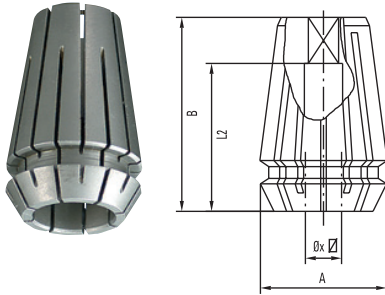


Steel collets ER-GB with inner square *metric sizes*

Collets to DIN 6499B with inner square for positive drive of tap square.

ER11GB		
	A = 11.5 mm B = 17.0 mm	
Order code	Shank mm	Square mm
GB111028	2.8	2.1
GB111035	3.5	2.7
GB111045	4.5	3.4
GB111050	5.0	4.0
GB111060	6.0	4.9

ER16GB		
	A = 17.0 mm B = 27.5 mm	
Order code	Shank mm	Square mm
GB116040	4.0	3.15/3.2
GB116045	4.5	3.4
GB116050	5.0	4.0
GB116053	5.5	4.3
GB116055	5.5	4.5
GB116065	6.0	4.5
GB116060	6.0	4.9
GB116062	6.2	5.0
GB116063	6.3	5.0
GB116070	7.0	5.5
GB116071	7.1	5.6
GB116080	8.0	6.2/6.3
GB116085	8.5	6.5
GB116090	9.0	7.0/7.1

ER20GB		
	A = 21.0 mm B = 31.5 mm	
Order code	Shank mm	Square mm
GB120040	4.0	3.15/3.2
GB120045	4.5	3.4
GB120050	5.0	4.0
GB120053	5.5	4.3
GB120055	5.5	4.5
GB120065	6.0	4.5
GB120060	6.0	4.9
GB120062	6.2	5.0
GB120063	6.3	5.0
GB120070	7.0	5.5
GB120071	7.1	5.6
GB120080	8.0	6.2/6.3
GB120085	8.5	6.5
GB120090	9.0	7.0/7.1
GB120100	10.0	8.0
GB120105	10.5	8.0
GB120110	11.0	9.0
GB120112	11.2	9.0
GB120120	12.0	9.0

ER25GB		
	A = 26.0 mm B = 34.0 mm	
Order code	Shank mm	Square mm
GB125040	4.0	3.15/3.2
GB125045	4.5	3.4
GB125050	5.0	4.0
GB125053	5.5	4.3
GB125055	5.5	4.5
GB125065	6.0	4.5
GB125060	6.0	4.9
GB125062	6.2	5.0
GB125063	6.3	5.0
GB125070	7.0	5.5
GB125071	7.1	5.6
GB125080	8.0	6.2/6.3
GB125085	8.5	6.5
GB125090	9.0	7.0/7.1
GB125100	10.0	8.0
GB125105	10.5	8.0
GB125110	11.0	9.0
GB125112	11.2	9.0
GB125120	12.0	9.0
GB125125	12.5	10.0
GB125140	14.0	11.0/11.2
GB125150	15.0	12.0
GB125160	16.0	12.0

ER32GB		
	A = 33.0 mm B = 40.0 mm	
Order code	Shank mm	Square mm
GB132040	4.0	3.15/3.2
GB132045	4.5	3.4
GB132050	5.0	4.0
GB132053	5.5	4.3
GB132055	5.5	4.5
GB132065	6.0	4.5
GB132060	6.0	4.9
GB132062	6.2	5.0
GB132063	6.3	5.0
GB132070	7.0	5.5
GB132071	7.1	5.6
GB132080	8.0	6.2/6.3
GB132085	8.5	6.5
GB132090	9.0	7.0/7.1
GB132100	10.0	8.0
GB132105	10.5	8.0
GB132110	11.0	9.0
GB132112	11.2	9.0
GB132120	12.0	9.0
GB132125	12.5	10.0
GB132140	14.0	11.0/11.2
GB132150	15.0	12.0
GB132160	16.0	12.0
GB132170	17.0	13.0
GB132180	18.0	14.0/14.5
GB132200	20.0	16.0

ER40GB		
	A = 41.0 mm B = 46.0 mm	
Order code	Shank mm	Square mm
GB140065	6.0	4.5
GB140060	6.0	4.9
GB140062	6.2	5.0
GB140063	6.3	5.0
GB140070	7.0	5.5
GB140071	7.1	5.6
GB140080	8.0	6.2/6.3
GB140085	8.5	6.5
GB140090	9.0	7.0/7.1
GB140100	10.0	8.0
GB140105	10.5	8.0
GB140110	11.0	9.0
GB140112	11.2	9.0
GB140120	12.0	9.0
GB140125	12.5	10.0
GB140140	14.0	11.0/11.2
GB140150	15.0	12.0
GB140160	16.0	12.0
GB140170	17.0	13.0
GB140180	18.0	14.0/14.5
GB141200	20.0	16.0
GB141220	22.0	18.0

ER50GB		
	A = 60.0 mm B = 52.0 mm	
Order code	Shank mm	Square mm
GB150220	22.0	18.0
GB150250	25.0	20.0
GB150280	28.0	22.0
GB150320	32.0	24.0

Steel collets ER-GB with inner square inch sizes

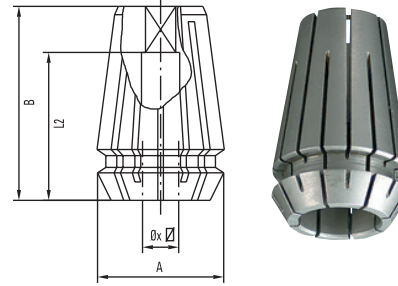
ER11GB						
Order code	Tap size	Shank inch	Square inch	A	B	L2
21000	#0 - #6	.141	.110	.444	.708	.472
21001	#8	.168	.131	.444	.708	.551
21002	#10	.194	.152	.444	.708	.551

ER16GB						
Order code	Tap size	Shank inch	Square inch	A	B	L2
21004	#0 - #6	.141	.110	.629	1.083	.709
21005	#8	.168	.131	.629	1.083	.709
21006	#10	.194	.152	.629	1.083	.709
21008	#12	.220	.165	.629	1.083	.709
21010	1/4"	.255	.191	.629	1.083	.709
21012	5/16"	.318	.238	.629	1.083	.866
21014	7/16"	.323	.242	.629	1.083	.866

ER20GB						
Order code	Tap size	Shank inch	Square inch	A	B	L2
21019	#8	.168	.131	.787	1.240	.709
21020	#10	.194	.152	.787	1.240	.709
21021	#12	.220	.165	.787	1.240	.709
21022	1/4"	.255	.191	.787	1.240	.709
21023	5/16"	.318	.238	.787	1.240	.866
21024	7/16"	.323	.242	.787	1.240	.866
21025	1/2"	.367	.275	.787	1.240	.866
21026	3/8"	.381	.286	.787	1.240	.866
21027	1/16" Pipe	.3125	.234	.787	1.240	.866

ER25GB						
Order code	Tap size	Shank inch	Square inch	A	B	L2
21031	1/4"	.255	.191	.984	1.338	.709
21029	5/16"	.318	.238	.984	1.338	.866
21030	7/16"	.323	.242	.984	1.338	.866
21032	1/2"	.367	.275	.984	1.338	.866
21034	3/8"	.381	.286	.984	1.338	.866
21036	9/16"	.429	.322	.984	1.338	.984
21038	5/8"	.480	.360	.984	1.338	.984
21040	11/16"	.542	.406	.984	1.338	.984
21028	1/8" Pipe	.312	.234	.984	1.338	.866
21037	1/8" Pipe	.437	.328	.984	1.338	.984
21043	1/4" Pipe	.562	.421	.984	1.338	.984
21044	3/4"	.590	.442	.984	1.338	.984

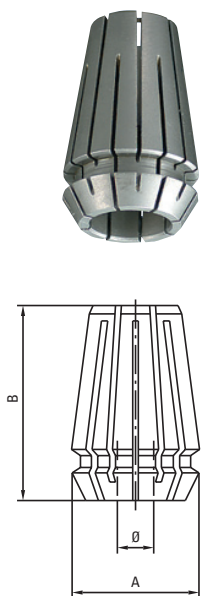
ER32GB						
Order code	Tap size	Shank inch	Square inch	A	B	L2
21047	1/4"	.255	.191	1.260	1.575	.709
21048	5/16"	.318	.238	1.260	1.575	.866
21049	7/16"	.323	.242	1.260	1.575	.866
21052	3/8"	.381	.286	1.260	1.575	.866
21050	1/2"	.367	.275	1.260	1.575	.866
21054	9/16"	.429	.322	1.260	1.575	.984
21058	5/8"	.480	.360	1.260	1.575	.984
21060	11/16"	.542	.406	1.260	1.575	.984
21064	3/4"	.590	.442	1.260	1.575	.984
21066	13/16"	.652	.489	1.260	1.575	.984
21068	7/8"	.697	.523	1.260	1.575	.984
21056	1/8" Pipe	.437	.328	1.260	1.575	.984
21062	1/4" Pipe	.562	.421	1.260	1.575	.984
21067	1/2" Pipe	.687	.515	1.260	1.575	.984
21070	1"	.800	.600	1.260	1.575	1.102



ER40GB						
Order code	Tap size	Shank inch	Square inch	A	B	L2
21104	1/2"	.367	.275	1.575	1.811	.866
21105	3/8"	.381	.286	1.575	1.811	.866
21106	9/16"	.429	.322	1.575	1.811	.984
21107	5/8"	.480	.360	1.575	1.811	.984
21108	11/16"	.542	.406	1.575	1.811	.984
21109	3/4"	.590	.442	1.575	1.811	.984
21110	13/16"	.652	.489	1.575	1.811	.984
21111	7/8"	.697	.523	1.575	1.811	.984
21112	15/16"	.760	.570	1.575	1.811	.984
21113	1"	.800	.600	1.575	1.811	1.102
21117	1 1/8"	.896	.672	1.575	1.811	1.102
21114	1/4" Pipe	.562	.421	1.575	1.811	.984
21115	3/8" Pipe	.700	.531	1.575	1.811	.984
21116	1/2" Pipe	.687	.515	1.575	1.811	.984

ER50GB			
Order code	Tap size	Shank inch	Square inch
21137	1"	.800	.600
21138	1 1/8"	.896	.672
21139	1 3/16"	1.021	.766
21140	1 5/16"	1.108	.831
21141	1 7/16"	1.233	.925
21170	1/2" Pipe	.687	.515
21171	3/8" Pipe	.700	.531
21172	3/4" Pipe	.906	.679
21136	1" Pipe	1.125	.843

Steel collets ER acc. to DIN 6499B without inner square



ER8	
A = 8.5 mm B = 12.0 mm	
Order code	Capacity Shank Ø mm
20910	1.5–1.0
20911	2.0–1.5
20912	2.5–2.0
20913	3.0–2.5
20915	3.5–3.0
20916	4.0–3.5
20918	4.5–4.0

ER11	
A = 11.5 mm B = 17.0 mm	
Order code	Capacity Shank Ø mm
20929	3.0–2.5
20930	3.5–3.0
20931	4.0–3.5
20932	4.5–4.0
20934	5.0–4.5
20933	5.5–5.0
20935	6.0–5.5
20936	6.5–6.0

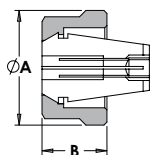
ER16	
A = 17.0 mm B = 27.5 mm	
Order code	Capacity Shank Ø mm
20940	4.0–3.0
20943	5.0–4.0
20945	6.0–5.0
20946	7.0–6.0
20949	8.0–7.0
20950	9.0–8.0
20953	10.0–9.0

ER20	
A = 21.0 mm B = 31.5 mm	
Order code	Capacity Shank Ø mm
20983	4.0–3.0
20984	5.0–4.0
20985	6.0–5.0
20977	7.0–6.0
20986	8.0–7.0
20978	9.0–8.0
20979	10.0–9.0
20980	11.0–10.0
20981	12.0–11.0
20982	13.0–12.0

ER25	
A = 26.0 mm B = 34.0 mm	
Order code	Capacity Shank Ø mm
20963	5.0–4.0
20965	7.0–6.0
20968	9.0–8.0
20969	10.0–9.0
20970	11.0–10.0
20971	12.0–11.0
20973	13.0–12.0
20974	14.0–13.0
20975	15.0–14.0
20976	16.0–15.0

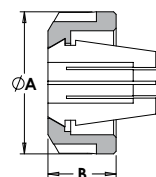
Please note that these collets *do not* include a square drive.
For tapping we recommend the use of ERGB collets, with inner square, whenever possible.
All dimensions are shown in mm. 25.4mm = 1"

Clamping nuts acc. to DIN 6499 standard without internal coolant sealing



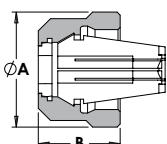
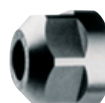
Note: For recommended tightening torque, please see page 56.

Order code	Type	A mm	B mm
69318	ER11	19	11.3
69518	ER16	28	17.5
70018	ER20	34	19.0

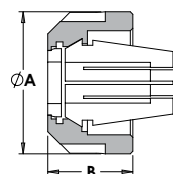


Order code	Type	A mm	B mm
69918	ER25	42	20.0
71118	ER32	50	22.5
71318	ER40	63	25.5
66018	ER50	78	35.3

Clamping nuts to DIN 6499 for internal coolant system, for use with sealing disks



Order code	Type	A mm	B mm
70116	ER16	28	22.5
70120	ER20	34	24.5



Order code	Type	A mm	B mm
70125	ER25	42	25.0
70132	ER32	50	27.5
70140	ER40	63	30.5
66050	ER50	78	42.5

Steel collet seals for use with coolant through steel collet models and sealing disk nuts.

Description #16 Series Seals	
Size	Catalog No.
Complete Set	70117
3-3.5mm (.118-.138)	70117-35
3.5-4mm (.138-.157)	70117-40
4-4.5mm (.157-.177)	70117-45
4.5-5mm (.177-.197)	70117-50
5-5.5mm (.197-.217)	70117-55
5.5-6mm (.217-.236)	70117-60
6-6.5mm (.236-.256)	70117-65
6.5-7mm (.256-.276)	70117-70
7-7.5mm (.276-.295)	70117-75
7.5-8mm (.295-.315)	70117-80
8-8.5mm (.315-.335)	70117-85
8.5-9mm (.335-.354)	70117-90
9-9.5mm (.354-.374)	70117-95
9.5-10mm (.374-.394)	70117-100

Description #20 Series Seals	
Size	Catalog No.
Complete Set	70121
3-3.5mm (.118-.138)	70121-35
3.5-4mm (.138-.157)	70121-40
4-4.5mm (.157-.177)	70121-45
4.5-5mm (.177-.197)	70121-50
5-5.5mm (.197-.217)	70121-55
5.5-6mm (.217-.236)	70121-60
6-6.5mm (.236-.256)	70121-65
6.5-7mm (.256-.276)	70121-70
7-7.5mm (.276-.295)	70121-75
7.5-8mm (.295-.315)	70121-80
8-8.5mm (.315-.335)	70121-85
8.5-9mm (.335-.354)	70121-90
9-9.5mm (.354-.374)	70121-95
9.5-10mm (.374-.394)	70121-100
10-10.5mm (.394-.413)	70121-105
10.5-11mm (.416-.433)	70121-110
11-11.5mm (.433-.453)	70121-115
11.5-12mm (.453-.472)	70121-120
12-12.5mm (.472-.492)	70121-125

Description #25 Series Seals	
Size	Catalog No.
Complete Set	70126
3-3.5mm (.118-.138)	70126-35
3.5-4mm (.138-.157)	70126-40
4-4.5mm (.157-.177)	70126-45
4.5-5mm (.177-.197)	70126-50
5-5.5mm (.197-.217)	70126-55
5.5-6mm (.217-.236)	70126-60
6-6.5mm (.236-.256)	70126-65
6.5-7mm (.256-.276)	70126-70
7-7.5mm (.276-.295)	70126-75
7.5-8mm (.295-.315)	70126-80
8-8.5mm (.315-.335)	70126-85
8.5-9mm (.335-.354)	70126-90
9-9.5mm (.354-.374)	70126-95
9.5-10mm (.374-.394)	70126-100
10-10.5mm (.394-.413)	70126-105
10.5-11mm (.416-.433)	70126-110
11-11.5mm (.433-.453)	70126-115
11.5-12mm (.453-.472)	70126-120
12-12.5mm (.472-.492)	70126-125
12.5-13mm (.492-.512)	70126-130
13-13.5mm (.512-.531)	70126-135
13.5-14mm (.531-.551)	70126-140
14-14.5mm (.551-.571)	70126-145
14.5-15mm (.571-.591)	70126-150
15-15.5mm (.591-.610)	70126-155
15.5-16mm (.610-.630)	70126-160

Description #32 Series Seals	
Size	Catalog No.
Complete Set	70133
3-3.5mm (.118-.138)	70133-35
3.5-4mm (.138-.157)	70133-40
4-4.5mm (.157-.177)	70133-45
4.5-5mm (.177-.197)	70133-50
5-5.5mm (.197-.217)	70133-55
5.5-6mm (.217-.236)	70133-60
6-6.5mm (.236-.256)	70133-65
6.5-7mm (.256-.276)	70133-70
7-7.5mm (.276-.295)	70133-75
7.5-8mm (.295-.315)	70133-80
8-8.5mm (.315-.335)	70133-85
8.5-9mm (.335-.354)	70133-90
9-9.5mm (.354-.374)	70133-95
9.5-10mm (.374-.394)	70133-100
10-10.5mm (.394-.413)	70133-105
10.5-11mm (.416-.433)	70133-110
11-11.5mm (.433-.453)	70133-115
11.5-12mm (.453-.472)	70133-120
12-12.5mm (.472-.492)	70133-125
12.5-13mm (.492-.512)	70133-130
13-13.5mm (.512-.531)	70133-135
13.5-14mm (.531-.551)	70133-140
14-14.5mm (.551-.571)	70133-145
14.5-15mm (.571-.591)	70133-150
15-15.5mm (.591-.610)	70133-155
15.5-16mm (.610-.630)	70133-160
16-16.5mm (.630-.650)	70133-165
16.5-17mm (.650-.670)	70133-170
17-17.5mm (.670-.690)	70133-175
17.5-18mm (.690-.710)	70133-180
18-18.5mm (.710-.730)	70133-185
18.5-19mm (.730-.748)	70133-190
19-19.5mm (.749-.767)	70133-195
19.5-20mm (.767-.787)	70133-200



Note: #40 and #50 seals also available on request

Also available, coolant flush disks for directing coolant down the tap shank.



■ on request