

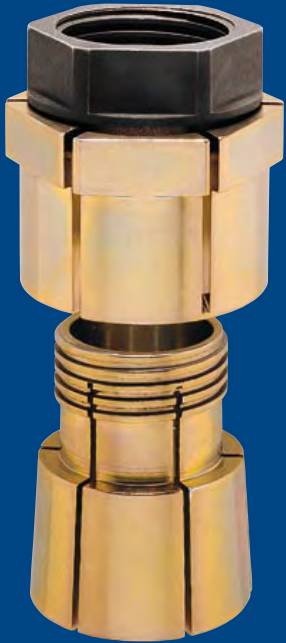
- ZERO BACKLASH
- NO KEYWAYS REQUIRED
- SINGLE NUT TIGHTENING
- INFINITE POSITIONING ALLOWED
- EXTENDED LIFESPAN
- HIGHLY CONCENTRIC

Trantorque ™
Keyless Bushings

For Superior Performance & Reduced Cost Assembly/Maintenance

TRANTORQUE GT BENEFITS

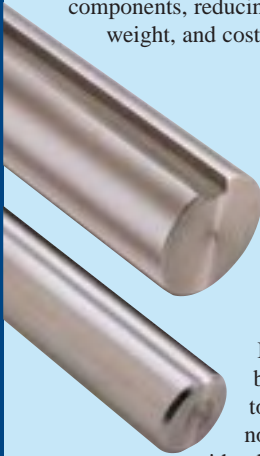
With fewer component parts, Trantorque GT offers significant installation advantages, reducing downtime and operating costs. The single GT nut can be torqued-up in seconds...



...versus the time consuming tightening of multiple locking screws as required by competitive units. In addition, many competitive units must be installed carefully to keep the mounted component from cocking.



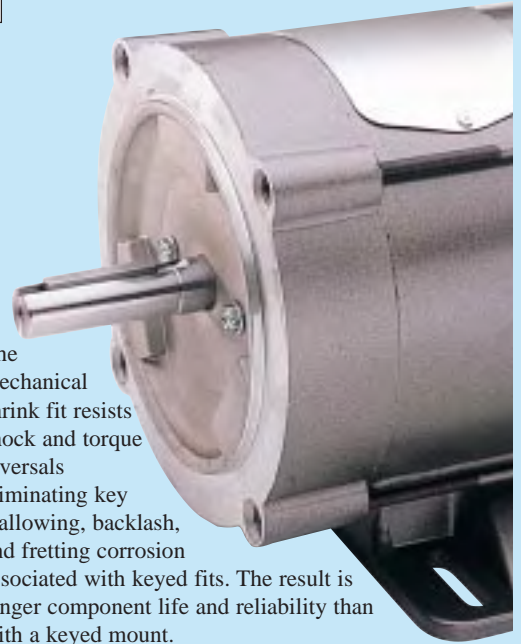
Machining keyways or flats creates a weak spot in the shaft. Since a keyway does not have to be cut in the shaft, a given shaft size can transmit greater torque, or you can downsize both the shaft and components, reducing size, weight, and cost.



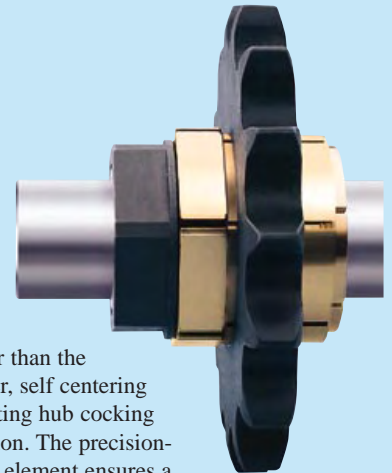
In addition, because tolerances are not as critical as with a keyed mount, a less expensive shaft can be used. In fact, an unfinished shaft is preferred.



The unique single nut positive lock and release action permits precise axial or radial positioning of a component on a shaft. Trantorque GT can easily be adjusted or moved, allows for infinite positioning that's critical on those applications that require synchronisation or timing.



The mechanical shrink fit resists shock and torque reversals eliminating key wallowing, backlash, and fretting corrosion associated with keyed fits. The result is longer component life and reliability than with a keyed mount.

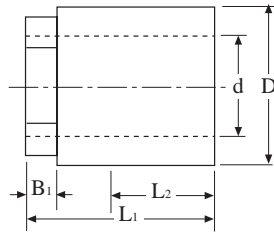
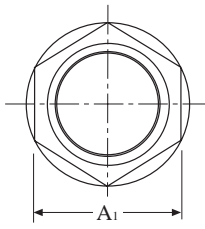


A unique GT feature is the ability to mount hubless components. Since the axial length is greater than the outside diameter, self centering occurs, eliminating hub cocking during installation. The precision-machined outer element ensures a perpendicular, flat mounting face. This allows the use of plate sprockets, hubless gears, disc brakes, etc., often at substantial cost savings.

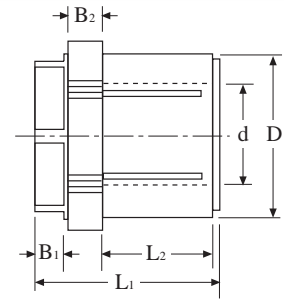
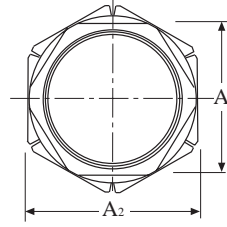
Trantorque GT units can be used directly over empty keyways to repair a worn or damaged connection. Both "inch-pound" and metric units are available, making it easy to return both domestic and foreign machinery to service quickly.



ENGINEERING DATA - SELECTION



Trantorque Mini Series



Trantorque GT

METRIC RANGE

	Product Codes	DIMENSIONS								PERFORMANCE				
		d	D	L ₁	L ₂	A ₁	A ₂	B ₁	B ₂	Max. Transmissible Torque Nm	Thrust kgf	Hub Press N/cm ²	Nut Torque Nm	Approx Mass kg
Miniature Series Trantorque	6202650	5	16	19	9.5	13	-	3	-	12	323	3585	14.1	0.014
	6202660	6	16	19	9.5	13	-	3	-	16	349	3585	14.1	0.014
	6202670	7	19	22	11	16	-	3	-	20	350	2550	17	0.028
	6202680	8	19	22	11	16	-	3	-	23	405	2550	17	0.028
	6202690	9	19	22	11	16	-	3	-	26	414	2550	17	0.028
	6202700	10	22.5	25.5	12.5	19	-	5	-	30	423	1860	20	0.042
	6202710	11	22.5	25.5	12.5	19	-	5	-	34	430	1860	20	0.042
	6202720	12	22.5	25.5	12.5	19	-	5	-	39	439	1860	20	0.042
	6202740	14	25.5	28.5	16	22	-	5	-	44	449	1240	23	0.056
	6202750	15	25.5	28.5	16	22	-	5	-	45	45	1240	23	0.056
	6202760	16	25.5	28.5	16	22	-	5	-	50	459	1240	23	0.056
	Standard Series Trantorque GT	6202800	15	38	38	19	32	38.1	8	8	180	1366	7600	136
6202803		16	38	38	19	32	38.1	8	8	198	1500	7600	136	0.23
6202804		17	38	38	19	32	38.1	8	8	220	1700	7600	136	0.23
6202805		18	38	38	19	32	38.1	8	8	265	1835	7600	136	0.23
6202808		19	38	38	19	32	38.1	8	8	282	2000	7600	136	0.23
6202811		20	45	47.5	21.5	38	44.5	11	9.5	290	2140	6500	170	0.31
6202815		22	45	47.5	21.5	38	44.5	11	9.5	315	2446	6500	170	0.31
6202820		24	45	47.5	21.5	38	44.5	11	9.5	380	2752	6500	170	0.31
6202825		25	45	47.5	21.5	38	44.5	11	9.5	390	2870	6500	170	0.31
6202830		28	51	57.0	25.5	46	50.8	13	14.5	495	3262	5400	225	0.45
6202835		30	51	57.0	25.5	46	50.8	13	14.5	580	3540	5400	225	0.45
6202840		32	51	57.0	25.5	46	50.8	13	14.5	680	3820	5400	225	0.45
6202845		34	60.5	70	38	50	60.3	14	13	710	4100	4500	260	0.77
6202850		35	60.5	70	38	50	60.3	14	13	725	4240	4500	260	0.77
6202855		36	60.5	70	38	50	60.3	14	13	750	4380	4500	260	0.77
6202860		38	60.5	70	38	50	60.3	14	13	790	4660	4500	260	0.77
6202865		40	67	79.5	43	60	66.7	14.5	17.5	900	4970	3800	316	1.05
6202870		42	67	79.5	43	60	66.7	14.5	17.5	1000	5330	3800	316	1.05
6202876	45	73	90.5	51	65	73	16	19	1170	5750	2900	554	1.36	
6202880	48	73	90.5	51	65	73	16	19	1355	6290	2900	554	1.36	
6202885	50	73	90.5	51	65	73	16	19	1510	6570	2900	554	1.36	
Large Series Trantorque	6202900	55	80	95.3	54	70	79.4	16	20.5	1650	6780	2400	600	2.13
	6202910	60	86	98.4	57.2	75	85.7	17.5	19	1740	6870	2000	635	2.27
	6202920	65	92	103.2	60.3	82	92.1	17.5	20.5	1830	6950	1700	680	2.68
	6202930	70	92	103.2	60.3	82	92.1	17.5	20.5	1920	7040	1700	680	2.68
	6202940	75	100	108	63.5	90	98.4	19.0	20.5	2000	7150	1600	750	2.72

Equivalent Imperial sizes available from stock.

To select the Trantorque GT required look for 'd' to suit the shaft size you are using and check that the torque (Nm) is adequate. Remember to make allowances for shock loads (consult BTL for more details).

Allowable tolerance of shafts and hub bores

For all standard and large series

0.076 mm

For all miniature series

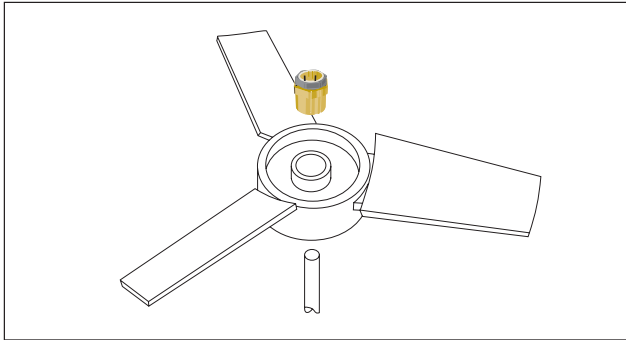
0.038 mm

Concentricity

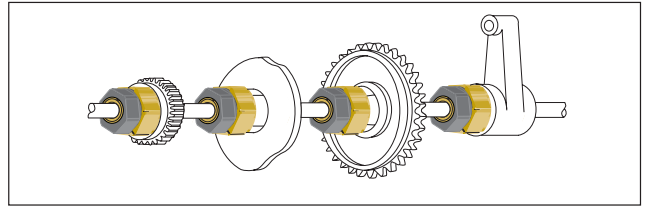
The Trantorque GT units are highly concentric giving better balance to assembled units. They are concentric to within 0.025mm.

Special Options:- Trantorque is available in Stainless Steel and Nickel plated versions. Also short series and non-traversing models available.

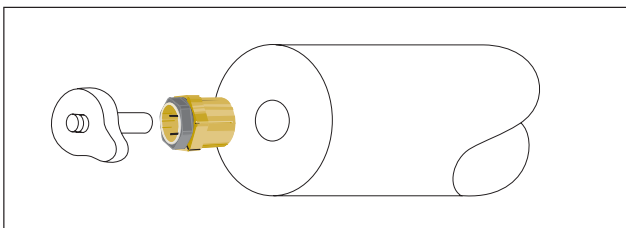
Put Trantorque® to work in all kinds of applications



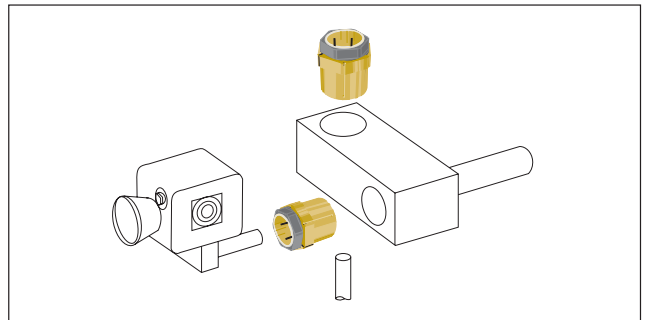
Quick and easy assembly and disassembly of ventilator fans



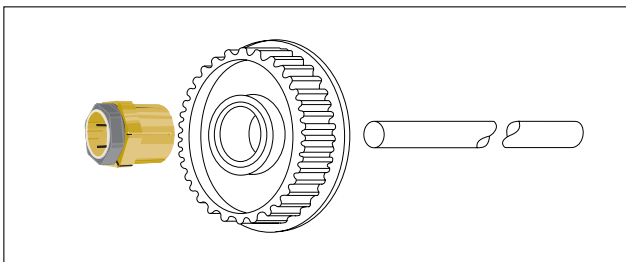
Positioning and synchronisation of individual components on a common shaft



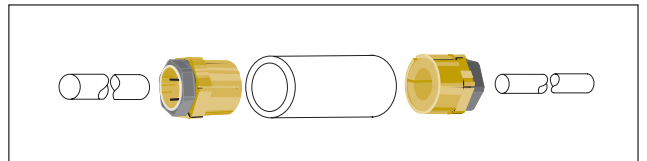
Assembly and/or chocking of small components on the end of large shafts



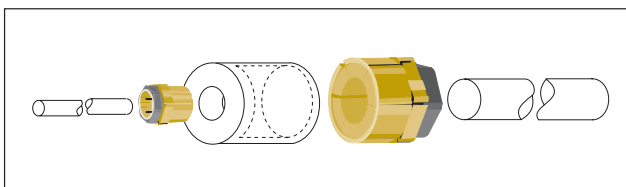
Multi-directional positioning of instruments and machine parts



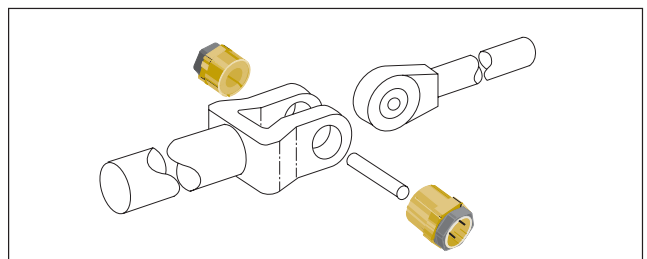
Backlash free mounting and synchronisation of timing pulleys



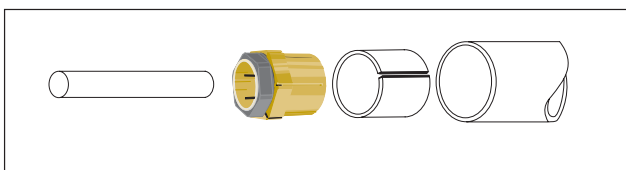
Rigid shaft coupling or roller fabrication



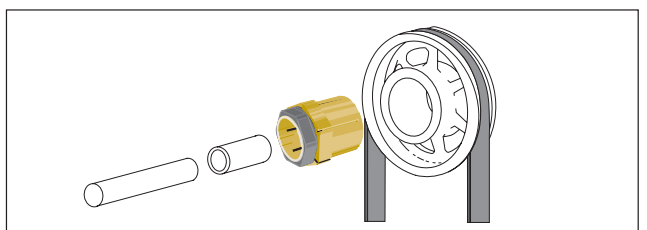
Centric coupling of varying shaft diameters



Alignment and fixing of forged or welded parts (removing the need for presswork)



Coupling of over dimensioned component with Trantorque and split sleeve



Quick change sockets make costly and time consuming press fits redundant