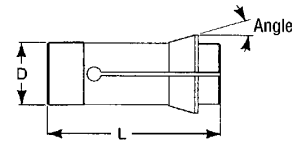
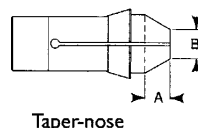
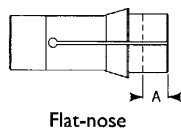


These Swiss-type Collets are ground to precise size and TIR to meet precision machining requirements with a standard accuracy that rivals the industry.



Machine Tool Builder	Collet Model No.	Cat. No.	Head Angle	Bearing Diameter	Overall Length	RATED COLLET CAPACITY			
						Round Smooth Min./Max.	Round Serrated Min./Max.	Hex Min./Max.	Square Min./Max.
Tsugami	BS38	4735	15° 15'	1.889" (47.98)	3.937" (100)	.008" to 1.562" (.20 to 39.67)	-	.250" to 1.344" (6.35 to 34.14)	.250" to 1.093" (6.35 to 27.76)
Tornos	F20-201	4709	15°	.7864" (19.99)	2.126" (54)	.008" to .499" * (.20 to 12.67)	.500" to .630" * (12.70 to 16.00)	.0625" to .545" (1.58 to 13.84)	.0625" to .445" (1.58 to 11.30)
Maier	F32-221	3731	15°	1.260" (32)	2.953" (75)	.200" to 1.062" (5.08 to 26.98)	-	.250" to .813" (6.35 to 20.65)	.250" to .750" (6.35 to 19.05)
Peterman, Strohm, Tornos, Tsugami, Citizen	TF8	4701	15° 35'	.3148" (8)	1.614" (41)	.008" to .250" (.20 to 6.35)	-	.0625" to .216" (1.58 to 5.49)	.0625" to .176" (1.58 to 4.47)
Peterman, Strohm, Tornos, Citizen, Star	TF10	4703	20°	.3935" (10)	1.870" (48)	.008" to .281" (.20 to 7.14)	-	.0625" to .243" (1.58 to 6.17)	.0625" to .198" (1.58 to 5.03)
Tornos	TF13	4707	16°	.5115" (13)	2.520" (64)	.008" to .394" (.20 to 10.01)	-	.0625" to .341" (1.58 to 8.66)	.0625" to .279" (1.58 to 7.09)
Citizen, Maier, Star, Tornos, Tsugami	TF15	4607	16°	.5903" (15)	2.520" (64)	.008" to .499" * (.20 to 12.67)	1/2" Only * (12.7)	.0625" to .433" (1.58 to 10.99)	.0625" to .353" (1.58 to 8.96)
Citizen, KSI, Hanwha, Tornos	TF16	4609	16°	.6297" (16)	2.520" (64)	.008" to .499" * (.20 to 12.67)	1/2" Only * (12.7)	.0625" to .433" (1.58 to 10.99)	.0625" to .353" (1.58 to 8.96)
Maier, Star, Tornos, Tsugami, Traub	TF20	4611	16°	.7869" (19.99)	2.638" (67)	.008" to .499" * (.20 to 12.67)	.500" to .625" * (12.70 to 15.87)	.0625" to .541" (1.58 to 13.74)	.0625" to .442" (1.58 to 11.22)
Tsugami	TF24	4713	15° 20'	.9367" (23.79)	2.440" (62)	.008" to .499" * (.20 to 12.67)	.500" to .688" * (12.70 to 17.48)	.0625" to .595" (1.58 to 15.11)	.0625" to .486" (1.58 to 12.34)
Citizen, Hanwha, Hardinge, KSI, Maier, Star, Tornos, Tsugami, Methods	TF25	4613	16°	.9840" (25)	3.032" (77)	.008" to .499" * (.20 to 12.67)	.500" to .813" * (12.70 to 20.65)	.0625" to .704" (1.58 to 17.88)	.0625" to .574" (1.58 to 14.57)
Citizen, Hanwha, Hardinge, Star, Tornos, Tsugami, Methods	TF30	4615	16°	1.1808" (30)	3.149" (80)	.008" to .499" * (.20 to 12.67)	.500" to 1" * (12.70 to 25.40)	.093" to .866" (2.36 to 21.99)	.093" to .707" (2.36 to 17.95)
Star, Tornos	TF34	4617	16°	1.3382" (34)	3.154" (80.11)	.008" to .499" * (.20 to 12.67)	.500" to 1.125" * (12.70 to 28.57)	.093" to .974" (2.36 to 24.73)	.093" to .795" (2.36 to 20.19)
Citizen, Hanwha, KSI, Maier, Star, Tornos, Tsugami, Methods	TF37	4619	16°	1.4563" (37)	3.622" (92)	.008" to .499" * (.20 to 12.67)	.500" to 1.265" * (12.70 to 32.13)	.093" to 1.095" (2.36 to 27.81)	.093" to .895" (2.36 to 22.73)
Citizen	TF37SP	4629	16° 7'	1.456" (36.98)	3.622" (92)	.008" to 1.250" (.20 to 31.75)	-	.093" to 1.082" (2.36 to 27.48)	.093" to .883" (2.36 to 22.43)
Tsugami	TF43	4737	16°	1.693" (43)	3.622" (92)	.008" to 1.496" (.20 - 38.00)	-	.250" to 1.296" (6.35 to 32.92)	.250" to 1.058" (6.35 to 26.87)
KSI	TF44	OA	16.5°	1.732" (44)	3.622" (92)	.200" to 1.490" (5.08 to 37.85)	-	.250" to 1.250" (6.35 to 31.75)	.250" to .875" (6.35 to 22.23)
Star	TF48 same as B42	3719	14° 50'	1.889" (48)	3.688" (94)	.008" to .499" * (.20 to 12.67)	.500" to 1.657" ** (12.70 to 42.09)	1/32" to 1-13/32" (.79 to 35.71)	1/32" to 15/32" (.79 to 29.36)
Tornos	161	4711	15°	1.1808" (30)	2.560" (65)	.008" to .499" * (.20 to 12.67)	.500" to 1.000" * (12.70 to 25.40)	.093" to .866" (2.36 to 22.00)	.093" to .707" (2.36 to 17.96)
Hardinge	166	4677	15°	1.259" (32)	2.559" (65)	.008" to .499" * (.20 to 12.67)	.500" to 1.125" * (12.70 to 28.57)	.250" to .969" (6.35 to 24.61)	.250" to .797" (6.35 to 20.24)
Hardinge	S16-HMS	4621	15° 40'	.9372" (24)	2.441" (62)	.008" to .686" (.20 to 17.47)	-	.0625" to .595" (1.58 to 15.11)	.0625" to .486" (1.58 to 12.34)
Hardinge	S20-HM	4623	16°	1.1021" (28)	3.032" (77)	.008" to .499" * (.20 to 12.67)	.500" to .813" * (12.70 to 20.65)	.0625" to .704" (3.17 to 17.88)	.0625" to .574" (3.17 to 14.57)
Hardinge	S25-HM	4625	16°	1.2989" (33)	3.149" (80)	.008" to .499" * (.20 to 12.67)	.500" to 1.031" * (12.70 to 26.19)	.093" to .892" (2.36 to 22.65)	.093" to .729" (2.36 to 18.51)
Hardinge	S25-HS	4627	16°	1.1808" (30)	3.149" (80)	.008" to 1" (.20 to 25.4)	-	.093" to .866" (2.36 to 21.99)	.093" to .707" (2.36 to 17.95)

* Round collets in sizes of .500" and over have circular serrations. **TF48 collets in sizes of .500" and over have square serrations. Millimeters in parentheses ()



Extended-Nose Collets feature added nose length, flat or tapered, for doing pick-off work or to compensate for tooling interferences. Please provide collet model (above), hole size, length of extension (A) required, and nose diameter (B) when ordering. The (B) dimension must be a minimum of .125" larger than the hole size.