

CNC TOOLING SOLUTIONS

- Live Centers
- Collet Chucks
- Tightening Fixtures
- End Mill Holders
- Spring Collets



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VETERAN
OWNED AND OPERATED

Super-Precision Low Profile Heavy-Duty Live Centers



- High-precision, heavy-duty high-speed design
- Design for easy lubrication for long life
- One-piece body & spindle made of high-quality forged alloy steel, hardened to 60 HRC and precisely ground
- Front bearings are protected by a special steel/elastomer ring

Order No.	Description
L0005	1MT PRECISION LIVE CENTER
L0004	2MT PRECISION LIVE CENTER
L0003	3MT PRECISION LIVE CENTER
L0001	4MT PRECISION LIVE CENTER
L0002	5MT PRECISION LIVE CENTER
L0006	6MT PRECISION LIVE CENTER

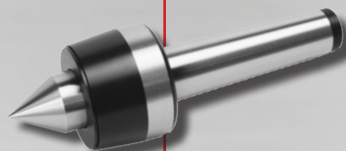
Super-Precision Heavy-Duty Live Centers Kits



- Triple-bearing, heavy-duty, high speed design
- All centers are provided with high-precision bearings
- One-piece body is made of high-quality forged alloy steel hardened to 60 HRC and precisely ground
- Bearings are protected by a special steel ring
- Every set includes: the main body, seven inserts and an ejecting wedge
- Set comes with a strong metal or plastic case

Order No.	Description
L0010	2MT PRECISION LIVE CENTER SET
L0008	3MT PRECISION LIVE CENTER SET
L0007	4MT PRECISION LIVE CENTER SET
L0009	5MT PRECISION LIVE CENTER SET

Super-Precision High RPM Medium Duty Live Centers



- High-precision, high-speed, medium-duty design
- Provided with adjustable ultra-precision, high-speed radial bearing
- One-piece body & spindle made of high-quality forged alloy steel, hardened to 60 HRC and precisely ground
- Front bearings are protected by a special steel/elastomer ring
- Perfect for all kinds of machining operations on manual and CNC lathes

Order No.	Description
L0020	2MT SUPER PREC. ADJ. HS LIVE CENTER
L0015	3MT SUPER PREC. ADJ. HS LIVE CENTER
L0016	4MT SUPER PREC. ADJ. HS LIVE CENTER
L0017	5MT SUPER PREC. ADJ. HS LIVE CENTER
L0021	6MT SUPER PREC. ADJ. HS LIVE CENTER

Super-Precision Heavy- Duty Live Centers

- High-precision, heavy-duty design
- One-piece body & spindle made of high-quality forged alloy steel hardened to 60 HRC and precisely ground
- Front bearings are protected by a special steel/elastomer ring

Order No.	Description
L0018	1MT SUPER PRECISION LIVE CENTER
L0012	2MT SUPER PRECISION LIVE CENTER
L0011	3MT SUPER PRECISION LIVE CENTER
L0013	4MT SUPER PRECISION LIVE CENTER
L0014	5MT SUPER PRECISION LIVE CENTER
L0019	6MT SUPER PRECISION LIVE CENTER

ER Collet Chucks

- Taper-to-Taper Runout < 0.0001"
- AD+B coolant thru the spindle & flange
- Balanced G2.5 @ 30,000 RPM
- Hardened to 58-62 HRC
- Taper Shank ground to AT3 accuracy (or better)
- Stop Screw included



- CAT40 Draw Bar Threads: 5/8"-11
- CAT50 Draw Bar Threads: 1"-8

CAT40

Order No.	Description
T0325	CAT40 ER11 COLLET CHUCK 2.5"
T0498	CAT40 ER11 COLLET CHUCK 3"
T0322	CAT40 ER11 COLLET CHUCK 4"
T0326	CAT40 ER11 COLLET CHUCK 6"
T0310	CAT40 ER16 COLLET CHUCK 2.5"
T0499	CAT40 ER16 COLLET CHUCK 2.76"
T0500	CAT40 ER16 COLLET CHUCK 3"
T0501	CAT40 ER16 COLLET CHUCK 3.5"
T0317	CAT40 ER16 COLLET CHUCK 4"
T0321	CAT40 ER16 COLLET CHUCK 5"
T0329	CAT40 ER16 COLLET CHUCK 6"
T0502	CAT40 ER16 COLLET CHUCK 9"
T0503	CAT40 ER16 COLLET CHUCK 10"
T0327	CAT40 ER16 COLLET CHUCK 8"
T0314	CAT40 ER20 COLLET CHUCK 2.5"
T0504	CAT40 ER20 COLLET CHUCK 2.76"
T0505	CAT40 ER20 COLLET CHUCK 3"
T0318	CAT40 ER20 COLLET CHUCK 4"
T0320	CAT40 ER20 COLLET CHUCK 6"
T0330	CAT40 ER20 COLLET CHUCK 8"
T0506	CAT40 ER20 COLLET CHUCK 9"
T0507	CAT40 ER20 COLLET CHUCK 10"
T0313	CAT40 ER25 COLLET CHUCK 2.5"
T0508	CAT40 ER25 COLLET CHUCK 2.76"
T0316	CAT40 ER25 COLLET CHUCK 4"
T0323	CAT40 ER25 COLLET CHUCK 6"
T0332	CAT40 ER25 COLLET CHUCK 8"
T0533	CAT40 ER32 COLLET CHUCK 2"
T0353	CAT40 ER32 COLLET CHUCK 2.50"
T0309	CAT40 ER32 COLLET CHUCK 2.75"
T0510	CAT40 ER32 COLLET CHUCK 2.36"
T0511	CAT40 ER32 COLLET CHUCK 3"
T0512	CAT40 ER32 COLLET CHUCK 3.13"
T0311	CAT40 ER32 COLLET CHUCK 4"
T0513	CAT40 ER32 COLLET CHUCK 5"
T0319	CAT40 ER32 COLLET CHUCK 6"
T0328	CAT40 ER32 COLLET CHUCK 8"
T0514	CAT40 ER32 COLLET CHUCK 9"
T0515	CAT40 ER32 COLLET CHUCK 10"
T0516	CAT40 ER40 COLLET CHUCK 2.5"
T0312	CAT40 ER40 COLLET CHUCK 3"
T0517	CAT40 ER40 COLLET CHUCK 3.15"
T0518	CAT40 ER40 COLLET CHUCK 4"
T0519	CAT40 ER40 COLLET CHUCK 5"
T0324	CAT40 ER40 COLLET CHUCK 6"
T0331	CAT40 ER40 COLLET CHUCK 8"

CAT50

Order No.	Description
T0339	CAT50 ER16 COLLET CHUCK 4"
T0343	CAT50 ER16 COLLET CHUCK 6"
T0348	CAT50 ER16 COLLET CHUCK 8"
T0520	CAT50 ER16 COLLET CHUCK 10"
T0521	CAT50 ER16 COLLET CHUCK 12"
T5022	CAT50 ER20 COLLET CHUCK 2.5"
T0341	CAT50 ER20 COLLET CHUCK 4"
T0337	CAT50 ER20 COLLET CHUCK 6"
T0347	CAT50 ER20 COLLET CHUCK 8"
T0523	CAT50 ER20 COLLET CHUCK 10"
T0524	CAT50 ER20 COLLET CHUCK 12"
T0525	CAT50 ER25 COLLET CHUCK 2.5"
T0342	CAT50 ER25 COLLET CHUCK 4"
T0345	CAT50 ER25 COLLET CHUCK 6"
T0350	CAT50 ER25 COLLET CHUCK 8"
T0526	CAT50 ER25 COLLET CHUCK 9"
T5027	CAT50 ER25 COLLET CHUCK 10"
T0346	CAT50 ER32 COLLET CHUCK 1.69"
T0335	CAT50 ER32 COLLET CHUCK 4"
T0336	CAT50 ER32 COLLET CHUCK 6"
T0344	CAT50 ER32 COLLET CHUCK 8"
T0528	CAT50 ER32 COLLET CHUCK 10"
T0351	CAT50 ER32 COLLET CHUCK 12"
T0338	CAT50 ER40 COLLET CHUCK 4"
T0340	CAT50 ER40 COLLET CHUCK 6"
T0349	CAT50 ER40 COLLET CHUCK 8"
T0529	CAT50 ER40 COLLET CHUCK 10"
T0530	CAT50 ER50 COLLET CHUCK 4"
T0531	CAT50 ER50 COLLET CHUCK 6"
T0532	CAT50 ER50 COLLET CHUCK 8"

Universal H/V CNC Tool Tightening Fixtures



Order No.	Description
T0102	CAT/BT 30 CNC TIGHTENING FIXTURE
T0100	CAT/BT 40 CNC TIGHTENING FIXTURE
T0101	CAT/BT 50 CNC TIGHTENING FIXTURE

End Mill Holders

- Taper-to-Bore Runout < 0.0002"
- H5 Bore Tolerance
- AD+B Coolant thru the Spindle & Flange
- CAT40 balanced G2.5 @ 30,000 RPM
- Taper Shank ground to AT3 accuracy (or better)
- CAT40 Draw Bar Threads: 5/8"-11



CAT40

Order No.	Description
T0187	CAT40 END MILL HOLDER 1/8X1.38
T0354	CAT40 END MILL HOLDER 1/8X1.75
T0355	CAT40 END MILL HOLDER 1/8X2
T0356	CAT40 END MILL HOLDER 1/8X2.37
T0357	CAT40 END MILL HOLDER 1/8X2.5
T0358	CAT40 END MILL HOLDER 1/8X3
T0359	CAT40 END MILL HOLDER 1/8X4
T0177	CAT40 END MILL HOLDER 1/8X4.5
T0360	CAT40 END MILL HOLDER 1/8X5
T0361	CAT40 END MILL HOLDER 1/8X6
T0185	CAT40 END MILL HOLDER 3/16X1.38
T0362	CAT40 END MILL HOLDER 3/16X1.75
T0182	CAT40 END MILL HOLDER 3/16X2.5
T0363	CAT40 END MILL HOLDER 3/16X3
T0364	CAT40 END MILL HOLDER 3/16X4
T0179	CAT40 END MILL HOLDER 3/16X4.5
T0365	CAT40 END MILL HOLDER 3/16X4.72
T0197	CAT40 END MILL HOLDER 3/16X6
T0181	CAT40 END MILL HOLDER 1/4X1.38
T0366	CAT40 END MILL HOLDER 1/4X1.75
T0174	CAT40 END MILL HOLDER 1/4X2.5
T0367	CAT40 END MILL HOLDER 1/4X3
T0368	CAT40 END MILL HOLDER 1/4X4
T0369	CAT40 END MILL HOLDER 1/4X4.72
T0169	CAT40 END MILL HOLDER 1/4X4.5
T0194	CAT40 END MILL HOLDER 1/4X6
T0370	CAT40 END MILL HOLDER 1/4X9
T0189	CAT40 END MILL HOLDER 5/16X1.38
T0371	CAT40 END MILL HOLDER 5/16X1.75
T0372	CAT40 END MILL HOLDER 5/16X2.5
T0373	CAT40 END MILL HOLDER 5/16X3
T0374	CAT40 END MILL HOLDER 5/16X4
T0190	CAT40 END MILL HOLDER 5/16X4.5
T0375	CAT40 END MILL HOLDER 5/16X4.72
T0376	CAT40 END MILL HOLDER 5/16X6
T0377	CAT40 END MILL HOLDER 5/16X9
T0178	CAT40 END MILL HOLDER 3/8X1.38
T0378	CAT40 END MILL HOLDER 3/8X1.75
T0170	CAT40 END MILL HOLDER 3/8X2.5
T0379	CAT40 END MILL HOLDER 3/8X3
T0380	CAT40 END MILL HOLDER 3/8X4
T0183	CAT40 END MILL HOLDER 3/8 X 4.50
T0381	CAT40 END MILL HOLDER 3/8 X 4.72
T0382	CAT40 END MILL HOLDER 3/8 X 5
T0383	CAT40 END MILL HOLDER 3/8 X 6
T0203	CAT40 END MILL HOLDER 3/8X6.5
T0207	CAT40 END MILL HOLDER 3/8X8
T0384	CAT40 END MILL HOLDER 3/8X9
T0196	CAT40 END MILL HOLDER 7/16X1.75
T0385	CAT40 END MILL HOLDER 7/16X2.5
T0386	CAT40 END MILL HOLDER 7/16X2.62
T0387	CAT40 END MILL HOLDER 7/16X4
T0200	CAT40 END MILL HOLDER 7/16X4.5
T0388	CAT40 END MILL HOLDER 7/16X9
T0173	CAT40 END MILL HOLDER 1/2X1.75
T0352	CAT40 END MILL HOLDER 1/2X2.50
T0164	CAT40 END MILL HOLDER 1/2X2.62

Order No.	Description
T0389	CAT40 END MILL HOLDER 1/2X3
T0390	CAT40 END MILL HOLDER 1/2X4
T0172	CAT40 END MILL HOLDER 1/2X4.62
T0391	CAT40 END MILL HOLDER 1/2X5
T0392	CAT40 END MILL HOLDER 1/2X6
T0193	CAT40 END MILL HOLDER 1/2X6.62
T0202	CAT40 END MILL HOLDER 1/2X8
T0393	CAT40 END MILL HOLDER 1/2X9
T0394	CAT40 END MILL HOLDER 9/16X1.75
T0395	CAT40 END MILL HOLDER 9/16X2.62
T0175	CAT40 END MILL HOLDER 5/8X1.75
T0396	CAT40 END MILL HOLDER 5/8X2.75
T0397	CAT40 END MILL HOLDER 5/8X3
T0171	CAT40 END MILL HOLDER 5/8X3.75
T0398	CAT40 END MILL HOLDER 5/8X4
T0399	CAT40 END MILL HOLDER 5/8X5.5
T0195	CAT40 END MILL HOLDER 5/8X5.75
T0400	CAT40 END MILL HOLDER 5/8X6
T0205	CAT40 END MILL HOLDER 5/8X8
T0401	CAT40 END MILL HOLDER 5/8X9
T0165	CAT40 END MILL HOLDER 3/4X1.75
T0402	CAT40 END MILL HOLDER 3/4X3
T0403	CAT40 END MILL HOLDER 3/4X3.5
T0168	CAT40 END MILL HOLDER 3/4X3.75
T0404	CAT40 END MILL HOLDER 3/4X4
T0405	CAT40 END MILL HOLDER 3/4X5
T0406	CAT40 END MILL HOLDER 3/4X5.5
T0186	CAT40 END MILL HOLDER 3/4X5.75
T0407	CAT40 END MILL HOLDER 3/4X6
T0408	CAT40 END MILL HOLDER 3/4X6.5
T0198	CAT40 END MILL HOLDER 3/4X8
T0409	CAT40 END MILL HOLDER 3/4X9
T0188	CAT40 END MILL HOLDER 7/8X1.75
T0410	CAT40 END MILL HOLDER 7/8X3.5
T0411	CAT40 END MILL HOLDER 7/8X3.75
T0191	CAT40 END MILL HOLDER 7/8X4
T0201	CAT40 END MILL HOLDER 7/8X6
T0412	CAT40 END MILL HOLDER 7/8X9
T0166	CAT40 END MILL HOLDER 1X1.75
T0413	CAT40 END MILL HOLDER 1X2
T0414	CAT40 END MILL HOLDER 1X3
T0180	CAT40 END MILL HOLDER 1X4
T0192	CAT40 END MILL HOLDER 1X6
T0206	CAT40 END MILL HOLDER 1X8
T0415	CAT40 END MILL HOLDER 1X9
T0167	CAT40 END MILL HOLDER 1-1/4X2
T0416	CAT40 END MILL HOLDER 1-1/4X4
T0176	CAT40 END MILL HOLDER 1-1/4X4.25
T0417	CAT40 END MILL HOLDER 1-1/4X4.6
T0418	CAT40 END MILL HOLDER 1-1/4X6
T0204	CAT40 END MILL HOLDER 1-1/4X6.25
T0208	CAT40 END MILL HOLDER 1-1/4X8
T0419	CAT40 END MILL HOLDER 1-1/2X4
T0420	CAT40 END MILL HOLDER 1-1/2X4.5
T0184	CAT40 END MILL HOLDER 1-1/2X4.62
T0421	CAT40 END MILL HOLDER 1-1/2X6
T0199	CAT40 END MILL HOLDER 1-1/2X6.62
T0209	CAT40 END MILL HOLDER 1-1/2X8

End Mill Holders



- Taper-to-Bore Runout < 0.0002"
- H5 Bore Tolerance
- AD+B Coolant thru the Spindle & Flange
- CAT50 balanced G2.5 @ 25,000 RPM
- Taper Shank ground to AT3 accuracy (or better)
- CAT50 Draw Bar Threads: 1"-8

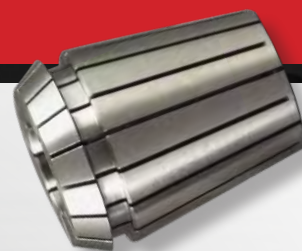
CAT50

Order No.	Description
T0422	CAT50 END MILL HOLDER 1/8X2.5
T0244	CAT50 END MILL HOLDER 3/16X2.5
T0233	CAT50 END MILL HOLDER 3/16X4.5
T0423	CAT50 END MILL HOLDER 1/4X1.38
T0245	CAT50 END MILL HOLDER 1/4X2.5
T0424	CAT50 END MILL HOLDER 1/4X4
T0229	CAT50 END MILL HOLDER 1/4X4.5
T0239	CAT50 END MILL HOLDER 1/4X6
T0425	CAT50 END MILL HOLDER 1/4X6.5
T0426	CAT50 END MILL HOLDER 1/4X8
T0427	CAT50 END MILL HOLDER 1/4X10
T0428	CAT50 END MILL HOLDER 5/16X1.38
T0429	CAT50 END MILL HOLDER 5/16X2.5
T0430	CAT50 END MILL HOLDER 5/16X4
T0231	CAT50 END MILL HOLDER 5/16X4.5
T0431	CAT50 END MILL HOLDER 5/16X6
T0432	CAT50 END MILL HOLDER 3/8X1.38
T0226	CAT50 END MILL HOLDER 3/8X2.5
T0433	CAT50 END MILL HOLDER 3/8X4
T0221	CAT50 END MILL HOLDER 3/8X4.5
T0434	CAT50 END MILL HOLDER 3/8X6
T0227	CAT50 END MILL HOLDER 3/8X6.50
T0248	CAT50 END MILL HOLDER 3/8X8
T0435	CAT50 END MILL HOLDER 3/8X10
T0436	CAT50 END MILL HOLDER 3/8X14
T0247	CAT50 END MILL HOLDER 7/16X1.75
T0437	CAT50 END MILL HOLDER 7/16X2.5
T0438	CAT50 END MILL HOLDER 7/16X4
T0237	CAT50 END MILL HOLDER 7/16X4.5
T0439	CAT50 END MILL HOLDER 7/16X6
T0440	CAT50 END MILL HOLDER 7/16X8
T0441	CAT50 END MILL HOLDER 7/16X14
T0442	CAT50 END MILL HOLDER 1/2X1.75
T0230	CAT50 END MILL HOLDER 1/2X2.62
T0443	CAT50 END MILL HOLDER 1/2X4
T0219	CAT50 END MILL HOLDER 1/2X4.62
T0444	CAT50 END MILL HOLDER 1/2X5
T0445	CAT50 END MILL HOLDER 1/2X6
T0224	CAT50 END MILL HOLDER 1/2X6.62
T0235	CAT50 END MILL HOLDER 1/2X8
T0446	CAT50 END MILL HOLDER 1/2X10
T0447	CAT50 END MILL HOLDER 1/2X14
T0448	CAT50 END MILL HOLDER 9/16X1.44
T0449	CAT50 END MILL HOLDER 9/16X2.62
T0450	CAT50 END MILL HOLDER 9/16X3
T0451	CAT50 END MILL HOLDER 9/16X6
T0452	CAT50 END MILL HOLDER 5/8X1.44
T0453	CAT50 END MILL HOLDER 5/8X1.75
T0454	CAT50 END MILL HOLDER 5/8X3
T0220	CAT50 END MILL HOLDER 5/8X3.75
T0455	CAT50 END MILL HOLDER 5/8X4
T0222	CAT50 END MILL HOLDER 5/8X5.75
T0456	CAT50 END MILL HOLDER 5/8X6
T0457	CAT50 END MILL HOLDER 5/8X7.5
T0458	CAT50 END MILL HOLDER 5/8X7.75
T0236	CAT50 END MILL HOLDER 5/8X8

Order No.	Description
T0459	CAT50 END MILL HOLDER 5/8X10
T0460	CAT50 END MILL HOLDER 5/8X14
T0461	CAT50 END MILL HOLDER 3/4X1.44
T0462	CAT50 END MILL HOLDER 3/4X1.62
T0463	CAT50 END MILL HOLDER 3/4X1.75
T0464	CAT50 END MILL HOLDER 3/4X3
T0215	CAT50 END MILL HOLDER 3/4X3.75
T0465	CAT50 END MILL HOLDER 3/4X4
T0217	CAT50 END MILL HOLDER 3/4X5.75
T0466	CAT50 END MILL HOLDER 3/4X6
T0467	CAT50 END MILL HOLDER 3/4X7.75
T0228	CAT50 END MILL HOLDER 3/4X8
T0468	CAT50 END MILL HOLDER 3/4X14
T0469	CAT50 END MILL HOLDER 7/8X1.75
T0470	CAT50 END MILL HOLDER 7/8X3.75
T0234	CAT50 END MILL HOLDER 7/8X4
T0471	CAT50 END MILL HOLDER 7/8X5.75
T0238	CAT50 END MILL HOLDER 7/8X6
T0472	CAT50 END MILL HOLDER 7/8X7.75
T0473	CAT50 END MILL HOLDER 7/8X8
T0474	CAT50 END MILL HOLDER 1X1.62
T0475	CAT50 END MILL HOLDER 1X2
T0476	CAT50 END MILL HOLDER 1X2.62
T0214	CAT50 END MILL HOLDER 1X4
T0218	CAT50 END MILL HOLDER 1X6
T0240	CAT50 END MILL HOLDER 1X8
T0477	CAT50 END MILL HOLDER 1X14
T0478	CAT50 END MILL HOLDER 1-1/4X2
T0479	CAT50 END MILL HOLDER 1-1/4X2.62
T0480	CAT50 END MILL HOLDER 1-1/4X4
T0216	CAT50 END MILL HOLDER 1-1/4X4.25
T0481	CAT50 END MILL HOLDER 1-1/4X4.6
T0482	CAT50 END MILL HOLDER 1-1/4X6
T0225	CAT50 END MILL HOLDER 1-1/4X6.25
T0241	CAT50 END MILL HOLDER 1-1/4X8
T0483	CAT50 END MILL HOLDER 1-1/4X14
T0484	CAT50 END MILL HOLDER 1-1/2X2
T0485	CAT50 END MILL HOLDER 1-1/2X2.25
T0486	CAT50 END MILL HOLDER 1-1/2X2.62
T0487	CAT50 END MILL HOLDER 1-1/2X4
T0223	CAT50 END MILL HOLDER 1-1/2X4.62
T0488	CAT50 END MILL HOLDER 1-1/2X6
T0246	CAT50 END MILL HOLDER 1-1/2X6.62
T0489	CAT50 END MILL HOLDER 1-1/2X7
T0242	CAT50 END MILL HOLDER 1-1/2X8
T0490	CAT50 END MILL HOLDER 1-1/2X9
T0491	CAT50 END MILL HOLDER 2X3.63
T0492	CAT50 END MILL HOLDER 2X5.37
T0232	CAT50 END MILL HOLDER 2X5.62
T0493	CAT50 END MILL HOLDER 2X6
T0494	CAT50 END MILL HOLDER 2X7.62
T0249	CAT50 END MILL HOLDER 2X8
T0495	CAT50 END MILL HOLDER 2X9.62
T0496	CAT50 END MILL HOLDER 2X10
T0497	CAT50 END MILL HOLDER 2-1/2X6.5

ER Collets

- Precision collets
- Collet accuracy: 0.0003" - 0.0004" T.I.R.
- (0.008mm - 0.010mm)
- Wide clamping ranges: 0.02" - 0.039" collapsibility
- Made of high-quality steel



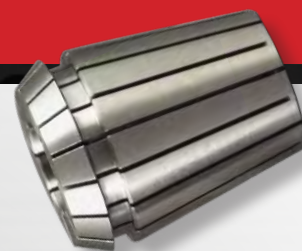
Order No.	Description
CS001	ER11 COLLET 1/16"
CS002	ER11 COLLET 3/32"
CS003	ER11 COLLET 1/8"
CS004	ER11 COLLET 5/32"
CS005	ER11 COLLET 3/16"
CS006	ER11 COLLET 7/32"
CS007	ER11 COLLET 1/4"
CS008	ER16 COLLET 1/16
CS009	ER16 COLLET 3/32
CS010	ER16 COLLET 1/8
CS011	ER16 COLLET 5/32
CS012	ER16 COLLET 3/16
CS013	ER16 COLLET 7/32
CS014	ER16 COLLET 1/4
CS015	ER16 COLLET 9/32
CS016	ER16 COLLET 5/16
CS017	ER16 COLLET 11/32
CS018	ER16 COLLET 3/8
CS019	ER16 COLLET 13/32
CS020	ER20 COLLET 3/32
CS021	ER20 COLLET 1/8
CS022	ER20 COLLET 5/32
CS023	ER20 COLLET 3/16
CS024	ER20 COLLET 7/32
CS025	ER20 COLLET 1/4
CS026	ER20 COLLET 9/32
CS027	ER20 COLLET 5/16
CS028	ER20 COLLET 11/32
CS029	ER20 COLLET 3/8
CS030	ER20 COLLET 13/32
CS031	ER20 COLLET 7/16
CS032	ER20 COLLET 15/32
CS033	ER20 COLLET 1/2
CS034	ER25 COLLET 1/16
CS035	ER25 COLLET 3/32
CS036	ER25 COLLET 1/8
CS037	ER25 COLLET 5/32
CS038	ER25 COLLET 3/16
CS039	ER25 COLLET 7/32
CS040	ER25 COLLET 1/4
CS041	ER25 COLLET 9/32
CS042	ER25 COLLET 5/16
CS043	ER25 COLLET 11/32
CS044	ER25 COLLET 3/8
CS045	ER25 COLLET 13/32
CS046	ER25 COLLET 7/16
CS047	ER25 COLLET 15/32
CS048	ER25 COLLET 1/2
CS049	ER25 COLLET 17/32

Order No.	Description
CS050	ER25 COLLET 9/16
CS051	ER25 COLLET 19/32
CS052	ER25 COLLET 5/8
CS053	ER32 COLLET 1/8
CS054	ER32 COLLET 5/32
CS055	ER32 COLLET 3/16
CS056	ER32 COLLET 7/32
CS057	ER32 COLLET 1/4
CS058	ER32 COLLET 9/32
CS059	ER32 COLLET 5/16
CS060	ER32 COLLET 11/32
CS061	ER32 COLLET 3/8
CS062	ER32 COLLET 13/32
CS063	ER32 COLLET 7/16
CS064	ER32 COLLET 15/32
CS065	ER32 COLLET 1/2
CS066	ER32 COLLET 17/32
CS067	ER32 COLLET 9/16
CS068	ER32 COLLET 19/32
CS069	ER32 COLLET 5/8
CS070	ER32 COLLET 21/32
CS071	ER32 COLLET 11/16
CS072	ER32 COLLET 23/32
CS073	ER32 COLLET 3/4
CS074	ER32 COLLET 25/32
CS075	ER32 COLLET 13/16
CS076	ER40 COLLET 1/8
CS077	ER40 COLLET 5/32
CS078	ER40 COLLET 3/16
CS079	ER40 COLLET 7/32
CS080	ER40 COLLET 1/4
CS081	ER40 COLLET 9/32
CS082	ER40 COLLET 5/16
CS083	ER40 COLLET 11/32
CS084	ER40 COLLET 3/8
CS085	ER40 COLLET 13/32
CS086	ER40 COLLET 7/16
CS087	ER40 COLLET 15/32
CS088	ER40 COLLET 1/2
CS089	ER40 COLLET 17/32
CS090	ER40 COLLET 9/16
CS091	ER40 COLLET 19/32
CS092	ER40 COLLET 5/8
CS093	ER40 COLLET 21/32
CS094	ER40 COLLET 11/16
CS095	ER40 COLLET 23/32
CS096	ER40 COLLET 3/4
CS097	ER40 COLLET 25/32
CS098	ER40 COLLET 13/16

Order No.	Description
CS099	ER40 COLLET 27/32
CS100	ER40 COLLET 7/8
CS101	ER40 COLLET 29/32
CS102	ER40 COLLET 15/16
CS103	ER40 COLLET 31/32
CS104	ER40 COLLET 1
CS105	ER11 COLLET 1.0mm
CS106	ER11 COLLET 1.5mm
CS107	ER11 COLLET 2.0mm
CS108	ER11 COLLET 2.5mm
CS109	ER11 COLLET 3.0mm
CS110	ER11 COLLET 3.5mm
CS111	ER11 COLLET 4.0mm
CS112	ER11 COLLET 4.5mm
CS113	ER11 COLLET 5.0mm
CS114	ER11 COLLET 5.5mm
CS115	ER11 COLLET 6.0mm
CS116	ER11 COLLET 6.5mm
CS117	ER11 COLLET 7.0mm
CS118	ER16 COLLET 1.0mm
CS119	ER16 COLLET 1.5mm
CS120	ER16 COLLET 2.0mm
CS121	ER16 COLLET 2.5mm
CS122	ER16 COLLET 3.0mm
CS123	ER16 COLLET 3.5mm
CS124	ER16 COLLET 4.0mm
CS125	ER16 COLLET 4.5mm
CS126	ER16 COLLET 5.0mm
CS127	ER16 COLLET 5.5mm
CS128	ER16 COLLET 6.0mm
CS129	ER16 COLLET 6.5mm
CS130	ER16 COLLET 7.0mm
CS131	ER16 COLLET 7.5mm
CS132	ER16 COLLET 8.0mm
CS133	ER16 COLLET 8.5mm
CS134	ER16 COLLET 9.0mm
CS135	ER16 COLLET 9.5mm
CS136	ER16 COLLET 10.0mm
CS137	ER20 COLLET 1.0mm
CS138	ER20 COLLET 2.0mm
CS139	ER20 COLLET 3.0mm
CS140	ER20 COLLET 4.0mm
CS141	ER20 COLLET 5.0mm
CS142	ER20 COLLET 6.0mm
CS143	ER20 COLLET 7.0mm
CS144	ER20 COLLET 8.0mm
CS145	ER20 COLLET 9.0mm
CS146	ER20 COLLET 10.0mm
CS147	ER20 COLLET 11.0mm

ER Collets

- Precision collets
- Collet accuracy: 0.0003" - 0.0004" T.I.R.
- (0.008mm - 0.010mm)
- Wide clamping ranges: 0.02" - 0.039" collapsibility
- Made of high-quality steel



Order No.	Description
CS148	ER20 COLLET 12.0mm
CS149	ER20 COLLET 13.0mm
CS150	ER25 COLLET 2.0mm
CS151	ER25 COLLET 3.0mm
CS152	ER25 COLLET 4.0mm
CS153	ER25 COLLET 5.0mm
CS154	ER25 COLLET 6.0mm
CS155	ER25 COLLET 7.0mm
CS156	ER25 COLLET 8.0mm
CS157	ER25 COLLET 9.0mm
CS158	ER25 COLLET 10.0mm
CS159	ER25 COLLET 11.0mm
CS160	ER25 COLLET 12.0mm
CS161	ER25 COLLET 13.0mm
CS162	ER25 COLLET 14.0mm
CS163	ER25 COLLET 15.0mm
CS164	ER25 COLLET 16.0mm
CS165	ER32 COLLET 3.0mm
CS166	ER32 COLLET 4.0mm
CS167	ER32 COLLET 5.0mm
CS168	ER32 COLLET 6.0mm

Order No.	Description
CS169	ER32 COLLET 7.0mm
CS170	ER32 COLLET 8.0mm
CS171	ER32 COLLET 9.0mm
CS172	ER32 COLLET 10.0mm
CS173	ER32 COLLET 11.0mm
CS174	ER32 COLLET 12.0mm
CS175	ER32 COLLET 13.0mm
CS176	ER32 COLLET 14.0mm
CS177	ER32 COLLET 15.0mm
CS178	ER32 COLLET 16.0mm
CS179	ER32 COLLET 17.0mm
CS180	ER32 COLLET 18.0mm
CS181	ER32 COLLET 19.0mm
CS182	ER32 COLLET 20.0mm
CS183	ER40 COLLET 4.0mm
CS184	ER40 COLLET 5.0mm
CS185	ER40 COLLET 6.0mm
CS186	ER40 COLLET 7.0mm
CS187	ER40 COLLET 8.0mm
CS188	ER40 COLLET 9.0mm
CS189	ER40 COLLET 10.0mm

Order No.	Description
CS190	ER40 COLLET 11.0mm
CS191	ER40 COLLET 12.0mm
CS192	ER40 COLLET 13.0mm
CS193	ER40 COLLET 14.0mm
CS194	ER40 COLLET 15.0mm
CS195	ER40 COLLET 16.0mm
CS196	ER40 COLLET 17.0mm
CS197	ER40 COLLET 18.0mm
CS198	ER40 COLLET 19.0mm
CS199	ER40 COLLET 20.0mm
CS200	ER40 COLLET 21.0mm
CS201	ER40 COLLET 22.0mm
CS202	ER40 COLLET 23.0mm
CS203	ER40 COLLET 24.0mm
CS204	ER40 COLLET 25.0mm
CS205	ER40 COLLET 26.0mm



Inch

Order No.		Number of Pieces	Increments	Set Includes
CS206	ER11	7	1/32"	16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4"
CS208	ER16	12	1/32"	1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32"
CS210	ER20	8	1/16"	3/32", 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"
CS212	ER25	10	1/16"	3/32", 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
CS214	ER32	12	1/16"	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
CS216	ER40	15	1/16"	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

Order No.		Number of Pieces	Increments	Set Includes
CS207	ER11	13	.50mm	1mm, 1.5mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 6.5mm, 7mm
CS209	ER16	10	1.0mm	1mm, 2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm
CS211	ER20	12	1.0mm	2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm
CS213	ER25	15	1.0mm	2mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm
CS215	ER32	18	1.0mm	3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm
CS217	ER40	23	1.0mm	4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 25mm, 26mm

ER Collets

Ultra-Precision

(0.0002" T.I.R.)



- Ultra-precision collets
- Collet accuracy: 0.0002"
- (0.005mm-5 microns)
- Wide clamping ranges: 0.02"-0.039" collapsibility
- Made of high-quality steel

Order No.	Description
CP001	ER16 COLLETS 1/16
CP002	ER16 COLLETS 3/32
CP003	ER16 COLLETS 1/8
CP004	ER16 COLLETS 5/32
CP005	ER16 COLLETS 3/16
CP006	ER16 COLLETS 7/32
CP007	ER16 COLLETS 1/4
CP008	ER16 COLLETS 9/32
CP009	ER16 COLLETS 5/16
CP010	ER16 COLLETS 11/32
CP011	ER16 COLLETS 3/8
CP012	ER16 COLLETS 13/32
CP013	ER20 COLLETS 3/32
CP014	ER20 COLLETS 1/8
CP015	ER20 COLLETS 5/32
CP016	ER20 COLLETS 3/16
CP017	ER20 COLLET 7/32
CP018	ER20 COLLETS 1/4
CP019	ER20 COLLET 9/32
CP020	ER20 COLLETS 5/16
CP021	ER20 COLLET 11/32
CP022	ER20 COLLETS 3/8
CP023	ER20 COLLET 13/32
CP024	ER20 COLLETS 7/16
CP025	ER20 COLLET 15/32
CP026	ER20 COLLETS 1/2
CP027	ER25 COLLET 1/16
CP028	ER25 COLLET 3/32
CP029	ER25 COLLETS 1/8
CP030	ER25 COLLET 5/32
CP031	ER25 COLLETS 3/16
CP032	ER25 COLLET 7/32
CP033	ER25 COLLETS 1/4
CP034	ER25 COLLET 9/32

Order No.	Description
CP035	ER25 COLLETS 5/16
CP036	ER25 COLLETS 11/32
CP037	ER25 COLLETS 3/8
CP038	ER25 COLLETS 13/32
CP039	ER25 COLLETS 7/16
CP040	ER25 COLLETS 15/32
CP041	ER25 COLLETS 1/2
CP042	ER25 COLLETS 17/32
CP043	ER25 COLLETS 9/16
CP044	ER25 COLLETS 19/32
CP045	ER25 COLLETS 5/8
CP046	ER32 COLLETS 1/8
CP047	ER32 COLLETS 5/32
CP048	ER32 COLLETS 3/16
CP049	ER32 COLLETS 7/32
CP050	ER32 COLLETS 1/4
CP051	ER32 COLLETS 9/32
CP052	ER32 COLLETS 5/16
CP053	ER32 COLLETS 11/32
CP054	ER32 COLLETS 3/8
CP055	ER32 COLLETS 13/32
CP056	ER32 COLLETS 7/16
CP057	ER32 COLLETS 15/32
CP058	ER32 COLLETS 1/2
CP059	ER32 COLLETS 17/32
CP060	ER32 COLLETS 9/16
CP061	ER32 COLLETS 19/32
CP062	ER32 COLLETS 5/8
CP063	ER32 COLLETS 21/32
CP064	ER32 COLLETS 11/16
CP065	ER32 COLLETS 23/32
CP066	ER32 COLLETS 3/4
CP067	ER32 COLLET 25/32
CP068	ER32 COLLET 13/16

Order No.	Description
CP069	ER40 COLLETS 1/8
CP070	ER40 COLLETS 5/32
CP071	ER40 COLLETS 3/16
CP072	ER40 COLLETS 7/32
CP073	ER40 COLLETS 1/4
CP074	ER40 COLLETS 9/32
CP075	ER40 COLLETS 5/16
CP076	ER40 COLLETS 11/32
CP077	ER40 COLLETS 3/8
CP078	ER40 COLLETS 13/32
CP079	ER40 COLLETS 7/16
CP080	ER40 COLLETS 15/32
CP081	ER40 COLLETS 1/2
CP082	ER40 COLLETS 17/32
CP083	ER40 COLLETS 9/16
CP084	ER40 COLLETS 19/32
CP085	ER40 COLLETS 5/8
CP086	ER40 COLLETS 21/32
CP087	ER40 COLLETS 11/16
CP088	ER40 COLLETS 23/32
CP089	ER40 COLLETS 3/4
CP090	ER40 COLLETS 25/32
CP091	ER40 COLLETS 13/16
CP092	ER40 COLLETS 27/32
CP093	ER40 COLLETS 7/8
CP094	ER40 COLLETS 29/32
CP095	ER40 COLLETS 15/16
CP096	ER40 COLLETS 31/32
CP097	ER40 COLLETS 1



Inch

Order No.		Number of Pieces	Increments	Set Includes
CP098	ER11	12	1/32"	1/16, 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32"
CP099	ER16	8	1/16"	3/32", 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"
CP100	ER25	10	1/16"	3/32", 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
CP101	ER32	12	1/16"	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
CP102	ER40	15	1/16"	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"

ER Rigid Tap Collets



- "Slotted" ER tap collets are designed to clamp both the round and the square shank on the tap, providing greater rigidity and better tapping performance

- Collet accuracy: 0.0004" T.I.R. (0.010 mm)
- Special design locks tap square in slots
- Tap Shanks ASME B94.9-1999
- Collet holes made for tool shanks with h6 tolerance
- Collets do not "collapse" to the same degree as standard ER collets

Order No.	Description
CT001	NO. 6 ER16
CT002	NO. 8 ER16
CT003	NO. 10 ER16
CT004	NO. 12 ER16
CT005	1/4" ER16
CT006	NO. 6 ER20
CT007	NO. 8 ER20
CT008	NO. 10 ER20
CT009	NO. 12 ER20
CT010	1/4" ER20
CT011	5/16" ER20
CT012	3/8" ER20
CT013	7/16" ER20
CT014	1/2" ER20
CT015	NO. 6 ER25
CT016	NO. 8 ER25
CT017	NO. 10 ER25
CT018	NO. 12 ER25
CT019	1/8" NPT ER25
CT020	1/4" ER25
CT021	5/16" ER25
CT022	3/8" ER25
CT023	7/16" ER25

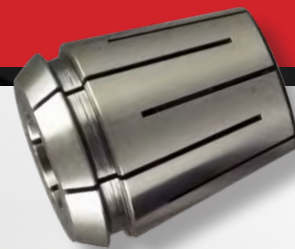
Order No.	Description
CT024	1/2" ER25
CT025	9/16" ER25
CT026	5/8" ER25
CT027	NO. 6 ER32
CT028	NO. 8 ER32
CT029	NO. 10 ER32
CT030	NO. 12 ER32
CT031	1/8" NPT ER32
CT032	1/4" NPT ER32
CT033	1/4" ER32
CT034	5/16" ER32
CT035	3/8" ER32
CT036	7/16" ER32
CT037	1/2" ER32
CT038	9/16" ER32
CT039	5/8" ER32
CT040	11/16" ER32
CT041	3/4" ER32
CT042	13/16" ER32
CT043	NO. 6 ER40
CT044	NO. 8 ER40
CT045	NO. 10 ER40
CT046	NO. 12 ER40

Order No.	Description
CT047	1/8" NPT ER40
CT048	1/4" NPT ER40
CT049	1/4" ER40
CT050	5/16" ER40
CT051	3/8" NPT ER40
CT052	3/8" ER40
CT053	7/16" ER40
CT054	1/2" NPT ER40
CT055	1/2" ER40
CT056	9/16" ER40
CT057	5/8" ER40
CT058	11/16" ER40
CT059	3/4" ER40
CT060	13/16" ER40
CT061	7/8" ER40
CT062	15/16" ER40
CT063	1" ER40



ER Collets

Steel Sealed



- Collet accuracy: 0.0003" - 0.0004" T.I.R. (0.008mm - 0.010mm)
- For optimal collet performance, use tools with shank diameter equal to the collect nominal size
- Coolant allowable pressure: 1,500 PSI
- Wide clamping ranges: 0.02" - 0.039"
- Made of high-quality steel

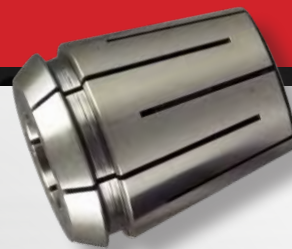
Order No.	Description
CSS01	ER16 1/8"
CSS02	ER16 5/32"
CSS03	ER16 3/16"
CSS04	ER16 7/32"
CSS05	ER16 1/4"
CSS06	ER16 9/32"
CSS07	ER16 5/16"
CSS08	ER16 11/32"
CSS09	ER16 3/8"
CSS10	ER16 13/32"
CSS26	ER20 1/8"
CSS27	ER20 5/32"
CSS28	ER20 3/16"
CSS29	ER20 7/32"
CSS30	ER20 1/4"
CSS31	ER20 9/32"
CSS32	ER20 5/16"
CSS33	ER20 11/32"
CSS34	ER20 3/8"
CSS35	ER20 13/32"
CSS36	ER20 7/16"
CSS37	ER20 15/32"
CSS38	ER20 1/2"
CSS50	ER25 1/8"
CSS51	ER25 5/32"
CSS52	ER25 3/16"
CSS53	ER25 7/32"
CSS54	ER25 1/4"
CSS55	ER25 9/32"
CSS56	ER25 5/16"
CSS57	ER25 11/32"
CSS58	ER25 3/8"
CSS59	ER25 13/32"
CSS60	ER25 7/16"
CSS61	ER25 15/32"
CSS62	ER25 1/2"
CSS63	ER25 17/32"
CSS64	ER25 9/16"
CSS65	ER25 19/32"
CSS66	ER25 5/8"
CSS81	ER32 1/8"
CSS82	ER32 5/32"
CSS83	ER32 3/16"
CSS84	ER32 7/32"
CSS85	ER32 1/4"
CSS86	ER32 9/32"

Order No.	Description
CSS87	ER32 5/16"
CSS88	ER32 11/32"
CSS89	ER32 3/8"
CSS90	ER32 13/32"
CSS91	ER32 7/16"
CSS92	ER32 15/32"
CSS93	ER32 1/2"
CSS94	ER32 17/32"
CSS95	ER32 9/16"
CSS96	ER32 19/32"
CSS97	ER32 5/8"
CSS98	ER32 21/32"
CSS99	ER32 11/16"
CSS100	ER32 23/32"
CSS101	ER32 3/4"
CSS102	ER32 25/32"
CSS103	ER32 13/16"
CSS122	ER40 1/8"
CSS123	ER40 5/32"
CSS124	ER40 3/16"
CSS125	ER40 7/32"
CSS126	ER40 1/4"
CSS127	ER40 9/32"
CSS128	ER40 5/16"
CSS129	ER40 11/32"
CSS130	ER40 3/8"
CSS131	ER40 13/32"
CSS132	ER40 7/16"
CSS133	ER40 15/32"
CSS134	ER40 1/2"
CSS135	ER40 17/32"
CSS136	ER40 9/16"
CSS137	ER40 19/32"
CSS138	ER40 5/8"
CSS139	ER40 21/32"
CSS140	ER40 11/16"
CSS141	ER40 23/32"
CSS142	ER40 3/4"
CSS143	ER40 25/32"
CSS144	ER40 13/16"
CSS145	ER40 27/32"
CSS146	ER40 7/8"
CSS147	ER40 29/32"
CSS148	ER40 15/16"
CSS149	ER40 31/32"
CSS150	ER40 1"

Order No.	Description
CSS11	ER16 3.0mm
CSS12	ER16 3.5mm
CSS13	ER16 4.0mm
CSS14	ER16 4.5mm
CSS15	ER16 5.0mm
CSS16	ER16 5.5mm
CSS17	ER16 6.0mm
CSS18	ER16 6.5mm
CSS19	ER16 7.0mm
CSS20	ER16 7.5mm
CSS21	ER16 8.0mm
CSS22	ER16 8.5mm
CSS23	ER16 9.0mm
CSS24	ER16 9.5mm
CSS25	ER16 10.0mm
CSS39	ER20 3mm
CSS40	ER20 4mm
CSS41	ER20 5mm
CSS42	ER20 6mm
CSS43	ER20 7mm
CSS44	ER20 8mm
CSS45	ER20 9mm
CSS46	ER20 10mm
CSS47	ER20 11mm
CSS48	ER20 12mm
CSS49	ER20 13mm
CSS67	ER25 3mm
CSS68	ER25 4mm
CSS69	ER25 5mm
CSS70	ER25 6mm
CSS71	ER25 7mm
CSS72	ER25 8mm
CSS73	ER25 9mm
CSS74	ER25 10mm
CSS75	ER25 11mm
CSS76	ER25 12mm
CSS77	ER25 13mm
CSS78	ER25 14mm
CSS79	ER25 15mm
CSS80	ER25 16mm
CSS104	ER32 3mm
CSS105	ER32 4mm
CSS106	ER32 5mm
CSS107	ER32 6mm
CSS108	ER32 7mm

ER Collets

Steel Sealed



- Collet accuracy: 0.0003"-0.0004" T.I.R. (0.008mm - 0.010mm)
- For optimal collet performance, use tools with shank diameter equal to the collet nominal size
- Coolant allowable pressure: 1,500 PSI
- Wide clamping ranges: 0.02"-0.039"
- Made of high-quality steel

Order No.	Description
CSS109	ER32 8mm
CSS110	ER32 9mm
CSS111	ER32 10mm
CSS112	ER32 11mm
CSS113	ER32 12mm
CSS114	ER32 13mm
CSS115	ER32 14mm
CSS116	ER32 15mm
CSS117	ER32 16mm
CSS118	ER32 17mm
CSS119	ER32 18mm
CSS120	ER32 19mm

Order No.	Description
CSS121	ER32 20mm
CSS151	ER40 4mm
CSS152	ER40 5mm
CSS153	ER40 6mm
CSS154	ER40 7mm
CSS155	ER40 8mm
CSS156	ER40 9mm
CSS157	ER40 10mm
CSS158	ER40 11mm
CSS159	ER40 12mm
CSS160	ER40 13mm
CSS161	ER40 14mm
CSS162	ER40 15mm

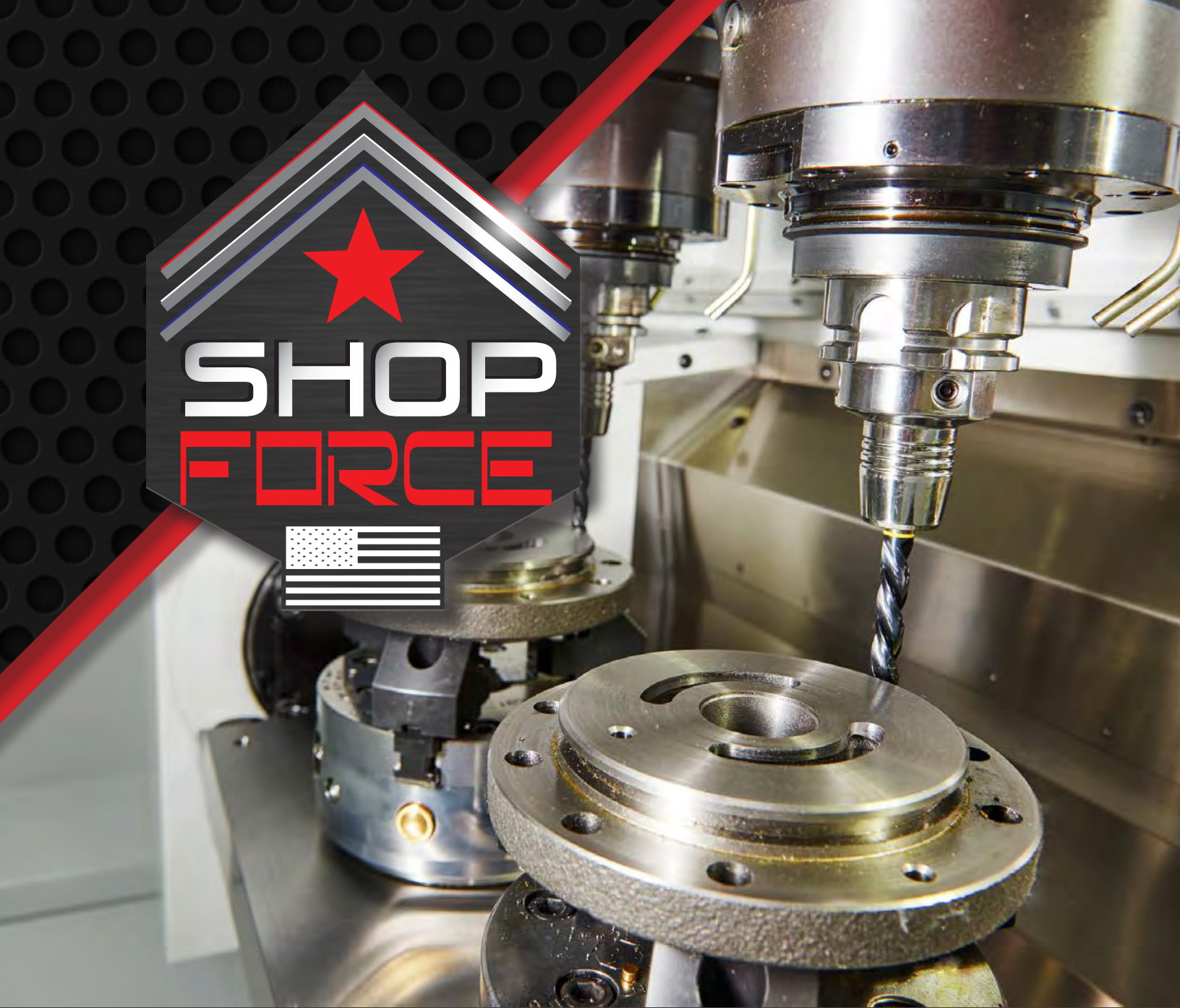
Order No.	Description
CSS163	ER40 16mm
CSS164	ER40 17mm
CSS165	ER40 18mm
CSS166	ER40 19mm
CSS167	ER40 20mm
CSS168	ER40 21mm
CSS169	ER40 22mm
CSS170	ER40 23mm
CSS171	ER40 24mm
CSS172	ER40 25mm
CSS173	ER40 26mm

Inch

Order No.		Number of Pieces	Increments	Set Includes
CSS174	ER16	10	1/32"	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32"
CSS175	ER20	7	1/16"	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"
CSS176	ER25	9	1/16"	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
CSS177	ER32	12	1/16"	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
CSS178	ER32	18	1/32"	7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 17/32", 9/16", 19/32", 5/8", 21/32", 11/16", 23/32", 3/4"
CSS179	ER40	15	1/16"	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

Order No.		Number of Pieces	Increments	Set Includes
CSS180	ER16	8	1.00 mm	3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm
CSS181	ER20	11	1.00 mm	3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm,
CSS182	ER25	14	1.00 mm	3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm
CSS183	ER32	18	1.00 mm	3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm
CSS184	ER40	23	1.00 mm	4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 25mm, 26mm



VETERAN
OWNED AND OPERATED