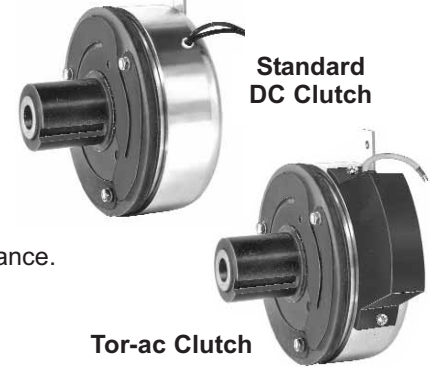


# CTS Clutch – Thru Shaft

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- CSA certified.
- Ball-bearing mounted stationary field for long trouble-free operation.
- Sleeve bearing in driven hub supports customer-supplied pulley, gear, or sprocket.
- Spline drive for long life under heavy loads.
- Available with spring release.
- Zinc plated magnet body for corrosion resistance.
- Epoxy encapsulated coil construction for uniform heat transfer and moisture resistance.
- Class H magnet wire and potting material.

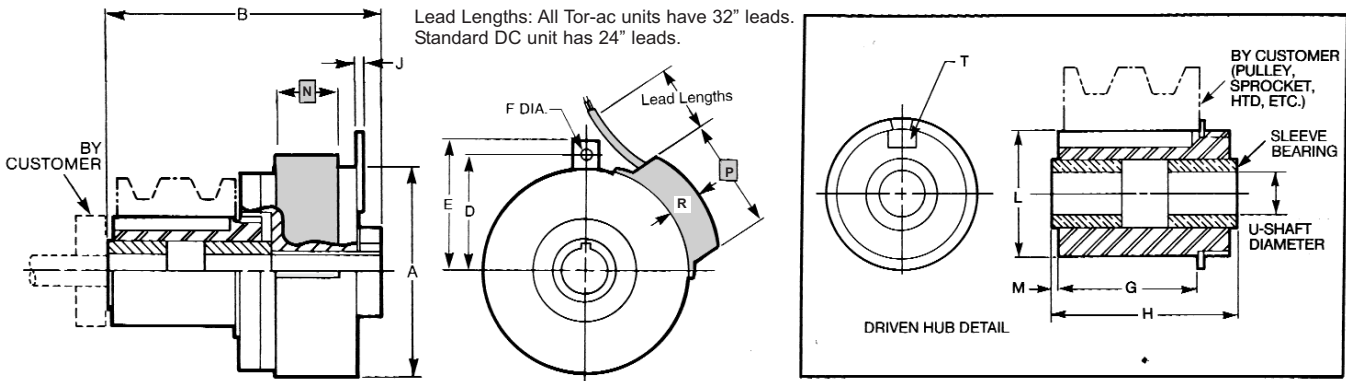
Refer to *Installation and Service Instructions Sheet 8-078-862-00*.



## Dimensional Data (In Inches)

Size	A	B	D	E	F	G	H	J	L	M	N	P	R	T	U (through bore)
3	2.67	3.32	1.56	1.75	.13	1.44	1.93	.06	1.374 1.375	.06	–	–	–	5/16 x 5/32	3/8, 1/2
3.5	3.19	3.39	1.81	2.00	.19	1.50	1.95	.06	1.374 1.375	.06	1.00	2.74	.80	5/16 x 5/32	3/8, 1/2, 5/8
5	4.31	3.91	2.50	2.84	.19	1.50	2.14	.09	1.374 1.375	.06	1.00	2.81	.69	5/16 x 5/32	1/2, 5/8, 3/4,

**IMPORTANT NOTE:** Information and dimensioning relating to Tor-ac units shown in shaded area.



Dimensions are for estimating only and subject to change without notice. For installation purposes, request certified prints.

## Performance/List Price Data

Catalog Number	Size	Type	Basic Model Number	Nominal Static Torque (lb-in)	Nominal Dynamic Torque at 1800 RPM (lb-in)	Max. RPM <sup>②</sup>	Inertia		Thermal Capacity (ft-lb/min) <sup>①</sup>	Approx. Weight (lbs)	Max Power (watts)	List Price <sup>③</sup>
							Driven Side (lb-ft <sup>2</sup> )	Drive Side (lb-ft <sup>2</sup> )				
CTS-30	3	standard	2-11-2502-05	60	40	7000	2.4 x 10 <sup>-3</sup>	1.67 x 10 <sup>-3</sup>	1650	2.5	9	\$952.00
CTS-30S		spring rel.	2-11-2502-09									
CTS-35	3.5	standard	2-11-3141-06	100	65	5000	4.7 x 10 <sup>-3</sup>	2.96 x 10 <sup>-3</sup>	2750	3.5	11	1200.00
CTS-35S		spring rel.	2-11-3141-07									
CTS-35T	3.5	standard	2-11-3190-00	100	65	5000	4.7 x 10 <sup>-3</sup>	2.96 x 10 <sup>-3</sup>	2750	3.5	11	1384.00
CTS-35ST		spring rel.	2-11-3190-01									
CTS-50	5	standard	2-11-4267-00	275	160	5000	5.7 x 10 <sup>-3</sup>	1.47 x 10 <sup>-2</sup>	4400	5.4	14	1368.00
CTS-50S		spring rel.	2-11-4267-01									
CTS-50T	5	standard	2-11-4290-00	275	160	5000	5.7 x 10 <sup>-3</sup>	1.47 x 10 <sup>-2</sup>	4400	5.4	14	1552.00
CTS-50ST		spring rel.	2-11-4290-01									

① Thermal capacity rating is based on ambient temperature of 70°F at 1750 RPM.

② RPM value stated is for ball bearing mount magnet body. See ASTM B 438 for further information on copper based sleeve bearings used in the driven hubs.

③ List prices subject to change without notice.

## Ordering Information

Example of a complete part number:

2-11-2502-05-H J G — 3/8 bore  
 90-100 Vdc  
 5/8 bore 3/16 x 3/32 keyway

### Bore and Keyway Table\*

Character	D	F	G	H	I	J	K	L	M	N
<b>Bore/Shaft Dia. (in.)</b>	1/4	5/16	3/8	3/8	1/2	1/2	5/8	5/8	3/4	3/4
<b>Keyway (inches)</b>	1/16 ξ 1/32	1/16 ξ 1/32	none	3/32 ξ 3/64	none	1/8 ξ 1/16	none	3/16 ξ 3/32	none	3/16 ξ 3/32

\*Special or metric bores available, consult factory.

### Voltage Table

Character	Voltage
C	12 Vdc
E	24-28 Vdc
J	90-100 Vdc
N*	115 Vac*

\*Includes rectifier.  
 Not available on size 3.