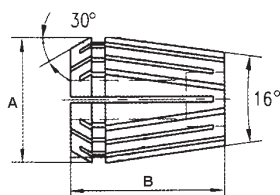


ER Collets

- Unique 8° taper design affords highest gripping power.
- True double angle, for extreme concentricity.
- 16 Jaws giving powerful gripping and parallel clamping.
- A unique self-releasing system is built into the collet and clamping nut to eliminate cutting tools sticking in collets.

Type	A	B
ER11	11.5mm	18mm
ER16	17mm	27mm
ER20	21mm	31mm
ER25	26mm	35mm
ER32	33mm	40mm
ER40	41mm	46mm



Size	ER11 Order No.	ER16 Order No.	ER20 Order No.	ER25 Order No.	ER 32 Order No.	ER40 Order No.
1/32"	204-1102	204-1602				
3/64"	204-1103	204-1603	204-2003			
1/16"	204-1104	204-1604	204-2004	204-2504		
5/64"	204-1105	204-1605	204-2005	204-2505		
3/32"	204-1106	204-1606	204-2006	204-2506	204-3206	
7/64"	204-1107	204-1607	204-2007	204-2507	204-3207	
1/8"	204-1108	204-1608	204-2008	204-2508	204-3208	204-4008
9/64"	204-1109	204-1609	204-2009	204-2509	204-3209	204-4009
5/32"	204-1110	204-1610	204-2010	204-2510	204-3210	204-4010
11/64"	204-1111	204-1611	204-2011	204-2511	204-3211	204-4011
3/16"	204-1112	204-1612	204-2012	204-2512	204-3212	204-4012
13/64"	204-1113	204-1613	204-2013	204-2513	204-3213	204-4013
7/32"	204-1114	204-1614	204-2014	204-2514	204-3214	204-4014
15/64"	204-1115	204-1615	204-2015	204-2515	204-3215	204-4015
1/4"	204-1116	204-1616	204-2016	204-2516	204-3216	204-4016
17/64"	204-1117	204-1617	204-2017	204-2517	204-3217	204-4017
9/32"	204-1118	204-1618	204-2018	204-2518	204-3218	204-4018
19/64"		204-1619	204-2019	204-2519	204-3219	204-4019
5/16"		204-1620	204-2020	204-2520	204-3220	204-4020
21/64"		204-1621	204-2021	204-2521	204-3221	204-4021
11/32"		204-1622	204-2022	204-2522	204-3222	204-4022
23/64"		204-1623	204-2023	204-2523	204-3223	204-4023
3/8"		204-1624	204-2024	204-2524	204-3224	204-4024
25/64"			204-2025	204-2525	204-3225	204-4025
13/32"			204-2026	204-2526	204-3226	204-4026
27/64"			204-2027	204-2527	204-3227	204-4027
7/16"			204-2028	204-2528	204-3228	204-4028
29/64"			204-2029	204-2529	204-3229	204-4029
15/32"			204-2030	204-2530	204-3230	204-4030
31/64"			204-2031	204-2531	204-3231	204-4031
1/2"			204-2032	204-2532	204-3232	204-4032
33/64"				204-2533	204-3233	204-4033
17/32"				204-2534	204-3234	204-4034
35/64"				204-2535	204-3235	204-4035
9/16"				204-2536	204-3236	204-4036
37/64"				204-2537	204-3237	204-4037
19/32"				204-2538	204-3238	204-4038
39/64"				204-2539	204-3239	204-4039
5/8"				204-2540	204-3240	204-4040
41/64"					204-3241	204-4041
21/32"					204-3242	204-4042
43/64"					204-3243	204-4043
11/16"					204-3244	204-4044
45/64"					204-3245	204-4045
23/32"					204-3246	204-4046
47/64"					204-3247	204-4047
3/4"					204-3248	204-4048
49/64"					204-3249	204-4049
25/32"					204-3250	204-4050
51/64"					204-3251	204-4051
13/16"					204-3252	204-4052
53/64"						204-4053
27/32"						204-4054
55/64"						204-4055
7/8"						204-4056
57/64"						204-4057
29/32"						204-4058
59/64"						204-4059
15/16"						204-4060
61/64"						204-4061
31/32"						204-4062
63/64"						204-4063
1"						204-4064
1-1/64"						204-4065



Sets

Type	Descriptions	Order No.
ER16	10pcs set includes 1/32", 1/16", 3/32", 1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8"	204-1630
ER20	12pcs set includes 1/16", 3/32", 1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2"	204-2040
ER25	15pcs set includes 1/16", 3/32", 1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 17/32", 9/16", 5/8"	204-2550
ER32	18pcs set includes 3/32", 1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 17/32", 9/16", 5/8", 21/32", 11/16", 23/32", 3/4"	204-3260
ER40	23pcs/set with wooden stand, includes 1/8", 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 13/32", 7/16", 1/2", 17/32", 9/16", 5/8", 21/32", 11/16", 3/4", 25/32", 13/16", 27/32", 7/8", 15/16", 31/32", 1"	204-4000

Collet Punch Former

- Clamping diameter: $\phi 2-\phi 20$ mm
- Supply ER32 collete size: 4, 6, 8, 10, 12, 16, 20, 7Pcs in total
- For workpiece diamete smaller than 4mm, use shank 20mm/ER16 collet chuck
- It clamps workpiece quickly and steadily when processing without checking the center



OrderNo.287-6808

ER Collet Chucks

Morse Taper Shank



Shank Type	Collet Type	Drawbar End Thread	Capacity	Order No.
MT2	ER-20	3/8"-16	.04-.511	230-7051
MT2	ER-25	3/8"-16	.04-.629	230-7053
MT3	ER-32	1/2"-13	.06-.787	230-7055
MT3	ER-40	1/2"-13	.12-.102	230-7057
MT4	ER-40	5/8"-11	.12-1.02	230-7062
MT4	ER-50	5/8"-11	.393-1.33	230-7063
MT5	ER-40	3/4"-10	.12-.102	230-7061
MT5	ER-50	3/4"-10	.393-1.33	230-7065
MT6	ER-50	1"-8	.393-1.33	230-7067



30, 40 and 50 Taper Shank

Shank Type	Collet Type	Drawbar End Thread	Capacity	Order No.
30	ER-16	1/2"-13	.02-.393	230-7071
30	ER-32	1/2"-13	.08-.787	230-7073
30	ER-40	1/2"-13	.12-.1.02	230-7075
40	ER-16	5/8"-11	.02-.393	230-7077
40	ER-20	5/8"-11	.04-.511	230-7079
40	ER-32	5/8"-11	.08-.787	230-7081
40	ER-40	5/8"-11	.12-1.02	230-7083
40	ER-50	5/8"-11	.393-1.33	230-7085
50	ER-16	1"-8	.02-.393	230-7087
50	ER-20	1"-8	.04-.511	230-7089
50	ER-40	1"-8	.12-1.02	230-7091
50	ER-50	1"-8	.393-1.33	230-7093

R8 Shank



Shank Type	Collet Type	Gage Length	Capacity	Order No.
R8	ER-16	1-1/2"	.02-.393	230-7041
R8	ER-16	3	.02-.393	230-7043
R8	ER-32	1-5/8	.06-.787	230-7045
R8	ER-40	2-27/32	.12-1.02	230-7047



Straight Shank

Shank Type	Collet Type	Drawbar End Thread	Capacity	Order No.
	ER-11	3/8"-16	.02-.275	230-7001
	ER-11	3/8"-16	.02-.275	230-7003
	ER-11	3/8"-16	.02-.275	230-7005
	ER-11	3/8"-16	.02-.275	230-7007
	ER-16	3/8"-16	.02-.393	230-7009
	ER-16	3/8"-16	.02-.393	230-7011
	ER-16	3/8"-16	.02-.393	230-7013
	ER-20	3/8"-16	.04-.511	230-7015
	ER-20	3/8"-16	.04-.511	230-7017
	ER-20	3/8"-16	.04-.511	230-7019
	ER-25	3/8"-16	.04-.629	230-7021
	ER-25	3/8"-16	.04-.629	230-7023
	ER-32	3/8"-16	.08-.787	230-7025
	ER-32	1/2"-13	.08-.787	230-7027
	ER-40	1/2"-13	.12-1.02	230-7033
	ER-32	5/8"-11	.08-.787	230-7029
	ER-32	5/8"-11	.08-.787	230-7031
	ER-40	5/8"-11	.12-1.02	230-7035

ER Collet Chuck Sets



ER11

7Pc. Collets in Set: 1/32, 1/16, 3/32, 1/8, 3/16, 7/32, 1/4

Shank Size	Order No.
R8	230-0718
30	230-0733
40	230-0734
50	230-0735
MT2	230-0772
MT3	230-0773
MT4	230-0774
3/4x2-1/2	230-0741
3/4x4"	230-0743
3/4x6"	230-0744

ER16

10Pc. Collets in Set: 1/32, 1/16, 3/32, 1/8, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8

Shank Size	Order No.
R8	230-0608
30	230-0630
40	230-0640
50	230-0650
MT2	230-0662
MT3	230-0663
MT4	230-0664
3/4x2-1/2	230-0672
3/4x4"	230-0674
3/4x6"	230-0676

ER 25

6Pc. Collets in Set: 3/16, 1/4, 5/16, 3/8, 1/2, 5/8

Shank Size	Order No.
R8	230-0508
30	230-0530
40	230-0540
50	230-0550
MT2	230-0562
MT3	230-0563
MT4	230-0564
3/4x2-1/2	230-0574
1x2-3/8	230-0576

ER 25

10Pc. Collets in Set: 3/32, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8

Shank Size	Order No.
R8	230-0408
30	230-0430
40	230-0440
50	230-0450
MT2	230-0462
MT3	230-0463
MT4	230-0464
3/4"	230-0474
1"	230-0476

ER 32

12Pc. Collets in Set: 1/16, 3/32, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 13/16

Shank Size	Order No.
R8	230-0208
30	230-0230
40	230-0240
50	230-0250
MT3	230-0263
MT4	230-0264
MT5	230-0265
3/4x2-1/2	230-0274
1"x2-3/8	230-0276

ER 32

6Pc. Collets in Set: 1/4, 5/16, 3/8, 1/2, 5/8, 3/4

Shank Size	Order No.
R8	230-0308
30	230-0330
40	230-0340
50	230-0350
MT3	230-0363
MT4	230-0364
MT5	230-0365
3/4x2-1/2	230-0374
1"x2-3/8	230-0376

ER 40

8Pc. Collets in Set: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1

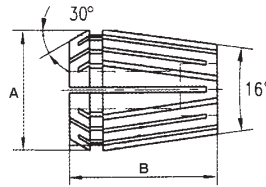
Shank Size	Order No.
R8	230-0108
30	230-0130
40	230-0140
50	230-0150
MT 3	230-0163
MT 4	230-0164
MT 5	230-0165
1x2-3/8	230-0176
1-1/4x2-3/8	230-0178

ER 40

15Pc. Collets in Set: 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"

Shank Size	Order No.
R8	230-0008
ISO 30	230-0030
ISO 40	230-0040
ISO 50	230-0050
MT 3	230-0063
MT 4	230-0064
MT 5	230-0065
1x2-3/8	230-0076
1-1/4x2-3/8	230-0078

Metric ER Collets



Type	A	B
ER11	11.5mm	18mm
ER16	17mm	27mm
ER20	21mm	31mm
ER25	26mm	35mm
ER32	33mm	40mm
ER40	41mm	46mm

Size	ER 8 Order No.	ER 9 Order No.	ER11 Order No.	ER 12 Order No.	ER 16 Order No.	ER-20 Order No.	ER-25 Order No.	ER 32 Order No.	ER 40 Order No.	ER-50 Order No.	ER 60 Order No.	ER 90 Order No.
1mm	204-0810	204-0910	204-1010	204-1210	204-6010	204-7010	204-7210					
1.5mm	204-0815	204-0915	204-1015	204-1215	204-6015	204-7015	204-7215					
2mm	204-0820	204-0920	204-1020	204-1220	204-6020	204-7020	204-7220	204-3320				
2.5mm	204-0825	204-0925	204-1025	204-1225	204-6025	204-7025	204-7225	204-3325				
3mm	204-0830	204-0930	204-1030	204-1230	204-6030	204-7030	204-7230	204-3330	204-4130			
3.5mm	204-0835	204-0935	204-1035	204-1235	204-6035	204-7035	204-7235	204-3335				
4mm		204-0940	204-1040	204-1240	204-6040	204-7040	204-7240	204-3340	204-4134			
4.5mm		204-0945	204-1045	204-1245	204-6045	204-7045	204-7245	204-3345				
5mm		204-0950	204-1050	204-1250	204-6050	204-7050	204-7250	204-3350	204-4135			
5.5mm			204-1055	204-1255	204-6055	204-7055	204-7255	204-3355				
6mm			204-1060	204-1260	204-6060	204-7060	204-7260	204-3360	204-4136	204-9060		
7mm			204-1070	204-1270	204-6070	204-7070	204-7270	204-3370	204-4137	204-9070		
8mm					204-6080	204-7080	204-7280	204-3380	204-4138	204-9080		
9mm					204-6090	204-7090	204-7290	204-3390	204-4139	204-9090		
10mm					204-6100	204-7100	204-7300	204-3400	204-4140	204-9100	204-6210	
11mm						204-7110	204-7310	204-3410	204-4141	204-9110	204-6211	
12mm						204-7120	204-7320	204-3420	204-4142	204-9120	204-6212	
13mm						204-7130	204-7330	204-3430	204-4143	204-9130	204-6213	
14mm							204-7340	204-3440	204-4144	204-9140	204-6214	
15mm							204-7350	204-3450	204-4145	204-9150	204-6215	
16mm							204-7360	204-3460	204-4146	204-9160	204-6216	
17mm								204-3470	204-4147	204-9170	204-6217	
18mm								204-3480	204-4148	204-9180	204-6218	
19mm								204-3490	204-4149	204-9190	204-6219	
20mm								204-3500	204-4150	204-9200	204-6220	204-6320
21mm									204-4151	204-9210	204-6221	
22mm									204-4152	204-9220	204-6222	204-6322
23mm									204-4153	204-9230	204-6223	
24mm									204-4154	204-9240	204-6224	204-6324
25mm									204-4155	204-9250	204-6225	
26mm									204-4156	204-9260	204-6226	204-6326
27mm									204-4157	204-9270	204-6227	
28mm									204-4158	204-9280	204-6228	204-6328
29mm									204-4159	204-9290	204-6229	
30mm									204-4160	204-9300	204-6230	204-6330
31mm										204-9310	204-6231	
32mm										204-9320	204-6232	204-6332
33mm										204-9330	204-6233	
34mm										204-9340	204-6234	204-6334
35mm											204-6235	
36mm											204-6236	204-6336
37mm											204-6237	
38mm											204-6238	204-6338
39mm											204-6239	
40mm											204-6240	204-6340
42mm												204-6342
44mm												204-6344
46mm												204-6346
48mm												204-6348
50mm												204-6350
52mm												204-6352
54mm												204-6354
56mm												204-6356
58mm												204-6358
60mm												204-6360

Metric ER Collet & Chuck Sets

ER16

8 collets in set:
2, 3, 4, 5, 6, 7, 8,
10mm



Shank Size	Set Order No.
R8	230-2608
30	230-2630
40	230-2640
50	230-2650
MT2	230-2662

Shank Size	Set Order No.
MT3	230-2663
MT4	230-2664
1/2"	230-2672
3/4"	230-2674

ER25

6 collets in set:
4, 6, 8, 10, 12,
16mm

Shank Size	Set Order No.
R8	230-2508
30	230-2530
40	230-2540
50	230-2550
MT2	230-2562
MT3	230-2563
MT4	230-2564
3/4"	230-2574
1"	230-2576

ER25

10 collets in set:
3, 4, 5, 6, 8, 10, 12,
14, 15, 16mm

Shank Size	Set Order No.
R8	230-2408
30	230-2430
40	230-2440
50	230-2450
MT2	230-2462
MT3	230-2463
MT4	230-2464
3/4"	230-2474
1"	230-2476

ER32

6 collets in set:
6, 8, 10, 12, 16,
20mm

Shank Size	Set Order No.
R8	230-2308
30	230-2330
40	230-2340
50	230-2350
MT3	230-2363
MT4	230-2364
MT5	230-2365
3/4"	230-2374
1"	230-2376

ER32

12 collets in set:
3, 4, 5, 6, 8, 10, 12,
14, 15, 16, 18, 20mm

Shank Size	Set Order No.
R8	230-2208
30	230-2230
40	230-2240
50	230-2250
MT3	230-2263
MT4	230-2264
MT5	230-2265
3/4"	230-2274
1"	230-2276

ER40

8 collets in set:
3, 5, 8, 12, 15, 18,
22, 26mm

Shank Size	Set Order No.
R8	230-2108
30	230-2130
40	230-2140
45	230-2145
50	230-2150
MT3	230-2163
MT4	230-2164
MT5	230-2165
1"	230-2176
1-1/4"	230-2178

ER40

15 collets in set:
3, 4, 5, 6, 8, 10, 12,
14, 15, 16, 18, 20, 22,
24, 26mm

Shank Size	Set Order No.
R8	230-2008
30	230-2030
40	230-2040
45	230-2045
50	230-2050
MT3	230-2063
MT4	230-2064
MT5	230-2065
1"	230-2076
1-1/4"	230-2078

Milling Collet Chuck Sets

Type J7616

Inch Set: Each set completed with 1 collet chuck, 1 clamping nut, 1 spanner & 4 collets of 1/4, 3/8, 1/2, 5/8"

Metric Set: Each set completed with 1 collet chuck, 1 clamping nut, 1 spanner & 4 collets of 6, 10, 12, 16mm



Chuck Type	Inch Set Order No.	Metric Set Order No.
R8	230-1008	230-1208
30	230-1030	230-1230
40	230-1040	230-1240
50	230-1050	230-1250
MT3	230-1063	230-1263
MT4	230-1064	230-1264
MT5	230-1065	230-1265

Type J7325(DIN6388-EOC25A)

Inch Set: Each set completed with 1 collet chuck, 1 clamping nut, 1 spanner & 8 collets of 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1"

Metric Set: Each set completed with 1 collet chuck, 1 clamping nut, 1 spanner & 8 collets of 3, 5, 6, 12, 15, 18, 22, 25mm



Chuck Type	Inch Set Order No.	Metric Set Order No.
R8	230-0808	230-2808
30	230-0830	230-2830
40	230-0840	230-2840
50	230-0850	230-2850
MT3	230-0862	230-2863
MT4	230-0863	230-2864
MT5	230-0864	230-2865
Straight 1"	230-0876	230-2866
Straight 1-1/4"	230-0878	230-2868

Inch Set: Each set completed with 1 collet chuck, 1 clamping nut, 1 spanner & 8 collets of 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"

Metric Set: Each set completed with 1 collet chuck, 1 clamping nut, 1 spanner & 8 collets of 3, 4, 5, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 24, 25mm



Chuck Type	Inch Set Order No.	Metric Set Order No.
R8	230-0808	230-2808
30	230-0830	230-2830
40	230-0840	230-2840
50	230-0850	230-2850
MT3	230-0862	230-2863
MT4	230-0863	230-2864
MT5	230-0864	230-2865
Straight 1"	230-0876	230-2866
Straight 1-1/4"	230-0878	230-2868

Type Q24-16

Inch Set: Each set completed with 1 collet chuck, 1 clamping nut, 1 spanner & 8 collets of 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16, 5/8"

Metric Set: Each set completed with 1 collet chuck, 1 clamping nut, 1 spanner & 8 collets of 4, 5, 6, 8, 10, 12, 14, 16mm



Chuck Type	Inch Set Order No.	Metric Set Order No.
R8	230-0908	230-1908
30	230-0930	230-1930
40	230-0940	230-1940
MT2	230-0962	230-1962
MT3	230-0963	230-1963
MT4	230-0964	230-1964
Straight 1"	230-0976	230-1976
Straight 1-1/4"	230-0978	230-1978