TNS42				
ECR-TRAU-TNS42/F48	130.00		23.00	173E/F48
ECR-TRAU-TNS42/F58	130.00		23.00	177E/F58
TSUGAMI HS207				
ECR-TSUG-HS207/B/F15v15	49.00	M46x1.50	48.00	120E/F15
ECR-TSUG-HS207/B/F25	49.00	M46x1.50	31.00	145E/F25

Druckhülsen

Überwurfmuttern für Druckhülsen 5





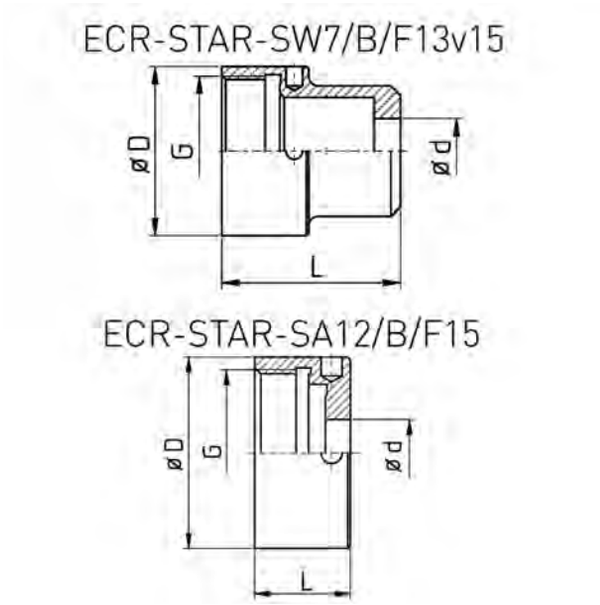
A = Hauptspindel
B = Abgreifspindel

Artikel Nr	Spindel A/B	D	G	L	Zange
STAR SR10J					
ECR-STAR-SR10J/A/F8	A	42.00	M36x1.50	23.00	109E/F8
ECR-STAR-SR10J/A/F15	A	42.00	M36x1.50	23.00	120E/F15
ECR-STAR-SR10J/B/F8	B	35.00	M31x1.50	18.00	101E/F8
ECR-STAR-SR10J/B/F8v10	B	35.00	M31x1.50	28.00	101E/F8
ECR-STAR-SR10J/B/F10v15	B	35.00	M31x1.50	33.00	109E/F10
ECR-STAR-SR10J/B/F13	B	35.00	M31x1.50	18.00	116E/F13
ECR-STAR-SR10J/B/F16v10	B	35.00	M31x1.50	29.00	116E/F13
ECR-STAR-SR10J/B/F13v15	B	35.00	M31x1.50	34.00	116E/F13
ECR-STAR-SR10J/B/F15	B	35.00	M31x1.50	18.00	120E/F15
STAR SW					
ECR-STAR-SW7/B/F7v15	B	42.00	M36x1.50	42.50	1020E/F7
ECR-STAR-SW7/B/F8	B	42.00	M36x1.50		101E/F8
ECR-STAR-SW7/B/F8v	B	42.00	M36x1.50		101E/F8
ECR-STAR-SW7/B/F10v15	B	42.00	M36x1.50	44.50	109E/F8
ECR-STAR-SW7/B/F13v10	B	42.00	M36x1.50		116E/F13
ECR-STAR-SW7/B/F13v15	B	42.00	M36x1.50		116E/F13
ECR-STAR-SW7/B/F15	B	42.00	M36x1.50	27.50	120E/F15
STAR SA12					
ECR-STAR-SA12/A/F20	A	55.00	M44x1.50	42.00	138E/F20
ECR-STAR-SA12/B/F8v15	B	46.00	M40x1.50	38.00	101E/F8
ECR-STAR-SA12/B/F10v10	B	46.00	M40x1.50	33.00	109E/F10
ECR-STAR-SA12/B/F10v15	B	46.00	M40x1.50	38.00	109E/F10
ECR-STAR-SA12/B/F13v15	B	46.00	M40x1.50	38.00	116E/F13
ECR-STAR-SA12/B/F15	B	46.00	M40x1.50	23.00	120E/F15
ECR-STAR-SA12/B/F20/136E	B	46.00	M40x1.50	23.00	136E/F20
ECR-STAR-SA12/B/F20	B	46.00	M40x1.50	23.00	138E/F20
STAR SB16					
ECR-STAR-SB16/A/F20	A	49.50	M44x1.50	40.00	138E/F20
STAR SV12					
ECR-STAR-SV12/A/F20	A	55.00	M45x1.50	38.00	138E/F20
STAR SST16					
ECR-STAR-SST16/A/F20	A	55.00	M44x1.50	42.00	138E/F20
ECR-STAR-SST16/B/F8v16	B	50.00	M44x1.50	46.00	101E/F8

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Druckhülsen

Überwurfmuttern für Druckhülsen 5 — Folge ...





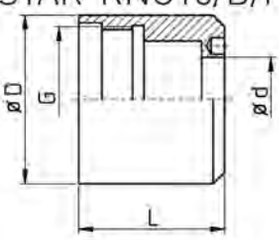
A = Hauptspindel
B = Abgreifspindel

Artikel Nr	Spindel A/B	D	G	L	Zange
STAR SST16					
ECR-STAR-SST16/B/F10v16	B	50.00	M44x1.50	46.00	109E/F10
ECR-STAR-SST16/B/F20	B	50.00	M44x1.50	30.00	138E/F20

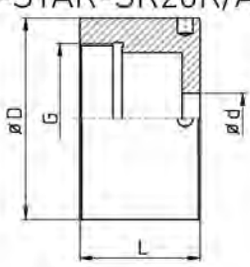
Druckhülsen

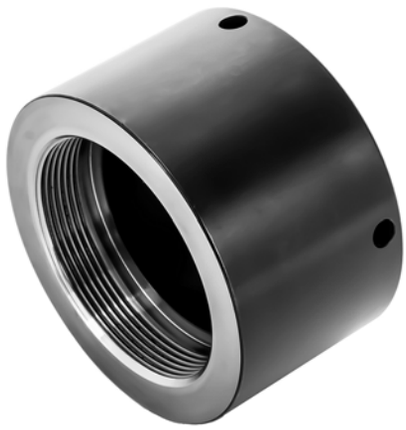
Überwurfmuttern für Druckhülsen 6

ECR-STAR-RNC16/B/F20v15



ECR-STAR-SR20R/A/F16





A = Hauptspindel
B = Abgreifspindel

Artikel Nr	Spindel A/B	D	G	L	Zange
STAR RNC16anc.					
ECR-STAR-RNC16anc../A/144E	A	44.00	M38x1.50	23.00	144E/F25
ECR-STAR-RNC16anc../B/F15	B	39.50	M33x1.50	25.00	120E/F15
ECR-STAR-RNC16anc../B/F18	B	39.50	M33x1.50	25.00	128E/F18
STAR RNC16					
ECR-STAR-RNC16/B/F20	B	44.00	M38x1.50	23.00	138E/F20
ECR-STAR-RNC16/B/F20v15	B	44.00	M38x1.50	38.00	138E/F20
STAR ECAS12					
ECR-STAR-ECAS12/B/F8v15	B	55.00	M45x1.5	53.00	101E/F8
ECR-STAR-ECAS12/B/F10v15	B	55.00	M45x1.5	54.00	109E/F10
ECR-STAR-ECAS12/B/F15v15	B	55.00	M45x1.5	53.00	120E/F15
ECR-STAR-ECAS12/B/F20	B	55.00	M45x1.5	38.00	138E/F20
STAR SR16R					
ECR-STAR-SR16R/B/F20	B	59.00	M50x1.00	41.00	138E/F20
STAR SB20RN					
ECR-STAR-SB20RN/B/F25	B	59.00	M50x1.00	41.00	145E/F25
ECR-STAR-SB20RN/B/F27	B	59.00	M50x1.00	39.00	147E/F27
ECR-STAR-SB20RN/B/F27L	B	59.00	M50x1.00	41.00	147E/F27
STAR SR20R I / II / III					
ECR-STAR-SR20R/A/F15	A	67.00	M50x1.50	40.00	120E/F15
ECR-STAR-SR20R/A/F16	A	67.00	M50x1.50	40.00	1212E/F16
ECR-STAR-SR20R/A/F20	A	67.00	M50x1.50	40.00	138E/F20
ECR-STAR-SR20R/A/F25	A	67.00	M50x1.50	40.00	145E/F25
ECR-STAR-SR20R/A/F27	A	67.00	M50x1.50	40.00	147E/F27
ECR-STAR-SR20R/B/F8v12	B	59.00	M50x1.50	53.00	101E/F8
ECR-STAR-SR20R/B/F8v15	B	59.00	M50x1.50	53.00	101E/F8
ECR-STAR-SR20R/B/F10v15	B	59.00	M50x1.50	56.00	109E/F10
ECR-STAR-SR20R/B/F13v15	B	59.00	M50x1.50	56.00	116E/F13
ECR-STAR-SR20R/B/F15	B	59.00	M50x1.50	41.00	120E/F15
ECR-STAR-SR20R/B/F15v15	B	59.00	M50x1.50	56.00	120E/F15
ECR-STAR-SR20R/B/F15v8	B	59.00	M50x1.50	49.00	120E/F15
ECR-STAR-SR20R/B/F20/136E	B	59.00	M50x1.50	41.00	136E/F20
ECR-STAR-SR20R/B/F20	B	59.00	M50x1.50		138E/F20
ECR-STAR-SR20R/B/F20v12	B	59.00	M50x1.50		138E/F20

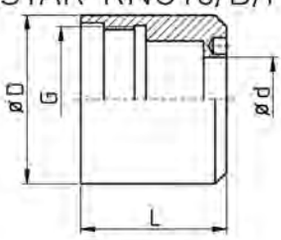
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info@wibemo.ch | www.wibemo.ch

Druckhülsen

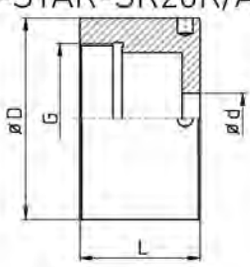
Überwurfmuttern für Druckhülsen 6

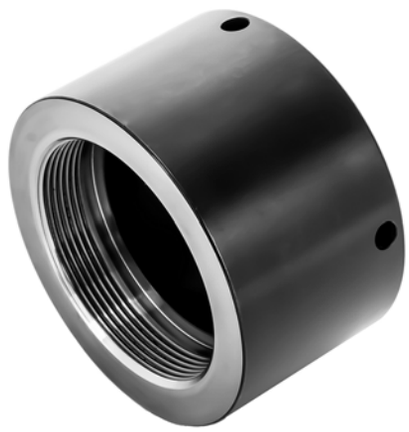
Folge ...

ECR-STAR-RNC16/B/F20v15



ECR-STAR-SR20R/A/F16



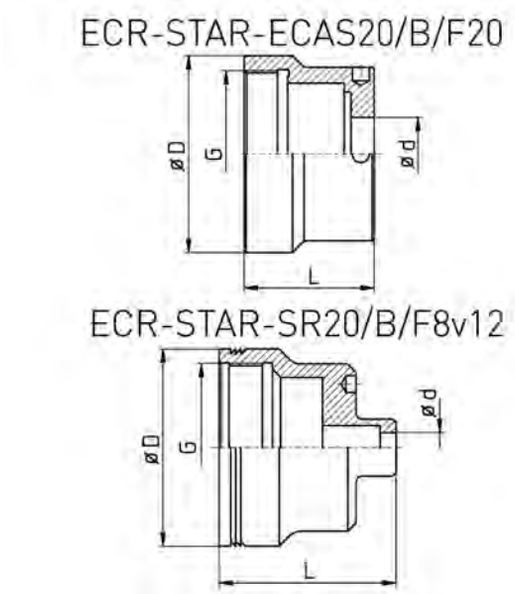


A = Hauptspindel
B = Abgreifspindel

Artikel Nr	Spindel A/B	D	G	L	Zange
STAR SR20R I / II / III					
ECR-STAR-SR20R/B/F25	B	59.00	M50x1.50	41.00	145E/F25
ECR-STAR-SR20R/B/F27	B	59.00	M50x1.50	39.00	147E/F27
ECR-STAR-SR20R/B/F27L	B	59.00	M50x1.50	41.00	147E/F27

Druckhülsen

Überwurfmuttern für Druckhülsen 7





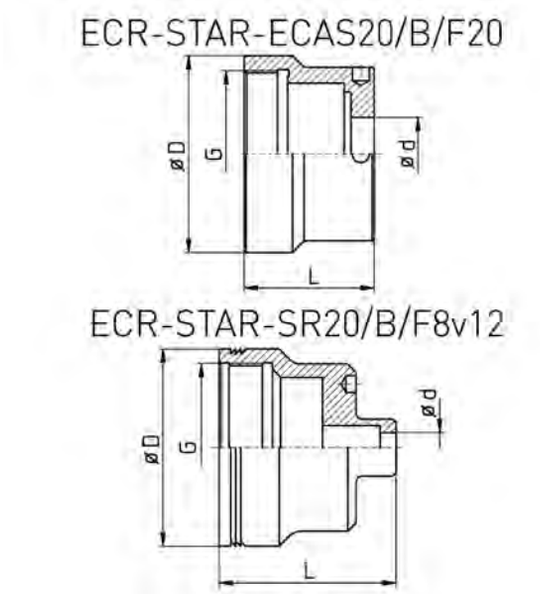
A = Hauptspindel
B = Abgreifspindel

Artikel Nr	Spindel A/B	D	G	L	Zange
STAR ECAS20					
ECR-STAR-ECAS20/B/F8v15	B	59.00	M50x1.50	54.00	101E/F8
ECR-STAR-ECAS20/B/F10v15	B	59.00	M50x1.50	54.00	109E/F10
ECR-STAR-ECAS20/B/F15v15	B	59.00	M50x1.50	54.00	120E/F15
ECR-STAR-ECAS20/B/F16v15	B	59.00	M50x1.50		1212E/F16
ECR-STAR-ECAS20/B/F20	B	59.00	M50x1.50	39.00	138E/F20
ECR-STAR-ECAS20/B/F25	B	59.00	M50x1.50	39.00	145E/F25
ECR-STAR-ECAS20/B/F27	B	59.00	M50x1.50	36.00	147E/F27
ECR-STAR-ECAS20/B/F27L	B	59.00	M50x1.50	39.00	147E/F27
STAR SV20					
ECR-STAR-SV20/A/F25	A	67.00	M56x1.50	28.00	145E/F25
ECR-STAR-SV20/A/F27	A	67.00	M56x1.50	28.00	147E/F27
STAR SB20RN					
ECR-STAR-SB20RN/A/F25	A	65.00	M50x1.50	37.00	145E/F25
ECR-STAR-SB20RN/A/F27	A	65.00	M50x1.50	37.00	147E/F27
STAR SR20JN					
ECR-STAR-SR20JN/A/F10v8	A	67.00	M56x1.50	36.00	109E/F10
ECR-STAR-SR20JN/A/F25	A	67.00	M56x1.50	28.00	145E/F25
ECR-STAR-SR20JN/A/F27	A	67.00	M56x1.50	28.00	147E/F27
STAR SR20RIV					
ECR-STAR-SR20R4/A/F25	A	65.00	M50x1.50	37.00	145E/F25
ECR-STAR-SR20R4/A/F27	A	65.00	M50x1.50	37.00	147E/F27
STAR SR20					
ECR-STAR-SR20/A/F10v15	A	65.00	M50x1.50		109E/F10
ECR-STAR-SR20/A/F25	A	64.00	M56x1.50	40.00	145E/F25
ECR-STAR-SR20/A/F27	A	64.00	M56x1.50		147E/F27
ECR-STAR-SR20/B/F8v12	B	59.00	M50x1.50	53.00	101E/F8
ECR-STAR-SR20/B/F10v15	B	59.00	M50x1.50	56.00	109E/F10
ECR-STAR-SR20/B/F13v15	B	59.00	M50x1.50	56.00	116E/F13
ECR-STAR-SR20/B/F20v12	B	59.00	M50x1.50	53.00	138E/F20
ECR-STAR-SR20/B/F25	B	59.00	M50x1.50	41.00	145E/F25
ECR-STAR-SR20/B/F27	B	59.00	M50x1.50	41.00	147E/F27
STAR KJR25					
ECR-STAR-KJR25/A/F30/157E	A	72.00	M60x1.00	52.00	157E/F30

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Druckhülsen

Überwurfmuttern für Druckhülsen 7 — Folge ...



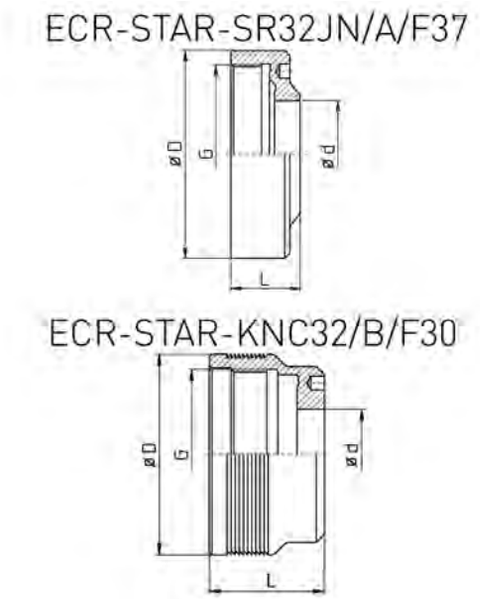


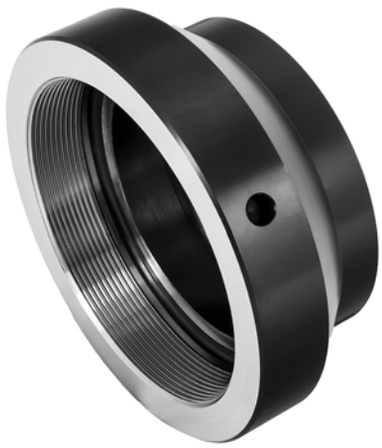
A = Hauptspindel
B = Abgreifspindel

Artikel Nr	Spindel A/B	D	G	L	Zange
STAR KJR25					
ECR-STAR-KJR25/A/F35	A	72.00	M60x1.00	52.00	162E/F35
ECR-STAR-KJR25/B/F30/157E	B	64.00	M56x1.50	34.00	157E/F30

Druckhülsen

Überwurfmuttern für Druckhülsen 8





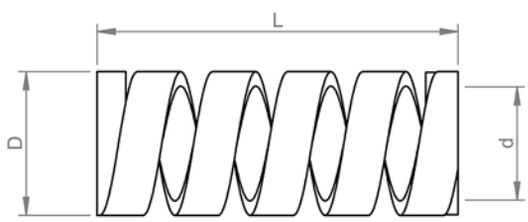
A = Hauptspindel
B = Abgreifspindel

Artikel Nr	Spindel A/B	D	G	L	Zange
STAR SV32					
ECR-STAR-SV32/A/F37	A	90.00	M76x1.50	35.00	1536E/F37
ECR-STAR-SV32/A/F40	A	85.00	M62x1.50	40.00	F40
ECR-STAR-SV32/A/F42	A	105.00	M85x1.50	46.50	171E/F42
ECR-STAR-SV32/B/F37	B	73.00	M62x1.00	43.00	1536E/F37
ECR-STAR-SV32/B/F40	B	73.00	M62x1.00	43.00	F40
ECR-STAR-SV32/B/F42	B	105.00	M85x1.50	47.50	171E/F42
STAR ECAS32					
ECR-STAR-ECAS32/F20v23		85.00	M62x1.50	63.00	138E/F20
ECR-STAR-ECAS32/F37		85.00	M62x1.50	43.00	1536E/F37
STAR SR32JN					
ECR-STAR-SR32JN/A/F37	A	81.00	M70x1.50	27.00	1536E/F37
ECR-STAR-SR32JN/A/F40	A	81.00	M70x1.50	27.00	F40
ECR-STAR-SR32JN/A/F42	A	81.00	M70x1.50	27.00	171E/F42
STAR KNC32					
ECR-STAR-KNC32/A/F37	A	88.00	M76x1.50	42.00	1536E/F37
ECR-STAR-KNC32/B/F25	B	73.00	M62x1.00	42.00	145E/F25
ECR-STAR-KNC32/B/F30	B	73.00	M62x1.00	42.00	1446E/F30
ECR-STAR-KNC32/B/F37	B	73.00	M62x1.00	42.00	1536E/F37
STAR ST38					
ECR-STAR-ST38/A/F37	A	105.00	M85x1.50	46.50	1536E/F37
ECR-STAR-ST38/A/F42	A	105.00	M85x1.50	46.50	171E/F42
ECR-STAR-ST38/A/F48	A	105.00	M85x1.50	46.50	173E/F48
ECR-STAR-ST38/B/F37	B	105.00	M85x1.50	47.50	1536E/F37
ECR-STAR-ST38/B/F42	B	105.00	M85x1.50	47.50	171E/F42
ECR-STAR-ST38/B/F48	B	105.00	M85x1.50	47.50	173E/F48

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Druckhülsen

Druckferdern für Spannzangen



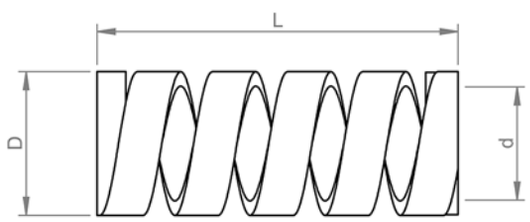
D = Nennmass
d, L = Abmessungen ca.

Artikel Nr	D	d	L
RESS-07F-4.3-52	7.00	4.30	52.00
RESS-14F-11-26	14.00	11.00	26.00
RESS-15F-11.5-22	15.00	11.50	22.00
RESS-15F-11.5-28	15.00	11.50	28.00
RESS-15F-11.5-33	15.00	11.50	33.00
RESS-16F-13.5-32	16.00	13.50	32.00
RESS-16F-12.5-34	16.00	12.50	34.00
RESS-18F-15.5-21	18.00	15.50	21.00
RESS-18F-15-30	18.00	15.00	30.00
RESS-18F-16-30	18.00	16.00	30.00
RESS-20F-16-15	20.00	16.00	15.00
RESS-20F-17-25	20.00	17.00	25.00
RESS-20F-16.5-30	20.00	16.50	30.00
RESS-20F-15.5-35	20.00	15.50	35.00
RESS-20F-16.5-37	20.00	16.50	37.00
RESS-20F-18-45	20.00	18.00	45.00
RESS-21F-17-32	21.00	17.00	32.00
RESS-22F-18.5-22	22.00	18.50	22.00
RESS-22F-18.5-32	22.00	18.50	32.00
RESS-22F-18.5-38	22.00	18.50	38.00
RESS-24F-20.5-21	24.00	20.50	21.00
RESS-24F-20-32	24.00	20.00	32.00
RESS-25F-22-21	25.00	22.00	21.00
RESS-25F-21.5-25	25.00	21.50	25.00
RESS-25F-22-25	25.00	22.00	25.00
RESS-25F-22-33	25.00	22.00	33.00
RESS-25F-22-35	25.00	22.00	35.00
RESS-25F-21-40	25.00	21.00	40.00
RESS-25F-22-44	25.00	22.00	44.00
RESS-25F-22-48	25.00	22.00	48.00
RESS-25F-20.5-50	25.00	20.50	50.00
RESS-27F-23-25	27.00	23.00	25.00
RESS-27F-23-28	27.00	23.00	28.00
RESS-27F-23-31	27.00	23.00	31.00

Druckhülsen

Druckferdern für Spannzangen

Folge ...



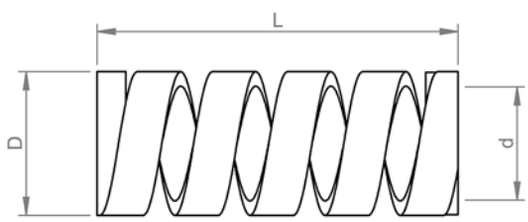
D = Nennmass
d, L = Abmessungen ca.

Artikel Nr	D	d	L
RESS-27F-23-35	27.00	23.00	35.00
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RESS-27F-23-45	27.00	23.00	45.00
RESS-27F-24-50	27.00	24.00	50.00
RESS-28F-23-22	28.00	23.00	22.00
RESS-28F-22.5-27	28.00	22.50	27.00
RESS-28F-26-40	28.00	26.00	40.00
RESS-29F-25-35	29.00	25.00	35.00
RESS-30F-25-36	30.00	25.00	36.00
RESS-30F-26.5-42	30.00	26.50	42.00
RESS-32F-26-15	32.00	26.00	15.00
RESS-32F-26.5-21	32.00	26.50	21.00
RESS-32F-26-32	32.00	26.00	32.00
RESS-32F-26.5-38	32.00	26.50	38.00
RESS-34F-30-36	34.00	30.00	36.00
RESS-34F-30-42	34.00	30.00	42.00
RESS-34F-30-50	34.00	30.00	50.00
RESS-35F-30-31	35.00	30.00	31.00
RESS-35F-30-36	35.00	30.00	36.00
RESS-37F-32.5-40	37.00	32.50	40.00
RESS-37F-32-42	37.00	32.00	42.00
RESS-37F-34-44	37.00	34.00	44.00
RESS-37F-32-73	37.00	32.00	73.00
RESS-37F-33.5-73	37.00	33.50	73.00
RESS-38F-33-19	38.00	33.00	19.00
RESS-38F-33-24	38.00	33.00	24.00
RESS-38F-32-32	38.00	32.00	32.00
RESS-38F-33-52	38.00	33.00	52.00
RESS-38F-33-72	38.00	33.00	72.00
RESS-40F-36-40	40.00	36.00	40.00
RESS-40F-37.5-48	40.00	37.50	48.00
RESS-40F-36-50	40.00	36.00	50.00
RESS-40F-36-55	40.00	36.00	55.00
RESS-40F-36-60	40.00	36.00	60.00

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Druckhülsen

Druckferdern für Spannzangen — Folge ...



D = Nennmass
d, L = Abmessungen ca.

Artikel Nr	D	d	L
RESS-40F-36.5-71	40.00	36.50	71.00
RESS-41F-37-60	41.00	37.00	60.00
RESS-42F-36.5-46	42.00	36.50	46.00
RESS-46F-42-42	46.00	42.00	42.00
RESS-47F-41.5-43	47.00	41.50	43.00
RESS-48F-42-32	48.00	42.00	32.00
RESS-48F-43-38	48.00	43.00	38.00
RESS-48F-44-42	48.00	44.00	42.00
RESS-48F-43-73	48.00	43.00	73.00
RESS-65F-60-88	65.00	60.00	88.00
RESS-66F-58-60	66.00	58.00	60.00