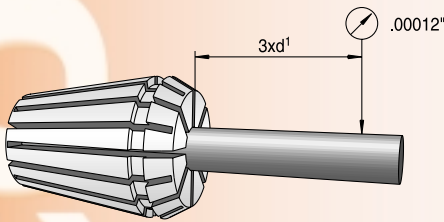
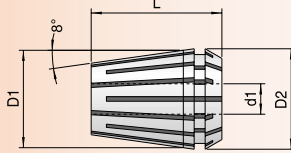
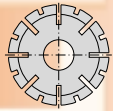


### ULTRA PRECISION ER COLLETS

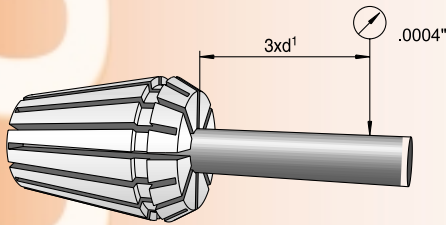
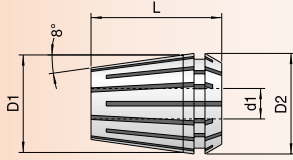
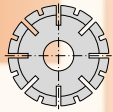
Accuracy: .00012"  
.003 mm



DIN 6499-B		ER16	ER25	ER32	ER40
d <sup>1</sup> Range Inch (Metric)		1/64" - 3/8" (.5mm - 10mm)	1/32" - 5/8" (1mm - 16mm)	5/64" - 3/4" (2mm - 20mm)	9/64" - 1" (3.5mm - 26mm)
D <sup>1</sup>		.630	.984	1.260	1.575
D <sup>2</sup>		.669	1.024	1.299	1.614
L		1.083	1.339	1.575	1.811
RANGE (d <sup>1</sup> ) INCH METRIC		ER16	ER25	ER32	ER40
.0394 - .0197	1.0 - 0.5	ER16UP-010			
.0591 - .0394	1.5 - 1.0	ER16UP-015			
.0787 - .0591	2.0 - 1.5	ER16UP-020	ER25UP-020		
.0984 - .0787	2.5 - 2.0	ER16UP-025	ER25UP-025	ER32UP-025	
.1181 - .0984	3.0 - 2.5	ER16UP-030	ER25UP-030	ER32UP-030	
.1378 - .1181	3.5 - 3.0	ER16UP-035	ER25UP-035	ER32UP-035	
.1575 - .1378	4.0 - 3.5	ER16UP-040	ER25UP-040	ER32UP-040	ER40UP-040
.1772 - .1575	4.5 - 4.0	ER16UP-045	ER25UP-045	ER32UP-045	ER40UP-045
.1969 - .1772	5.0 - 4.5	ER16UP-050	ER25UP-050	ER32UP-050	ER40UP-050
.2165 - .1969	5.5 - 5.0	ER16UP-055	ER25UP-055	ER32UP-055	ER40UP-055
.2362 - .2165	6.0 - 5.5	ER16UP-060	ER25UP-060	ER32UP-060	ER40UP-060
.2559 - .2362	6.5 - 6.0	ER16UP-065	ER25UP-065	ER32UP-065	ER40UP-065
.2756 - .2559	7.0 - 6.5	ER16UP-070	ER25UP-070	ER32UP-070	ER40UP-070
.2953 - .2756	7.5 - 7.0	ER16UP-075	ER25UP-075	ER32UP-075	ER40UP-075
.3150 - .2953	8.0 - 7.5	ER16UP-080	ER25UP-080	ER32UP-080	ER40UP-080
.3346 - .3150	8.5 - 8.0	ER16UP-085	ER25UP-085	ER32UP-085	ER40UP-085
.3543 - .3346	9.0 - 8.5	ER16UP-090	ER25UP-090	ER32UP-090	ER40UP-090
.3740 - .3543	9.5 - 9.0	ER16UP-095	ER25UP-095	ER32UP-095	ER40UP-095
.3937 - .3740	10.0 - 9.5	ER16UP-100	ER25UP-100	ER32UP-100	ER40UP-100
.4134 - .3937	10.5 - 10.0		ER25UP-105	ER32UP-105	ER40UP-105
.4331 - .4134	11.0 - 10.5		ER25UP-110	ER32UP-110	ER40UP-110
.4528 - .4331	11.5 - 11.0		ER25UP-115	ER32UP-115	ER40UP-115
.4724 - .4528	12.0 - 11.5		ER25UP-120	ER32UP-120	ER40UP-120
.4921 - .4724	12.5 - 12.0		ER25UP-125	ER32UP-125	ER40UP-125
.5118 - .4921	13.0 - 12.5		ER25UP-130	ER32UP-130	ER40UP-130
.5315 - .5118	13.5 - 13.0		ER25UP-135	ER32UP-135	ER40UP-135
.5512 - .5315	14.0 - 13.5		ER25UP-140	ER32UP-140	ER40UP-140
.5709 - .5512	14.5 - 14.0		ER25UP-145	ER32UP-145	ER40UP-145
.5906 - .5709	15.0 - 14.5		ER25UP-150	ER32UP-150	ER40UP-150
.6102 - .5906	15.5 - 15.0		ER25UP-155	ER32UP-155	ER40UP-155
.6299 - .6102	16.0 - 15.5		ER25UP-160	ER32UP-160	ER40UP-160
.6496 - .6299	16.5 - 16.0			ER32UP-165	ER40UP-165
.6693 - .6496	17.0 - 16.5			ER32UP-170	ER40UP-170
.6890 - .6693	17.5 - 17.0			ER32UP-175	ER40UP-175
.7087 - .6890	18.0 - 17.5			ER32UP-180	ER40UP-180
.7283 - .7087	18.5 - 18.0			ER32UP-185	ER40UP-185
.7480 - .7283	19.0 - 18.5			ER32UP-190	ER40UP-190
.7677 - .7480	19.5 - 19.0			ER32UP-195	ER40UP-195
.7874 - .7677	20.0 - 19.5			ER32UP-200	ER40UP-200
.8071 - .7874	20.5 - 20.0				ER40UP-205
.8268 - .8071	21.0 - 20.5				ER40UP-210
.8465 - .8268	21.5 - 21.0				ER40UP-215
.8661 - .8465	22.0 - 21.5				ER40UP-220
.8858 - .8661	22.5 - 22.0				ER40UP-225
.9055 - .8858	23.0 - 22.5				ER40UP-230
.9252 - .9055	23.5 - 23.0				ER40UP-235
.9449 - .9252	24.0 - 23.5				ER40UP-240
.9646 - .9449	24.5 - 24.0				ER40UP-245
.9843 - .9646	25.0 - 24.5				ER40UP-250
1.0039 - .9843	25.5 - 25.0				ER40UP-255
1.0236 - 1.0039	26.0 - 25.5				ER40UP-260

# PRECISION ER COLLETS

Accuracy: **.0004"**  
**.01 mm**



DIN 6499-B		ER11	ER16	ER20	ER25	ER32	ER40
<b>d<sup>1</sup> Range</b>	1/64" - 17/64"	1/64" - 3/8"	3/64" - 1/2"	1/32" - 3/8"	5/64" - 3/4"	1/8" - 1"	
<b>Inch (Metric)</b>	(.5mm - 7mm)	(.5mm - 10mm)	(1mm - 13mm)	(1mm - 16mm)	(2mm - 20mm)	(3mm - 26mm)	
<b>D<sup>1</sup></b>	.433	.629	.787	.984	1.259	1.574	
<b>D<sup>2</sup></b>	.452	.669	.826	1.023	1.299	1.614	
<b>L</b>	.708	1.082	1.24	1.338	1.574	1.811	
RANGE (d <sup>1</sup> )		ER11	ER16	ER20	ER25	ER32	ER40
INCH	METRIC						
.0394 - .0197	1.0 - 0.5	ER11P-010	ER16P-010				
.0787 - .0394	2.0 - 1.0	ER11P-020	ER16P-020	ER20P-020	ER25P-020		
.1181 - .0787	3.0 - 2.0	ER11P-030	ER16P-030	ER20P-030	ER25P-030	ER32P-030	
.1575 - .1181	4.0 - 3.0	ER11P-040	ER16P-040	ER20P-040	ER25P-040	ER32P-040	ER40P-040
.1969 - .1575	5.0 - 4.0	ER11P-050	ER16P-050	ER20P-050	ER25P-050	ER32P-050	ER40P-050
.2362 - .1969	6.0 - 5.0	ER11P-060	ER16P-060	ER20P-060	ER25P-060	ER32P-060	ER40P-060
.2756 - .2362	7.0 - 6.0	ER11P-070	ER16P-070	ER20P-070	ER25P-070	ER32P-070	ER40P-070
.3150 - .2756	8.0 - 7.0		ER16P-080	ER20P-080	ER25P-080	ER32P-080	ER40P-080
.3543 - .3150	9.0 - 8.0		ER16P-090	ER20P-090	ER25P-090	ER32P-090	ER40P-090
.3937 - .3543	10.0 - 9.0		ER16P-100	ER20P-100	ER25P-100	ER32P-100	ER40P-100
.4331 - .3937	11.0 - 10.0			ER20P-110	ER25P-110	ER32P-110	ER40P-110
.4724 - .4331	12.0 - 11.0			ER20P-120	ER25P-120	ER32P-120	ER40P-120
.5118 - .4724	13.0 - 12.0			ER20P-130	ER25P-130	ER32P-130	ER40P-130
.5512 - .5118	14.0 - 13.0				ER25P-140	ER32P-140	ER40P-140
.5906 - .5512	15.0 - 14.0				ER25P-150	ER32P-150	ER40P-150
.6299 - .5906	16.0 - 15.0				ER25P-160	ER32P-160	ER40P-160
.6693 - .6299	17.0 - 16.0					ER32P-170	ER40P-170
.7087 - .6693	18.0 - 17.0					ER32P-180	ER40P-180
.7480 - .7087	19.0 - 18.0					ER32P-190	ER40P-190
.7874 - .7480	20.0 - 19.0					ER32P-200	ER40P-200
.8268 - .7874	21.0 - 20.0						ER40P-210
.8661 - .8268	22.0 - 21.0						ER40P-220
.9055 - .8661	23.0 - 22.0						ER40P-230
.9449 - .9055	24.0 - 23.0						ER40P-240
.9843 - .9449	25.0 - 24.0						ER40P-250
1.0236 - .9843	26.0 - 25.0						ER40P-260
SETS		ER11P-SET	ER16P-SET	ER20P-SET	ER25P-SET	ER32P-SET	ER40P-SET
RANGE	INCH	1/64" - 17/64"	1/64" - 3/8"	3/64" - 1/2"	1/32" - 5/8"	5/64" - 3/4"	1/8" - 1"
	METRIC	.5 - 7	.5 - 10	1 - 13	1 - 16	2 - 20	3 - 26
NO. OF COLLETS		7	10	12	15	18	23



## TYSON TOOL

TM

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