

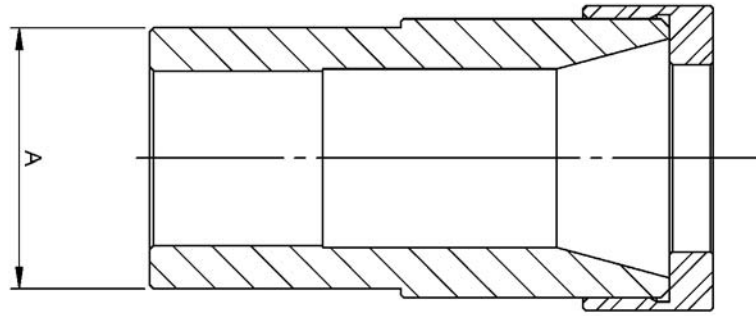
1 Collets and collet sleeves

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Wibemo - Honing sleeve

Honing sleeve



- Thanks this simple collet chuck, you can any refreshing operation or honing of your F type collets by yourself.

Simple collet sleeve made of SST incl. nut for F-Type dead length collet



Item No	Type	Type	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 collets

Carbide Extenso collets

A product of



Advantages :

- Extended nose for easier pick-off
- Rapid availability
- Carbide assures low wear and longer life of your collets

Specialities

- Special production from your drawings
- Fine slots for small parts diameter
- Mirror polished lapping on request
- Available with or without extractors
- UP+ quality
- Don't hesitate to contact us for any requirement.



An efficient solution for optimal clamping without marking your parts.

- The guarantee of a careful and perfect grip
- Reduces clamp marks and damage on your parts
- Does not stick, for damage-free extraction
- Reduces production costs

For the perfect control of the machining of your very high precision parts, such as components for watch-making or medical applications in 316L stainless steel or titanium.

Necessary for your high added value parts and whenever your requirements for quality and impeccable visual appearance are essential.

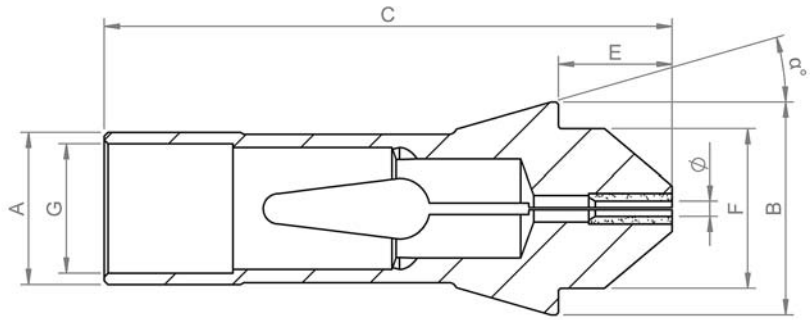
The properties of carbide avoid harming your parts and reduce the risks of damaging delicate surfaces when clamping or during extraction.

Thanks to UP (Ultra Precise) quality, EXTENSO collets enable delicate and precise counter-spindle clamping. They assure longer duration, less adjusting and considerably reduce waste. They are the indispensable element for reducing your production costs and enable gains in productivity.

- UP precision for a grip that is perfectly adjusted to the clamping diameter
- Ultra precise clamp assures the perfect grip of the part.

Wibemo - Extenso collets

Carbide Extenso collets - Technical devices



Item No	Type	EC Norm	A	B	C	E	F	G	α°
Carbide 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 collets

Steel Croco

A product of

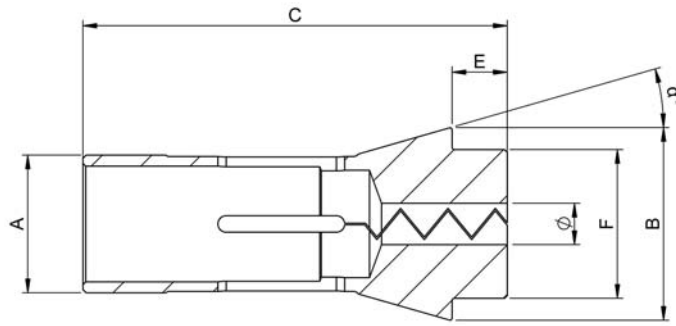


Advantages :

- Clamping range to 0.2 mm down
- Uniformly high precision throughout the clamping range
- Accepts variations on bar \varnothing
- Enables clamping of hex, square, threaded profiles, etc., without positioning
- Avoids marking the bar or part
- Uniform, high-force grip
- Avoids penetration of chips into the bore
- Ideal for medical screws, constant pressure on the thread even in case of variations of tolerance.
- Carbide bore on request.

Wibemo - Croco collets

Steel Croco - Technical Data



Item No	Type	EC Norm	A	B	C	E	F	α°
Steel 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 collets

Steel Croco collet with long nose

A product of

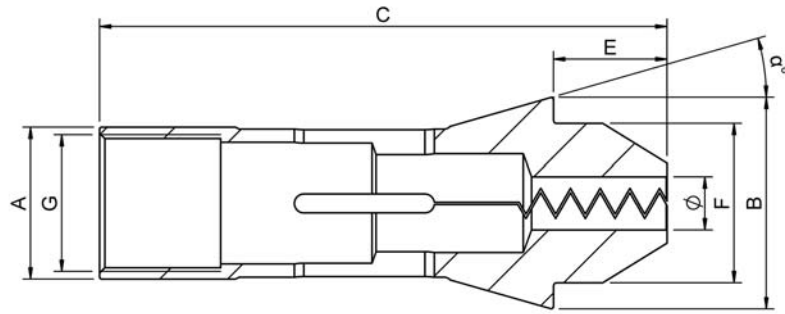


Advantages :

- Clamping range to 0.2 mm down
- Uniformly high precision throughout the clamping range
- Accepts variations on bar \varnothing
- Enables clamping of hex, square, threaded profiles, etc., without positioning
- Avoids marking the bar or part
- Uniform, high-force grip
- Avoids penetration of chips into the bore
- Ideal for medical screws, constant pressure on the thread even in case of variations of tolerance.
- Carbide bore on request.

Wibemo - Croco collets

Steel Croco collet with long nose - Technical Data



Item No	Type	EC Norm	A	B	C	E	F	G	α°
Steel Croco with long nose									
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 collets

CUBE standard or long nose



Advantages :

- Avoids grip marks on small diameters or delicate parts due to the interior lining of the CUBE collet
- Available on request for all types of collet up to 37 mm max. in standard nose and long nose versions
- This new product is designed for all your counter-spindle operations when clamping the bar on the stock requires the greatest precaution.

Not suitable for medical parts

Wibemo - Phenol collets

Phenol standard or long nose



Advantages :

- This collet with a Phenol bore (synthetic fiber) is especially adapted for holding very delicate parts
- Not adapted for very short parts
- Min. bore 1.5 mm
- Possibility of changing the Phenol lining after wear
- Ideal alternative to plastic and POM collets
- Avoids grip marks on small diameters or delicate parts due to the interior lining of the Phenol collet
- Available on request for all types of collet up to 37 mm max. in standard nose and long nose versions
- This new product is designed for all your counter-spindle operations when clamping the bar on the stock requires the greatest precaution.

Custom made collets

Technical Data for special collets with short nose

Sketch for special collets with short nose

(please fill in/complete)

Company : _____

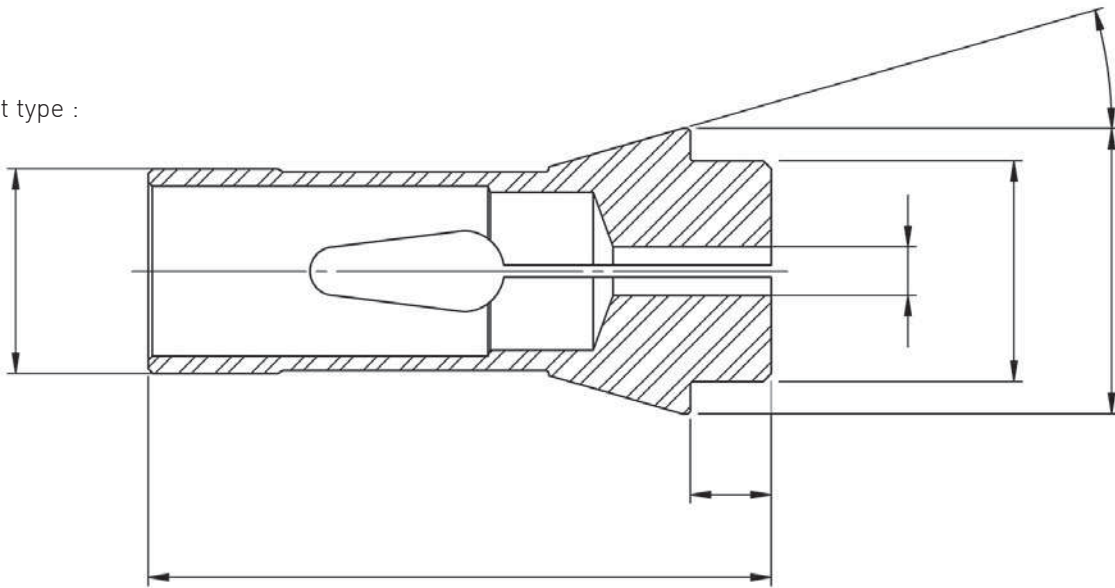
Sketch for :

Enquiry

Purchase order

Qty :

Collet type :



Steel

Carbide bore

with key way on shank

with key way on conus

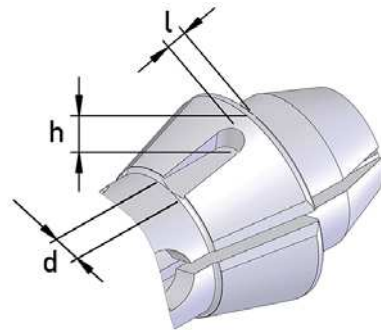
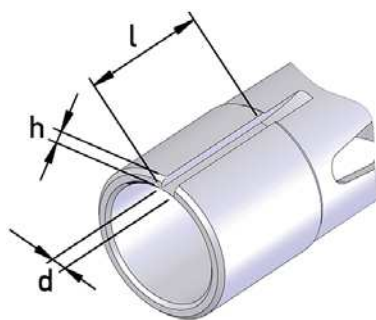
CuBe

Phenol

Croco

-3 mm in the back

with extractor



Notes : _____

Custom made collets

Technical Data for special collets with long nose

Sketch for special collet with long nose

(please fill in/complete)

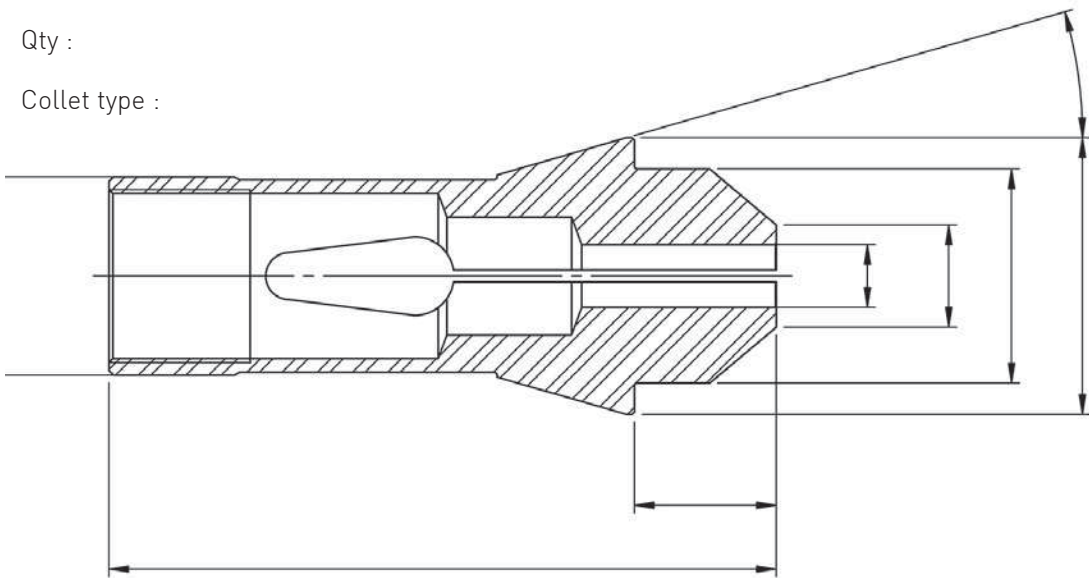
Company : _____

Sketch for :

- Enquiry Purchase order

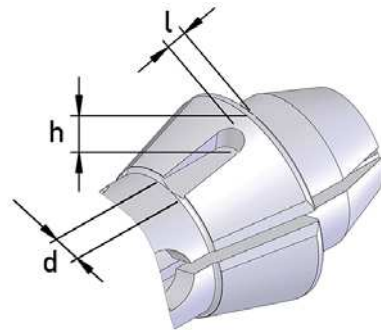
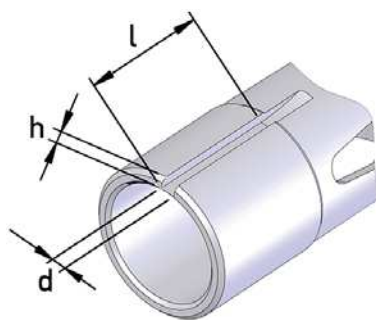
Qty :

Collet type :



- Steel Carbide bore with key way on shank with key way on conus

- CuBe
 Phenol
 Croco
 -3 mm in the back
 with extractor



Notes : _____

Custom made collets

Special executions

Fig. 1
1 step bore

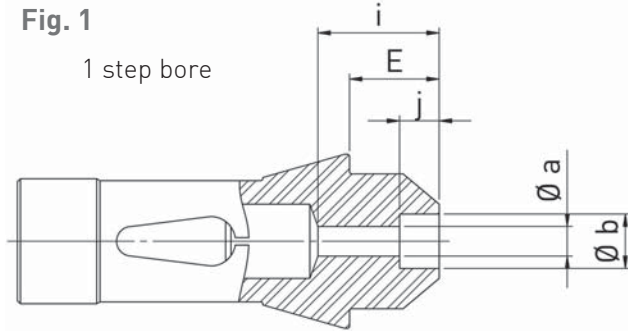


Fig. 2
2 step bore

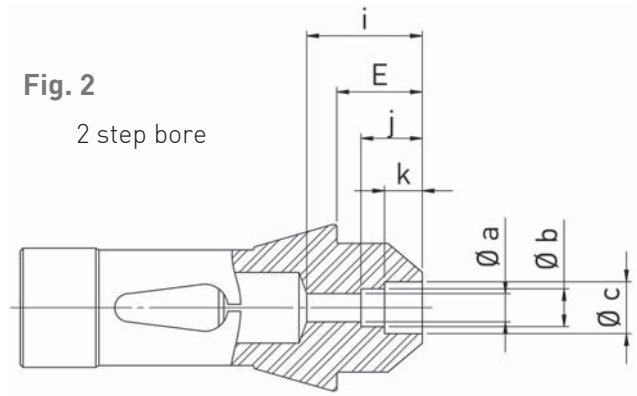


Fig. 3
special form with radius

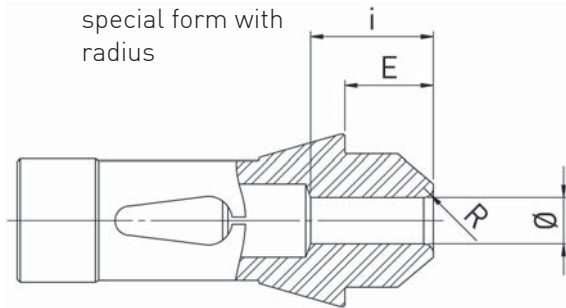
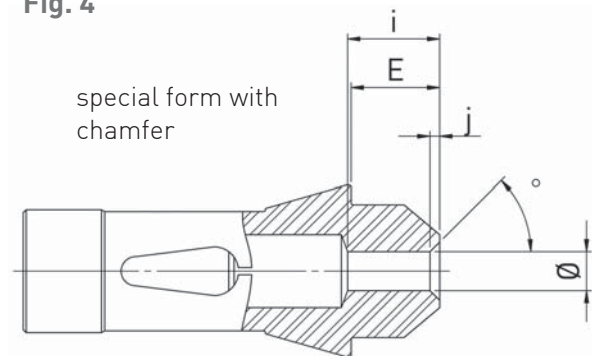


Fig. 4
special form with chamfer



Short nose

with key way on shank

with key way on conus

Long nose

Steel

Carbide bore

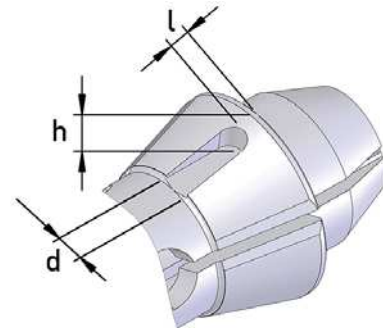
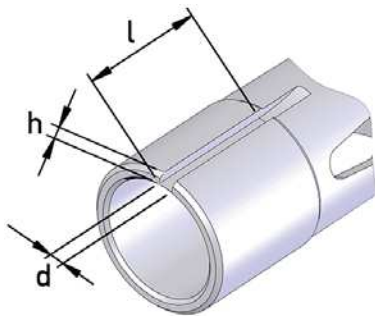


Fig. n°

Ø = _____

k = _____

Ø a = _____

° = _____

Collet type :

Ø b = _____

R = _____

Qty :

Ø c = _____

l = _____

E = _____

h = _____

i = _____

d = _____

j = _____

Custom made collets

Special executions

Fig. 5

special collet with short gripping

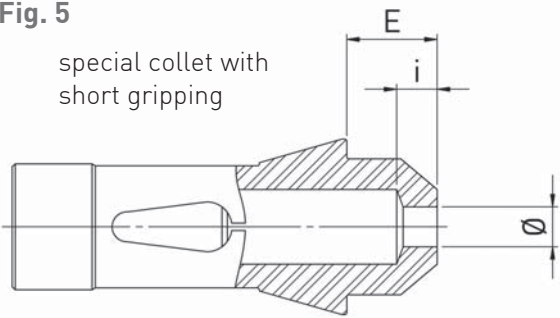


Fig. 6

special collet with front conical bore

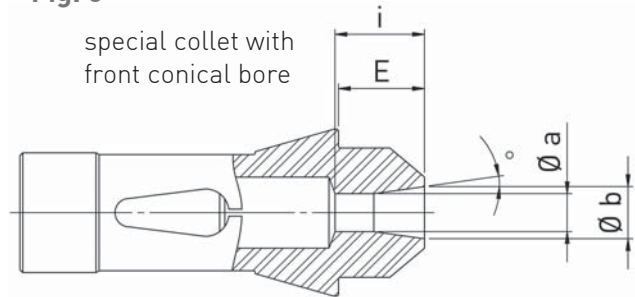


Fig. 7

special collet with back conical bore

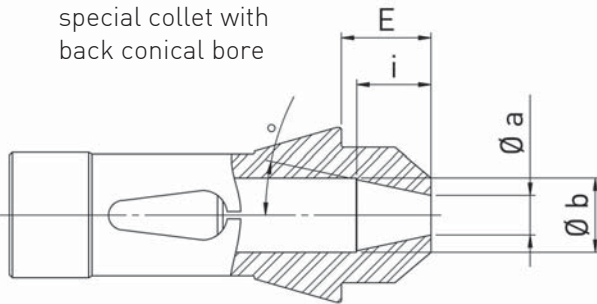
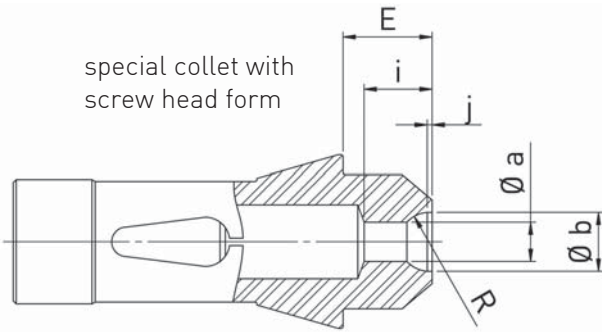


Fig. 8

special collet with screw head form



Short nose

with key way on shank

with key way on conus

Long nose

Steel

Carbide bore

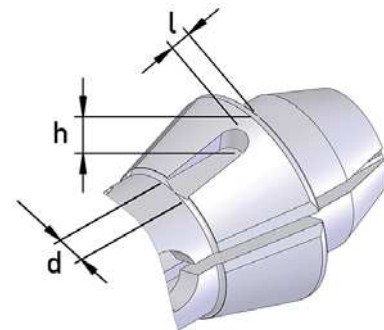
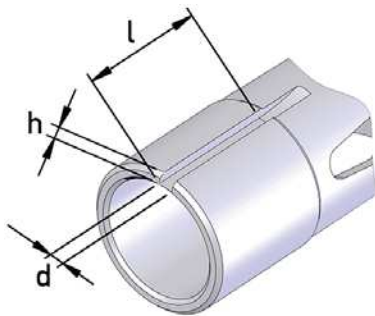


Fig. n°

Ø = _____

k = _____

Ø a = _____

° = _____

Collet type :

Ø b = _____

R = _____

Ø c = _____

l = _____

Qty :

E = _____

h = _____

i = _____

d = _____

j = _____

Custom made collets

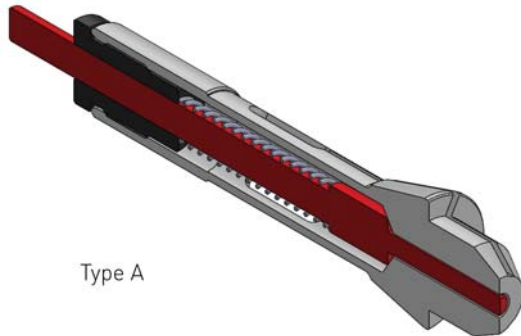
Extractor blanks



- Blank extractors for finishing by your self
- On request, we can supply collets with the extractor adjusted to the diameter. Possibility of steel or carbide-tipped extractors. Delivered complete with spring and blocking nut.

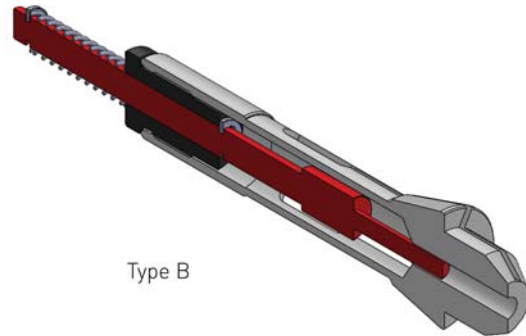
Finished extractors for collets

All our collets are available with type A or B extractors according to your requirements.



Type A

Type A spring loaded extractors can be mounted on all types of collets. The operating principle is the opposite of type B, the extractor is held toward the front of the collet and the part pushes the extractor towards the back. On opening the collet, the part is ejected by the spring and the extractor returns to the forward position.



Type B

Type B extractors can be mounted on all types of collets. The operating principle is as follows : The spring holds the extractor to the back and returns to its position after extracting the part. The extraction of the part is caused by the thrust of the extractor.



Custom made collets

Nuts for extractors



Item No	Type	Thread	Ø for extractor
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

Springs for extractors



- on request

Wibemo - Wifex collets

WIFEX collet's body

A product of



PATENT PENDING

Advantages :

Wifex collet is an exclusive product of Wibemo especially developed to solve the gripping problems of parts by inner diameter.

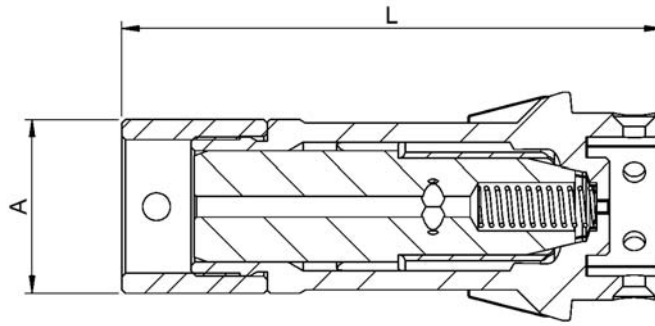
This expandable collet is used as a traditional F-type collet and does not request any special sleeve or other modification.

The inner mechanism secure the opening of the collet nose in order to allow light back machining operations, facing, small holes or simply easy pick-off.



Wibemo - Wifex collets

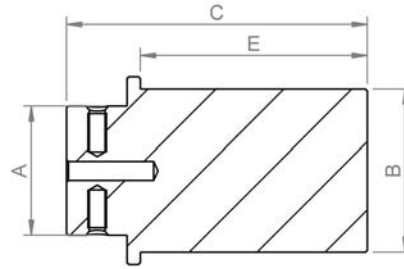
WIFEX collet's body - Technical Data



Item No	Type	EC Norm	A	L
WIFEX collet's body				
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 collets

WIFEX collet jaws



Applications :

- For any use on Wifex collets
- Various versions according to your needs
- Soft steel blank jaws for customer's finishing
- Finished version according to the part.

Hardened finished nose custom made on demand



Item No	Type	A	B	C	E
800-357	Soft nose blank F13/357	8.50	10.00	21.80	15.00
800-87	Soft nose blank F20/87	14.00	15.00	29.50	20.00
800-201	Soft nose blank F20/201	14.00	13.00	23.50	14.00
800-71	Soft nose blank F22/71	16.00	17.00	35.90	25.00
800-64	Soft nose blank F25/64	20.00	20.00	43.80	30.00
800-94	Soft nose blank F35/94	29.00	33.00	60.80	40.00
800-740	Soft nose blank F37/740	30.00	35.00	61.80	40.00
800-72	Soft nose blank F38/72	29.00	33.00	61.80	40.00
800-99	Soft nose blank F42/99	30.00	37.00	69.50	50.00
800-81	Soft nose blank F48/81	34.00	43.00	79.50	60.00

Tornos transport lever collets

Technical Data for various executions

Please complete this form by each enquiry or P.O. :

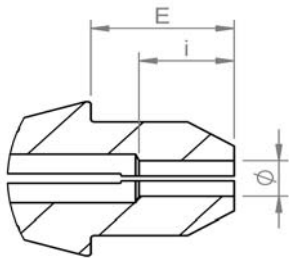
Collet type (see table on next pages) : _____

Execution : Steel Carbide bore

Extractor : Yes No

Support of part against spring loaded extractor : Yes No

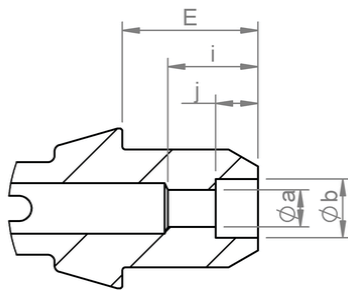
Part gripping length into the collet : _____



E= _____

i= _____

Ø= _____



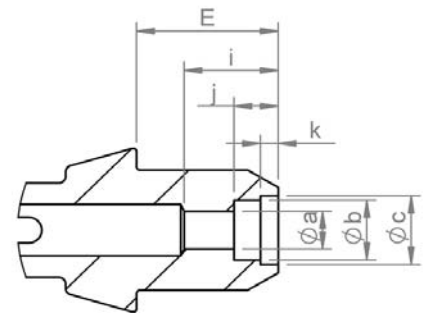
E= _____

i= _____

j= _____

Øa= _____

Øb= _____



E= _____

i= _____

j= _____

k= _____

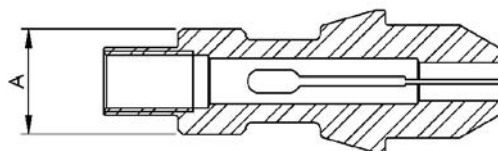
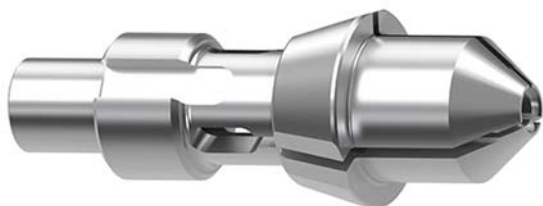
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Øc= _____

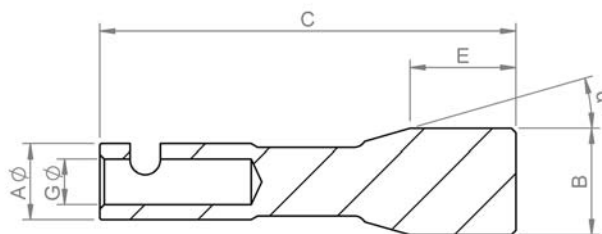
Tornos transport lever collets

Transport lever collets



Item No	Type	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

Special execution for M4-T4



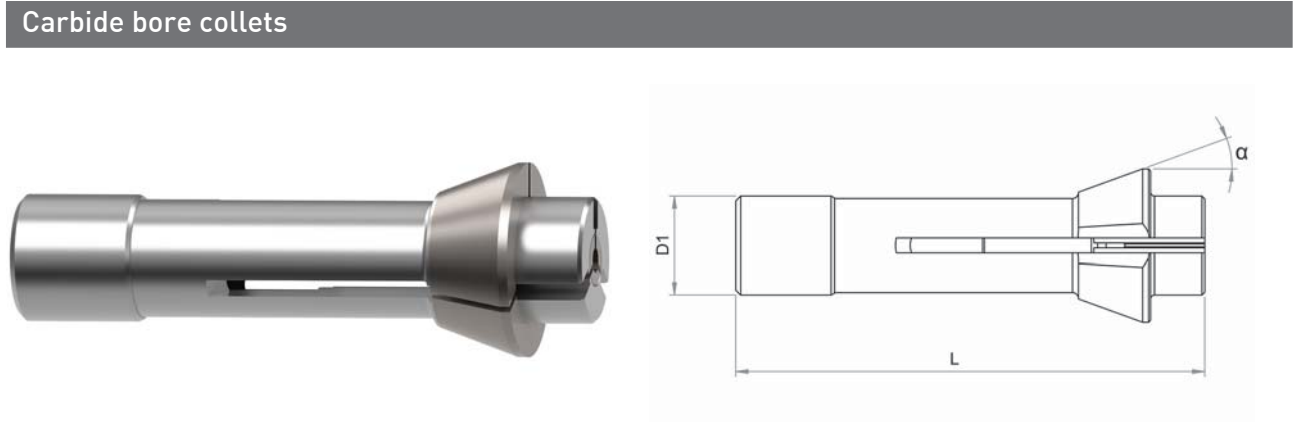
other types on demand

- Special execution with key way



Item No	Type
Trans T05	M4-T4 (14-OA)

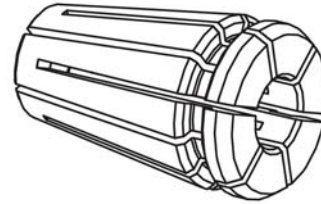
Carbide collets



Item No	type	D1	L	α	\varnothing max	hex. max	square max
Carbide \varnothing collet							
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 collet = \varnothing and cone carbide lined							
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

Rego-Fix collets

ER 8 collets

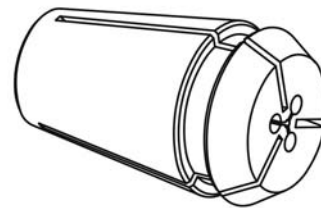


Available in standard or UP version
(XP)



Item No	Bore	Content	Item No UP
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 collets + 1 tray ZWT/8	

ER 8-MB Microbore collets



Microbore collets have a runout of 0.0002" (6µM). They have been developed by REGO-FIX® especially for small tool shank diameters.

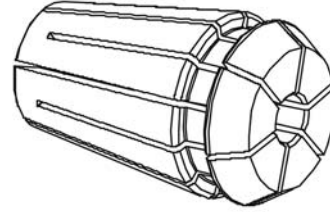
Note : to be used with tool shank of same nominal Ø h7 only.



Item No	Bore
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 collets

ER 11 collets

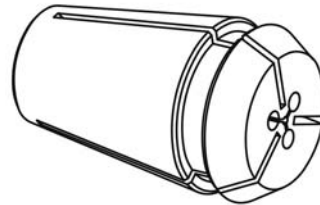


Available in standard or UP version
(XP)



Item No	Bore	Content	Item No UP
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 collets + 1 tray ZWT/11	

ER 11-MB Microbore collets



Microbore collets have a runout of 0.0002" (6µM). They have been developed by REGO-FIX® especially for small tool shank diameters.

Note : to be used with tool shank of same nominal Ø h7 only.

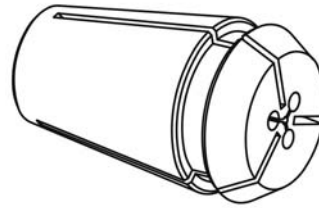


Item No	Bore
ER11-MB-020	0.20
ER11-MB-030	0.30
ER11-MB-040	0.40
ER11-MB-050	0.50
ER11-MB-060	0.60
ER11-MB-070	0.70
ER11-MB-080	0.80

Rego-Fix collets

ER 11-MB Microbore collets

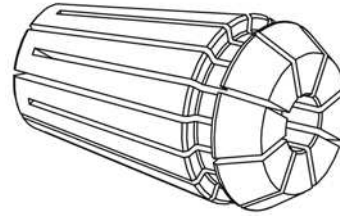
continuation ...



Item No	Bore
ER11-MB-090	0.90

Rego-Fix collets

ER 16 collets



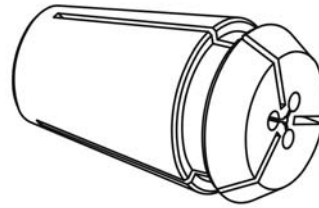
Available in standard or UP version
(XP)



Item No	Bore	Content	Item No UP
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 collets + 1 tray ZWT/16	

Rego-Fix collets

ER 16-MB Microbore collets



Microbore collets have a runout of 0.0002" (6µM). They have been developed by REGO-FIX® especially for small tool shank diameters.

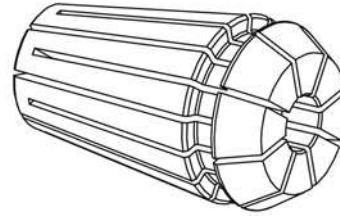
Note : to be used with tool shank of same nominal Ø h7 only.



Item No	Bore
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 collets

ER 20 collets



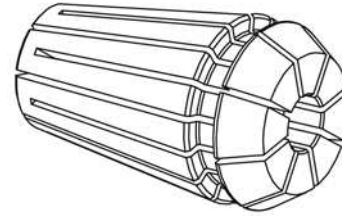
Available in standard or UP version
(XP)



Item No	Bore	Content	Item No UP
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 collets + 1 tray ZWT/20	

Rego-Fix collets

ER 25 collets



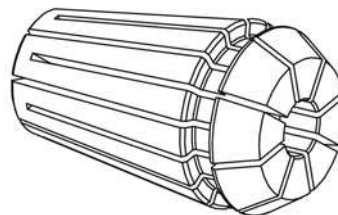
Available in standard or UP version
(XP)



Item No	Bore	Content	Item No UP
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 collets + 1 tray ZWT/25	

Rego-Fix collets

ER 32 collets



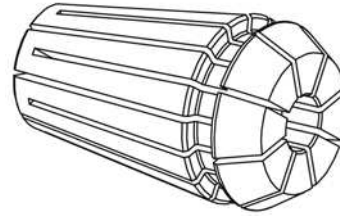
Available in standard or UP version
(XP)



Item No	Bore	Content	Item No UP
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 collets + 1 tray ZWT/32	

Rego-Fix collets

ER 40 collets



Available in standard or UP version (XP)



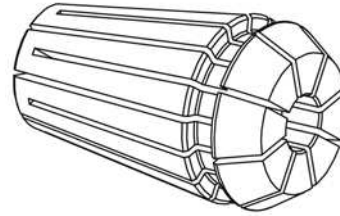
Item No	Bore	Item No UP
ER40-300	3.00 - 2.00	ER40-300UP
ER40-350	3.50 - 2.50	ER40-350UP
ER40-400	4.00 - 3.00	ER40-400UP
ER40-450	4.50 - 3.50	ER40-450UP
ER40-500	5.00 - 4.00	ER40-500UP
ER40-550	5.50 - 4.50	ER40-550UP
ER40-600	6.00 - 5.00	ER40-600UP
ER40-650	6.50 - 5.50	ER40-650UP
ER40-700	7.00 - 6.00	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 collets

ER 40 collets

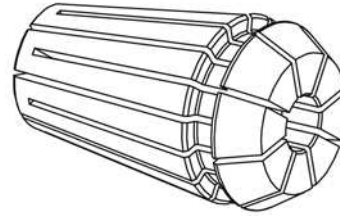
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Item No	Bore	Content	Item No UP
ER40-2450	24.50 - 23.50		ER40-2450UP
ER40-2500	25.00 - 24.00		ER40-2500UP
ER40-2550	25.50 - 24.50		ER40-2550UP
ER40-2600	26.00 - 25.00		ER40-2600UP
ER40-2700	27.00 - 26.00		ER40-2700UP
ER40-2800	28.00 - 27.00		ER40-2800UP
ER40-2900	29.00 - 28.00		ER40-2900UP
ER40-3000	30.00 - 29.00		ER40-3000UP
ER40-SET	3.00 - 26.00	23 collets + 1 tray ZWT/40	

Rego-Fix collets

ER 50 collets



Available in standard or UP version
(XP)



Item No	Bore	Content	Item No UP
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 collets + 1 tray ZWT/50	

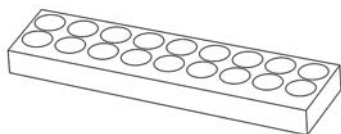
Rego-Fix collets

ER Sets



Item No	Bore	Content
ER8-SET	0.50 - 5.00	9 collets + 1 tray ZWT/8
ER8-SETUP	0.50 - 5.00	9 collets + 1 tray ZWT/8
ER11-SET	0.50 - 7.00	13 collets + 1 tray ZWT/11
ER11-SETUP	0.50 - 7.00	13 collets + 1 tray ZWT/11
ER16-SET	0.50 - 10.00	10 collets + 1 tray ZWT/16
ER16-SETUP	0.50 - 10.00	10 collets + 1 tray ZWT/16
ER20-SET	1.00 - 13.00	12 collets + 1 tray ZWT/20
ER20-SETUP	1.00 - 13.00	12 collets + 1 tray ZWT/20
ER25-SET	1.00 - 16.00	15 collets + 1 tray ZWT/25
ER25-SETUP	1.00 - 16.00	15 collets + 1 tray ZWT/25
ER32-SET	2.00 - 20.00	18 collets + 1 tray ZWT/32
ER32-SETUP	2.00 - 20.00	18 collets + 1 tray ZWT/32
ER40-SET	3.00 - 26.00	23 collets + 1 tray ZWT/40
ER40-SETUP	3.00 - 26.00	23 collets + 1 tray ZWT/40
ER50-SET	10.00 - 34.00	12 collets + 1 tray ZWT/50
ER50-SETUP	10.00 - 34.00	12 collets + 1 tray ZWT/50

Tray for ER sets



Storage Overview

The REGO-FIX® trays are of finest quality and very solid. The collet bore diameters are marked on the tray.



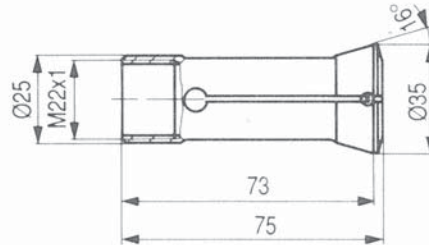
Item No	Type	Collets qty
7121.08000	ZWT/8	9
7121.11000	ZWT/11	13
7121.16000	ZWT/16	10
7121.20000	ZWT/20	12
7121.25000	ZWT/25	15
7121.32000	ZWT/32	18
7121.40000	ZWT/40	23
7121.50000	ZWT/50	12

Collets for Tornos Multispindle machines

Collets for AS14

Summary for Tornos AS14

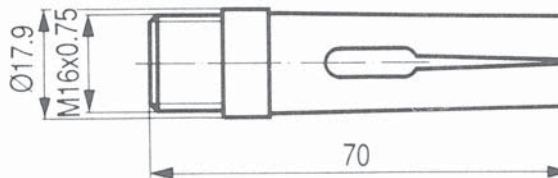
Type P25
 N° item 78-334
 Réf. Tornos AS 12115



Spindle
 collet

Available by set
 of 6/8 pièces

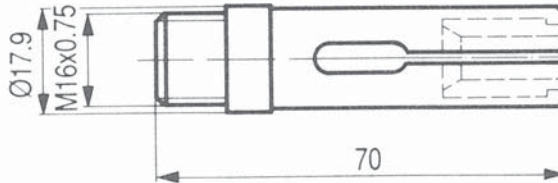
Type A17.9
 N° item 71-335
 Réf. Tornos AS 1265



Feed fingers

Available by set
 of 6/8 pièces

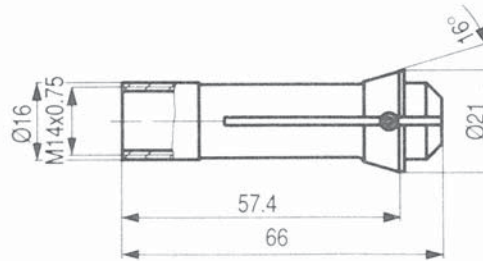
Type A17.9
 N° item 71-213
 Réf. Tornos AS 12245-2



Master feed
 fingers

Available by set
 of 6/8 pièces

Type F16
 N° item 76-830
 Réf. Tornos AS 621025



Pick-off spindle
 collet

Pads for master feed fingers available in Bronze or Carbide execution

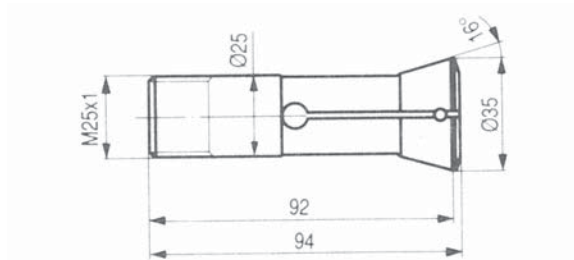


Collets for Tornos Multispindle machines

Collets for SAS16

Summary for Tornos SAS16

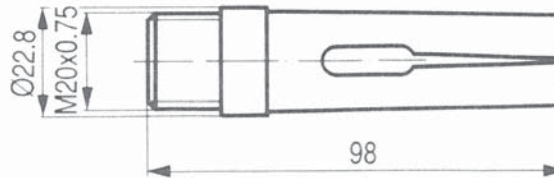
Type W25
 N° item 80-1923
 Réf. Tornos AS 12607



Spindle
collet

Available by set
of 6/8 pièces

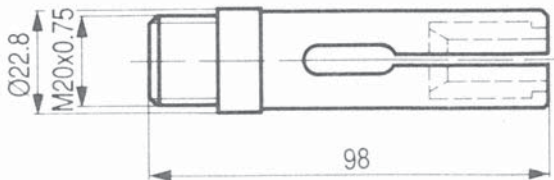
Type A22.8
 N° item 71-1922
 Réf. Tornos AS 12611



Feed fingers

Available by set
of 6/8 pièces

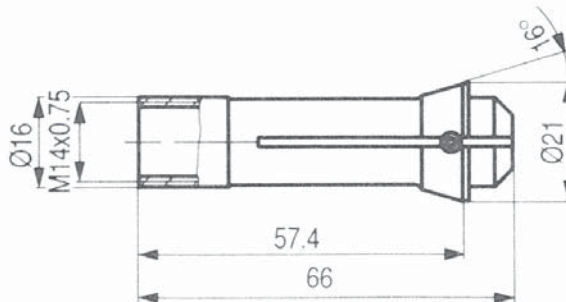
Type A22.8
 N° item 71-2011
 Réf. Tornos A 138997



Master feed
fingers

Available by set
of 6/8 pièces

Type F16
 N° item 76-830
 Réf. Tornos AS 621025



Pick-off spindle
collet

Padding for master feed fingers available in Bronze or Carbide execution

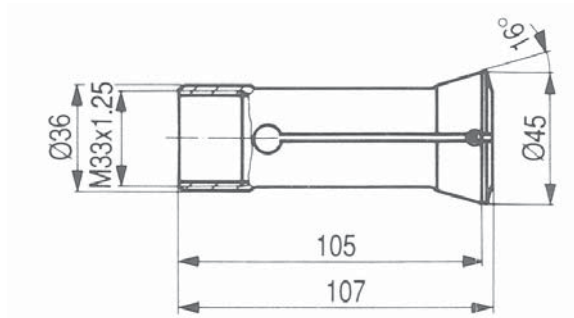


Collets for Tornos Multispindle machines

Collets for BS20

Summary for Tornos BS 20

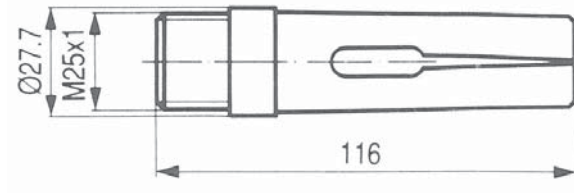
Type P36
N° item 78-2007
Réf. Tornos BS 12367



Spindle
collet

Available by set
of 6/8 pièces

Type A27.7
N° item 71-2000
Réf. Tornos BS 12369



Feed fingers

Available by set
of 6/8 pièces

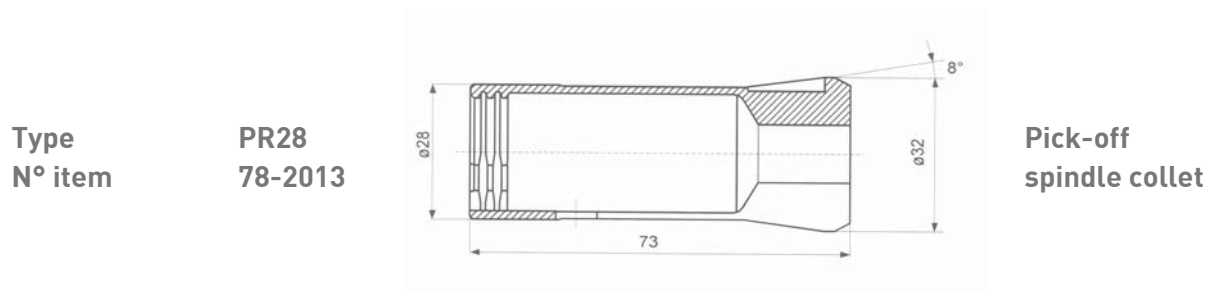
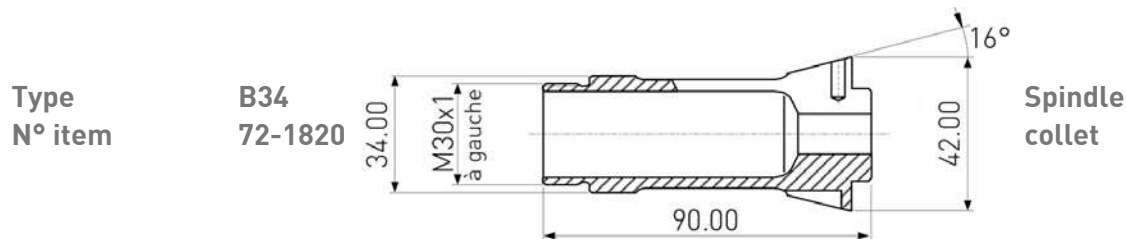
Pads for master feed fingers available in Bronze or Carbide execution



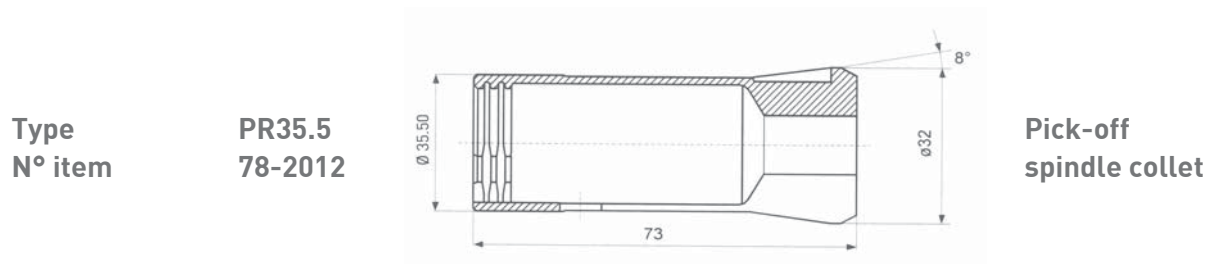
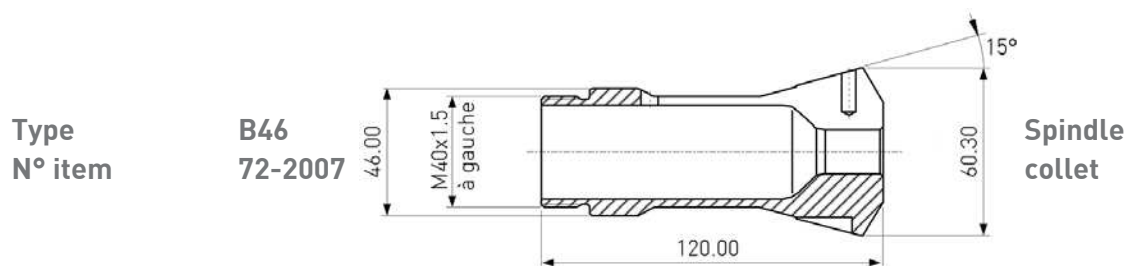
Collets for Tornos Multispindle machines

Collets for MultiDeco - MultiSigma

Summary for MultiDeco 20/6 & 20/8



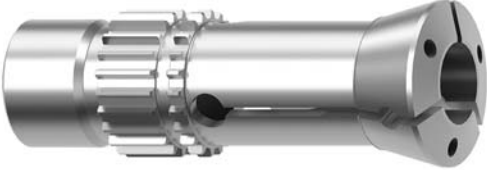


Summary for MultiDeco 26/6 & 32/6 - MultiSigma / MultiAlpha 28/8



Collets for Tornos Multispindle machines

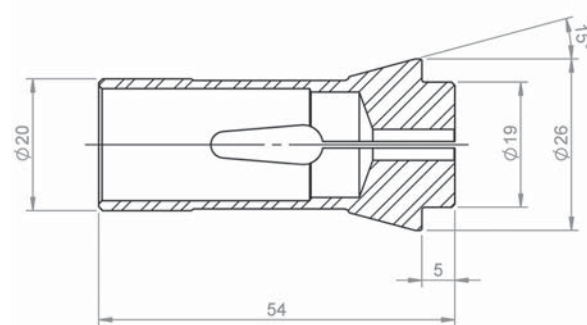
Collets for MultiSwiss

Summary for MultiSwiss

Type N° item	MultiSwiss multiswiss-Ø		Spindle collet
Type N° item	MultiSwiss multiswiss-Ø		Spindle collet with carbide bore
Type N° item	MultiSwiss multiswiss-Ø		Spindle collets with Z slots

Type
N° item

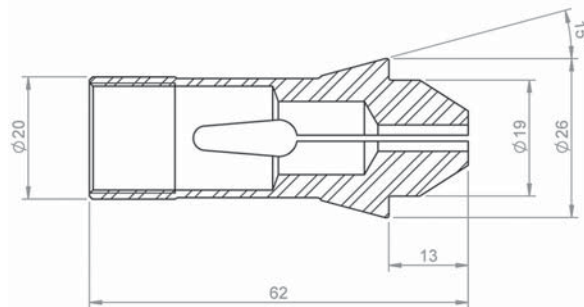
F20/201 short
76-201 nose



Pick-off
spindle collet

Type
N° item

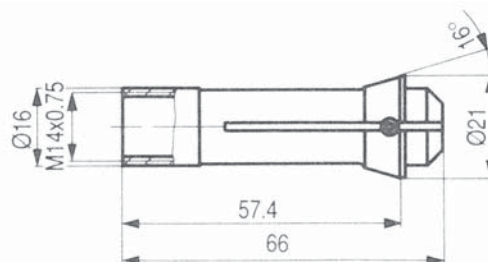
F20/2016 long
76-2016 nose



Pick-off
spindle collet

Type
N° item

F16
76-830



controlled
feeding collet

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office.d@schaublin.ch

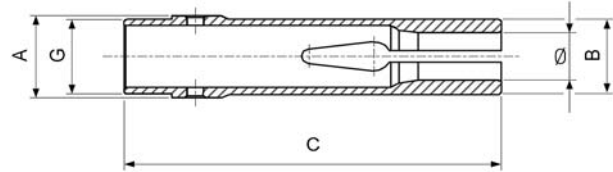
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Feed fingers type A



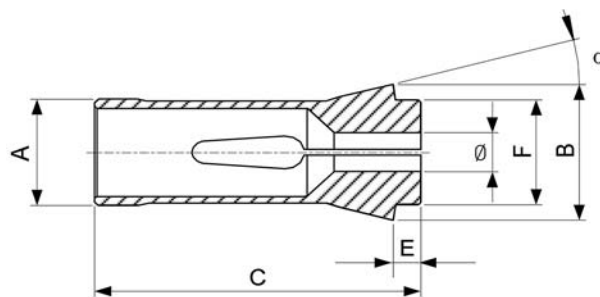
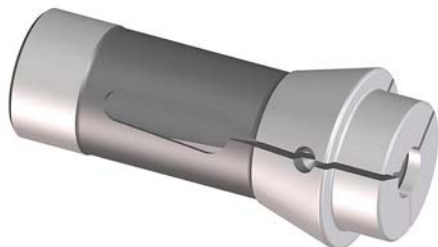
- 13) Master feed finger
- 26) on request
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

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Item No	A	B	C	G	Ø from-to	hex.	square
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	

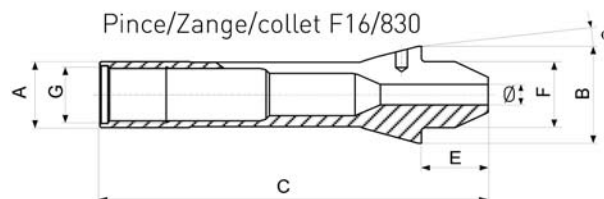
Schaublin Program

Dead length collets type F



Rubber seals for collets on pages 1.75-1.76

- Standard bores (round, square, hexagonal) according to price list. Other bores on request.
- 26) on request

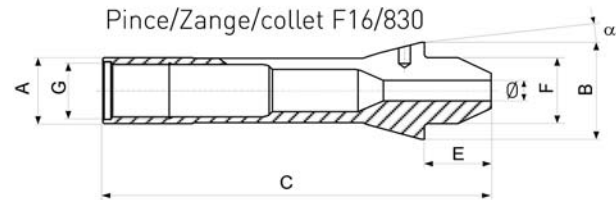
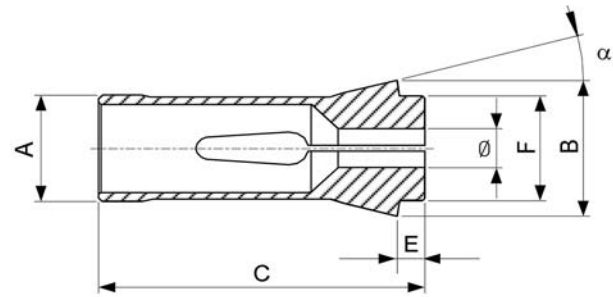
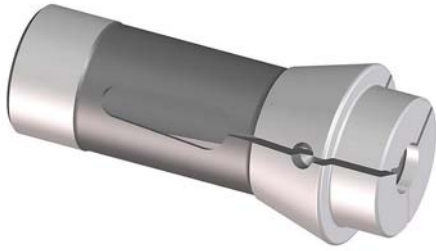

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Item No	A	B	C	E	F	G	α	\emptyset from-to	hex.	square
F4.5										
76-76	4.50	6.75	17.25	1.80	4.50	-	15°	0.30-4.00		
F6										
76-599	6.00	10.00	30.00	3.00	6.00	-	15°	0.30-4.50		
F7										
76-66	7.00	10.70	26.00	2.90	7.00	-	15°	0.30-5.00		
76-206	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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Dead length collets type F

continuation...



Item No	A	B	C	E	F	G	α	\emptyset from-to	hex.	square
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

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Extended nose collets Type F

Les dessins correspondants aux pinces se trouvent sur la page suivantes

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Entsprechende Zeichnungen auf weitere Seite

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

Rubber seals for collets on pages

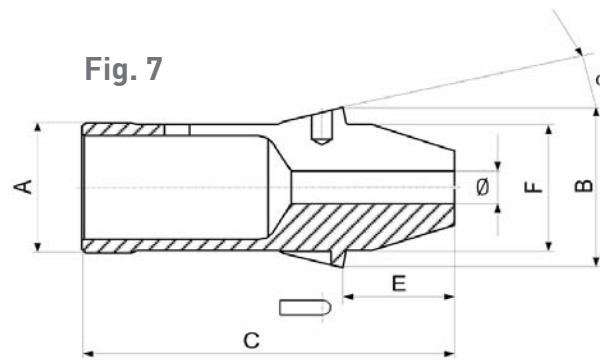
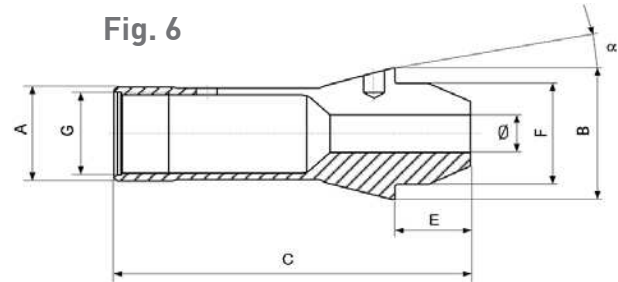
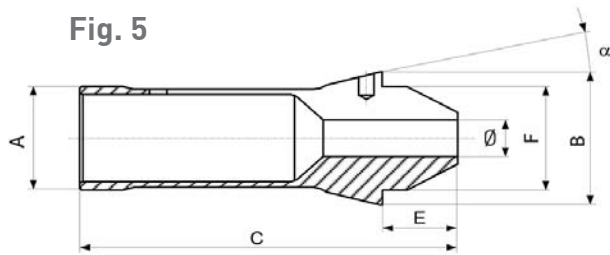
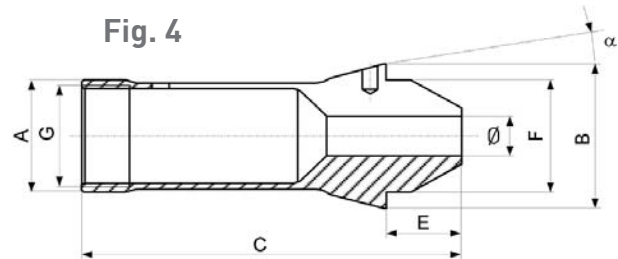
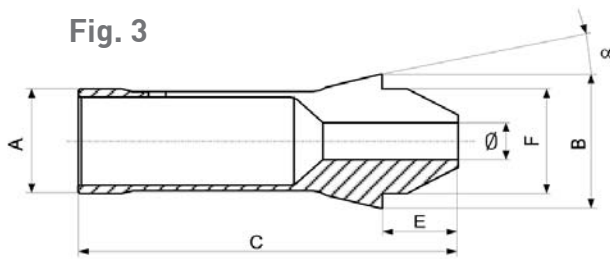
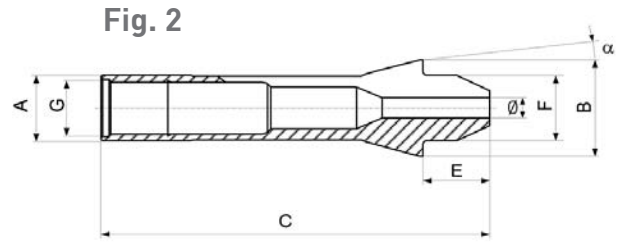
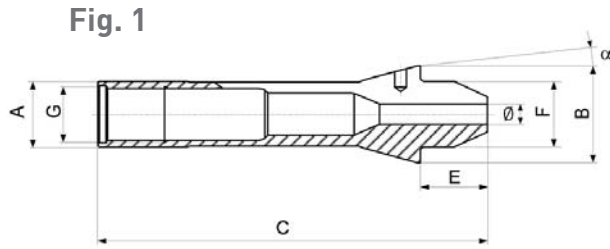
1.75-1.76

- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

Item No	A	B	C	E	F	G	α	\emptyset from-to	hex.	square	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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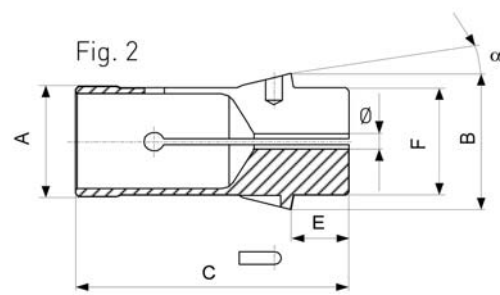
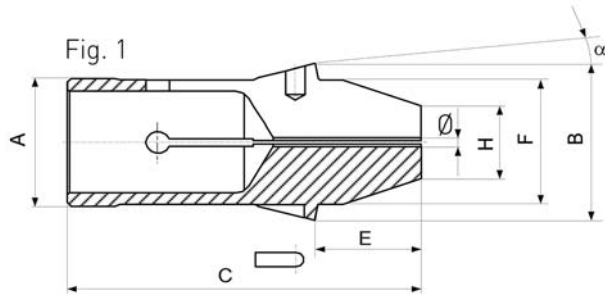
Extended nose collets Type F - drawings



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Collet blanks for EDM



Rubber seals for collets on pages 1.75-1.76

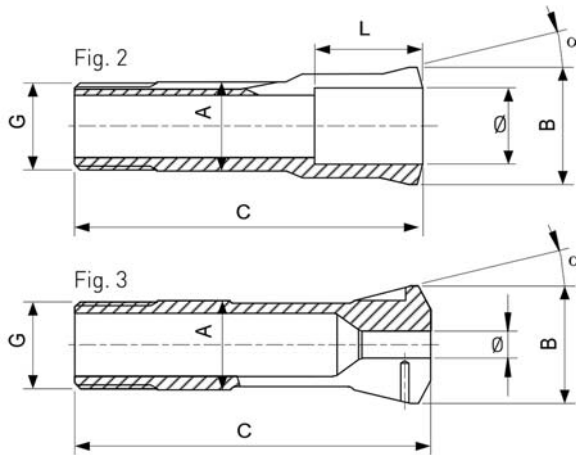
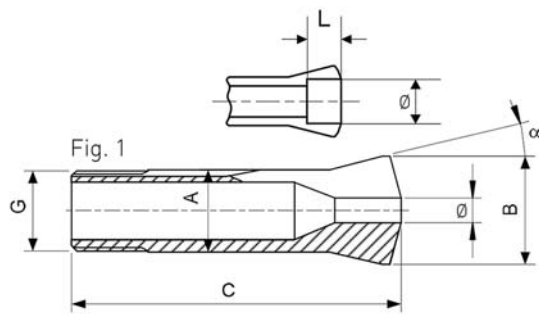
- 23) When ordering, please specify the required "H" extended nose diameter

SCHAUBLIN

Item No	A	B	C	E	F	H	α	\emptyset from-to	Fig.
F35									
23) 76-2011	35.00	43.00	90.00	27.00	34.00	12.00	15°	2.50 blank	1
76-2011	35.00	43.00	90.00	27.00	34.00	20.00	15°	2.50 blank	1
76-2012	35.00	43.00	80.00	17.00	34.00	-	15°	5.00 blank	2

Schaublin Program

Pull collets type W



Rubber seals for collets on pages 1.75-1.76

- Standard bores [round, square, hexagonal] according to price list. Other bores on request.
- 21) Non standard bores, see item 80-700
- 20) Non standard bores, see item 80-107

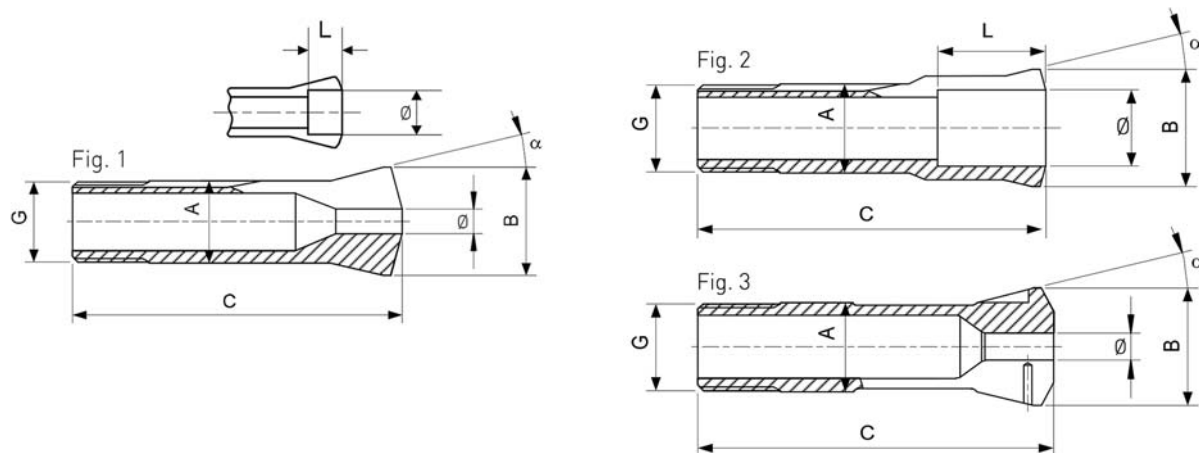
SCHAUBLIN

Type	A	B	C	G	α	\emptyset from - to	L	Fig.
W10								
80-1	10.00	14.00	43.60	$\emptyset 9.83 \times 0.833 / 45^\circ / 5^\circ$	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	$\emptyset 11.75 \times 1.25 / 45^\circ / 5^\circ$	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	$\emptyset 14.75 \times 1.25 / 45^\circ / 5^\circ$	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	$\emptyset 19.70 \times 1.666 / 45^\circ / 5^\circ$	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
20) 80-4	20.00	26.30	73.00	$\emptyset 19.70 \times 1.666 / 45^\circ / 5^\circ$	15°	18.01-18.50	10.70	1

Schaublin Program

Pull collets type W

continuation...

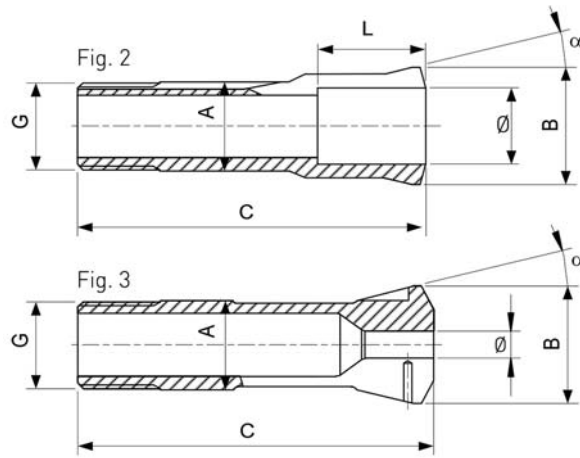
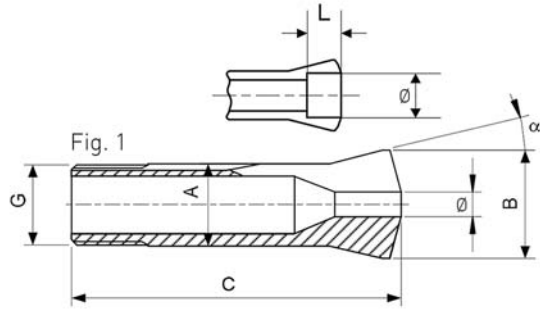


Type	A	B	C	G	α	Ø from - to	L	Fig.
W20								
20)						18.51-19.00	10.00	1
20)						19.01-19.50	8.70	1
20)						19.51-20.00	7.50	1
						20.01-20.50	6.50	1
						20.51-21.00	5.50	1
						21.01-21.50	4.70	1
						21.51-22.00	4.00	1
						22.01-22.50	3.00	1
						22.51-23.00	2.00	1
80-107	20.00	26.30	73.00	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
80-842	31.75	37.40	87.00	Ø31.40x1.27/60°	10°3'	29.00-29.99	7.00	1

Schaublin Program

Pull collets type W

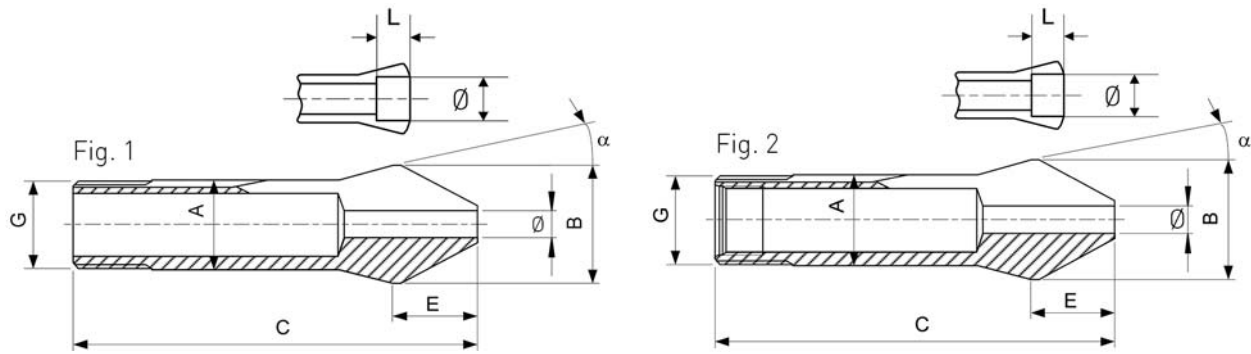
continuation...



	Ø from - to	L	Fig.
W31.75	30.00-31.00	4.00	1

Schaublin Program

Extended nose collets Type W



Rubber seals for collets on pages 1.75-1.76

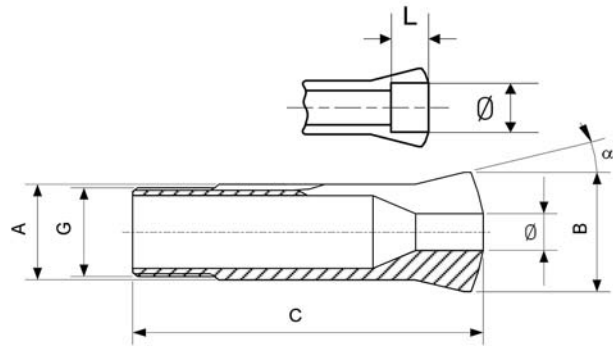
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

SCHAUBLIN

Type	A	B	C	E	G	α	\emptyset from - to	L	Fig.
W12									
80-93108	12.00	16.00	52.00	8.80	$\emptyset 11.75 \times 1.25 / 45^\circ / 5^\circ$	15°	0.30-8.00	-	1
							8.01-10.00	24.00	1
W15									
80-93285	15.00	20.20	67.00	12.00	$\emptyset 14.75 \times 1.25 / 45^\circ / 5^\circ$	15°	0.30-10.20	-	1
							10.21-12.70	32.00	1
W20									
80-92744	20.00	26.30	84.50	15.50	$\emptyset 19.70 \times 1.666 / 45^\circ / 5^\circ$	15°	0.30-13.00	-	1
							13.01-16.00	41.00	1
W25									
80-92872	25.00	33.70	112.20	19.70	$\emptyset 24.70 \times 1.693 / 45^\circ / 5^\circ$	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	$\emptyset 31.40 \times 1.27 / 60^\circ$	10°3'	0.30-25.19	-	2
							25.20-28.00	64.00	2

Schaublin Program

Pull collets type B



Rubber seals for collets on pages 1.75-1.76

- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

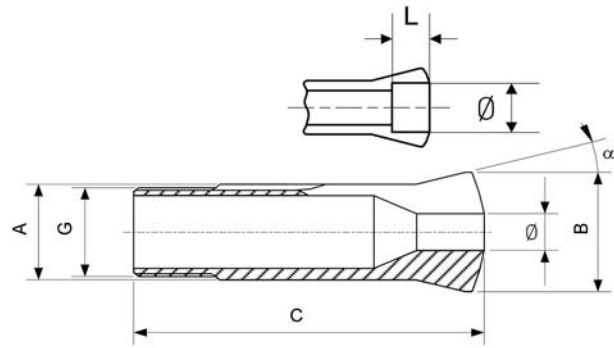
SCHAUBLIN

Type	A	B	C	G	α	\varnothing from - to	L
B6							
72-128	6.00	10.50	31.30	$\varnothing 5 \times 0.706/55^\circ$	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	$\varnothing 6.82 \times 0.625/55^\circ$	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	$\varnothing 29.70 \times 1.693/45^\circ/5^\circ$	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

Schaublin Program

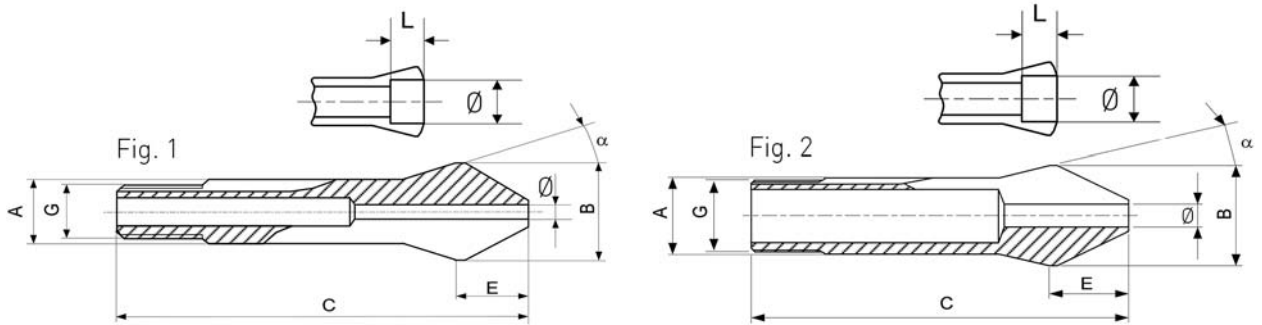
Pull collets type B

continuation...



Type	A	B	C	G	α	\varnothing from - to	L
B45							
72-199	45.00	53.00	115.00	M42x1.5	15°	44.00-45.00	8.00

Extended nose collets Type B



Rubber seals for collets on pages

1.75-1.76

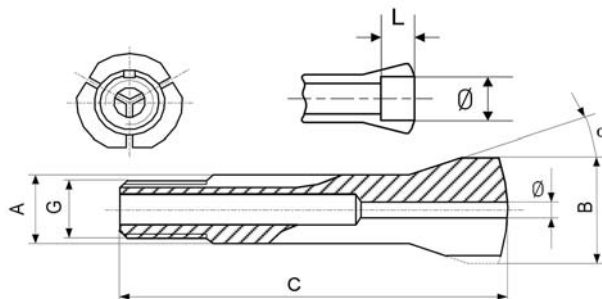
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

SCHAUBLIN

Type	A	B	C	E	G	α	\emptyset from - to	L	Fig.
B8									
72-95	8.00	13.00	40.50	7.00	$\emptyset 6.82 \times 0.625 / 55^\circ$	20°	0.30-3.30	-	1
							3.31-6.50	21.00	1
B32									
72-2003	32.00	40.00	124.00	24.00	$\emptyset 29.70 \times 1.693 / 45^\circ / 5^\circ$	15°	0.30-24.00	-	2
							24.01-28.00	64.00	2

Schaublin Program

Pull collets type B with clamping flats



Rubber seals for collets on pages 1.75-1.76

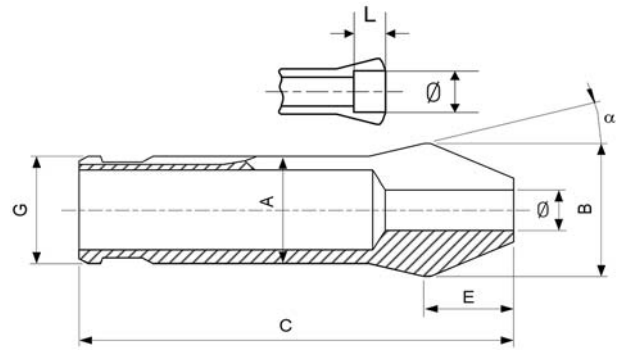
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.
- 26) = on request

SCHAUBLIN

Type	A	B	C	G	α	\varnothing from - to	L
B6							
26) 72-1897	6.00	9.00	31.30	$\varnothing 5 \times 0.706/55^\circ$	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	$\varnothing 6.82 \times 0.625/55^\circ$	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

Schaublin Program

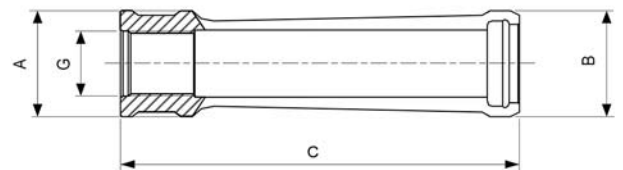
Pull collets type BCR



- Standard bores (round, square, hexagonal) according to price list. Other bores on request.
- 26) on request

Type	A	B	C	E	G	α	\emptyset from - to	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	-

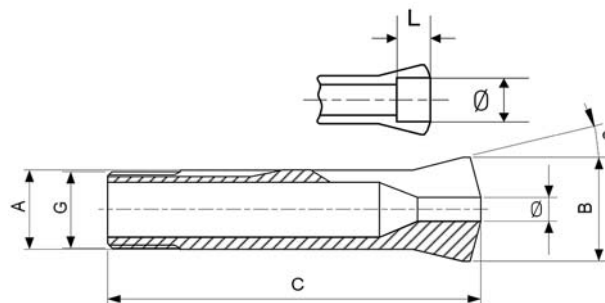
Pull-type collet for BCR



Item No	A	B	C	G
D40				
74-60039	40.00	40.00	133.00	M24x1.5

Schaublin Program

Pull collets type L



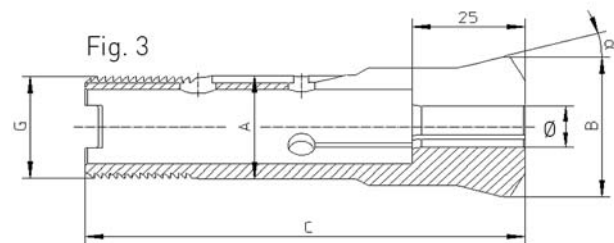
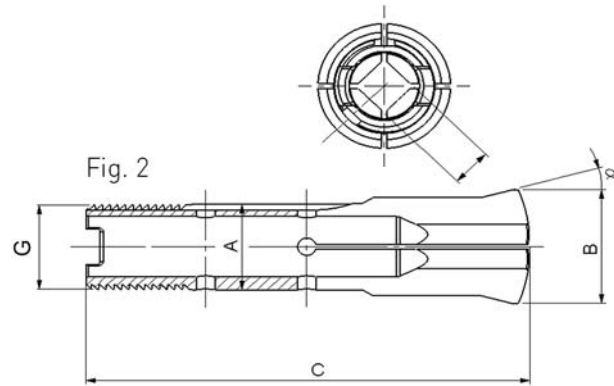
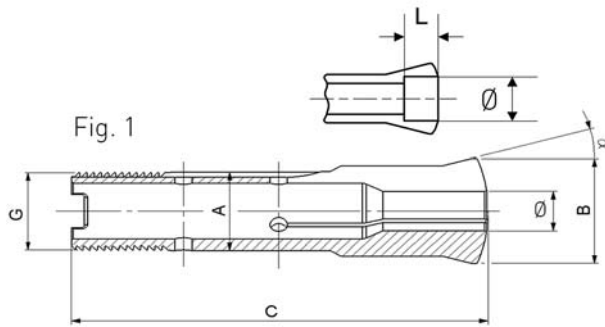
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

SCHAUBLIN

Type	A	B	C	G	α	\varnothing from - to	L
L20							
77-122	20.00	28.00	122.00	$\varnothing 19.70 \times 2/45^\circ/5^\circ$	$17^\circ 30'$	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

Schaublin Program

Pull collets type HW for Hydromat machines



Collet for sleeves

Sleeve 85-53300

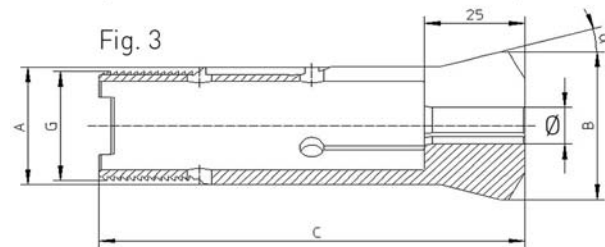
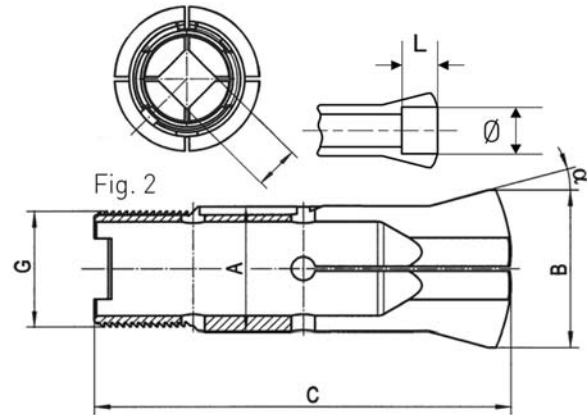
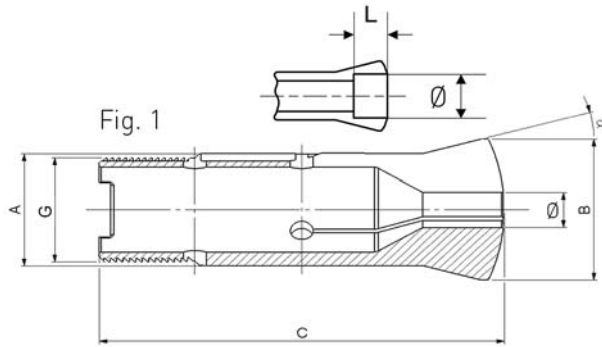
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

SCHAUBLIN

Type	A	B	C	G	α	\emptyset from - to	hex.	square	L	Fig.
HW20										
80-2030	20.00	26.30	96.50	$\emptyset 19.7 \times 1.666/45^\circ/5^\circ$	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	$\emptyset 19.7 \times 1.666/45^\circ/5^\circ$	15°	-	-	1.00-9.79	-	2
						-	-	9.80-14.00	31.00	2
HW25										
80-2010	25.00	33.70	97.60	$\emptyset 24.7 \times 1.693/45^\circ/5^\circ$	15°	5.00-15.00	-	-	-	3
80-2033	25.00	33.70	97.60	$\emptyset 24.7 \times 1.693/45^\circ/5^\circ$	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	$\emptyset 24.7 \times 1.693/45^\circ/5^\circ$	15°	-	-	3.00-12.59	-	2
						-	-	12.60-19.05	31.00	2

Schaublin Program

Pull collets type HB32 for Hydromat machines



Collet for sleeves Sleeve 85-53310

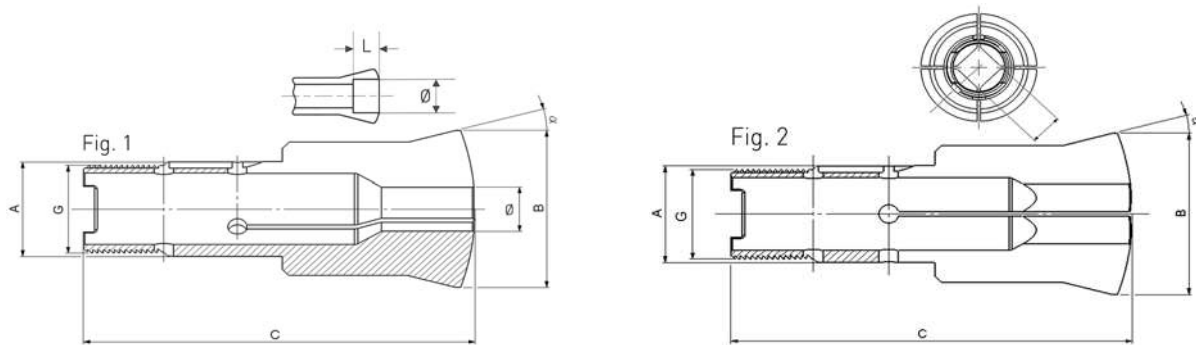
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

SCHAUBLIN

Type	A	B	C	G	α	\emptyset from - to	hex.	square	L	Fig.
HB32										
72-2010	32.00	40.00	106.00	$\emptyset 29.7 \times 1.693/45^\circ 5^\circ$	15°	6.00-20.00	-	-	-	3
72-2030	32.00	40.00	106.00	$\emptyset 29.7 \times 1.693/45^\circ 5^\circ$	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	$\emptyset 29.7 \times 1.693/45^\circ 5^\circ$	15°	-	3.00-16.99	3.00-16.99	-	2
						-	17.00-19.79	17.00-19.79	44.00	2
						-	19.80-20.99	19.80-20.99	12.00	2
						-	21.00-22.60	21.00-22.60	8.00	2

Schaublin Program

Pull collets type HB32/45 for Hydromat machines



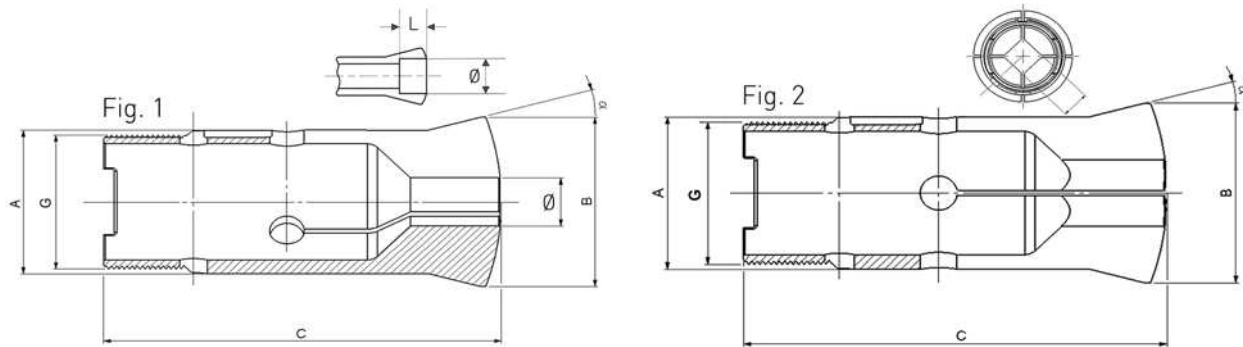
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

SCHAUBLIN

Type	A	B	C	G	α	\emptyset from - to	hex.	square	L	Fig.
HB32/45										
72-2033	32.00	53.00	122.00	$\emptyset 29.7 \times 1.693/45^\circ/5^\circ$	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	$\emptyset 29.7 \times 1.693/45^\circ/5^\circ$	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 Program

Pull collets type HB45 for Hydromat machines



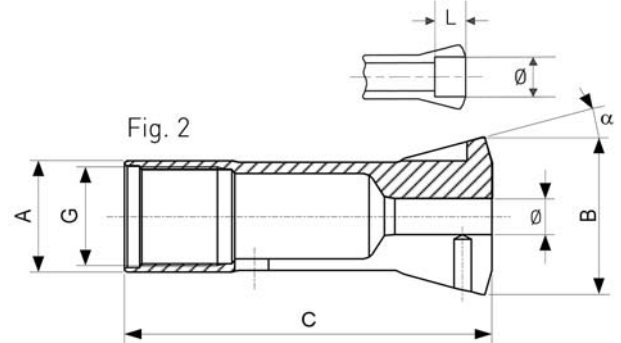
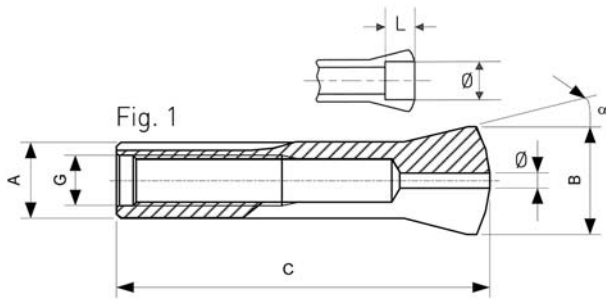
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

SCHAUBLIN

Type	A	B	C	G	α	\emptyset from - to	hex.	square	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

Schaublin Program

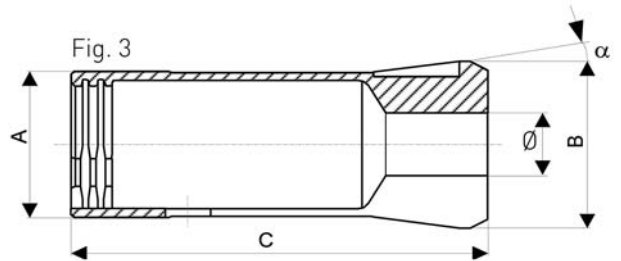
Pull collets type P



Rubber seals for collets on pages

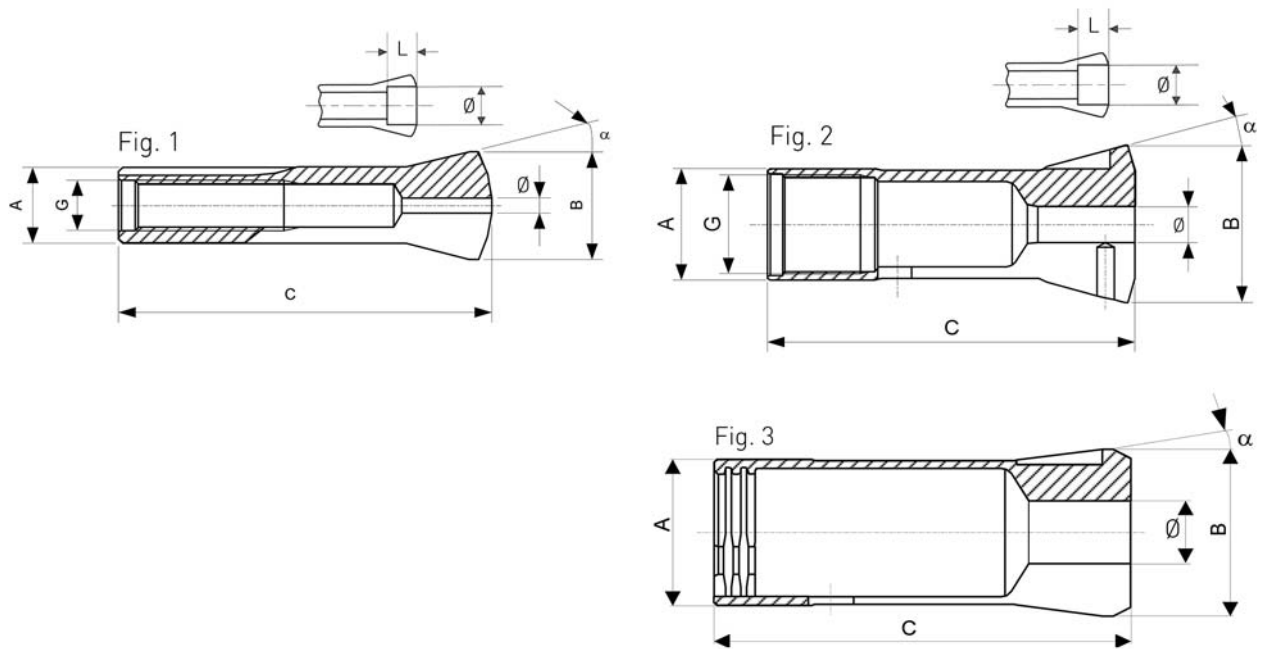
1.75-1.76

- Standard bores (round, square, hexagonal) according to price list. Other bores on request.



SCHAUBLIN

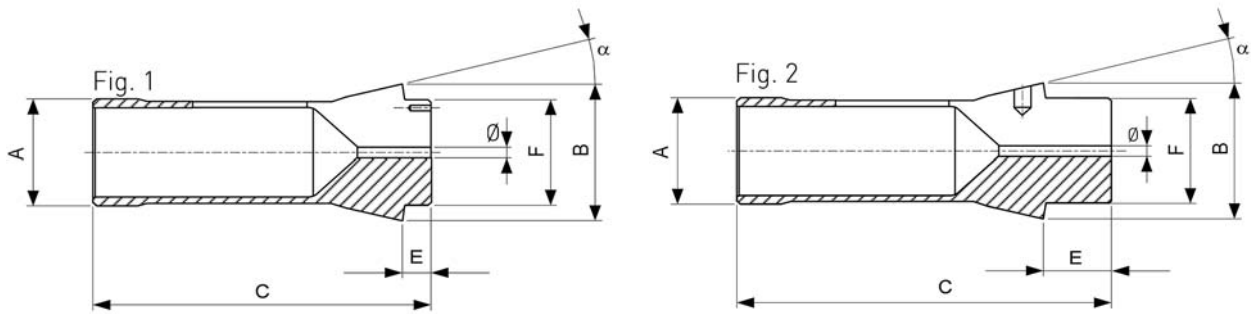
Type	A	B	C	G	α	Ø from - to	L	Fig.
P4.5								
78-153	4.50	6.75	22.90	M3.35	15°	0.30-2.50	-	1
						2.51-3.00	8.50	1
						3.01-4.00	4.00	1
						4.01-4.50	3.00	1
P5								
78-154	5.00	7.00	22.90	M3.50	15°	0.30-2.70	-	1
						2.71-3.00	8.50	1
						3.01-3.50	12.00	1
						3.51-4.00	4.00	1
						4.01-4.50	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



Type	A	B	C	G	α	\emptyset from - to	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

Schaublin Program

Emergency collets type F



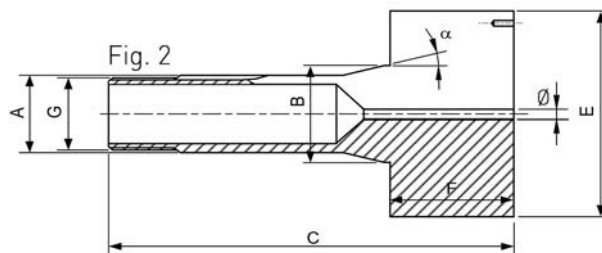
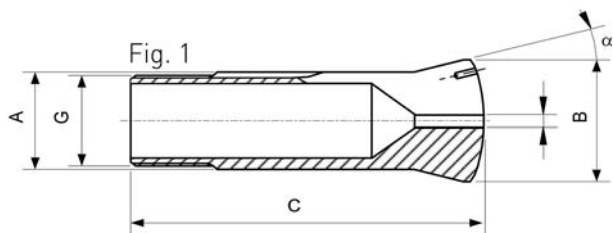
- 1) While stocks last

SCHAUBLIN

Item No	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

Schaublin Program

Emergency collets type W, B



- 14) Made in brass
- 26) on request

SCHAUBLIN

Item No	A	B	C	\emptyset	E	F	G	α	Fig.
W12									
80-52200	12.00	16.00	45.60	1.50	-	-	$\emptyset 11.75 \times 1.25 / 45 / 5$	15°	1
14) 80-50315	12.00	16.00	45.60	1.50	-	-	$\emptyset 11.75 \times 1.25 / 45 / 5$	15°	1
W20									
80-50300	20.00	26.30	73.00	2.00	-	-	$\emptyset 19.70 \times 1.666 / 45 / 5$	15°	1
14) 80-50314	20.00	26.30	73.00	2.00	-	-	$\emptyset 19.70 \times 1.666 / 45 / 5$	15°	1
80-52365	20.00	26.30	105.60	6.00	47.00	35.00	$\emptyset 19.70 \times 1.666 / 45 / 5$	15°	2
W25									
80-50294	25.00	33.70	97.60	2.00	-	-	$\emptyset 24.70 \times 1.693 / 45 / 5$	15°	1
14) 80-50344	25.00	33.70	97.60	2.00	-	-	$\emptyset 24.70 \times 1.693 / 45 / 5$	15°	1
26) 80-53004	25.00	33.70	129.00	6.00	47.00	35.00	$\emptyset 24.70 \times 1.693 / 45 / 5$	15°	2
W31.75									
80-52531	31.75	37.40	87.00	2.00	-	-	$\emptyset 31.4 \times 1.27 / 60$	10°3'	1
14) 26) 80-53000	31.75	37.40	87.00	2.00	-	-	$\emptyset 31.4 \times 1.27 / 60$	10°3'	1
B6									
72-53005	6.00	10.50	31.30	1.00	-	-	$\emptyset 5 \times 0.706 / 55$	20°	1
B8									
72-53000	8.00	13.00	35.50	1.20	-	-	$\emptyset 6.82 \times 0.625 / 55$	20°	1
B32									
72-50615	32.00	40.00	106.00	2.00	-	-	$\emptyset 29.7 \times 1.693 / 45 / 5$	15°	1
72-52525	32.00	40.00	137.00	6.00	60.00	35.00	$\emptyset 29.7 \times 1.693 / 45 / 5$	15°	2
14) 72-52290	32.00	40.00	106.00	2.00	-	-	$\emptyset 29.7 \times 1.693 / 45 / 5$	15°	1
B45									
72-53001	45.00	53.00	115.00	3.00	-	-	M42x1.5	15°	1

Schaublin Program

Internal step collet blanks



The full Schaublin program is available on request or online



SCHAUBLIN

External step collet blanks



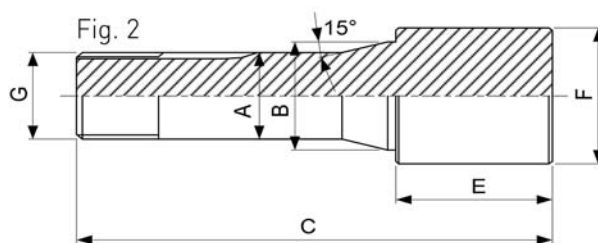
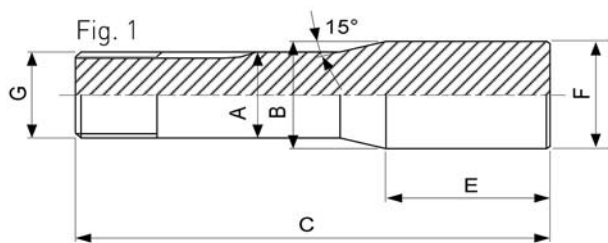
The full Schaublin program is available on request or online



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Schaublin Program

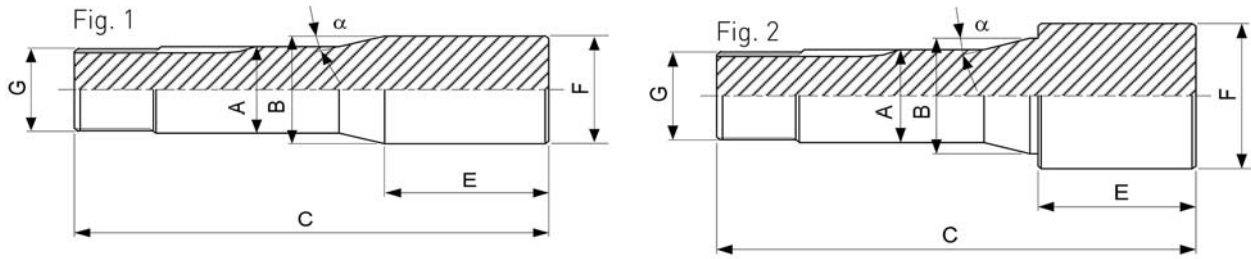
Ground collet arbor blanks type W


SCHAUBLIN

Type	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

Schaublin Program

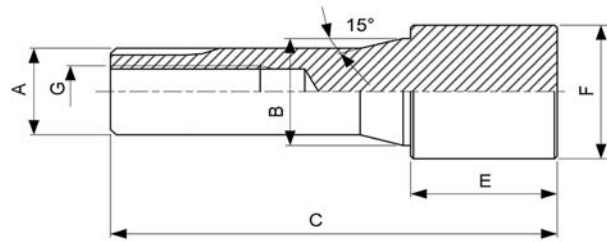
Ground collet arbor blanks type B



SCHAUBLIN

Type	A	B	C	E	F	G	α	Fig.
B8								
83-10004	8.00	13.20	73.80	40.00	13.20	$\emptyset 6.82 \times 0.625 / 55^\circ$	20°	1
83-10005	8.00	13.00	74.60	40.00	20.00	$\emptyset 6.82 \times 0.625 / 55^\circ$	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	$\emptyset 29.7 \times 1.693 / 45^\circ / 5^\circ$	15°	2
			202.00	100.00	80.00		15°	2

Ground collet arbor blanks type P

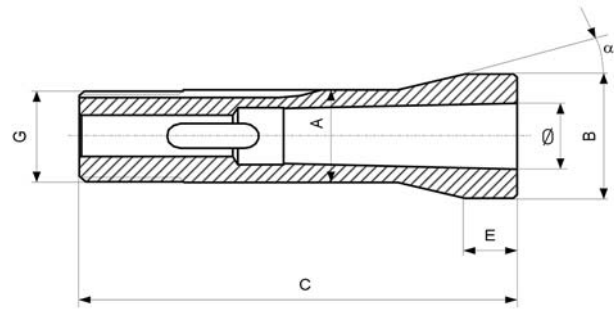


SCHAUBLIN

Type	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	

Schaublin Program

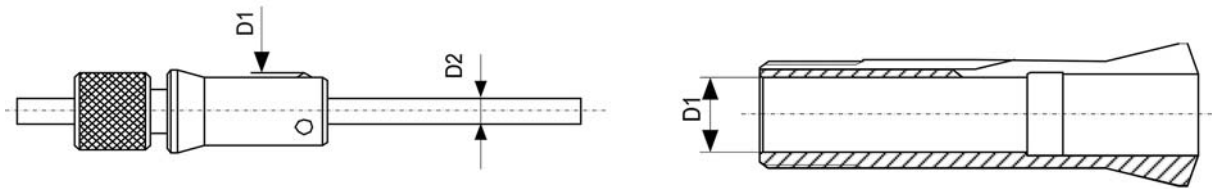
Sleeve with Morse cone


SCHAUBLIN

Item No	A	B	C	E	G	α	\varnothing from-to
W20							
102-20275	20.00	26.30	71.00	2.00	$\varnothing 19.7 \times 1.666/45^\circ/5^\circ$	15°	DIN228 MK1
102-20276	20.00	26.30	89.00	20.00	$\varnothing 19.7 \times 1.666/45^\circ/5^\circ$	15°	DIN228 MK2
W25							
102-25275	25.00	33.70	100.5	8.00	$\varnothing 24.7 \times 1.693/45^\circ/5^\circ$	15°	DIN228 MK1

Schaublin Program

Adjustable depth stops



Suitable for other collet types using the same D1 diameter

Type	D1 min - max	D2	for
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

Schaublin Program

HSK tool holders



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The full Schaublin program is available on request or online

ISO 10-20-25-30-35-40 tool holders



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BT30 / BT40 tool holders



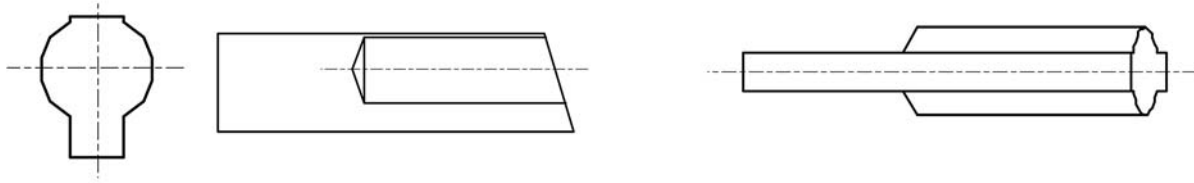
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Schaublin Program

Rubber seals



Rubber seals for following collet types are included but can be ordered as spares

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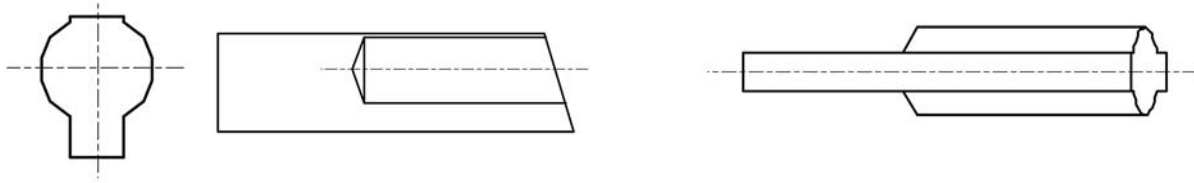
Type	Rubber seal	Pos	Round Ø	Square	Hex.
B34					
72-1820	76-832	50	min-11.99	min-11.99	min-9.99
	76-832	40	12.00-max	12.00-max	10.00-max
B46					
72-2007	76-832	70	min-27.99	min-23.99	min-19.49
	76-832	60	28.00-max	24.00-max	19.50-max
F16					
76-830	M505220	silicon Ø 4			
F20					
76-87	76-832	10			
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
F42					
76-99	76-832	70	min-19.99	min-17.99	min-11.99



Schaublin Program

Rubber seals

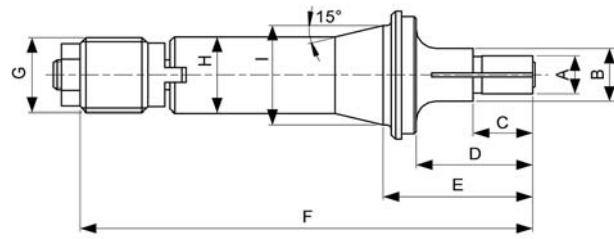
continuation...



Type	Rubber seal	Pos	Round Ø	Square	Hex.
F42	76-832	60	20.00-max	18.00-max	12.00-max
F48	76-832	70	min-23.99	min-7.99	min-7.99
76-81	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			

Schaublin Program

Expanding arbors typ W



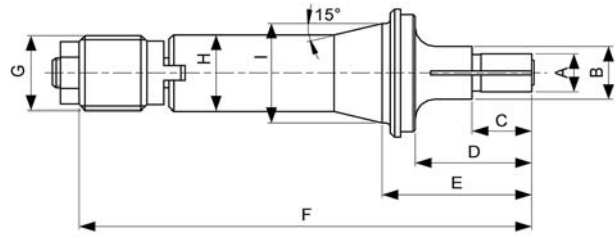
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

SCHAUBLIN

Type	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	∅ 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	∅19.70x1.666/45°-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	∅24.70x1.693/45°-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			

Schaublin Program

Expanding arbors type B



- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

SCHAUBLIN

Type	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			

Toolholders with shank E (8°)

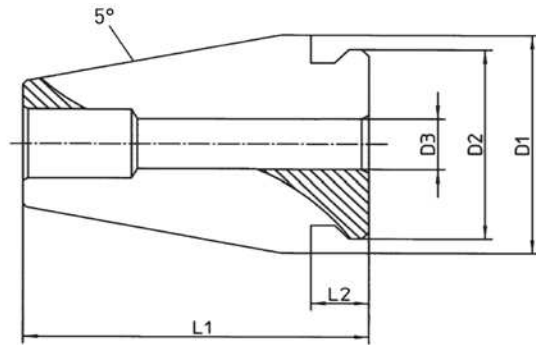
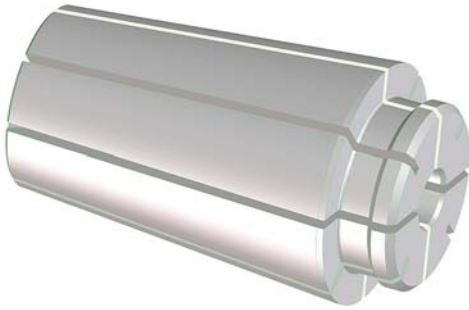


The full Schaublin program is available on request or online

SCHAUBLIN

Schaublin Program

Collets type D



with special taper for high-speed cutting

This UP quality clamps the nominal diameter

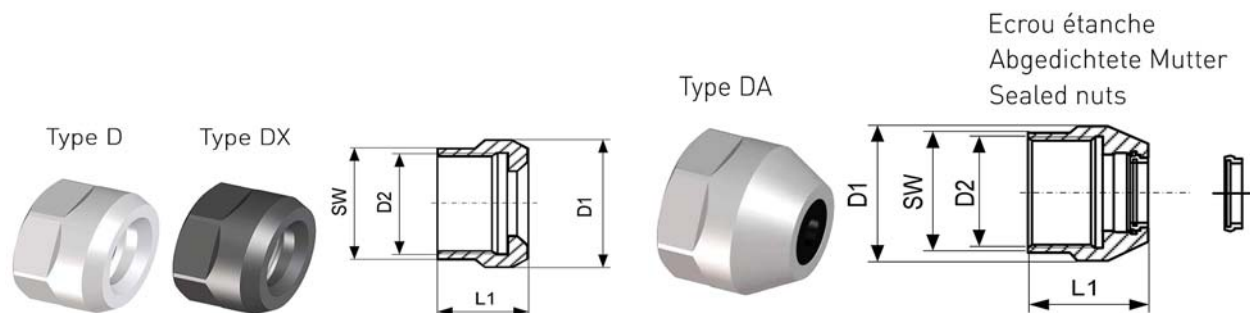
- Standard bores (round, square, hexagonal) according to price list. Other bores on request.

SCHAUBLIN

Type	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

Schaublin Program

Balanced nuts for collets type D



- In cases where it is not possible to clean and degrease the thread regularly, the DX nut prevents loosening. When vibration, clamping forces or temperature are very high, the coating prevents the nut from seizing on the collet chuck.

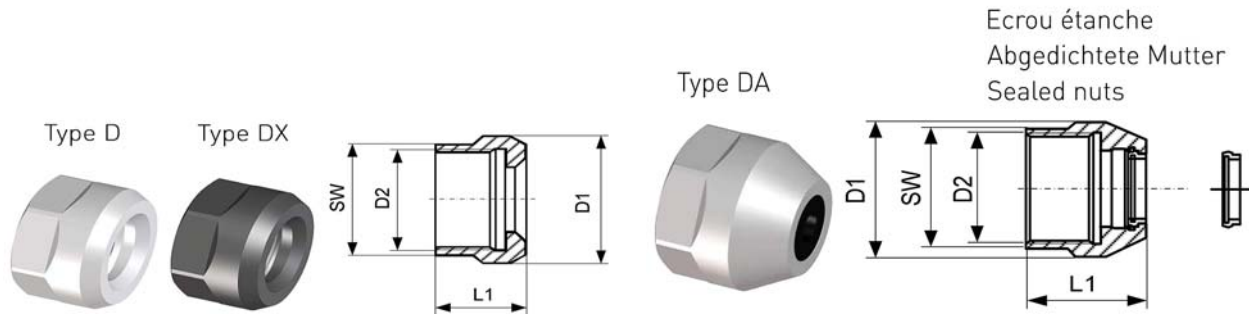
SCHAUBLIN

Type	D1	D2	L1	SW	Sealed disc
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	-
DX20					
68-20703	30.50	M24x1.00	19.00	27.00	-

Schaublin Program

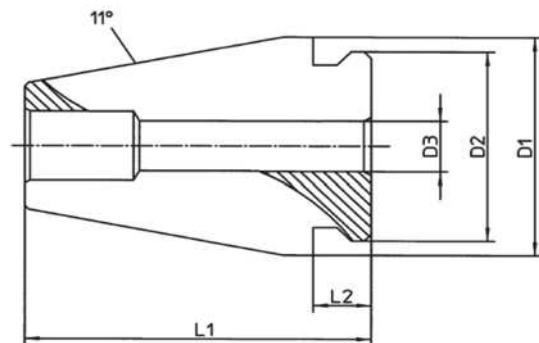
Balanced nuts for collets type D

continuation...



Type	D1	D2	L1	SW	Sealed disc
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

SRP6 compatible collets for high accurate spindles



This quality clamps the nominal diameter

For \varnothing 2.35 - 3.49 L= 26.00

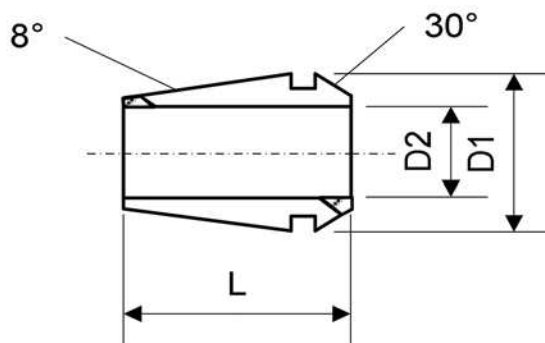
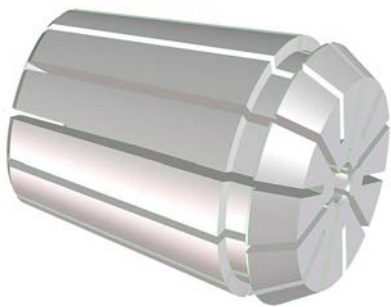
For \varnothing 3.50 - 8.00 L= 36.00

SCHAUBLIN

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

Schaublin Program

ESX collets (DIN 6499-B)



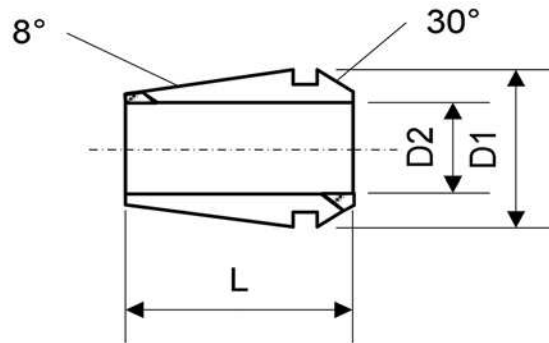
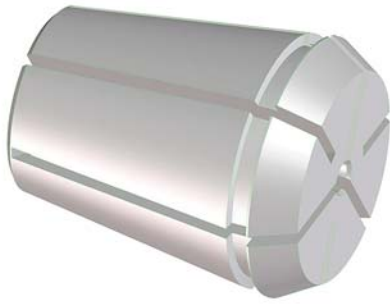
Standard quality
with compression (S) inwards

SCHAUBLIN

Type	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

Schaublin Program

EX collets (DIN 6499-A)



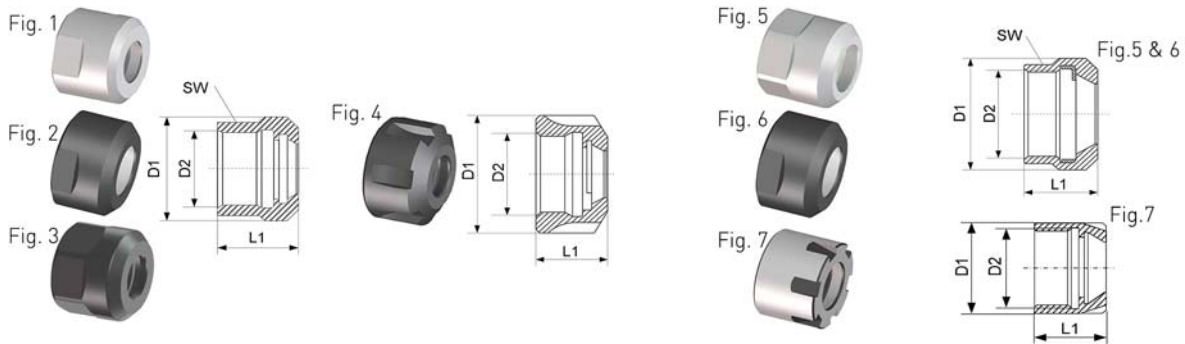
UP Quality
Clamps the nominal diameter

SCHAUBLIN

Type	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 Program

EX / EXP / EXM Lock nuts (DIN6499)



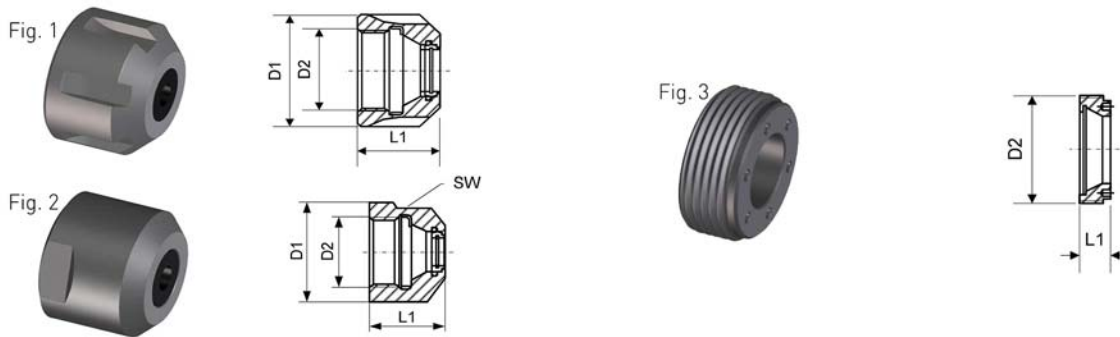
Different wrenches on demand

SCHAUBLIN

Type	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

Schaublin Program

EXA / EXPA / EXF lock nuts (DIN6499)



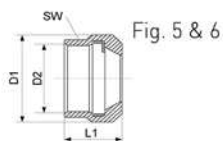
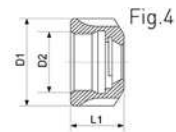
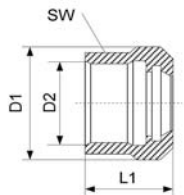
Different wrenches on demande

SCHAUBLIN

Type	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 Program

EXE / EXPE Lock nuts (DIN6499)



Different wrenches on demand

SCHAUBLIN

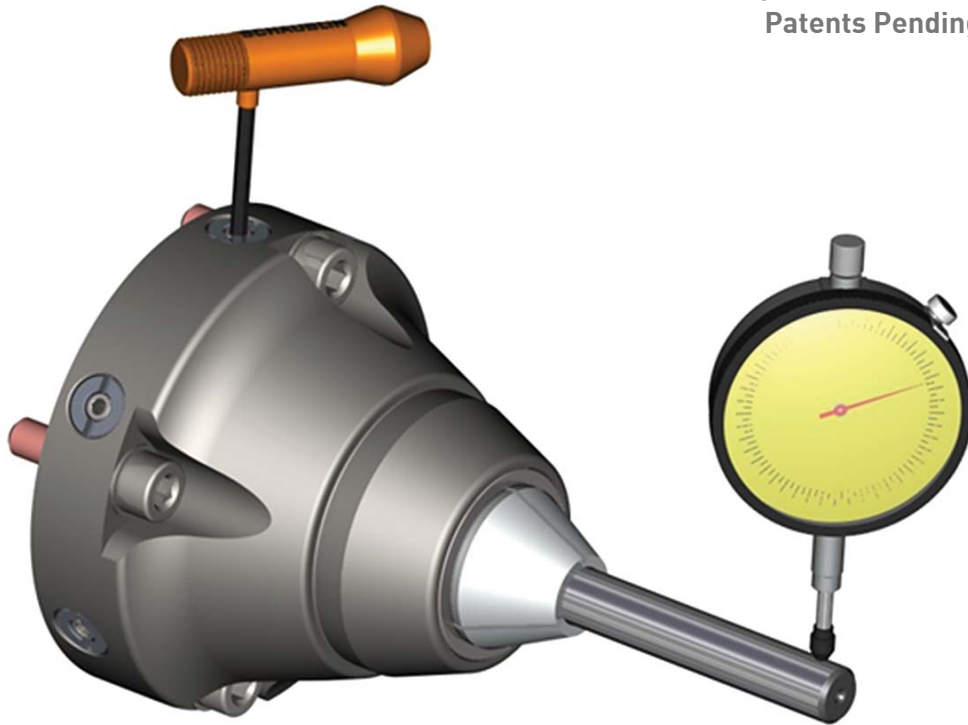
Type	D1	D2	L1	SW	Fig.
EXE9					
61-9720	15.00	M11x0.75	11.50	13.00	1
EXE12					
61-12720	19.00	M14x0.75	14.00	17.00	3
EXE16					
61-16720	32.00	M22x1.50	18.00	-	4
EXE20					
61-20720	35.00	M25x1.50	19.50	-	4
EXE25					
61-25720	42.00	M32x1.50	20.50	-	4
EXE32					
61-32720	50.00	M40x1.50	23.00	-	4
EXE40					
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

Schaublin Program

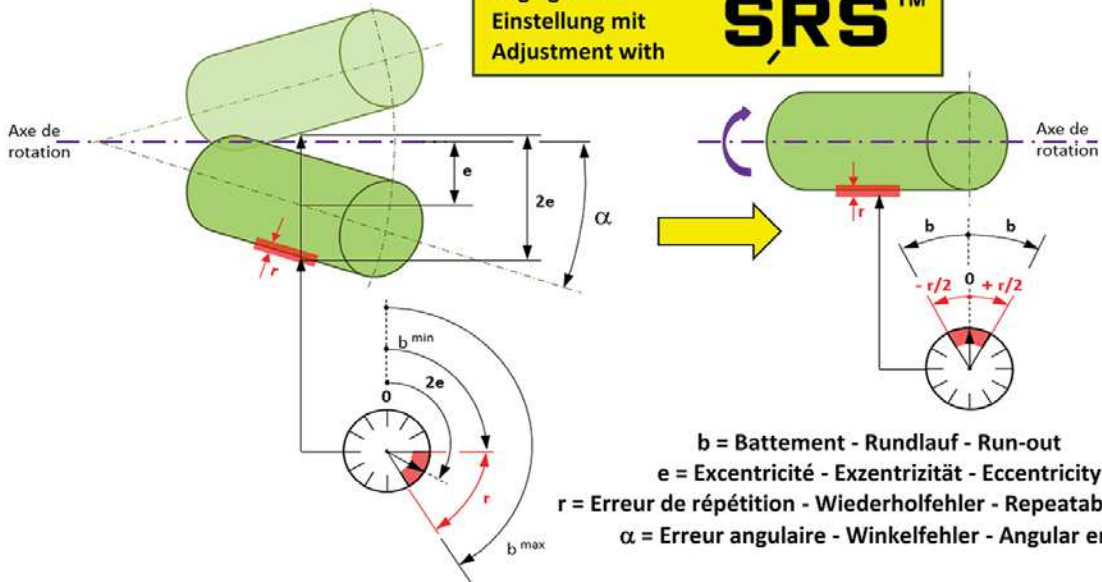
SRS Schaublin Runout adjustment System

SCHAUBLIN

European and Other World Patents Pending

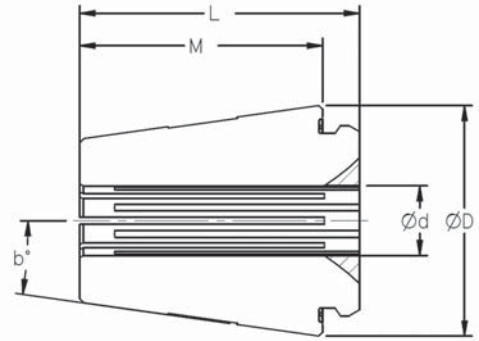
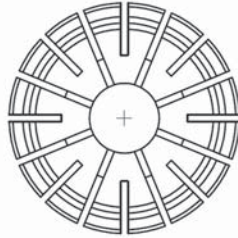
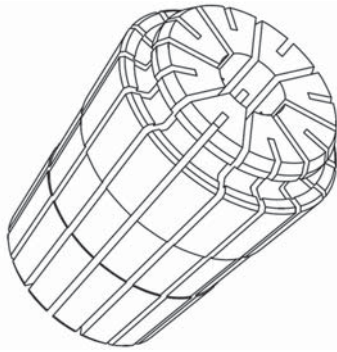


Réglage avec Einstellung mit Adjustment with **SRS™**



Tecnopinz collets

ETS collets



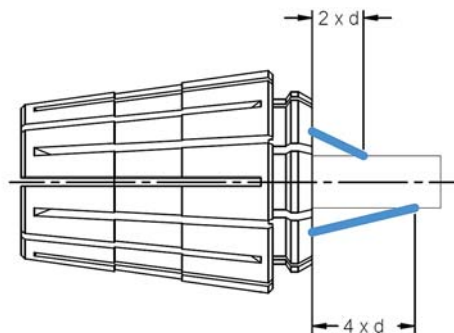
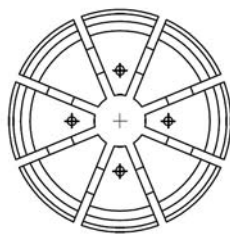
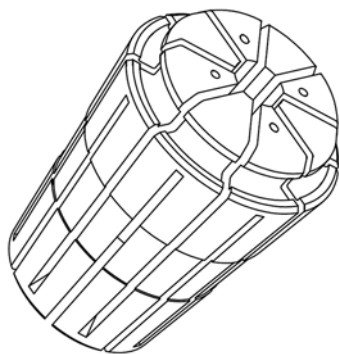
Example item No :
ETS 40 Ø 22.00 = 1140.2200



Item No	Ø d	Ø D	bore	L	M	b°
ETS 9 collet						
1109.Ø	1.00 - 5.00	9.10	per 0.50	13.00	11.40	8°
ETS 10 collet						
1110.Ø	1.25 - 3.00	10.30	per 0.25	14.00	11.80	8°
1110.Ø	3.25 - 5.00	10.50	per 0.25	14.00	11.80	8°
ETS 12 collet						
1112.Ø	1.25 - 2.50	11.40	per 0.25	17.00	14.20	8°
1112.Ø	3.00 - 7.00	11.70	per 0.50	17.00	14.20	8°
ETS 14 collet						
1114.Ø	1.25 - 2.50	14.35	per 0.25	20.50	17.50	8°
1114.Ø	3.00 - 8.00	14.55	per 0.50	20.50	17.50	8°
ETS 16 collet						
1116.Ø	1.25 - 2.50	16.40	per 0.25	24.00	21.00	8°
1116.Ø	3.00 - 4.00	16.70	per 0.50	24.00	21.00	8°
1116.Ø	5.00 - 10.00	17.00	per 1.00	24.00	21.00	8°
ETS 20 collet						
1120.Ø	1.00 - 2.50	20.40	per 0.25	30.50	26.70	8°
1120.Ø	3.00 - 4.00	20.70	per 0.50	30.50	26.70	8°
1120.Ø	5.00 - 12.00	21.10	per 1.00	30.50	26.70	8°
1120.Ø	13.00	21.10	per 1.00	27.50	23.70	8°
ETS 25 collet						
1125.Ø	1.00 - 2.50	25.30	per 0.25	34.00	29.40	8°
1125.Ø	3.00 - 4.00	25.70	per 0.50	34.00	29.40	8°
1125.Ø	5.00 - 16.00	26.10	per 1.00	34.00	29.40	8°
ETS 32 collet						
1132.Ø	1.50 - 3.00	32.40	per 0.50	40.00	34.70	8°
1132.Ø	4.00 - 20.00	33.10	per 1.00	40.00	34.70	8°
ETS 40 collet						
1140.Ø	4.00 - 26.00	41.10	per 1.00	45.00	39.60	8°

Tecnopinz collets

ETS Spray collets



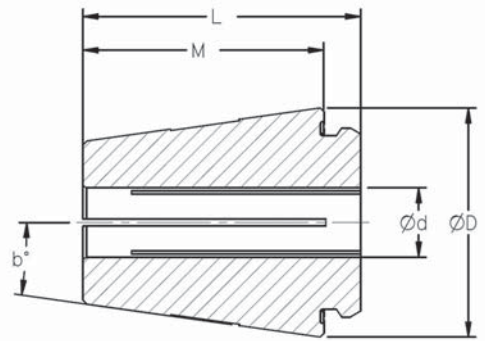
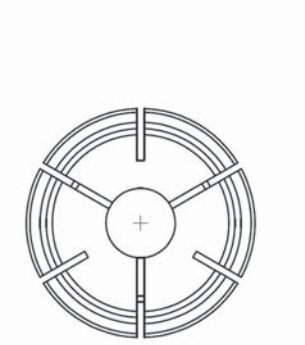
Example item No. :
ETS 16-S Ø 4.00 = 1116.0400-S

SWISS QUALITY MADE
tecnopinz 

Item No	Ø d	Ø D	bore	L	M	b°
ETS 9S collet						
1109.Ø-S	1.00 - 5.00	9.10	per 0.50	13.00	11.40	8°
ETS 10S collet						
1110.Ø-S	1.25 - 3.00	10.30	per 0.25	14.00	11.80	8°
1110.Ø-S	3.25 - 5.00	10.50	per 0.25	14.00	11.80	8°
ETS 12S collet						
1112.Ø-S	1.25 - 2.50	11.40	per 0.25	17.00	14.20	8°
1112.Ø-S	3.00 - 7.00	11.70	per 0.50	17.00	14.20	8°
ETS 14S collet						
1114.Ø-S	1.25 - 2.50	14.35	per 0.25	20.50	17.50	8°
1114.Ø-S	3.00 - 8.00	14.55	per 0.50	20.50	17.50	8°
ETS 16S collet						
1116.Ø-S	1.25 - 2.50	16.40	per 0.25	24.00	21.00	8°
1116.Ø-S	3.00 - 4.00	16.70	per 0.50	24.00	21.00	8°
1116.Ø-S	5.00 - 10.00	17.00	per 1.00	24.00	21.00	8°
ETS 20S collet						
1120.Ø-S	1.00 - 2.50	20.40	per 0.25	30.50	26.70	8°
1120.Ø-S	3.00 - 4.00	20.70	per 0.50	30.50	26.70	8°
1120.Ø-S	5.00 - 12.00	21.10	per 1.00	30.50	26.70	8°
1120.Ø-S	13.00	21.10	per 1.00	27.50	23.70	8°
ETS 25S collet						
1125.Ø-S	1.00 - 2.50	25.30	per 0.25	34.00	29.40	8°
1125.Ø-S	3.00 - 4.00	25.70	per 0.50	34.00	29.40	8°
1125.Ø-S	5.00 - 16.00	26.10	per 1.00	34.00	29.40	8°
ETS 32S collet						
1132.Ø-S	1.50 - 3.00	32.40	per 0.50	40.00	34.70	8°
1132.Ø-S	4.00 - 20.00	33.10	per 1.00	40.00	34.70	8°
ETS 40S collet						
1140.Ø-S	4.00 - 26.00	41.10	per 1.00	45.00	39.60	8°

Tecnopinz collets

ETA collets



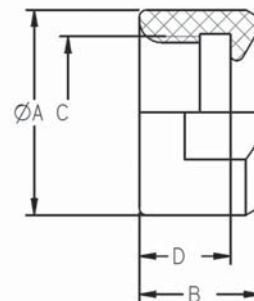
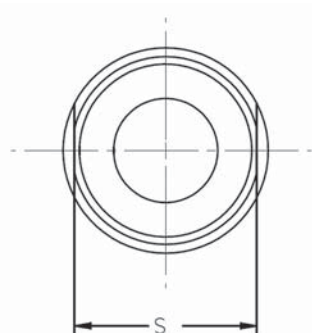
Example item No. :
ETA 16 \varnothing 0.30 = 1016.0030



Item No	$\varnothing d$	$\varnothing D$	bore	L	M	b°
ETA 6 collet						
1006. \varnothing	0.20 - 2.00	6.00	per 0.10	11.00	9.00	5°
ETA 8 collet						
1008. \varnothing	0.20 - 4.00	8.00	per 0.10	13.20	11.00	5°
ETA 9 collet						
1009. \varnothing	0.20 - 1.00	9.10	per 0.10	13.20	11.00	8°
ETA 10 collet						
1010. \varnothing	0.20 - 5.50	10.00	per 0.10	14.00	11.80	8°
ETA 12 collet						
1012. \varnothing	0.20 - 1.00	11.40	per 0.10	17.00	14.20	8°
ETA 14 collet						
1014. \varnothing	0.20 - 1.00	14.20	per 0.10	20.50	17.50	8°
ETA 16 collet						
1016. \varnothing	0.20 - 10.00	16.20	per 0.10	24.00	21.00	8°

Tecnopinz collets

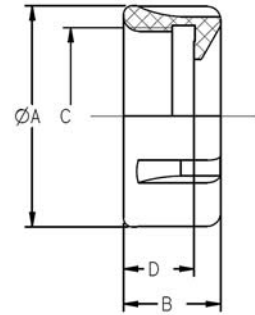
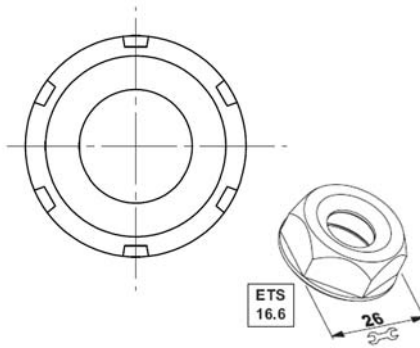
ETS & ETA lock nuts with 2 flats



Item No	Ø A	B	C	S	D
ETA 6 nut					
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 nut					
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 nut					
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 nut					
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 nut					
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 nut					
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 nut					
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

Tecnopinz collets

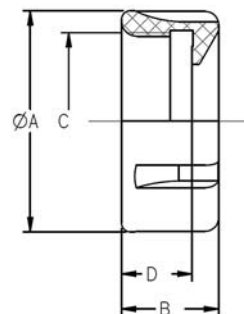
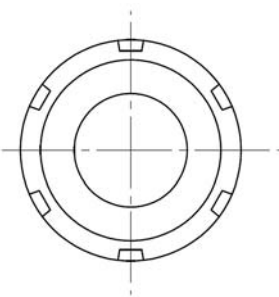
ETS & ETA lock profil nuts



Item No	Ø A	B	C	D
ETS 14 nut				
3014.0000	22.00	11.20	M17 x 1.00	8.70
ETS 16 nut				
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 nut				
3020.0000	35.00	16.50	M25 x 1.50	12.00
ETS 25 nut				
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 nut				
3032.0000	50.00	22.00	M40 x 1.50	16.00
ETS 40 nut				
3040.0000	63.00	25.00	M50 x 1.50	18.50

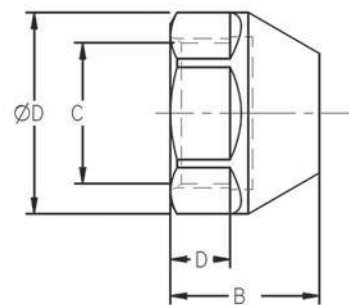
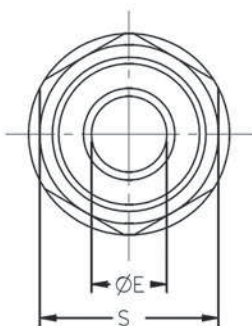
Tecnopinz collets

ETS & ETA Profile lock nut left hand thread



Item No	Ø A	B	C	D
ETS 25 nut				
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 nut				
3032.1000	50.00	22.00	M40 x 1.50 (L)	16.00
ETS 40 nut				
3040.1000	63.00	25.00	M50 x 1.50 (L)	18.50

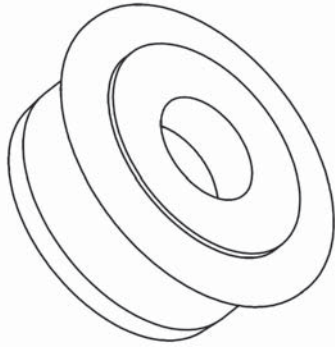
ETS & ETA FLUID lock nuts



Item No	Ø D	Ø E	B	C	D
ETA / ETS 16 nut					
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 nut					
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 nut					
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 nut					
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

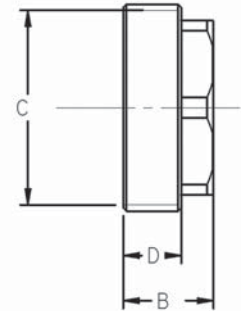
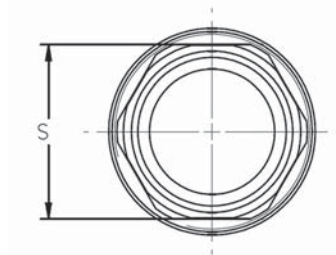
Tecnopinz collets

ETS & ETA Fluid sealing discs



Item No	Ø d	Ø D	bore
ETA / ETS 16 disc			
2016.0000-D	3.00 - 6.00	10.00	per 1.00
ETS 20 disc			
2020.0000-D	3.00 - 8.00	12.00	per 1.00
ETS 25 disc			
2025.0000-D	3.00 - 12.00	16.00	per 1.00
ETS 32 disc			
2032.0000-D	3.00 - 16.00	20.00	per 1.00

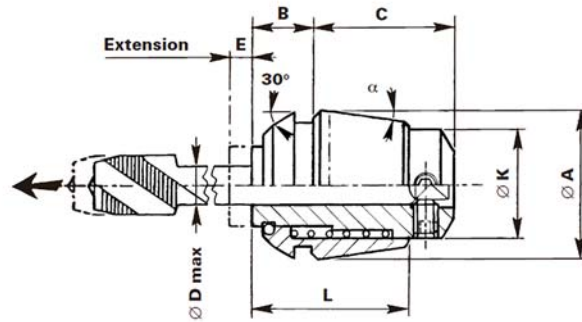
ETS-X lock nuts



Item No	B	C	S	D
ETA / ETS 16 nut				
3016.0000-X	12.00	M24 x 1.00	21.00	7.00
ETS 20 nut				
3020.0000-X	13.00	M28 x 1.50	25.00	8.00
ETS 25 nut				
3025.0000-X	14.00	M32 x 1.50	27.00	9.00
ETS 32 nut				
3032.0000-X	15.00	M40 x 1.50	35.00	10.00

PCM tapping collets

ET1 / RT1 Standard sizes



Item No	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 tapping collets

ET1 / RT1 collets



ET1 (DIN 6499, ER/ESX, 8°)

RT1 (DIN 6388, 2.85°)

To place an order for the RT1 tapping collet series,
please replace ET1 by RT1.

Example : ET1-16400 = RT1-16400

Ø Shank	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

PCM tapping collets

ET1 / RT1 collets

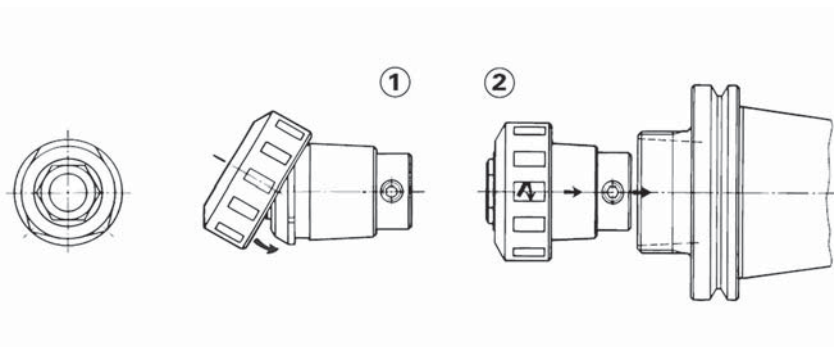
continuation ...



∅ Shank	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 tapping collets

ET1 / RT1 collets with inch \emptyset Shanks



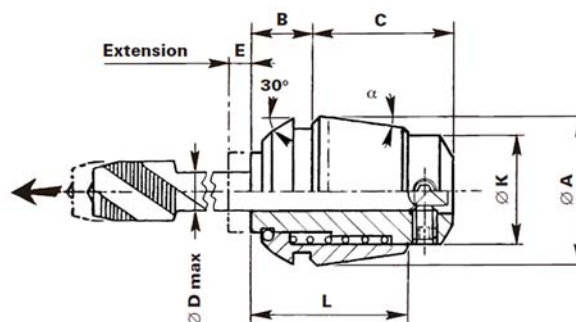
- INSERT TOGETHER tapping collet with tap and pre-assembled nut into the toolholder, as shown on fig. 2.
- ENGAGE the nut with the extractor in the collet groove as shown on fig. 1
- The power clamping nuts are recommended for heavy tapping operations.



Inch \emptyset Shank	\emptyset Shank	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

PCM tapping collets

Taps shank diameters

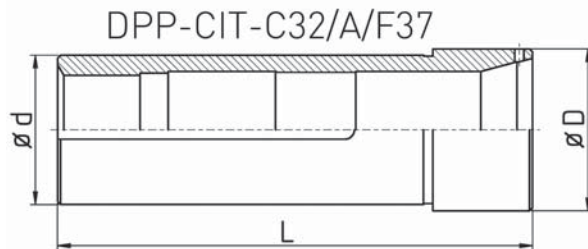
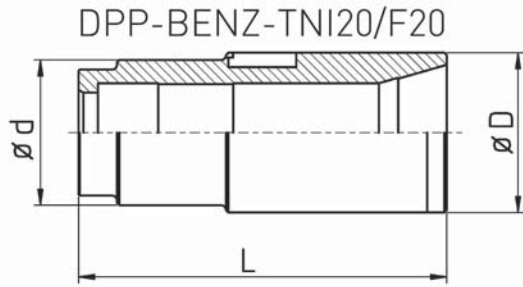


- The above mentioned diameters also apply to other norms as : DIN 351 / 356 / 2182 / 2183 / 5156 / 5157.
- The above * 2.24 MF3 ISO 2283 diameter is valid for a long shank execution only.
- The watch-makers taps are normless.

Thread	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

Collet Sleeves

Collet sleeves



A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

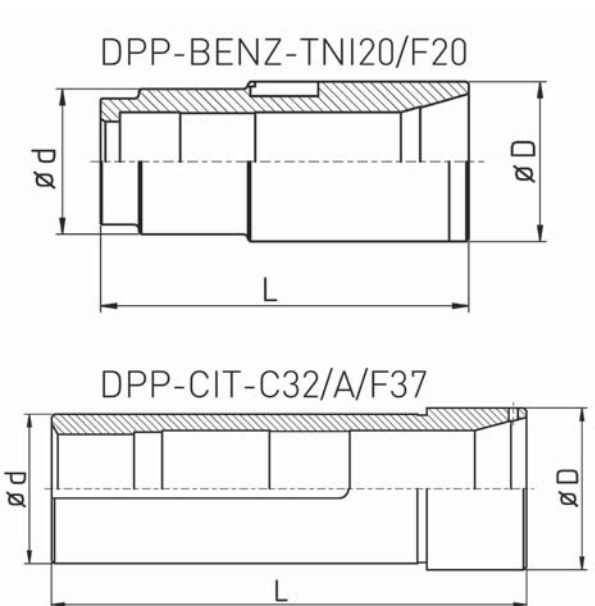
Item No	Spindle A/B	D	d	L	Collet	Nut
BECHLER AR10						
DPP-BECH-A10/F14		24.00	20.00	62.00	117E / F14	
BENZINGER TNI 20						
DPP-BENZ-TNI20/F20		33.00	30.00/26.00	75.90	173E / F48	
BOLEY BC42						
DPP-BOLE-BC42/F48		64.50	60.00	160.20	173E / F20	
CITIZEN A20						
DPP-CIT-A20/AB/F25	A+B	44.00	42.00/40.00	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



Collet Sleeves

Collet sleeves

continuation ...

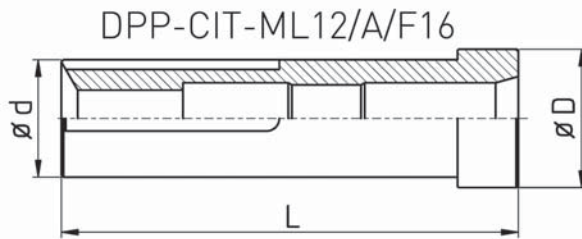
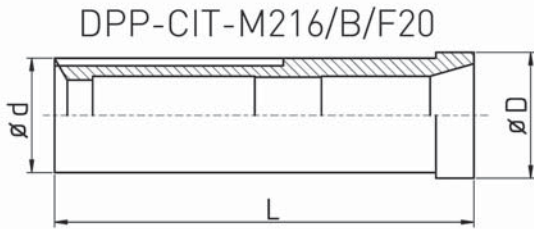


A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

Item No	Spindle A/B	D	d	L	Collet	Nut
CITIZEN K12						
DPP-CIT-K12/B/F13	B	30.00	30.00	110.00	116E / F13	X
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

Collet Sleeves

Collet sleeves 2



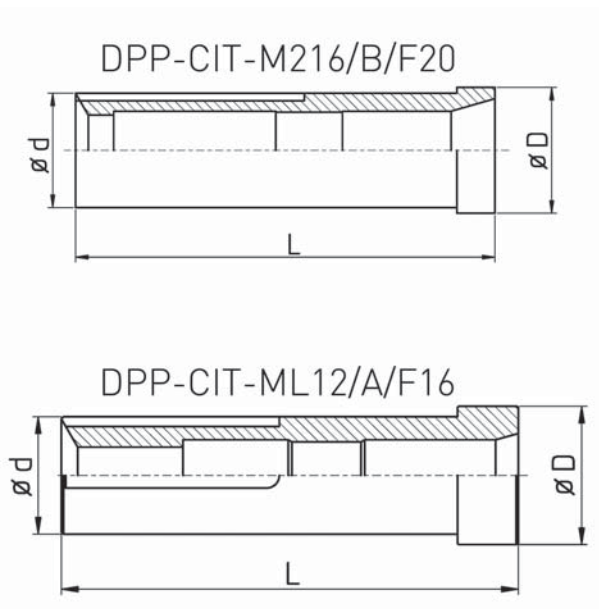
A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

Item No	Spindle A/B	D	d	L	Collet	Nut
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

Collet Sleeves

Collet sleeves 2

continuation ...



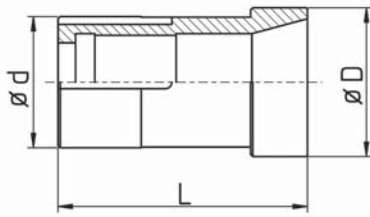
A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

Item No	Spindle A/B	D	d	L	Collet	Nut
CITIZEN M432						
DPP-CIT-M432/B/F20	B	53.00	50.00	150.50	138E / F20	X
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	

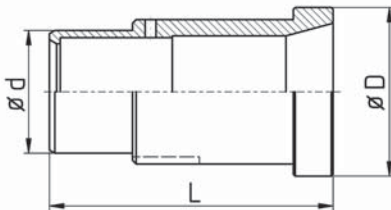
Collet Sleeves

Collet sleeves 3

DPP-FEIN-FA15//F22



DPP-GILD-GLD25//30



A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

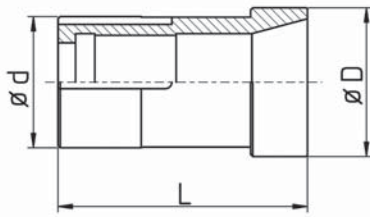
Item No	Spindle A/B	D	d	L	Collet	Nut
FEINLER FA10						
DPP-FEIN-FA10/F15		24.00	20.00	86.00	120E/F15	X
FEINLER FA15						
DPP-FEIN-FA15/F22		37.00/32.00	27.00	61.00	140E/F22	X
GAUTHIER GM12,GM127						
DPP-GAUT-GM12/F15		24.00	18.00	97.80	120E/F15	
GAUTHIER GM127						
DPP-GAUT-GM127/F15		24.00	20.00	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	144E/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

Collet Sleeves

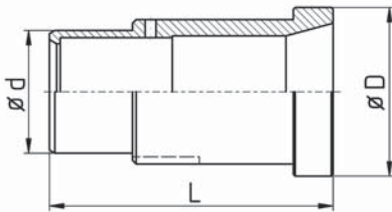
Collet sleeves 3

continuation ...

DPP-FEIN-FA15//F22



DPP-GILD-GLD25//30

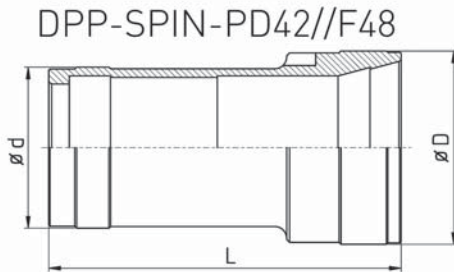
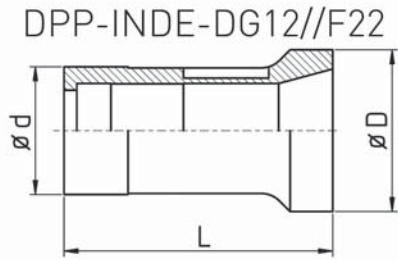


A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

Item No	D	d	L	Collet	Nut
INDEX 25					
DPP-IND-25//F27	52.00	42.00	82.00	147E/F27	X
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

Collet Sleeves

Collet sleeves 4



A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

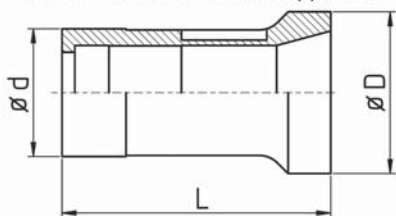
Item No	Spindle A/B	D	d	L	Collet	Nut
INDEX C19						
DPP-INDE-C19/F28		48.00	34.00	82.00	148E/F28	X
INDEX DG12						
DPP-INDE-DG12/F22		38.00	30.00	63.50	140E/F22	X
DPP-INDE-DG12/F25		38.00	30.00	63.50	143E/F25	X
INDEX GSC65						
DPP-INDE-DSC65/F66		94.00	80.00	163.00	185E/F66	
INDEX MS25						
DPP-INDE-MS25/A/9039E	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	

Collet Sleeves

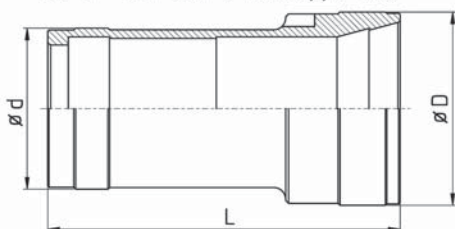
Collet sleeves 4

continuation ...

DPP-INDE-DG12//F22



DPP-SPIN-PD42//F48



A = main spindle

B = sub spindle

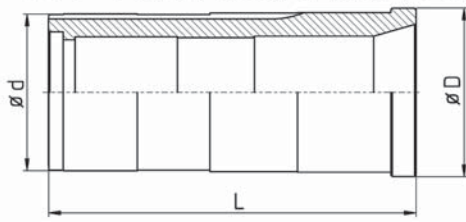
X = compatible nut available - see next pages

Item No	D	d	L	Collet	Nut
STEINHÄUSER STF42					
DPP-STEI-STF36/F42	62.00	50.00	110.00	171E/F42	
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	

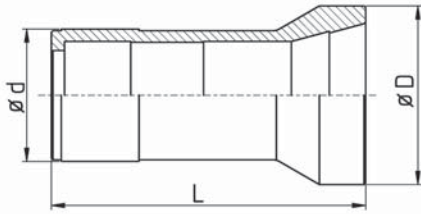
Collet Sleeves

Collet sleeves 5

DPP-TORN-SIGMA32/A/F37



DPP-TRAU-TD26//F32



A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

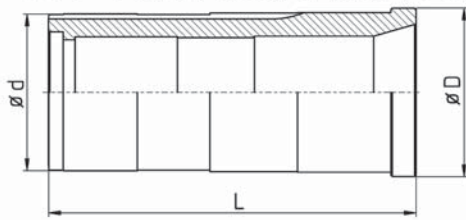
Item No	Spindle A/B	D	d	L	Collet	Nut
TORNOS DEC010						
DPP-TORN-DEC010/F13		24.00/22.00	18.00	84.90	116E/F13	
TORNOS DEC013						
DPP-TORN-DEC013/F20		30.00	30.00	91.00	136E/F20	X
TORNOS DEC020						
DPP-TORN-DEC020/F25		42.00/40.00	38.00	105.00	145E/F25	
DPP-TORN-DEC020/F30		44.00/40.00	38.00	110.00	1446E/F30	
TORNOS DEC026						
DPP-TORN-DEC026/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

Collet Sleeves

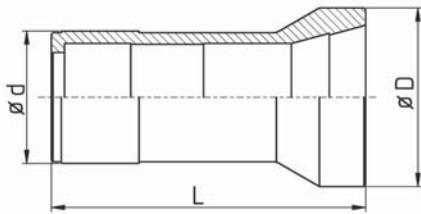
Collet sleeves 5

continuation ...

DPP-TORN-SIGMA32/A/F37



DPP-TRAU-TD26//F32



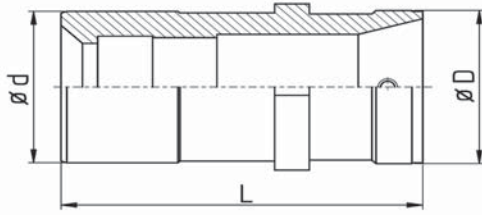
A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

Item No	D	d	L	Collet	Nut
TRAUB A20					
DPP-TRAU-A20/F22	42.00	34.00	67.00	140E/F22	X
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

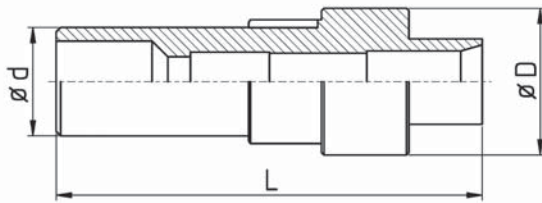
Collet Sleeves

Collet sleeves 6

DPP-TRAU-TNL26/B/157E



DPP-TSUG-HS207/B/F15v15



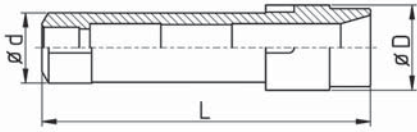
A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

Item No	Spindle A/B	D	d	L	Collet
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

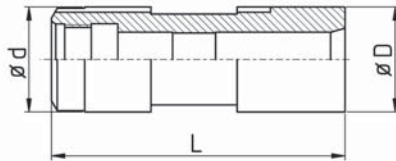
Collet Sleeves

Collet sleeves 7

DPP-STAR-SR10J/B/F13v10



DPP-STAR-SA12/B/F15



A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

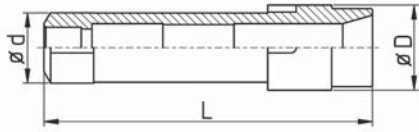
Item No	Spindle A/B	D	d	L	Collet	Nut
STAR SR10J						
DPP-STAR-SR10J/A/F8	A	27.00	21.00	83.00	101E/F8	
DPP-STAR-SR10J/A/F15	A	27.00	21.00	83.00	120E/F15	X
DPP-STAR-SR10J/B/F8	B	24.00	20.00	82.50	101E/F8	X
DPP-STAR-SR10J/B/F8v10	B	24.00	20.00	92.50	101E/F8	X
DPP-STAR-SR10J/B/F10v15	B	24.00	20.00	97.50	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

Collet Sleeves

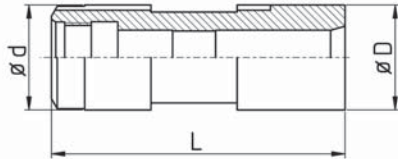
Collet sleeves 7

continuation ...

DPP-STAR-SR10J/B/F13v10



DPP-STAR-SA12/B/F15



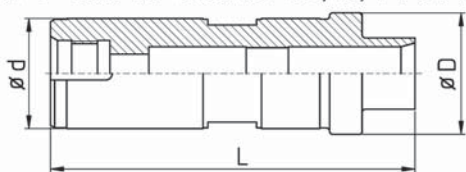
A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages

Item No	Spindle A/B	D	d	L	Collet	Nut
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

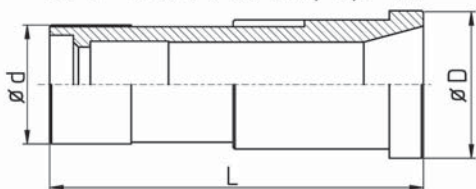
Collet Sleeves

Collet sleeves 8

DPP-STAR-ECAS-12/B/F15v15



DPP-STAR-SA12/B/F15

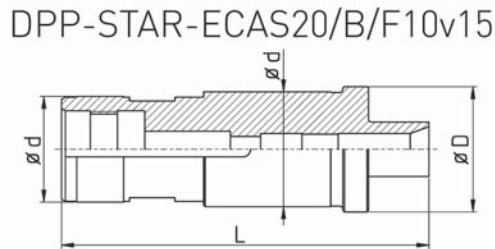
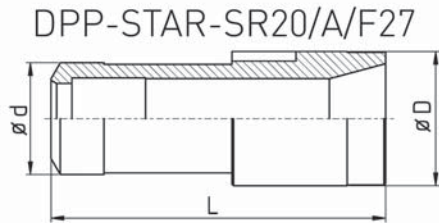


- A = main spindle
- B = sub spindle
- X = compatible nut available - see next pages
- # = extended to normal length

Item No	Spindle A/B	D	d	L	Collet	Nut
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

Collet Sleeves

Collet sleeves 9



- A = main spindle
- B = sub spindle
- X = compatible nut available - see next pages
- # = extended to normal length

Item No	Spindle A/B	D	d	L	Collet	Nut
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

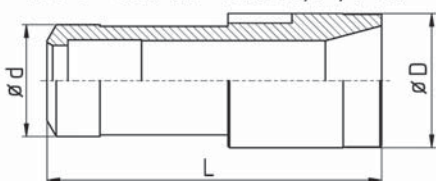


Collet Sleeves

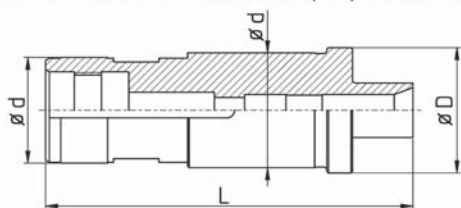
Collet sleeves 9

continuation ...

DPP-STAR-SR20/A/F27



DPP-STAR-ECAS20/B/F10v15



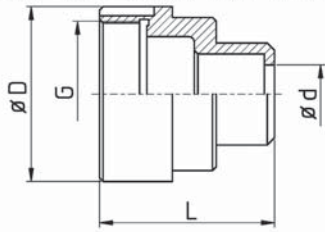
A = main spindle
 B = sub spindle
 X = compatible nut available - see next pages
 # = extended to normal length

Item No	Spindle A/B	D	d	L	Collet	Nut
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

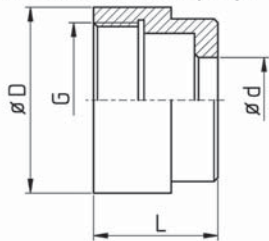
Collet Sleeves

Cap nuts for collet sleeves

ECR-CIT-K12/B/F15v15



ECR-CIT-M216/B/F20



A = main spindle
B = sub spindle

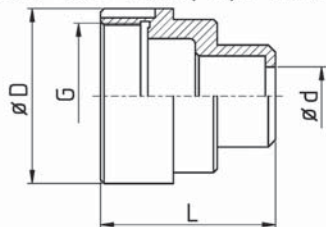
Item No	Spindle A/B	D	G	L	Collet
CITIZEN B12					
ECR-CIT-B12/A/F15	A	42.00	M32x1.00	32.00	120E/F15
ECR-CIT-B12/A/F16	A	42.00	M32x1.00	21.00	1212E/F16
ECR-CIT-B12/B/F10v10	B	42.00	M32x1.00	35.00	109E/F10
ECR-CIT-B12/B/F13	B	42.00	M32x1.00		116E/F13
ECR-CIT-B12/B/F15	B	42.00	M32x1.00	25.00	120E/F15
ECR-CIT-B12/B/F16	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

Collet Sleeves

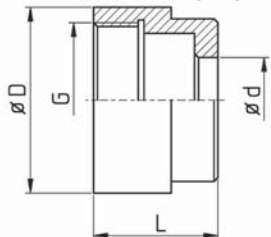
Cap nuts for collet sleeves

continuation ...

ECR-CIT-K12/B/F15v15



ECR-CIT-M216/B/F20



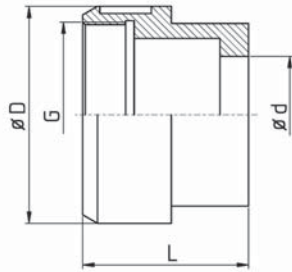
A = main spindle
B = sub spindle

Item No	Spindle A/B	D	G	L	Collet
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

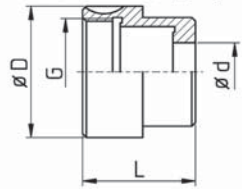
Collet Sleeves

Cap nuts for collet sleeves 2

ECR-CIT-M432/B/F37



ECR-CIT-R07/B/F16



A = main spindle
B = sub spindle

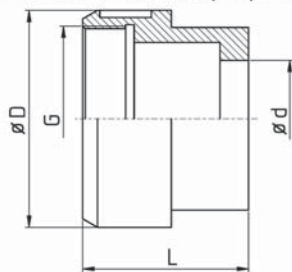
Item No	Spindle A/B	D	G	L	Collet
CITIZEN M32					
ECR-CIT-M32/A/F37	A	75.00	M65x1.50	74.00	1536E/F37
ECR-CIT-M32/B/F37	B	76.00	M65x1.50	53.00	1536E/F37
CITIZEN M432					
ECR-CIT-M432/A/F37	A	80.00	M70x1.50	74.00	1536E/F37
ECR-CIT-M432/A/F25	A	80.00	M70x1.50		145E/F25
ECR-CIT-M432/A/F20	A	80.00	M70x1.50		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*

Collet Sleeves

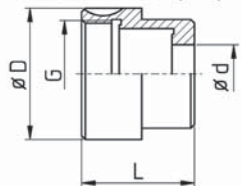
Cap nuts for collet sleeves 2

continuation ...

ECR-CIT-M432/B/F37



ECR-CIT-R07/B/F16



A = main spindle

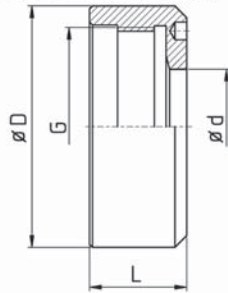
B = sub spindle

Item No	D	G	L	Collet
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*

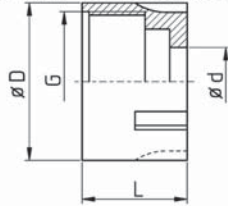
Collet Sleeves

Cap nuts for collet sleeves 3

ECR-SPIN-TC32/F38



ECR-TORN-DECO2000-13/136E



A = main spindle
B = sub spindle



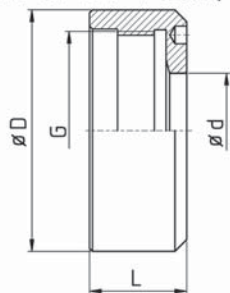
Item No	D	G	L	Collet
INDEX C19				
ECR-INDE-C19/F28	73.00	M63x2.00L	34.00	148E/F28
INDEX C29				
ECR-INDE-C29/F35/162E	84.50	M74x2.00L	35.00	162E/F35
ECR-INDE-C29/F28	84.50	M74x2.00L	35.00	148E/F28
ECR-INDE-C29/F35	84.50	M74x2.00L	35.00	163E/F35*
INDEX DG12				
ECR-INDE-DG12/143E	62.00	M52x2.00L	23.00	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

Collet Sleeves

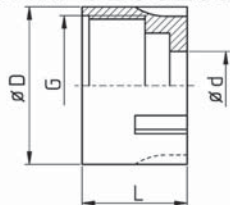
Cap nuts for collet sleeves 3

continuation ...

ECR-SPIN-TC32/F38



ECR-TORN-DECO2000-13/136E



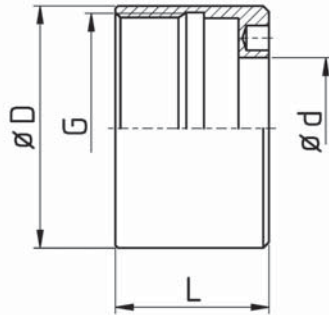
A = main spindle
B = sub spindle

Item No	Spindle A/B	D	G	L	Collet
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

Collet Sleeves

Cap nuts for collet sleeves 4

ECR-TSUG-HS207/B/F25



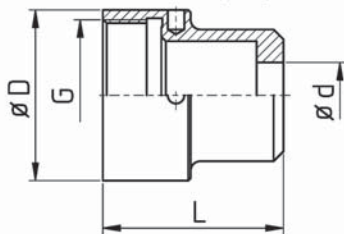
A = main spindle
B = sub spindle

Item No	D	G	L	Collet
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

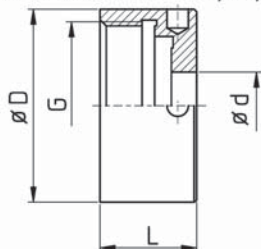
Collet Sleeves

Cap nuts for collet sleeves 5

ECR-STAR-SW7/B/F13v15



ECR-STAR-SA12/B/F15



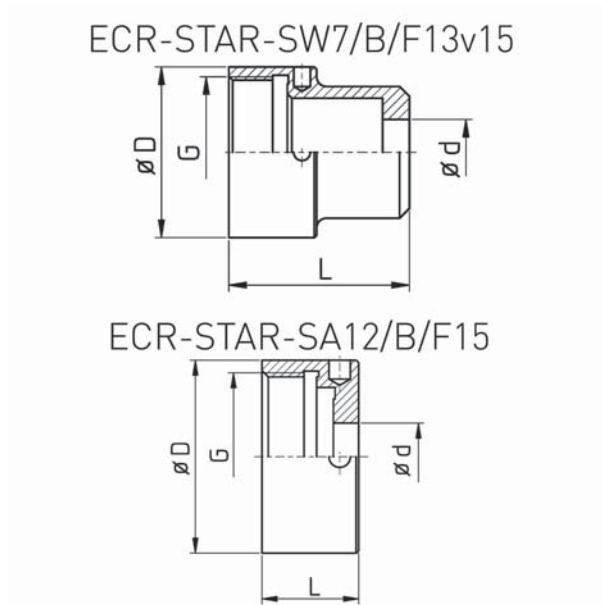
A = main spindle
B = sub spindle

Item No	Spindle A/B	D	G	L	Collet
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

Collet Sleeves

Cap nuts for collet sleeves 5

continuation ...



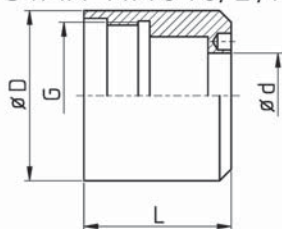
A = main spindle
B = sub spindle

Item No	Spindle A/B	D	G	L	Collet
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

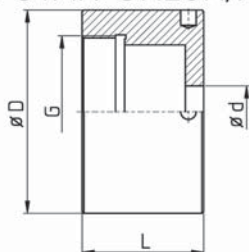
Collet Sleeves

Cap nuts for collet sleeves 6

ECR-STAR-RNC16/B/F20v15



ECR-STAR-SR20R/A/F16



A = main spindle
B = sub spindle

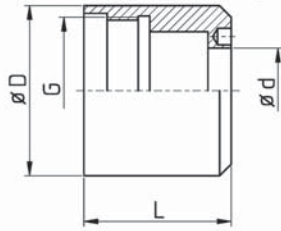
Item No	Spindle A/B	D	G	L	Collet
STAR RNC16anc.					
ECR-STAR-RNC16anc../A/144E	A	44.00	M38x1.50	23.00	144E/F25
ECR-STAR-RNC16anc../B/F15	B	39.50	M33x1.50	25.00	120E/F15
ECR-STAR-RNC16anc../B/F18	B	39.50	M33x1.50	25.00	128E/F18
STAR RNC16					
ECR-STAR-RNC16/B/F20	B	44.00	M38x1.50	23.00	138E/F20
ECR-STAR-RNC16/B/F20v15	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

Collet Sleeves

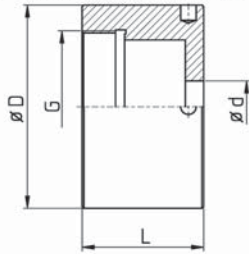
Cap nuts for collet sleeves 6

continuation ...

ECR-STAR-RNC16/B/F20v15



ECR-STAR-SR20R/A/F16



A = main spindle
B = sub spindle

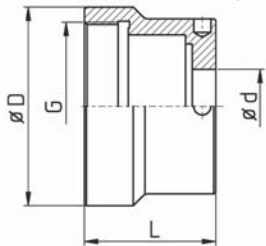


Item No	Spindle A/B	D	G	L	Collet
STAR SR20R I / II / III					
ECR-STAR-SR20R/B/F25	B	59.00	M50x1.50	41.00	145E/F25
ECR-STAR-SR20R/B/F27	B	59.00	M50x1.50	39.00	147E/F27
ECR-STAR-SR20R/B/F27L	B	59.00	M50x1.50	41.00	147E/F27

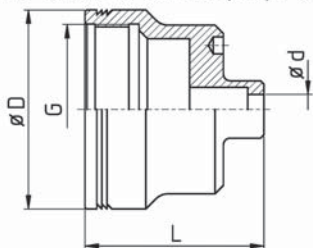
Collet Sleeves

Cap nuts for collet sleeves 7

ECR-STAR-ECAS20/B/F20



ECR-STAR-SR20/B/F8v12



A = main spindle
B = sub spindle

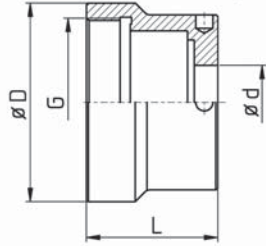
Item No	Spindle A/B	D	G	L	Collet
STAR ECAS20					
ECR-STAR-ECAS20/B/F8v15	B	59.00	M50x1.50	54.00	101E/F8
ECR-STAR-ECAS20/B/F10v15	B	59.00	M50x1.50	54.00	109E/F10
ECR-STAR-ECAS20/B/F15v15	B	59.00	M50x1.50	54.00	120E/F15
ECR-STAR-ECAS20/B/F16v15	B	59.00	M50x1.50		1212E/F16
ECR-STAR-ECAS20/B/F20	B	59.00	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

Collet Sleeves

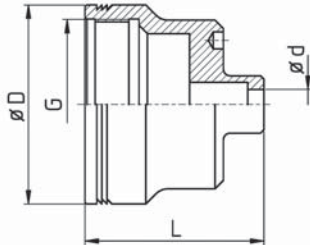
Cap nuts for collet sleeves 7

continuation ...

ECR-STAR-ECAS20/B/F20



ECR-STAR-SR20/B/F8v12



A = main spindle
B = sub spindle

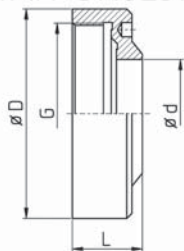


Item No	Spindle A/B	D	G	L	Collet
STAR KJR25					
ECR-STAR-KJR25/A/F35	A	72.00	M60x1.00	52.00	162E/F35
ECR-STAR-KJR25/B/F30/157E	B	64.00	M56x1.50	34.00	157E/F30

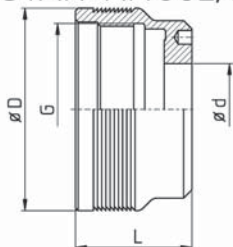
Collet Sleeves

Cap nuts for collet sleeves 8

ECR-STAR-SR32JN/A/F37



ECR-STAR-KNC32/B/F30

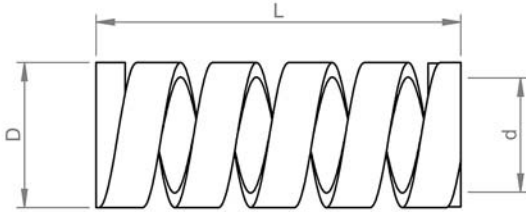


A = main spindle
B = sub spindle

Item No	Spindle A/B	D	G	L	Collet
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

Collet Sleeves

Springs for collets



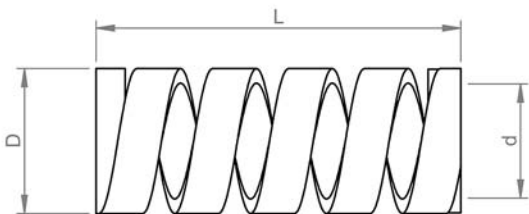
D = nominal size
d, L = approxi. dim.

Item No	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

Collet Sleeves

Springs for collets

continuation ...



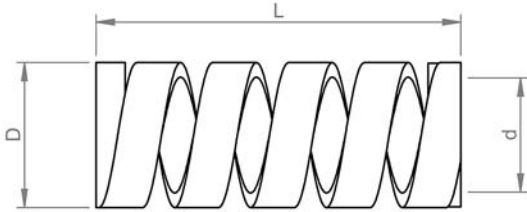
D = nominal size
d, L = approxi. dim.

Item No	D	d	L
RESS-27F-23-35	27.00	23.00	35.00
RESS-27F-23-40	27.00	23.00	40.00
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

Collet Sleeves

Springs for collets

continuation ...



D = nominal size
d, L = approxi. dim.

Item No	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