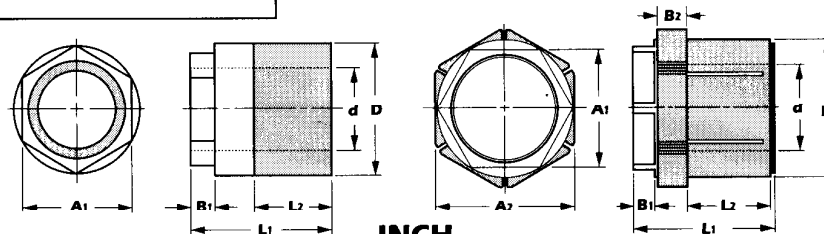


Imperial

Steel

Shaft and bore tolerances required
mini $\pm 0.0015''$
standard $\pm 0.003''$

Axial movement on tightening of nut
mini $\pm 0.045''$ (approx.)
standard $\pm 0.075''$ (approx.)



Trantorque Mini Series

INCH
POUND
SYSTEM

Trantorque GT

	Part number	Shaft dia. (d)	Component bore (D)	Max. transmissible torque (in. lbs.)	Max. transmissible thrust (lbs.)	Hub pressure (psi)	L ₁	L ₂	A ₁	A ₂	B ₁	B ₂
MINI SERIES Trantorque	6202103	3/16	5/8	100	700	5200	3/4	3/8	1/2	na	1/8	na
	6202105	1/4	5/8	150	790	5200	3/4	3/8	1/2	na	1/8	na
	6202107	5/16	3/4	200	890	3700	7/8	7/16	5/8	na	1/8	na
	6202109	3/8	3/4	250	925	3700	7/8	7/16	5/8	na	1/8	na
	6202110	7/16	7/8	300	950	2700	1	1/2	3/4	na	3/16	na
	6202112	1/2	7/8	350	980	2700	1	1/2	3/4	na	3/16	na
	6202114	9/16	1	400	990	1800	1-1/8	5/8	7/8	na	3/16	na
	6202115	5/8	1	450	1000	1800	1-1/8	5/8	7/8	na	3/16	na
	6202119	3/4	1-1/4	1500	2000	8000	1-3/8	3/4	1-1/16	na	1/4	na
	6202120	5/8	1-1/2	1750	3300	11000	1-1/2	3/4	1-1/4	1-1/2	5/16	5/16
STANDARD SERIES Trantorque GT	6202140	11/16	1-1/2	2000	3850	11000	1-1/2	3/4	1-1/4	1-1/2	5/16	5/16
	6202160	3/4	1-1/2	2500	4400	11000	1-1/2	3/4	1-1/4	1-1/2	5/16	5/16
	6202190	13/16	1-3/4	2600	4950	9400	1-7/8	7/8	1-1/2	1-3/4	7/16	3/8
	6202200	7/8	1-3/4	2800	5500	9400	1-7/8	7/8	1-1/2	1-3/4	7/16	3/8
	6202220	15/16	1-3/4	3100	6050	9400	1-7/8	7/8	1-1/2	1-3/4	7/16	3/8
	6202240	1	1-3/4	3500	6600	9400	1-7/8	7/8	1-1/2	1-3/4	7/16	3/8
	6202270	1-1/16	2	4000	7000	7800	2-1/4	1	1-3/4	2	1/2	9/16
	6202280	1-1/8	2	4600	7500	7800	2-1/4	1	1-3/4	2	1/2	9/16
	6202300	1-3/16	2	5200	8000	7800	2-1/4	1	1-3/4	2	1/2	9/16
	6202320	1-1/4	2	6000	8500	7800	2-1/4	1	1-3/4	2	1/2	9/16
	6202350	1-5/16	2-3/8	6200	9000	6500	2-3/4	1-1/2	2	2-3/8	9/16	1/2
	6202360	1-3/8	2-3/8	6400	9500	6500	2-3/4	1-1/2	2	2-3/8	9/16	1/2
	6202380	1-7/16	2-3/8	6700	10000	6500	2-3/4	1-1/2	2	2-3/8	9/16	1/2
	6202400	1-1/2	2-3/8	7000	10500	6500	2-3/4	1-1/2	2	2-3/8	9/16	1/2
	6202430	1-9/16	2-5/8	8000	11000	5500	3-1/8	1-11/16	2-1/4	2-5/8	9/16	11/16
	6202440	1-5/8	2-5/8	8500	11750	5500	3-1/8	1-11/16	2-1/4	2-5/8	9/16	11/16
	6202460	1-11/16	2-5/8	9250	12250	5500	3-1/8	1-11/16	2-1/4	2-5/8	9/16	11/16
	6202480	1-3/4	2-5/8	10000	12750	5500	3-1/8	1-11/16	2-1/4	2-5/8	9/16	11/16
	6202510	1-13/16	2-7/8	11000	13250	4200	3-9/16	2	2-1/2	2-7/8	5/8	3/4
	6202520	1-7/8	2-7/8	11750	14000	4200	3-9/16	2	2-1/2	2-7/8	5/8	3/4
	6202540	1-15/16	2-7/8	12750	14500	4200	3-9/16	2	2-1/2	2-7/8	5/8	3/4
	6202560	2	2-7/8	14000	15000	4200	3-9/16	2	2-1/2	2-7/8	5/8	3/4

Items in bold preferred stock.

Larger sizes (up to 3" bore), production quantities of electroless nickel plate and 303 stainless, details upon request.

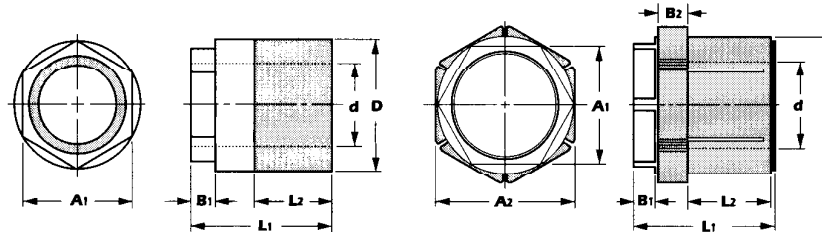
Shaft and bore tolerances required
mini $\pm 0.038\text{mm}$
standard $\pm 0.076\text{mm}$

Axial movement on tightening of nut
mini $\pm 1.1\text{mm}$ (approx.)
standard $\pm 1.9\text{mm}$ (approx.)

DAVAL GEARS
Trantorque

Metric

Steel



Trantorque Mini Series

**METRIC
SYSTEM**

Trantorque GT

	Part number	Shaft dia. (d)	Component bore (D)	Max. transmissible torque (N-m)	thrust (Kn)	Hub pressure (N/cm²)	L ₁	L ₂	A ₁	A ₂	B ₁	B ₂
MINI SERIES Trantorque	6202650	5	16.0	12	3.2	3585	19.0	9.5	13.0	na	3.0	na
	6202660	6	16.0	16	3.4	3585	19.0	9.5	13.0	na	3.0	na
	6202670	7	19.0	20	3.5	2550	22.0	11.0	16.0	na	3.0	na
	6202680	8	19.0	23	4.0	2550	22.0	11.0	16.0	na	3.0	na
	6202690	9	19.0	26	4.1	2550	22.0	11.0	16.0	na	3.0	na
	6202700	10	22.5	30	4.2	1860	25.5	12.5	19.0	na	5.0	na
	6202710	11	22.5	34	4.2	1860	25.5	12.5	19.0	na	5.0	na
	6202720	12	22.5	39	4.3	1860	25.5	12.5	19.0	na	5.0	na
	6202740	14	25.5	44	4.4	1240	28.5	16.0	22.0	na	5.0	na
	6202750	15	25.5	45	4.4	1240	28.5	16.0	22.0	na	5.0	na
STANDARD SERIES Trantorque GT	6202760	16	25.5	50	4.5	1240	28.5	16.0	22.0	na	5.0	na
	6202770	17	32.0	170	8.9	5500	35.0	19.0	27.0	na	6.0	na
	6202800	15	38.0	180	13.4	7590	38.0	19.0	32.0	38.1	8.0	8.0
	6202803	16	38.0	198	15.0	7590	38.0	19.0	32.0	38.1	8.0	8.0
	6202804	17	38.0	220	17.0	7590	38.0	19.0	32.0	38.1	8.0	8.0
	6202805	18	38.0	265	18.1	7590	38.0	19.0	32.0	38.1	8.0	8.0
	6202808	19	38.0	282	19.9	7590	38.0	19.0	32.0	38.1	8.0	8.0
	6202811	20	45.0	290	21.0	6480	47.5	21.5	38.0	44.5	11.0	9.5
	6202815	22	45.0	315	24.1	6480	47.5	21.5	38.0	44.5	11.0	9.5
	6202820	24	45.0	380	27.2	6480	47.5	21.5	38.0	44.5	11.0	9.5
	6202825	25	45.0	390	28.7	6480	47.5	21.5	38.0	44.5	11.0	9.5
	6202830	28	51.0	495	32.6	5380	57.0	25.5	46.0	50.8	13.0	14.5
	6202835	30	51.0	580	35.4	5380	57.0	25.5	46.0	50.8	13.0	14.5
	6202840	32	51.0	680	38.2	5380	57.0	25.5	46.0	50.8	13.0	14.5
	6202845	34	60.5	710	41.0	4480	70.0	38.0	50.0	60.3	14.0	13.0
	6202850	35	60.5	725	42.4	4480	70.0	38.0	50.0	60.3	14.0	13.0
	6202855	36	60.5	750	43.8	4480	70.0	38.0	50.0	60.3	14.0	13.0
	6202860	38	60.5	790	46.6	4480	70.0	38.0	50.0	60.3	14.0	13.0
	6202865	40	67.0	900	49.7	3790	79.5	43.0	60	66.7	14.5	17.5
	6202870	42	67.0	1000	53.3	3790	79.5	43.0	60	66.7	14.5	17.5
	6202876	45	73.0	1170	57.5	2900	90.5	51.0	65	73.0	16.0	19.0
	6202880	48	73.0	1355	62.9	2900	90.5	51.0	65	73.0	16.0	19.0
	6202885	50	73.0	1510	65.7	2900	90.5	51.0	65	73.0	16.0	19.0

Larger sizes (up to 75mm bore), production quantities of electroless nickel plate and 303 stainless, details upon request.

We accept payment by VISA, Mastercard and Eurocard.

TRANTORQUE

the problem
solver for
solving 'your'
problem.

Simple, positive fixing avoids
need for keyways.

Enables use of smaller
diameter shafts.

Ideal for mounting thin, hubless,
gears etc on rotating shafts.

Infinite axial and radial
positional adjustment.

Can be fitted over damaged
or worn keyways.

Ideal for new product
development.

SOLVING THE PROBLEM

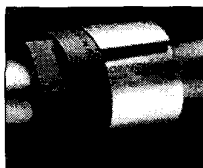
TRANTORQUE is the solution to the problems of keyed mountings — a keyless bushing ideal for critical timing and high-torque applications. TRANTORQUE is a single-nut locking bushing with interlocking components that ensure positive release.

Easy to install. TRANTORQUE requires no special machining or cutting of keyways. It can be easily adjusted or removed, and allows the kind of infinite positioning that's critical for precise timing and synchronization.

Because it functions as a mechanical shrink fit, there is no movement between the holding device and the shaft, thus eliminating the problems of fretting corrosion, backlash and key wallowing.

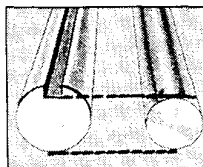
WHY TRANTORQUE® IS BETTER THAN A KEYED MOUNTING

■ Eliminate Keys. Keyways. Setscrews



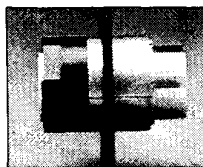
Eliminate costly matching with inexpensive Trantorque mounts. They grip like a shrink-fit on shaft and bore, and resist shocks and torque reversals better than keyways. Single-nut design self-centres accurately, locks or unlocks with the twist of a spanner.

■ Use Smaller Shafts



Trantorque mounts eliminate the weak spot in shafts and hubs caused by machining keyways. This, plus Trantorque's inherent rigidity, permits smaller and less expensive shafts and bearings with equal strength and stiffness.

■ Mount Hubless Devices



Trantorque mounts are unique in their ability to mount thin hubless devices. They need not be completely within the bore. This permits mounting plate sprockets, hubless gears, disc brakes, etc. — often at substantial savings to the user or OEM.

■ Infinite, Precise Radial Adjustment



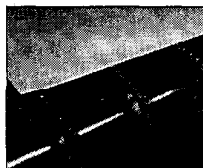
The positive lock and release action of Trantorque mounts permits exact initial positioning with easy readjustment at a later date. This is not possible with fixed keyed connections.

■ Retrofit and Repair



Trantorque mounts can be used directly over empty keyways to repair a worn or damaged connection. Both metric and imperial units are available making it easy to quickly return machinery to service.

■ Speed Prototype Development



Trantorque's easy installation, adjustment and removal permit great freedom and flexibility in new-product development. Trantorque mounts can be removed and reinstalled many times ... a major advantage on prototype or final product.