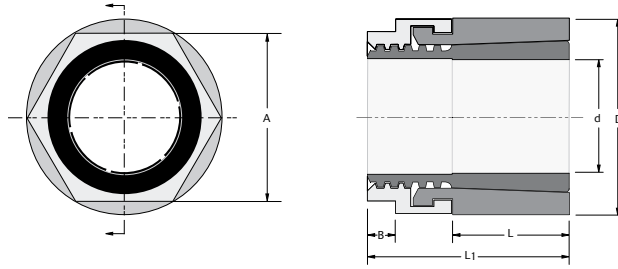


Trantorque®
Mini
Inch



TOLERANCE (T_t)

T_t for shaft and bore is ± .0015" for all sizes

Trantorque Mini – Inch

Part Number				d (inch)	D (inch)	L (inch)	L ₁ (inch)	Wrench Size	B (inch)	M _a †	Shipping Weight (lb)
Steel	Electroless Nickel Plated Steel	Thin Dense Chrome Coated Steel	Stainless Steel					A (inch)		Install Torque (in lb)	
6410013	6202102EN	6410013DC	6990102	1/8	5/8	3/8	3/4	1/2	1/8	125	0.1
6410019	6202103EN	6410019DC	6990103	3/16	5/8	3/8	3/4	1/2	1/8	125	0.1
6410025	6202105EN	6410025DC	6990105	1/4	5/8	3/8	3/4	1/2	1/8	125	0.1
6410031	6202107EN	6410031DC	6990107	5/16	3/4	7/16	7/8	5/8	1/8	250	0.1
6410038	6202109EN	6410038DC	6990109	3/8	3/4	7/16	7/8	5/8	1/8	250	0.1
6410044	6202110EN	6410044DC	6990110	7/16	7/8	1/2	1	3/4	3/16	390	0.1
6410050	6202112EN	6410050DC	6990112	1/2	7/8	1/2	1	3/4	3/16	390	0.1
6410056	6202114EN	6410056DC	6990114	9/16	1	5/8	1 1/8	7/8	3/16	585	0.1
6410063	6202115EN	6410063DC	6990115	5/8	1	5/8	1 1/8	7/8	3/16	585	0.1

Performance Data Table

d (inch)	M _t †	T _h	P _h *
	Maximum Transmitted		Hub Pressure (psi)
	Torque (in lb)	Thrust (lbs)	
1/8	91	1459	16513
3/16	137	1459	16513
1/4	182	1459	16513
5/16	366	2345	18960
3/8	440	2345	18960
7/16	669	3057	18535
1/2	764	3057	18535
9/16	1110	3948	16754
5/8	1234	3948	16754

MULTIPLIERS

Steel	1.0
Electroless Nickel Plated Steel	0.8
Thin Dense Chrome Coated Steel	1.0
Stainless Steel	0.35

The data in the Performance Data Table is for a steel unit. To obtain data for other materials, use the multiplier provided.

For example, you require a 1/4" (d) Electroless Nickel Plated Trantorque Mini.

Find 1/4" (d) in Performance Data Table and use the multiplier of 0.8 for Electroless Nickel Plated Steel.

$$M_t: 182 \times 0.8 = 146$$

$$T_h: 1459 \times 0.8 = 1167$$

$$*P_h: 16513 \times 0.8 = 13210$$

***IMPORTANT:**

After hub pressure (P_h) is determined, record D, L and P_h and refer to page 70 to calculate the minimum hub diameter.

† When installing Trantorque Mini with an open-ended wrench, a reduction in installation torque by 50% is recommended. This will result in a Transmitted Torque (M_t) reduced by 50%.



TOLERANCE (T_L)

T_L for shaft and bore is ± .04mm for all sizes

Trantorque Mini – Metric

Part Number				d (mm)	D (mm)	L (mm)	L ₁ (mm)	Wrench Size	B (mm)	M _a †	Shipping Weight (kg)
Steel	Electroless Nickel Plated Steel	Thin Dense Chrome Coated Steel	Stainless Steel					A (mm)		Install Torque (Nm)	
TTQM0316	TTQM0316EN	TTQM0316DC	TTQM0316SS	3	16	10	19	13	3	14	0.02
TTQM0416	TTQM0416EN	TTQM0416DC	TTQM0416SS	4	16	10	19	13	3	14	0.02
TTQM0516	TTQM0516EN	TTQM0516DC	TTQM0516SS	5	16	10	19	13	3	14	0.02
TTQM0616	TTQM0616EN	TTQM0616DC	TTQM0616SS	6	16	10	19	13	3	14	0.02
TTQM0720	TTQM0720EN	TTQM0720DC	TTQM0720SS	7	20	11	22	16	3	28	0.03
TTQM0820	TTQM0820EN	TTQM0820DC	TTQM0820SS	8	20	11	22	16	3	28	0.03
TTQM0920	TTQM0920EN	TTQM0920DC	TTQM0920SS	9	20	11	22	16	3	28	0.03
TTQM1023	TTQM1023EN	TTQM1023DC	TTQM1023SS	10	23	13	26	19	5	44	0.05
TTQM1123	TTQM1123EN	TTQM1123DC	TTQM1123SS	11	23	13	26	19	5	44	0.05
TTQM1223	TTQM1223EN	TTQM1223DC	TTQM1223SS	12	23	13	26	19	5	44	0.05
TTQM1426	TTQM1426EN	TTQM1426DC	TTQM1426SS	14	26	16	29	22	5	66	0.06
TTQM1526	TTQM1526EN	TTQM1526DC	TTQM1526SS	15	26	16	29	22	5	66	0.06
TTQM1626	TTQM1626EN	TTQM1626DC	TTQM1626SS	16	26	16	29	22	5	66	0.06

Performance Data Table

d (mm)	M _t †	Th	Ph*
	Maximum Transmitted		Hub Pressure (N/mm ²)
	Torque (Nm)	Thrust (kN)	
3	10	6	112
4	13	6	112
5	16	6	112
6	19	6	112
7	36	10	123
8	41	10	123
9	47	10	123
10	68	14	123
11	75	14	123
12	81	14	123
14	123	18	113
15	132	18	113
16	140	18	113

MULTIPLIERS

Steel	1.0
Electroless Nickel Plated Steel	0.8
Thin Dense Chrome Coated Steel	1.0
Stainless Steel	0.35

The data in the Performance Data Table is for a steel unit. To obtain data for other materials, use the multiplier provided.

For example, you require a 8mm (d) Electroless Nickel Plated Trantorque Mini.

Find 8mm (d) in Performance Data Table and use the multiplier of 0.8 for Electroless Nickel Plated Steel.

$$M_t : 41 \times 0.8 = 33$$

$$T_h : 10 \times 0.8 = 8$$

$$*P_h : 123 \times 0.8 = 98$$

***IMPORTANT:**

After hub pressure (P_h) is determined, record D, L and Ph and refer to page 70 to calculate the minimum hub diameter.

† When installing Trantorque Mini with an open-ended wrench, a reduction in installation torque by 50% is recommended. This will result in a Transmitted Torque (M_t) reduced by 50%.