



TOOLING SYSTEMS

TOOLING SYSTEMS



Erickson™ • TG Single-Angle Collets

TG — Tremendous Grip Collets are manufactured according to the original Erickson standard and developed to utilize the full power available from the modern machine tool. A slow taper (8° inclusive angle) is used to produce maximum wedge action as the collet is forced back into the chuck body from the actuating locknut. From all the Collets WIDIA™ offers, the TG system is superior on grip, versatile in applications, and the most accurate. They are ideal for end milling, drilling, tapping, reaming, and boring solutions and available in a variety of styles, TG50, TG75, TG100, and TG150, with clamping ranges from 0,5–40mm (.0197–1.5000").

ERICKSON

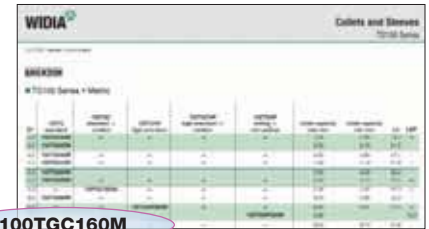

TG Collets

- Original Erickson standard.
- Slow 8° inclusive angle taper for best grip (approximately 3:1).
- Standard design accuracy to DIN 6499 Class 2 accuracy.
- HP design accuracy to DIN 6499 Class 1 accuracy.
- Bonded style available for through-coolant applications.
- Non-pullout style to captivate Weldon®-style end mills.
- Dedicated versions for tapping — driving off the square of the tap.



8° inclusive angle.

- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



ERICKSON



TG • Tremendous Grip

- Provides Tremendous Grip and accuracy for all drilling applications.
- 0,4mm [.016" (1/64)] range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy.

ERICKSON



TGC • Tremendous Grip Coolant

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Suitable for coolant pressure up to 100 bar (1500 psi).
- Unique design features permit easy entry into nosepiece.
- Available from stock in all popular sizes.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.
- Design enables flutes of drills to enter collet, unlike competitive designs.

ERICKSON



TGHP • Tremendous Grip High Precision

- Twice as accurate as standard TG- and ER-style collets.
- Available from stock in all popular sizes.
- Can be used in all standard TG-style collet chucks.
- 0,25mm (.010") range of collapse.
- Manufactured to DIN 6499 Class 1 accuracy.

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TGCHP • Tremendous Grip Coolant High Precision

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Suitable for coolant pressure up to 100 bar (1500 psi).
- Unique design features permit easy entry into nosepiece.
- Available from stock in all popular sizes.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.
- Manufactured to DIN 6499 Class 1 accuracy.

ERICKSON



TGNP • Tremendous Grip Non-Pullout, Weldon® Style

- Positive retention and drive provided by drive wedge in collet.
- Eliminates inaccuracy created by solid end mill holders.
- 0,13mm (.005") range of collapse.
- Fits all standard TG-style collet chucks.

ERICKSON



TGST • Tremendous Grip Single-Angle Tap Collet

- Designed to grip the tap on the shank and square.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.

ERICKSON



TGSTC • Tremendous Grip Single-Angle Tap Collet, Coolant Style

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Suitable for coolant pressure up to 70 bar (1000 psi).
- Designed to grip the tap on the shank and square.
- Fits all standard TG-style collet chucks.
- 0,13mm (.005") range of collapse.

ERICKSON



WIN WITH WIDIATM



VariMill IITM Solid Carbide End Mills

The next generation high-performance end mill, VariMill II dramatically improves metal removal rates without reducing tool life.

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- Best suited for applications in the aerospace, medical, die and mold, automotive, and general engineering markets.
- Outstanding performance in stainless steel, titanium, INCONEL®, and other high-temperature alloys and steels.
- Increased metal removal rates in roughing and finishing operations.
- Excellent performance in both slotting and profiling operations.

To learn more about our innovations, contact your local Authorized Distributor or visit www.widia.com.

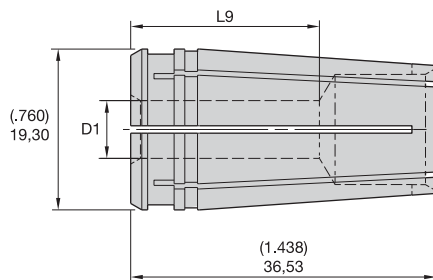
WIDIA 

Collets and Sleeves

TG50 Series



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 50TG 0,4mm [.016" (1/64)] range of collapse.
- 50TGC and 50TGCHP 0,13mm (.005") range of collapse.
- 50TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



ERICKSON™

■ TG50 Series • Metric

D1	50TG standard	50TGC standard – coolant	50TGHP high precision	50TGCHP high precision – coolant	collet capacity max mm	collet capacity min mm	L9
1,5	50TG015M	—	—	—	1,50	1,10	11,9
2,0	50TG020M	—	—	—	2,00	1,60	12,0
2,5	50TG025M	—	—	—	2,50	2,10	18,0
3,0	50TG030M	—	—	—	3,00	2,60	18,2
3,5	50TG035M	—	—	—	3,50	3,10	18,4
4,0	50TG040M	—	—	—	4,00	3,60	21,7
4,0	—	—	50TGHP040M	—	4,00	3,75	21,7
4,5	50TG045M	—	—	—	4,50	4,10	21,9
5,0	50TG050M	—	—	—	5,00	4,60	22,0
5,5	50TG055M	—	—	—	5,50	5,10	22,2
6,0	—	—	50TGHP060M	—	6,00	5,75	22,3
6,0	50TG060M	—	—	—	6,00	5,60	22,3
6,0	—	50TGC060M	—	—	6,00	5,87	22,3
6,0	—	—	—	50TGCHP060M	5,90	5,87	22,4
6,5	50TG065M	—	—	—	6,50	6,10	22,3
7,0	50TG070M	—	—	—	7,00	6,60	29,0

(continued)



(TG50 Series continued)

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max mm	collet capacity min mm	L9
7,5	50TG075M	—	—	—	7,50	7,10	29,1
8,0	—	50TGC080M	—	—	8,00	7,87	22,9
8,0	—	—	—	50TGCHP080M	7,90	7,87	23,0
8,0	50TG080M	—	—	—	8,00	7,60	29,3
8,0	—	—	50TGHP080M	—	8,00	7,75	29,4
8,5	50TG085M	—	—	—	8,50	8,10	29,4
9,0	50TG090M	—	—	—	9,00	8,60	29,6
9,5	50TG095M	—	—	—	9,50	9,10	29,9
10,0	—	50TGC100M	—	—	10,00	9,87	30,0
10,0	—	—	—	50TGCHP100M	9,90	9,87	30,0
10,0	—	—	50TGHP100M	—	10,00	9,75	30,0
10,0	50TG100M	—	—	—	10,00	9,60	30,0
10,5	50TG105M	—	—	—	10,50	10,10	30,2
11,0	50TG110M	—	—	—	11,00	10,60	30,3
11,5	50TG115M	—	—	—	11,50	11,10	30,5
12,0	—	50TGC120M	—	—	12,00	11,87	30,3
12,0	50TG120M	—	—	—	12,00	11,60	30,6
12,0	—	—	—	50TGCHP120M	11,90	11,87	30,6
12,0	—	—	50TGHP120M	—	12,00	11,75	30,6
12,5	50TG125M	—	—	—	12,50	12,10	30,8
13,0	50TG130M	—	—	—	13,00	12,60	30,9
13,5	50TG135M	—	—	—	13,50	13,10	36,5

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.

Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.

Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.

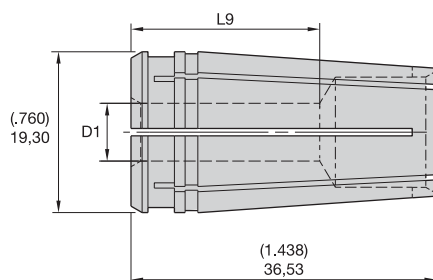
Never try to stretch the collets by clamping oversized cutting tools.

Collets and Sleeves

TG50 Series



- Rubber-filled slots seal collet for coolant-fed tool applications.
- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 0,13mm (.005") range of collapse.
- 50TG 0,4mm [.016" (1/64)] range of collapse.
- 50TGTC and 50TGCHP 0,13mm (.005") range of collapse.
- 50TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



ERICKSON™

■ TG50 Series • Inch

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max inch	collet capacity min inch	L9
3/64	50TG0047	—	—	—	.0470	.0313	.465
1/16	50TG0062	—	—	—	.0625	.0469	.470
5/64	50TG0078	—	—	—	.0780	.0625	.475
3/32	50TG0094	—	—	—	.0940	.0781	.710
7/64	50TG0109	—	—	—	.1090	.0938	.715
1/8	—	—	50TGHP0125	—	.1250	.1150	.719
1/8	50TG0125	—	—	—	.1250	.1094	.720
1/8	—	—	—	50TGCHP0125	.1250	.1200	.847
9/64	—	50TGC0141	—	—	.1406	.1356	.852
9/64	50TG0141	—	—	—	.1410	.1250	.725
5/32	50TG0156	—	—	—	.1560	.1406	.855
5/32	—	50TGC0156	—	—	.1563	.1513	.857

(continued)



(TG50 Series continued)

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max inch	collet capacity min inch	L9
11/64	—	50TGC0172	—	—	.1719	.1669	.861
11/64	50TG0172	—	—	—	.1720	.1563	.860
3/16	—	—	50TGHP0188	—	.1875	.1775	.865
3/16	—	50TGC0188	—	50TGCHP0188	.1875	.1825	.866
3/16	50TG0188	—	—	—	.1880	.1719	.865
13/64	50TG0203	—	—	—	.2030	.1875	.870
13/64	—	50TGC0203	—	—	.2031	.1981	.871
7/32	—	50TGC0219	—	—	.2188	.2138	.876
7/32	50TG0219	—	—	—	.2190	.2031	.875
15/64	50TG0234	—	—	—	.2340	.2188	.880
1/4	—	50TGC0250	—	50TGCHP0250	.2500	.2450	.885
1/4	—	—	50TGHP0250	—	.2500	.2400	1.139
1/4	50TG0250	—	—	—	.2500	.2344	1.139
17/64	—	50TGC0266	—	—	.2656	.2606	.890
17/64	50TG0266	—	—	—	.2660	.2500	1.144
9/32	50TG0281	—	—	—	.2810	.2656	1.148
9/32	—	50TGC0281	—	—	.2813	.2763	.894
19/64	50TG0297	—	—	—	.2970	.2813	1.153
5/16	50TG0312	—	—	—	.3120	.2969	1.158
5/16	—	50TGC0312	—	50TGCHP0312	.3125	.3075	.904
5/16	—	—	50TGHP0312	—	.3125	.3025	1.158
21/64	50TG0328	—	—	—	.3280	.3125	1.163
21/64	—	50TGC0328	—	—	.3281	.3231	.908
11/32	—	50TGC0344	—	—	.3438	.3388	.913
11/32	50TG0344	—	—	—	.3440	.3281	1.167
23/64	50TG0359	—	—	—	.3590	.3438	1.172
23/64	—	50TGC0359	—	—	.3594	.3544	.918
3/8	—	50TGC0375	—	50TGCHP0375	.3750	.3700	.922
3/8	50TG0375	—	—	—	.3750	.3594	1.177
3/8	—	—	50TGHP0375	—	.3750	.3650	1.177
25/64	—	50TGC0391	—	—	.3906	.3856	1.182
25/64	50TG0391	—	—	—	.3910	.3750	1.181
13/32	50TG0406	—	—	—	.4060	.3906	1.186
13/32	—	50TGC0406	—	—	.4063	.4013	1.187
27/64	—	50TGC0422	—	—	.4219	.4169	1.192
27/64	50TG0422	—	—	—	.4220	.4063	1.191
7/16	—	—	50TGHP0438	—	.4375	.4275	1.195
7/16	—	50TGC0438	—	50TGCHP0438	.4375	.4325	1.196
7/16	50TG0438	—	—	—	.4380	.4219	1.196
29/64	50TG0453	—	—	—	.4530	.4375	1.200

(continued)

(TG50 Series continued)

D1	50TG standard	50TGC standard — coolant	50TGHP high precision	50TGCHP high precision — coolant	collet capacity max inch	collet capacity min inch	L9
29/64	—	50TGC0453	—	—	.4531	.4481	1.201
15/32	50TG0469	—	—	—	.4680	.4531	1.205
15/32	—	50TGC0469	—	—	.4688	.4638	1.206
31/64	50TG0484	—	—	—	.4840	.4688	1.209
31/64	—	50TGC0484	—	—	.4844	.4794	1.210
1/2	—	—	50TGHP0500	—	.5000	.4900	1.214
1/2	50TG0500	—	—	—	.5000	.4844	1.214
1/2	—	50TGC0500	—	50TGCHP0500	.5000	.4950	1.215
33/64	—	50TGC0516	—	—	.5156	.5106	1.220
33/64	50TG0516	—	—	—	.5160	.5000	1.209
17/32	50TG0531	—	—	—	.5310	.5156	1.438
17/32	—	50TGC0531	—	—	.5313	.5263	1.438

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.

Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.

Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.

Never try to stretch the collets by clamping oversized cutting tools.

- An economical way to purchase a group of collets.



ERICKSON™

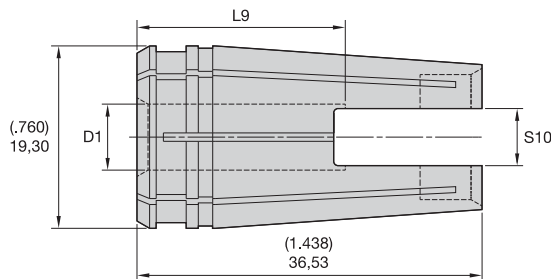
■ TG50 Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S50TG1SET	TG50	32	3/16 - 17/64	1/64
S50TG2SET	TG50	15	3/32 - 17/64	1/32

Collets and Sleeves

TG50 Single-Angle Solid Tap Collets

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for tapping applications.
- Slot in back of collets acts as a drive for the tap square.
- Industry-standard Erickson™ single-angle collet system.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



ERICKSON™

■ TG50 Solid Tap Collet • Metric DIN and ISO

tap size	50TGST solid tap — non-coolant	collet series	D1	S10	L9
M1 & M1,8 & M3 & M3,5	50TGST025021M	TG50	2,5	2,1	17,0
M2,5 & M4	50TGST028021M	TG50	2,8	2,1	17,0
M3 & M4	50TGST032025M	TG50	3,2	2,5	17,0
M3 & M5	50TGST035027M	TG50	3,5	2,7	17,0
M4 & M5	50TGST040032M	TG50	4,0	3,2	17,0
M4 & M6	50TGST045034M	TG50	4,5	3,4	17,0
M5	50TGST050040M	TG50	5,0	4,0	17,0
M5 & M6 & M7 & M8	50TGST060049M	TG50	6,0	4,9	17,0
M6	50TGST063050M	TG50	6,3	4,9	17,0
M10	50TGST070055M	TG50	7,0	5,5	17,0
M7	50TGST071056M	TG50	7,1	5,6	17,0
M8	50TGST080062M	TG50	8,0	6,2	17,0
M12	50TGST090070M	TG50	9,0	7,0	17,0
M10	50TGST100080M	TG50	10,0	8,0	17,0
M14	50TGST110090M	TG50	11,0	9,0	17,0
M16	50TGST120090M	TG50	12,0	9,0	17,0

(continued)

(TG50 Single-Angle Solid Tap Collets continued)

■ TG50 Solid Tap Collet • Inch/Metric ANSI

tap size		50TGST solid tap — non-coolant	50TGSTC solid tap — coolant	collet series	D1	S10	L9
mm	in						
M3 & M3,15 & M3,5	#0-#6 & 1/8	50TGST6	—	TG50	.141	.110	.775
M4	#8 & 5/32	50TGST8	—	TG50	.168	.131	.775
M4,5 & M5	#10 & 3/16	50TGST10	—	TG50	.194	.152	.900
—	#12 & 7/32	50TGST12	—	TG50	.220	.165	.807
M6 & M6,3	#14 & 1/4	50TGST025	50TGSTC025	TG50	.255	.191	.838
—	1/16P & 1/8P(SS)	50TGST006P	—	TG50	.313	.234	.775
M7 & M8	5/16	50TGST031	50TGSTC031	TG50	.318	.238	.868
—	7/16	50TGST043	50TGSTC043	TG50	.323	.242	.963
M12 & M12,5	1/2	50TGST050	50TGSTC050	TG50	.367	.275	.932
M10	3/8	50TGST037	50TGSTC037	TG50	.381	.286	.900
M14	9/16	50TGST056	50TGSTC056	TG50	.429	.322	.937
—	1/8P(LS)	50TGST012P	—	TG50	.438	.328	.775
M16	5/8	50TGST062	—	TG50	.480	.360	.876

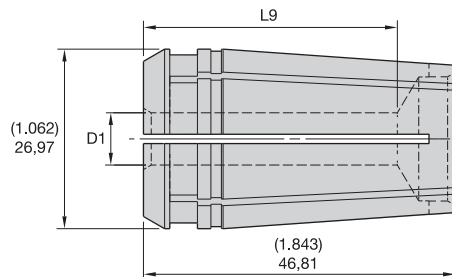
NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.
 Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.
 Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
 Never try to stretch the collets by clamping oversized cutting tools.

Collets and Sleeves

TG75 Series



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 75TG 0,4mm [.016" (1/64)] range of collapse.
- 75TGC and 75TGCHP 0,13mm (.005") range of collapse.
- 75TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



ERICKSON™

■ TG75 Series • Metric

D1	75TG standard	75TGC standard — coolant	75TGHP high precision	75TGCHP high precision — coolant	collet capacity max mm	collet capacity min mm	L9
3,0	75TG030M	—	—	—	3,00	2,60	18,6
3,5	75TG035M	—	—	—	3,50	3,10	18,8
4,0	75TG040M	—	—	—	4,00	3,60	22,1
4,0	—	—	75TGHP040M	—	4,00	3,75	22,1
4,5	75TG045M	—	—	—	4,50	4,10	22,3
5,0	75TG050M	—	—	—	5,00	4,60	22,5
5,5	75TG055M	—	—	—	5,50	5,10	22,6
6,0	—	75TGC060M	—	—	6,00	5,87	22,8
6,0	75TG060M	—	—	—	6,00	5,60	22,8
6,0	—	—	75TGHP060M	—	6,00	5,75	22,8
6,0	—	—	—	75TGCHP060M	6,00	5,87	22,8
6,5	75TG065M	—	—	—	6,50	6,10	37,7
7,0	75TG070M	—	—	—	7,00	6,60	37,8
7,5	75TG075M	—	—	—	7,50	7,10	38,0
8,0	—	75TGC080M	—	75TGCHP080M	8,00	7,87	25,9
8,0	—	—	75TGHP080M	—	8,00	7,75	38,1

(continued)



(TG75 Series continued)

D1	75TG standard	75TGC standard — coolant	75TGHP high precision	75TGCHP high precision — coolant	collet capacity max mm	collet capacity min mm	L9
8,0	75TG080M	—	—	—	8,00	7,60	38,1
8,5	75TG085M	—	—	—	8,50	8,10	38,3
9,0	75TG090M	—	—	—	9,00	8,60	38,4
9,5	75TG095M	—	—	—	9,50	9,10	38,6
10,0	—	—	—	75TGCHP100M	10,00	9,87	38,7
10,0	—	—	75TGHP100M	—	10,00	9,75	38,7
10,0	75TG100M	—	—	—	10,00	9,60	38,7
10,0	—	75TGC100M	—	—	10,00	9,87	38,7
10,5	75TG105M	—	—	—	10,50	10,10	38,8
11,0	75TG110M	—	—	—	11,00	10,60	39,0
11,5	75TG115M	—	—	—	11,50	11,10	39,1
12,0	—	75TGC120M	—	—	12,00	11,87	39,3
12,0	75TG120M	—	—	—	12,00	11,60	39,3
12,0	—	—	75TGHP120M	—	12,00	11,75	39,3
12,0	—	—	—	75TGCHP120M	12,00	11,87	39,3
12,5	75TG125M	—	—	—	12,50	12,10	39,4
13,0	75TG130M	—	—	—	13,00	12,60	39,6
13,5	75TG135M	—	—	—	13,50	13,10	39,7
14,0	—	75TGC140M	—	75TGCHP140M	14,00	13,87	39,9
14,0	—	—	75TGHP140M	—	14,00	13,75	46,8
14,0	75TG140M	—	—	—	14,00	13,60	46,8
14,5	75TG145M	—	—	—	14,50	14,10	46,8
15,0	75TG150M	—	—	—	15,00	14,60	46,8
15,5	75TG155M	—	—	—	15,50	15,10	46,8
16,0	—	75TGC160M	—	75TGCHP160M	16,00	15,87	40,5
16,0	75TG160M	—	—	—	16,00	15,60	46,8
16,0	—	—	75TGHP160M	—	16,00	15,75	46,8
16,5	75TG165M	—	—	—	16,50	16,10	46,8
17,0	75TG170M	—	—	—	17,00	16,60	46,8
17,5	75TG175M	—	—	—	17,50	17,10	46,8
18,0	—	75TGC180M	—	75TGCHP180M	18,00	17,87	41,1
18,0	75TG180M	—	—	—	18,00	17,60	46,8
18,0	—	—	75TGHP180M	—	18,00	17,75	46,8
19,0	75TG190M	—	—	—	19,00	18,60	46,8
19,5	75TG195M	—	—	—	19,50	19,10	46,8
20,0	75TG200M	—	—	—	20,00	19,60	46,8
20,0	—	75TGC200M	—	75TGCHP200M	20,00	19,87	46,8
20,0	—	—	75TGHP200M	—	20,00	19,75	46,8

NOTE: Inserting the cutting tool less than 2/3 the gripping length into the collet can permanently damage the collet.

Full length of the gripping bore must be maintained to achieve maximum accuracy and safety.

Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.

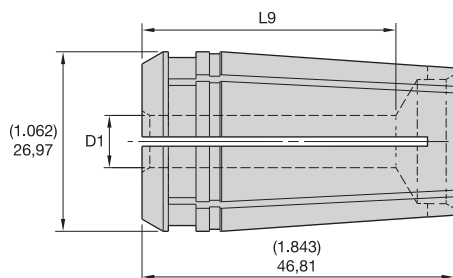
Never try to stretch the collets by clamping oversized cutting tools.

Collets and Sleeves

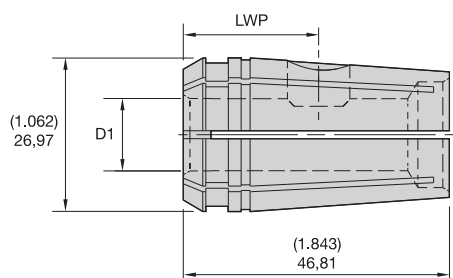
TG75 Series



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 75TG and 75TGC 0,4mm [.016" (1/64)] range of collapse.
- 75TGCHP and 75TGNP 0,13mm (.005") range of collapse.
- 75TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



TG Collet — NP



TG Collet — NP

ERICKSON™

■ TG75 Series • Inch

D1	75TG standard	75TGC standard — coolant	75TGHP high precision	75TGCHP high precision — coolant	75TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
1/16	75TG0062	—	—	—	—	.0620	.0469	.485	—
5/64	75TG0078	—	—	—	—	.0780	.0625	.490	—
3/32	75TG0094	—	—	—	—	.0940	.0781	.725	—
7/64	75TG0109	—	—	—	—	.1090	.0938	.730	—

(continued)



(TG75 Series continued)

D1	75TG standard	75TGC standard — coolant	75TGHP high precision	75TGCHP high precision — coolant	75TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
1/8	75TG0125	—	—	—	—	.1250	.1094	.735	—
1/8	—	—	75TGHP0125	—	—	.1250	.1150	.735	—
9/64	75TG0141	—	—	—	—	.1410	.1250	.740	—
5/32	75TG0156	—	—	—	—	.1560	.1406	.872	—
11/64	75TG0172	—	—	—	—	.1720	.1563	.877	—
3/16	—	—	75TGHP0188	—	—	.1875	.1775	.881	—
3/16	75TG0188	—	—	—	—	.1880	.1719	.881	—
13/64	75TG0203	—	—	—	—	.2030	.1875	.886	—
7/32	75TG0219	—	—	—	—	.2190	.2031	.891	—
15/64	75TG0234	—	—	—	—	.2340	.2188	.895	—
1/4	—	—	—	75TGCHP0250	—	.2500	.2450	1.000	—
1/4	—	75TGC0250	—	—	—	.2500	.2450	1.001	—
1/4	—	—	75TGHP0250	—	—	.2500	.2400	1.480	—
1/4	75TG0250	—	—	—	—	.2500	.2344	1.481	—
17/64	—	75TGC0266	—	—	—	.2656	.2606	1.006	—
17/64	75TG0266	—	—	—	—	.2660	.2500	1.486	—
9/32	75TG0281	—	—	—	—	.2810	.2656	1.490	—
9/32	—	75TGC0281	—	—	—	.2813	.2763	1.010	—
19/64	—	75TGC0297	—	—	—	.2969	.2919	1.015	—
19/64	75TG0297	—	—	—	—	.2970	.2813	1.495	—
5/16	75TG0312	—	—	—	—	.3120	.2969	1.500	—
5/16	—	75TGC0312	—	—	—	.3125	.3075	1.020	—
5/16	—	—	75TGHP0312	—	—	.3125	.3025	1.499	—
21/64	75TG0328	—	—	—	—	.3280	.3125	1.505	—
21/64	—	75TGC0328	—	—	—	.3281	.3231	1.024	—
11/32	—	75TGC0344	—	—	—	.3438	.3281	1.029	—
11/32	75TG0344	—	—	—	—	.3440	.3281	1.509	—
23/64	75TG0359	—	—	—	—	.3590	.3438	1.514	—
23/64	—	75TGC0359	—	—	—	.3594	.3544	1.034	—
3/8	—	—	—	75TGCHP0375	—	.3750	.3700	1.038	—
3/8	—	—	75TGHP0375	—	—	.3750	.3650	1.518	—
3/8	—	75TGC0375	—	—	—	.3750	.3700	1.518	—
3/8	75TG0375	—	—	—	—	.3750	.3594	1.519	—
3/8	—	—	—	—	75TGNP0375	.3750	—	—	.703
25/64	—	75TGC0391	—	—	—	.3906	.3856	1.523	—
25/64	75TG0391	—	—	—	—	.3910	.3750	1.521	—
13/32	75TG0406	—	—	—	—	.4060	.3906	1.526	—
13/32	—	75TGC0406	—	—	—	.4063	.4013	1.528	—
27/64	—	75TGC0422	—	—	—	.4219	.4169	1.533	—
27/64	75TG0422	—	—	—	—	.4220	.4063	1.531	—
7/16	—	—	75TGHP0438	—	—	.4375	.4275	1.535	—
7/16	—	75TGC0438	—	75TGCHP0438	—	.4375	.4325	1.537	—
7/16	75TG0438	—	—	—	—	.4380	.4219	1.536	—
29/64	75TG0453	—	—	—	—	.4530	.4375	1.540	—
29/64	—	75TGC0453	—	—	—	.4531	.4481	1.542	—
15/32	—	75TGC0469	—	—	—	.4688	.4638	1.547	—
15/32	75TG0469	—	—	—	—	.4690	.4531	1.545	—
31/64	75TG0484	—	—	—	—	.4840	.4688	1.549	—

(continued)

Collets and Sleeves

TG75 Series



(TG75 Series continued)

D1	75TG standard	75TGC standard — coolant	75TGHP high precision	75TGCHP high precision — coolant	75TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
31/64	—	75TGC0484	—	—	—	.4844	.4794	1.551	—
1/2	75TG0500	—	—	—	—	.5000	.4844	1.554	—
1/2	—	—	75TGHP0500	—	—	.5000	.4900	1.554	—
1/2	—	75TGC0500	—	75TGCHP0500	—	.5000	.4950	1.556	—
1/2	—	—	—	—	75TGNP0500	.5000	—	—	.828
33/64	75TG0516	—	—	—	—	.5156	.5000	1.559	—
33/64	—	75TGC0516	—	—	—	.5156	.5106	1.561	—
17/32	75TG0531	—	—	—	—	.5310	.5156	1.563	—
17/32	—	75TGC0531	—	—	—	.5313	.5263	1.565	—
35/64	—	75TGC0547	—	—	—	.5469	.5419	1.570	—
35/64	75TG0547	—	—	—	—	.5470	.5313	1.843	—
9/16	75TG0562	—	—	—	—	.5620	.5469	1.843	—
9/16	—	75TGC0562	—	75TGCHP0562	—	.5625	.5575	1.575	—
9/16	—	—	75TGHP0562	—	—	.5625	.5525	1.843	—
37/64	75TG0578	—	—	—	—	.5780	.5625	1.843	—
37/64	—	75TGC0578	—	—	—	.5781	.5731	1.579	—
19/32	—	75TGC0594	—	—	—	.5938	.5888	1.584	—
19/32	75TG0594	—	—	—	—	.5940	.5781	1.843	—
39/64	75TG0609	—	—	—	—	.6090	.5938	1.843	—
39/64	—	75TGC0609	—	—	—	.6094	.6044	1.589	—
5/8	—	75TGC0625	—	75TGCHP0625	—	.6250	.6200	1.594	—
5/8	75TG0625	—	—	—	—	.6250	.6094	1.843	—
5/8	—	—	75TGHP0625	—	—	.6250	.6150	1.843	—
5/8	—	—	—	—	75TGNP0625	.6250	—	—	.859
41/64	—	75TGC0641	—	—	—	.6406	.6356	1.598	—
41/64	75TG0641	—	—	—	—	.6410	.6250	1.843	—
21/32	75TG0656	—	—	—	—	.6560	.6406	1.843	—
21/32	—	75TGC0656	—	—	—	.6563	.6513	1.603	—
43/64	—	75TGC0672	—	—	—	.6719	.6669	1.608	—
43/64	75TG0672	—	—	—	—	.6720	.6563	1.843	—
11/16	—	75TGC0688	—	75TGCHP0688	—	.6875	.6825	1.612	—
11/16	75TG0688	—	—	—	—	.6880	.6719	1.843	—
45/64	75TG0703	—	—	—	—	.7030	.6875	1.843	—
45/64	—	75TGC0703	—	—	—	.7031	.6981	1.617	—
23/32	—	75TGC0719	—	—	—	.7188	.7138	1.622	—
23/32	75TG0719	—	—	—	—	.7190	.7031	1.843	—
47/64	75TG0734	—	—	—	—	.7340	.7188	1.843	—
47/64	—	75TGC0734	—	—	—	.7344	.7294	1.843	—
3/4	—	—	75TGHP0750	—	—	.7500	.7400	1.843	—
3/4	—	75TGC0750	—	75TGCHP0750	—	.7500	.7450	1.843	—
3/4	75TG0750	—	—	—	—	.7500	.7344	1.843	—
3/4	—	—	—	—	75TGNP0750	.7500	—	—	.922

- An economical way to purchase a group of collets.



TG Collet

ERICKSON

■ TG75 Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S75TG1SET	TG75	45	1/16 - 3/4	1/64
S75TG2SET	TG75	23	1/16 - 3/4	1/32
S75TG3SET	TG75	33	1/4 - 3/4	1/64
S75TG4SET	TG75	17	1/4 - 3/4	1/32



TG Collet — NP

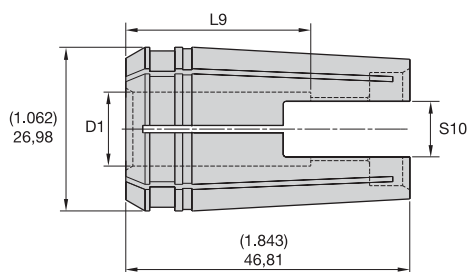
■ TG75 NP-Out Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S75TGNPSET	TG75	4	3/8 - 3/4	1/8

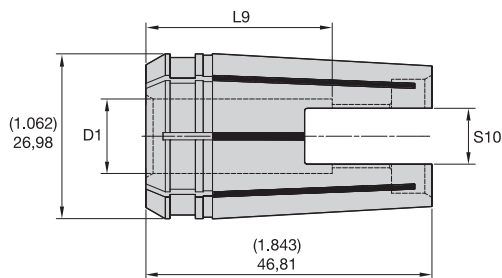
Collets and Sleeves

TG75 Single-Angle Solid Tap Collets

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Twice as accurate as the standard TG and Class 2 ER-style collets.
- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 0,13mm (.005") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Slot in back of collets acts as a drive for the tap square.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



Bonded Type



Coolant Type

ERICKSON

■ TG75 Solid Tap Collet • Solid Tap Coolant • Inch/Metric ANSI

tap size		75TGST solid tap	75TGSTC solid tap — coolant	collet series	D1	S10	L9
mm	in						
M3 & M3,15 & M3,5	0-#6 & 1/8	75TGST6	—	TG75	.141	.110	.775
M4	8 & 5/32	75TGST8	—	TG75	.168	.131	.775
M4,5 & M5	10 & 3/16	75TGST10	—	TG75	.194	.152	.900
—	12 & 7/32	75TGST12	—	TG75	.220	.165	.807
M6 & M6,3	14 & 1/4	75TGST025	75TGSTC025	TG75	.255	.191	.838
—	1/16P & 1/8P(SS)	75TGST006P	—	TG75	.313	.234	.775
M7 & M8	5/16	75TGST031	75TGSTC031	TG75	.318	.238	.868
—	7/16	75TGST043	75TGSTC043	TG75	.323	.242	.963

(continued)

(TG75 Single-Angle Solid Tap Collets continued)

tap size		75TGST solid tap	75TGSTC solid tap — coolant	collet series	D1	S10	L9
mm	in						
M12 & M12,5	1/2	75TGST050	75TGSTC050	TG75	.367	.275	.932
M10	3/8	75TGST037	75TGSTC037	TG75	.381	.286	.900
M14	9/16	75TGST056	—	TG75	.429	.322	1.087
—	1/8P(LS)	75TGST012P	—	TG75	.438	.328	.775
M16	5/8	75TGST062	75TGSTC062	TG75	.480	.360	1.031
M18	11/16	75TGST068	75TGSTC068	TG75	.542	.406	.968
—	1/4P	75TGST025P	—	TG75	.563	.421	.775
—	3/4	75TGST075	75TGSTC075	TG75	.590	.442	.906
M20	13/16	75TGST081	—	TG75	.652	.489	.906
—	1/2P	75TGST050P	—	TG75	.688	.515	.775
M22	7/8	75TGST087	75TGSTC087	TG75	.697	.523	.843
—	3/8P	75TGST037P	—	TG75	.700	.531	.775

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.

Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.

Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.

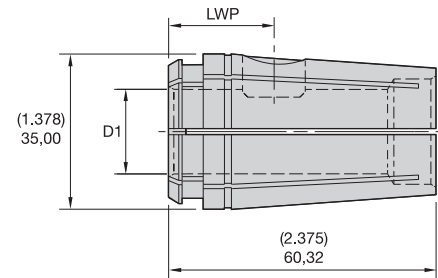
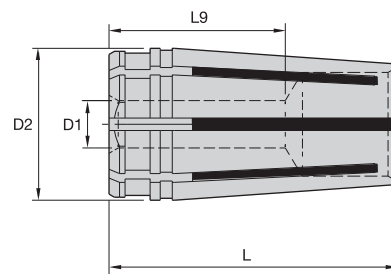
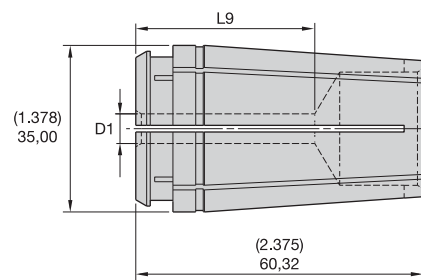
Never try to stretch the collets by clamping oversized cutting tools.

Collets and Sleeves

TG100 Series



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 100TG 0,4mm [.016" (1/64)] range of collapse.
- 100TGC and 100TGCHP 0,13mm (.005") range of collapse.
- 100TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



TG Collet — NP



TG Collet — NP

ERICKSON™

■ TG100 Series • Metric

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
3,0	100TG030M	—	—	—	—	3,00	2,60	18,2	—
3,5	100TG035M	—	—	—	—	3,50	3,10	21,5	—
4,0	100TG040M	—	—	—	—	4,00	3,60	21,7	—
4,5	100TG045M	—	—	—	—	4,50	4,10	21,8	—
5,0	100TG050M	—	—	—	—	5,00	4,60	22,0	—
5,5	100TG055M	—	—	—	—	5,50	5,10	22,1	—
6,0	—	100TGC060M	—	—	—	6,00	5,87	22,3	—
6,0	100TG060M	—	—	—	—	6,00	5,60	22,3	—
6,0	—	—	100TGHP060M	—	—	6,00	5,87	22,3	—
6,0	—	—	—	—	100TGNP060M	6,00	—	—	16,0

(continued)



(TG100 Series continued)

D1	100TG standard	100TGC standard – coolant	100TGHP high precision	100TGCHP high precision – coolant	100TGNP milling – non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
6,5	100TG065M	—	—	—	—	6,50	6,10	37,6	—
7,0	100TG070M	—	—	—	—	7,00	6,60	37,8	—
7,5	100TG075M	—	—	—	—	7,50	7,10	37,9	—
8,0	—	100TGC080M	—	—	—	8,00	7,87	34,9	—
8,0	100TG080M	—	—	—	—	8,00	7,60	38,1	—
8,0	—	—	100TGHP080M	—	—	8,00	7,87	38,1	—
8,5	100TG085M	—	—	—	—	8,50	8,10	38,2	—
9,0	100TG090M	—	—	—	—	9,00	8,60	38,4	—
9,5	100TG095M	—	—	—	—	9,50	9,10	38,5	—
10,0	—	100TGC100M	—	100TGCHP100M	—	10,00	9,87	38,5	—
10,0	—	—	100TGHP100M	—	—	10,00	9,87	38,7	—
10,0	100TG100M	—	—	—	—	10,00	9,60	38,7	—
10,5	100TG105M	—	—	—	—	10,50	10,10	38,8	—
11,5	100TG115M	—	—	—	—	11,50	11,10	39,1	—
12,0	—	100TGC120M	—	100TGCHP120M	—	12,00	11,87	39,1	—
12,0	100TG120M	—	—	—	—	12,00	11,60	39,3	—
12,0	—	—	—	—	100TGNP120M	12,00	—	—	18,0
12,5	100TG125M	—	—	—	—	12,50	12,10	39,4	—
13,0	100TG130M	—	—	—	—	13,00	12,60	39,6	—
13,5	100TG135M	—	—	—	—	13,50	13,10	39,7	—
14,0	—	—	100TGHP140M	—	—	14,00	13,87	39,9	—
14,0	100TG140M	—	—	—	—	14,00	13,60	39,9	—
14,0	—	100TGC140M	—	100TGCHP140M	—	14,00	13,87	43,7	—
14,5	100TG145M	—	—	—	—	14,50	14,10	40,0	—
15,0	100TG150M	—	—	—	—	15,00	14,60	40,2	—
15,5	100TG155M	—	—	—	—	15,50	15,10	40,3	—
16,0	100TG160M	—	—	—	—	16,00	15,60	40,5	—
16,0	—	100TGC160M	—	100TGCHP160M	—	16,00	15,87	44,3	—
16,0	—	—	—	—	100TGNP160M	16,00	—	—	20,5
16,5	100TG165M	—	—	—	—	16,50	16,10	40,6	—
17,0	100TG170M	—	—	—	—	17,00	16,60	40,8	—
17,5	100TG175M	—	—	—	—	17,50	17,10	40,9	—
23,0	100TG230M	—	—	—	—	23,00	22,60	60,3	—
23,5	100TG235M	—	—	—	—	23,50	23,10	60,3	—
24,0	100TG240M	—	—	—	—	24,00	23,60	60,3	—
24,5	100TG245M	—	—	—	—	24,50	24,10	60,3	—
25,0	—	100TGC250M	—	100TGCHP250M	—	25,00	24,87	50,0	—
25,0	100TG250M	—	—	—	—	25,00	24,60	60,3	—
25,0	—	—	100TGHP250M	—	—	25,00	24,87	60,3	—
25,0	—	—	—	—	100TGNP250M	25,00	—	—	22,0
25,5	100TG255M	—	—	—	—	25,50	25,10	60,3	—

(continued)

(TG100 Series continued)

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
18,0	100TG180M	—	—	—	—	18,00	17,60	41,1	—
18,0	—	—	100TGHP180M	—	—	18,00	17,87	41,1	—
18,0	—	100TGC180M	—	100TGCHP180M	—	18,00	17,87	44,9	—
18,5	100TG185M	—	—	—	—	18,50	18,10	41,2	—
19,0	100TG190M	—	—	—	—	19,00	18,60	41,4	—
19,5	100TG195M	—	—	—	—	19,50	19,10	60,3	—
20,0	—	100TGC200M	—	100TGCHP200M	—	20,00	19,87	48,5	—
20,0	100TG200M	—	—	—	—	20,00	19,60	60,3	—
20,0	—	—	100TGHP200M	—	—	20,00	19,87	60,3	—
20,0	—	—	—	—	100TGNP200M	20,00	—	—	23,0
20,5	100TG205M	—	—	—	—	20,50	20,10	60,3	—
21,0	100TG210M	—	—	—	—	21,00	20,60	60,3	—
22,0	100TG220M	—	—	—	—	22,00	21,60	60,3	—
22,5	100TG225M	—	—	—	—	22,50	22,10	60,3	—

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.

Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.

Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.

Never try to stretch the collets by clamping oversized cutting tools.

TOOLING SYSTEMS



Erickson™ Toolholders

WIDIA™ proudly offers premium quality Erickson toolholder products, so you can be sure that you're buying the best the industry has to offer. The entire portfolio — including steep taper, HSK, straight shank extensions, collets, sleeves, and accompanying products — offers high productivity, increased accuracy, and application flexibility.

Designed for both manual and automatic tool changing, Erickson interfaces are ideally suited for most machine tools and feature a compact and rigid construction guaranteed to handle high torque and deliver optimal metal removal rates.

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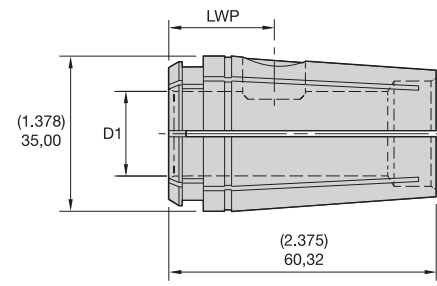
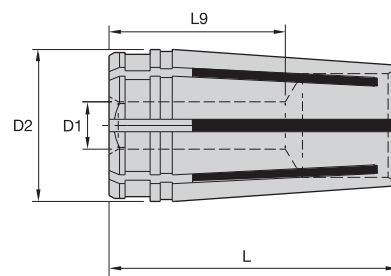
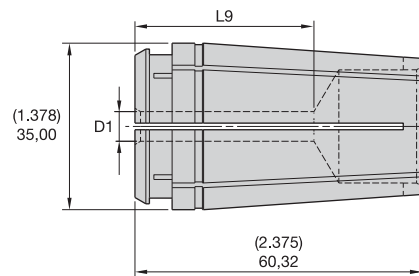
ERICKSON™

Collets and Sleeves

TG100 Series



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 100TG 0,4mm [.016" (1/64)] range of collapse.
- 100TGC and 100TGCHP 0,13mm (.005") range of collapse.
- 100TGHP 0,25mm (.010") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



TG Collet — NP



TG Collet — NP

ERICKSON™

■ TG100 Series • Inch

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
3/32	100TG0094	—	—	—	—	.0940	.0781	.707	—
7/64	100TG0109	—	—	—	—	.1090	.0938	.712	—
1/8	100TG0125	—	—	—	—	.1250	.1094	.844	—
1/8	—	—	100TGHP0125	—	—	.1250	.1150	.844	—
9/64	100TG0141	—	—	—	—	.1410	.1250	.848	—
5/32	100TG0156	—	—	—	—	.1563	.1410	.853	—
11/64	100TG0172	—	—	—	—	.1720	.1563	.858	—
3/16	—	—	100TGHP0188	—	—	.1875	.1775	.862	—
3/16	100TG0188	—	—	—	—	.1880	.1719	.862	—
13/64	100TG0203	—	—	—	—	.2030	.1875	.867	—

(continued)



(TG100 Series continued)

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
7/32	100TG0219	—	—	—	—	.2190	.2031	.872	—
15/64	100TG0234	—	—	—	—	.2340	.2188	.876	—
1/4	—	100TGC0250	—	—	—	.2500	.2450	1.356	—
1/4	—	—	100TGHP0250	—	—	.2500	.2400	1.461	—
1/4	100TG0250	—	—	—	—	.2500	.2344	1.480	—
17/64	—	100TGC0266	—	—	—	.2656	.2606	1.360	—
17/64	100TG0266	—	—	—	—	.2660	.2500	1.485	—
9/32	100TG0281	—	—	—	—	.2810	.2656	1.489	—
9/32	—	100TGC0281	—	—	—	.2813	.2763	1.365	—
19/64	—	100TGC0297	—	—	—	.2969	.2919	1.370	—
19/64	100TG0297	—	—	—	—	.2970	.2813	1.494	—
5/16	100TG0312	—	—	—	—	.3120	.2969	1.499	—
5/16	—	100TGC0312	—	—	—	.3125	.3075	1.374	—
5/16	—	—	100TGHP0312	—	—	.3125	.3025	1.499	—
21/64	100TG0328	—	—	—	—	.3280	.3125	1.503	—
21/64	—	100TGC0328	—	—	—	.3281	.3231	1.379	—
11/32	—	100TGC0344	—	—	—	.3438	.3388	1.384	—
11/32	100TG0344	—	—	—	—	.3440	.3281	1.508	—
23/64	100TG0359	—	—	—	—	.3590	.3438	1.513	—
23/64	—	100TGC0359	—	—	—	.3594	.3544	1.388	—
3/8	—	100TGC0375	—	—	—	.3750	.3700	1.393	—
3/8	—	—	—	100TGCHP0375	—	.3750	.3700	1.511	—
3/8	—	—	100TGHP0375	—	—	.3750	.3650	1.518	—
3/8	100TG0375	—	—	—	—	.3750	.3594	1.518	—
3/8	—	—	—	—	100TGNP0375	.3750	—	—	.703
25/64	—	100TGC0391	—	—	—	.3906	.3856	1.516	—
25/64	100TG0391	—	—	—	—	.3910	.3750	1.522	—
13/32	100TG0406	—	—	—	—	.4060	.3906	1.527	—
13/32	—	100TGC0406	—	—	—	.4063	.4013	1.520	—
27/64	—	100TGC0422	—	—	—	.4219	.4169	1.525	—
27/64	100TG0422	—	—	—	—	.4220	.4063	1.532	—
7/16	—	100TGC0438	—	100TGCHP0438	—	.4375	.4325	1.530	—
7/16	—	—	100TGHP0438	—	—	.4375	.4275	1.536	—
7/16	100TG0438	—	—	—	—	.4380	.4219	1.536	—
29/64	100TG0453	—	—	—	—	.4530	.4375	1.541	—
29/64	—	100TGC0453	—	—	—	.4531	.4481	1.534	—
15/32	—	100TGC0469	—	—	—	.4688	.4638	1.539	—
15/32	100TG0469	—	—	—	—	.4690	.4531	1.546	—
31/64	100TG0484	—	—	—	—	.4840	.4688	1.550	—
31/64	—	100TGC0484	—	—	—	.4844	.4794	1.544	—
1/2	—	100TGC0500	—	100TGCHP0500	—	.5000	.4950	1.549	—
1/2	—	—	100TGHP0500	—	—	.5000	.4900	1.555	—
1/2	100TG0500	—	—	—	—	.5000	.4844	1.555	—
1/2	—	—	—	—	100TGNP0500	.5000	—	—	.828

(continued)

Collets and Sleeves

TG100 Series



(TG100 Series continued)

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
33/64	—	100TGC0516	—	—	—	.5156	.5106	1.553	—
33/64	100TG0516	—	—	—	—	.5160	.5000	1.560	—
17/32	100TG0531	—	—	—	—	.5310	.5156	1.564	—
17/32	—	100TGC0531	—	—	—	.5313	.5263	1.558	—
35/64	—	100TGC0547	—	—	—	.5469	.5419	1.720	—
35/64	100TG0547	—	—	—	—	.5470	.5313	1.569	—
9/16	100TG0562	—	—	—	—	.5620	.5469	1.574	—
9/16	—	—	100TGHP0562	—	—	.5625	.5525	1.574	—
9/16	—	100TGC0562	—	100TGCHP0562	—	.5625	.5575	1.724	—
37/64	100TG0578	—	—	—	—	.5780	.5625	1.579	—
37/64	—	100TGC0578	—	—	—	.5781	.5731	1.729	—
19/32	—	100TGC0594	—	—	—	.5938	.5888	1.734	—
19/32	100TG0594	—	—	—	—	.5940	.5781	1.583	—
39/64	100TG0609	—	—	—	—	.6090	.5938	1.588	—
39/64	—	100TGC0609	—	—	—	.6094	.6044	1.738	—
5/8	100TG0625	—	—	—	—	.6250	.6094	1.593	—
5/8	—	—	100TGHP0625	—	—	.6250	.6150	1.593	—
5/8	—	100TGC0625	—	100TGCHP0625	—	.6250	.6200	1.743	—
5/8	—	—	—	—	100TGNP0625	.6250	—	—	.875
41/64	—	100TGC0641	—	—	—	.6406	.6356	1.748	—
41/64	100TG0641	—	—	—	—	.6410	.6250	1.597	—
21/32	100TG0656	—	—	—	—	.6560	.6406	1.602	—
21/32	—	100TGC0656	—	—	—	.6563	.6513	1.752	—
43/64	—	100TGC0672	—	—	—	.6719	.6669	1.757	—
43/64	100TG0672	—	—	—	—	.6720	.6563	1.607	—
11/16	—	—	100TGHP0688	—	—	.6875	.6775	1.612	—
11/16	—	100TGC0688	—	100TGCHP0688	—	.6875	.6825	1.762	—
11/16	100TG0688	—	—	—	—	.6880	.6719	1.612	—
45/64	100TG0703	—	—	—	—	.7030	.6875	1.612	—
45/64	—	100TGC0703	—	—	—	.7031	.6981	1.767	—
23/32	—	100TGC0719	—	—	—	.7188	.7138	1.771	—
23/32	100TG0719	—	—	—	—	.7190	.7031	1.621	—
47/64	100TG0734	—	—	—	—	.7340	.7188	1.625	—
47/64	—	100TGC0734	—	—	—	.7344	.7294	1.776	—
3/4	100TG0750	—	—	—	—	.7500	.7348	1.630	—
3/4	—	—	100TGHP0750	—	—	.7500	.7400	1.630	—
3/4	—	100TGC0750	—	100TGCHP0750	—	.7500	.7450	1.781	—
3/4	—	—	—	—	100TGNP0750	.7500	—	—	.938
49/64	—	100TGC0766	—	—	—	.7656	.7606	1.904	—
49/64	100TG0766	—	—	—	—	.7660	.7500	2.375	—
25/32	100TG0781	—	—	—	—	.7810	.7656	2.375	—
25/32	—	100TGC0781	—	—	—	.7813	.7763	1.908	—
51/64	—	100TGC0797	—	—	—	.7969	.7919	1.913	—
51/64	100TG0797	—	—	—	—	.7970	.7813	2.375	—
13/16	100TG0812	—	—	—	—	.8120	.7969	2.375	—
13/16	—	100TGC0812	—	—	—	.8125	.8075	1.917	—

(continued)

(TG100 Series continued)

D1	100TG standard	100TGC standard — coolant	100TGHP high precision	100TGCHP high precision — coolant	100TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
53/64	100TG0828	—	—	—	—	.8280	.8125	2.375	—
53/64	—	100TGC0828	—	—	—	.8281	.8231	1.922	—
27/32	—	100TGC0844	—	—	—	.8438	.8388	1.927	—
27/32	100TG0844	—	—	—	—	.8440	.8281	2.375	—
55/64	100TG0859	—	—	—	—	.8590	.8438	2.375	—
7/8	—	100TGC0875	—	100TGCHP0875	—	.8750	.8700	1.936	—
7/8	—	—	100TGHP0875	—	—	.8750	.8650	2.375	—
7/8	100TG0875	—	—	—	—	.8750	.8594	2.375	—
7/8	—	—	—	—	100TGNP0875	.8750	—	2.375	.938
57/64	—	100TGC0891	—	—	—	.8906	.8856	1.941	—
57/64	100TG0891	—	—	—	—	.8910	.8750	2.375	—
29/32	100TG0906	—	—	—	—	.9060	.8906	2.375	—
29/32	—	100TGC0906	—	—	—	.9063	.9013	1.946	—
59/64	—	100TGC0922	—	—	—	.9219	.9169	1.950	—
59/64	100TG0922	—	—	—	—	.9220	.9063	2.375	—
15/16	—	100TGC0938	—	—	—	.9375	.9325	1.955	—
15/16	100TG0938	—	—	—	—	.9380	.9219	2.375	—
61/64	100TG0953	—	—	—	—	.9530	.9375	2.375	—
61/64	—	100TGC0953	—	—	—	.9531	.9481	1.960	—
31/32	—	100TGC0969	—	—	—	.9688	.9638	1.964	—
31/32	100TG0969	—	—	—	—	.9690	.9531	2.375	—
63/64	100TG0984	—	—	—	—	.9840	.9688	2.375	—
63/64	—	100TGC0984	—	—	—	.9844	.9794	1.969	—
1	100TG1000	—	—	—	—	1.0000	.9844	2.375	—
1	—	100TGC1000	—	100TGCHP1000	—	1.0000	.9950	2.375	—
1	—	—	100TGHP1000	—	—	1.0000	.9900	2.375	—
1	—	—	—	—	100TGNP1000	1.0000	—	—	.938

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.
Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
Never try to stretch the collets by clamping oversized cutting tools.

Collets and Sleeves

TG100 Single-Angle Standard Collet Sets



- An economical way to purchase a group of collets.



TG Collet

ERICKSON™

■ TG100 Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S100TG1SET	TG100	59	3/32-1	1/64
S100TG2SET	TG100	30	3/32 - 1	1/32
S100TG3SET	TG100	41	3/8 - 1	1/64
S100TG4SET	TG100	21	3/8 - 1	1/32



TG Collet — NP

■ TG100 NP-Out Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S100TGNPSET	TG100	6	3/8-1	1/8

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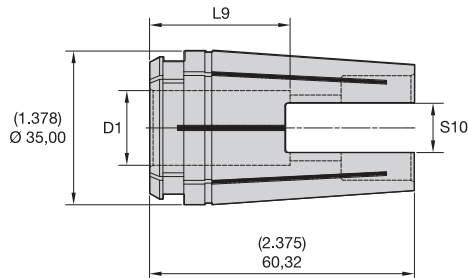
WIDIA Products

Whether your operation is turning, milling, or holmaking, WIDIA brands are the high-performance tooling you need. We offer standard and custom solutions for the general engineering market.

Collets and Sleeves

TG100 Single-Angle Solid Tap Collets

- Rubber-filled slots seal collet for coolant-fed tool applications.
- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for tapping applications.
- Slot in back of collets acts as a drive for the tap square.
- Industry-standard Erickson™ single-angle collet system.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



ERICKSON™

■ TG100 Solid Tap Collet • Metric DIN and ISO

tap size	catalog number	collet series	D1	S10	L9
M9 & M12	100TGST090071M	TG100	9,0	7,1	30,0
M10	100TGST100080M	TG100	10,0	8,0	30,0
M14	100TGST110090M	TG100	11,0	9,0	30,0
M16	100TGST120090M	TG100	12,0	9,0	30,0
M18	100TGST140110M	TG100	14,0	11,0	30,0
M20	100TGST160120M	TG100	16,0	12,0	30,0
M22 & M24	100TGST180145M	TG100	18,0	14,5	30,0

■ TG100 Solid Tap Collet • Solid Tap Coolant • Inch/Metric ANSI

tap size		100TGST solid tap	100TGSTC solid tap – coolant	collet series	D1	S10	L9
mm	in						
M3 & M3,15 & M3,5	#0-#6 & 1/8	100TGST6	—	TG100	.141	.110	.141
M4	#8 & 5/32	100TGST8	—	TG100	.168	.131	.168
M4,5 & M5	#10 & 3/16	100TGST10	—	TG100	.194	.152	.194
—	#12 & 7/32	100TGST12	—	TG100	.220	.165	.220
M6 & M6,3	#14 & 1/4	100TGST025	—	TG100	.255	.191	.812
—	1/16P & 1/8P(SS)	100TGST006P	—	TG100	.313	.234	.812
M7 & M8	5/16	100TGST031	100TGSTC031	TG100	.318	.238	.868
—	7/16	100TGST043	100TGSTC043	TG100	.323	.242	.963
M12 & M12,5	1/2	100TGST050	100TGSTC050	TG100	.367	.275	.932
M10	3/8	100TGST037	100TGSTC037	TG100	.381	.286	.900
M14	9/16	100TGST056	—	TG100	.429	.322	1.087
—	1/8P(LS)	100TGST012P	—	TG100	.438	.328	.812
M16	5/8	100TGST062	100TGSTC062	TG100	.480	.360	1.087
M18	11/16	100TGST068	—	TG100	.542	.406	1.244

(continued)

(TG100 Single-Angle Solid Tap Collets continued)

tap size		100TGST solid tap	100TGSTC solid tap — coolant	collet series	D1	S10	L9
mm	in						
—	1/4P	100TGST025P	—	TG100	.563	.421	.812
—	3/4	100TGST075	100TGSTC075	TG100	.590	.442	1.213
M20	13/16	100TGST081	—	TG100	.652	.489	.652
—	1/2P	100TGST050P	—	TG100	.688	.515	.812
M22	7/8	100TGST087	—	TG100	.697	.523	.697
M22	7/8	—	100TGSTC087	TG100	.697	.523	1.369
—	3/8P	100TGST037P	—	TG100	.700	.531	.812
M24	15/16	100TGST094	—	TG100	.760	.570	.760
M25	1	—	100TGSTC100	TG100	.800	.600	1.313
M25	1	100TGST100	—	TG100	.800	.600	.800
M27	1 1/16 & 1 1/8	100TGST112	—	TG100	.896	.672	.896
—	3/4P	100TGST075P	—	TG100	.906	.679	.812

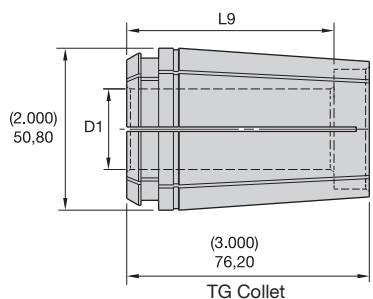
NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.
 Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.
 Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
 Never try to stretch the collets by clamping oversized cutting tools.

Collets and Sleeves

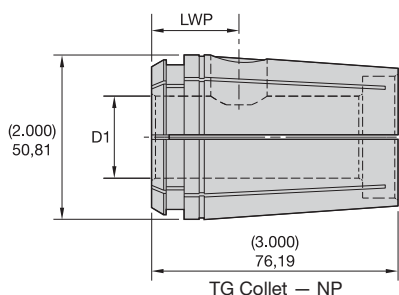
TG150 Series



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 0,4mm [.016" (1/64")] range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



TG Collet



TG Collet — NP

ERICKSON™

■ TG150 Series • Metric

D1	150TG standard	150TGNP standard — non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
12,0	150TG120M	—	12,0	11,6	44,0	—
13,0	150TG130M	—	13,0	12,6	44,0	—
14,0	150TG140M	—	14,0	13,6	44,0	—
14,5	150TG145M	—	14,5	14,1	44,0	—
15,0	150TG150M	—	15,0	14,6	54,0	—
16,0	150TG160M	—	16,0	15,6	54,0	—
18,0	150TG180M	—	18,0	17,6	54,0	—
19,0	150TG190M	—	19,0	18,6	76,2	—
20,0	150TG200M	—	20,0	19,6	76,2	—
21,0	150TG210M	—	21,0	20,6	76,2	—

(continued)

(TG150 Series continued)

D1	150TG standard	150TGNP standard — non-pullout	collet capacity max mm	collet capacity min mm	L9	LWP
22,0	150TG220M	—	22,0	21,6	76,2	—
25,0	150TG250M	—	25,0	24,6	76,2	—
25,0	—	150TGNP250M	25,0	—	—	22
25,5	150TG255M	—	25,5	25,1	76,2	—
26,0	150TG260M	—	26,0	25,6	76,2	—
27,0	150TG270M	—	27,0	26,6	76,2	—
28,0	150TG280M	—	28,0	27,6	76,2	—
30,0	150TG300M	—	30,0	29,6	76,2	—
32,0	150TG320M	—	32,0	31,6	76,2	—
32,0	—	150TGNP320M	32,0	—	—	22
34,0	150TG340M	—	34,0	33,6	76,2	—
35,0	150TG350M	—	35,0	34,6	76,2	—
36,0	150TG360M	—	36,0	35,6	76,2	—
38,0	150TG380M	—	38,0	37,6	76,2	—
40,0	150TG400M	—	40,0	39,6	76,2	—

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.

Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.

Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.

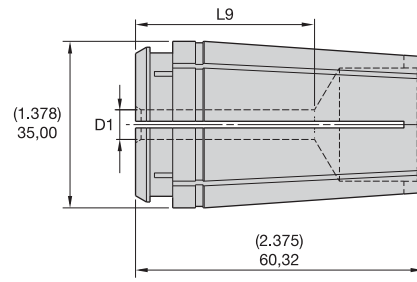
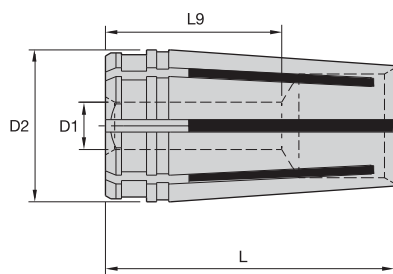
Never try to stretch the collets by clamping oversized cutting tools.

Collets and Sleeves

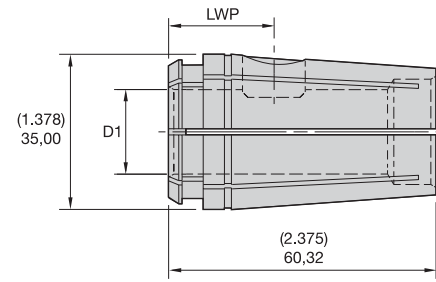
TG150 Series



- Provides Tremendous Grip (3:1 advantage) and accuracy for all drilling applications.
- Industry-standard Erickson™ single-angle collet system.
- 150TG 0,4mm [.016" (1/64)] range of collapse.
- 150TGCHP and 150TGNP 0,13mm (.005") range of collapse.
- Grips on back taper and margin of drill for maximum feed rates and more accurate holes.
- Manufactured to DIN 6499 Class 2 accuracy; see page K79.



TG Collet



TG Collet — NP



TG Collet



TG Collet — NP

ERICKSON™

■ TG150 Series • Inch

D1	150TG standard	150TGCHP high precision — coolant	150TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
3/8	150TG0375	—	—	.3750	.3594	2.000	—
25/64	150TG0391	—	—	.3906	.3750	2.000	—
13/32	150TG0406	—	—	.4063	.3906	2.000	—
27/64	150TG0422	—	—	.4219	.4063	2.000	—
7/16	150TG0438	—	—	.4375	.4219	2.000	—
29/64	150TG0453	—	—	.4531	.4375	2.000	—
15/32	150TG0468	—	—	.4688	.4531	2.000	—
31/64	150TG0484	—	—	.4844	.4688	2.000	—
1/2	150TG0500	—	—	.5000	.4844	2.560	—
1/2	—	—	150TGNP0500	.5000	—	—	.828
33/64	150TG0516	—	—	.5156	.5000	2.560	—
17/32	150TG0531	—	—	.5313	.5156	2.560	—

(continued)

(TG150 Series continued)

D1	150TG standard	150TGCHP high precision — coolant	150TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
35/64	150TG0547	—	—	.5469	.5313	2.560	—
9/16	150TG0562	—	—	.5625	.5469	2.560	—
37/64	150TG0578	—	—	.5781	.5625	2.560	—
19/32	150TG0594	—	—	.5938	.5781	2.560	—
39/64	150TG0609	—	—	.6094	.5938	2.560	—
5/8	150TG0625	—	—	.6250	.6094	2.560	—
5/8	—	—	150TGNP0625	.6250	—	—	.875
41/64	150TG0641	—	—	.6406	.6250	2.560	—
21/32	150TG0656	—	—	.6563	.6406	2.560	—
43/64	150TG0672	—	—	.6719	.6563	2.560	—
11/16	150TG0688	—	—	.6875	.6719	2.560	—
45/64	150TG0703	—	—	.7031	.6875	2.560	—
23/32	150TG0719	—	—	.7188	.7031	2.560	—
47/64	150TG0734	—	—	.7344	.7188	2.560	—
3/4	150TG0750	—	—	.7500	.7344	2.560	—
3/4	—	—	150TGNP0750	.7500	—	—	.938
49/64	150TG0766	—	—	.7656	.7500	2.560	—
25/32	150TG0781	—	—	.7813	.7656	2.560	—
51/64	150TG0797	—	—	.7969	.7813	2.560	—
13/16	150TG0812	—	—	.8125	.7969	2.560	—
53/64	150TG0828	—	—	.8281	.8125	2.560	—
27/32	150TG0844	—	—	.8438	.8281	2.560	—
55/64	150TG0859	—	—	.8594	.8438	2.560	—
7/8	150TG0875	—	—	.8750	.8594	2.560	—
7/8	—	—	150TGNP0875	.8750	—	—	.938
57/64	150TG0891	—	—	.8906	.8750	2.560	—
29/32	150TG0906	—	—	.9063	.8906	2.560	—
59/64	150TG0922	—	—	.9219	.9063	2.560	—
15/16	150TG0938	—	—	.9375	.9219	2.560	—
61/64	150TG0953	—	—	.9531	.9375	2.560	—
31/32	150TG0969	—	—	.9688	.9531	2.560	—
63/64	150TG0984	—	—	.9844	.9688	2.560	—
1	150TG1000	—	—	1.0000	.9844	2.560	—
1	—	150TGCHP1000	—	—	—	—	—
1	—	—	150TGNP1000	1.0000	—	—	1.063
1 1/64	150TG1016	—	—	1.0156	1.0000	2.560	—
1 1/32	150TG1031	—	—	1.0313	1.0156	2.560	—
1 3/64	150TG1047	—	—	1.0469	1.0313	2.560	—
1 1/16	150TG1062	—	—	1.0625	1.0469	2.560	—
1 5/64	150TG1078	—	—	1.0781	1.0625	2.560	—
1 3/32	150TG1094	—	—	1.0938	1.0781	2.560	—
1 7/64	150TG1109	—	—	1.1094	1.0938	2.560	—
1 9/64	150TG1141	—	—	1.1200	1.1094	2.560	—
1 1/8	150TG1125	—	—	1.1250	1.1200	2.560	—
1 5/32	150TG1156	—	—	1.1563	1.1250	2.560	—
1 11/64	150TG1172	—	—	1.1719	1.1563	2.560	—
1 3/16	150TG1187	—	—	1.1875	1.1719	2.560	—
1 13/64	150TG1203	—	—	1.2031	1.1875	2.560	—

(continued)

Collets and Sleeves

TG150 Series

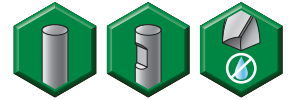


(TG150 Series continued)

D1	150TG standard	150TGCHP high precision — coolant	150TGNP milling — non-pullout	collet capacity max inch	collet capacity min inch	L9	LWP
1 7/32	150TG1219	—	—	1.2188	1.2031	2.560	—
1 15/64	150TG1234	—	—	1.2344	1.2188	2.560	—
1 1/4	150TG1250	—	—	1.2500	1.2344	2.560	—
1 1/4	—	—	150TGNP1250	1.2500	—	—	1.063
1 1/4	—	150TGCHP1250	—	—	—	—	—
1 17/64	150TG1266	—	—	1.2656	1.2500	2.560	—
1 9/32	150TG1281	—	—	1.2813	1.2656	2.560	—
1 19/64	150TG1297	—	—	1.2969	1.2813	2.560	—
1 5/16	150TG1312	—	—	1.3125	1.2969	2.560	—
1 21/64	150TG1328	—	—	1.3281	1.3125	2.560	—
1 11/32	150TG1344	—	—	1.3438	1.3281	2.560	—
1 23/64	150TG1359	—	—	1.3594	1.3438	2.560	—
1 3/8	150TG1375	—	—	1.3750	1.3594	2.560	—
1 25/64	150TG1391	—	—	1.3906	1.3750	2.560	—
1 13/32	150TG1406	—	—	1.4063	1.3906	2.560	—
1 27/64	150TG1422	—	—	1.4219	1.4063	2.560	—
1 7/16	150TG1438	—	—	1.4375	1.4219	2.560	—
1 29/64	150TG1453	—	—	1.4531	1.4375	2.560	—
1 15/32	150TG1469	—	—	1.4688	1.4531	2.560	—
1 1/2	150TG1500	—	—	1.5000	1.4688	2.560	—
1 1/2	—	—	150TGNP1500	1.5000	—	—	1.063
1 1/2	—	150TGCHP1500	—	—	—	—	—
1 31/32	150TG1484	—	—	1.9688	1.5000	2.560	—

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.
Full length of the gripping bore needs to be maintained to achieve maximum accuracy and safety.
Collet accuracies are based on size-for-size conditions. Using the collapsible range can influence the accuracy and gripping powers.
Never try to stretch the collets by clamping oversized cutting tools.

- An economical way to purchase a group of collets.



TG Collet

ERICKSON

■ TG150 Collet Set • Metric

catalog number	series	quantity	dimensional range	incremental division
150TGS000M	TG150	3	25mm - 40mm	25 & 32 & 40

■ TG150 Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S150TG1SET	TG150	65	1/2-1 1/2	1/64
S150TG2SET	TG150	33	1/2- 1 1/2	1/32
S150TG4SET	TG150	25	3/4-1 1/2	1/32



TG Collet — NP

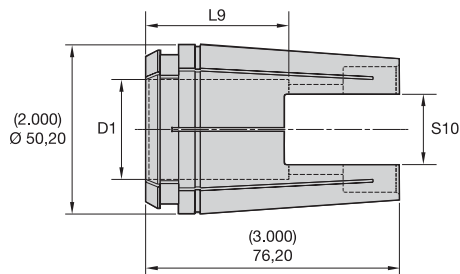
■ TG150 NP-Out Collet Set • Inch

catalog number	series	quantity	dimensional range	incremental division
S150TGNPSET	TG150	7	1/2 - 1 1/2	1/8(1/2-1) & 1/4(1 1/4-1 1/2)

Collets and Sleeves

TG150 Single-Angle Solid Tap Collets

- Can be used in all standard TG collet chucks.
- Provides Tremendous Grip (3:1 advantage) and accuracy for tapping applications.
- Slot in back of collets acts as a drive for the tap square.
- Industry-standard Erickson™ single-angle collet system.



ERICKSON™

■ TG150 Solid Tap Collet • Metric DIN and ISO

*** Metric DIN and ISO only available in TG50 and TG100 series ***

■ TG150 Solid Tap Collet • Inch/Metric ANSI

tap size		150TGST solid tap	collet series	D1	S10	L9
mm	in					
—	3/4	150TGST075	TG150	.590	.442	1.213
—	1/2P	150TGST050P	TG150	.688	.515	.812
—	3/8P	150TGST037P	TG150	.700	.531	.812
M25	1	150TGST100	TG150	.800	.600	1.463
M27	1 1/16 & 1 1/8	150TGST112	TG150	.896	.672	1.650
—	3/4P	150TGST075P	TG150	.906	.679	.906
M30	1 3/16 & 1 1/4	150TGST125	TG150	1.021	.766	1.750
M33	1 5/16 & 1 3/8	150TGST137	TG150	1.108	.831	1.687
—	1P	150TGST100P	TG150	1.125	2.142	.906
M36	1 7/16 & 1 1/2	150TGST150	TG150	1.233	.925	1.625
M39	1 5/8	150TGST162	TG150	1.305	.979	1.625
—	1 1/4P	150TGST125P	TG150	1.313	2.085	.963
M42	1 3/4	150TGST175	TG150	1.430	1.072	1.500
—	1 1/2P	150TGST150P	TG150	1.500	1.898	1.150

NOTE: Inserting the cutting tool less than 2/3 of the gripping length into the collet can influence the coolant sealing performance and permanently damage the collet.

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WIN WITH WIDIA™



ProGroove™

With easy-to-change inserts available in multiple high-performance carbide grades, the ProGroove system ensures accurate, reliable, and reproducible cutting edge performance.

ProGroove Grooving and Cut-Off

- Single-end inserts for grooving and cut-off.
- Offered with integral shanks and blades.
- Shallow, deep grooving, and cut-off capabilities.
- Available in four different geometries.

To learn more about our innovations, contact your local Authorized Distributor or visit www.widia.com.

WIDIA 
Win with WIDIA™