

**Applications :**

**Material Handling**

Conveyors  
Crushers  
Haulages  
Winches  
Cranes  
Trolleys

**Processing Equipments**

Rotary Driers  
Filters  
Mixers, Agitators  
Centrifuges  
Blenders  
Ball Mills  
Hammer Mill  
Pulverisers

**Oil Extraction**

Oil Expellers  
Digestors  
Toasters (D.T.)  
Cookers

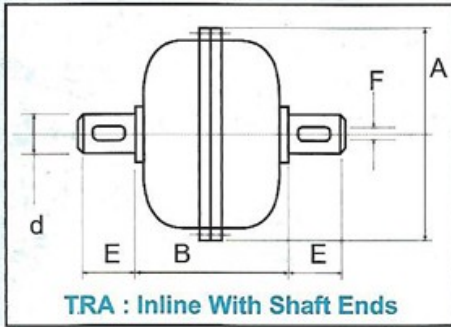
**Marine**

Marine Transmission  
Haulages  
Winches

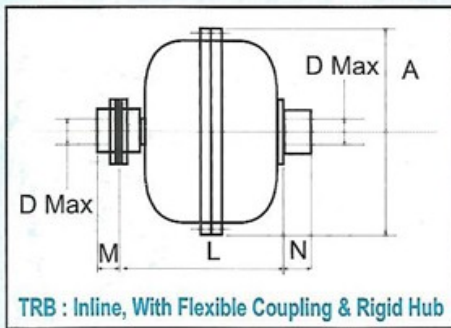
**General applications**

Pumps  
Compressors  
Fans  
Textile Machinery  
Paper Machinery  
Sugar Machinery  
Carding Machinery  
Marble, Mining Machinery

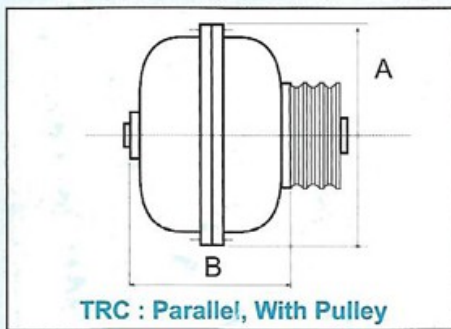
**Coupling Types :**



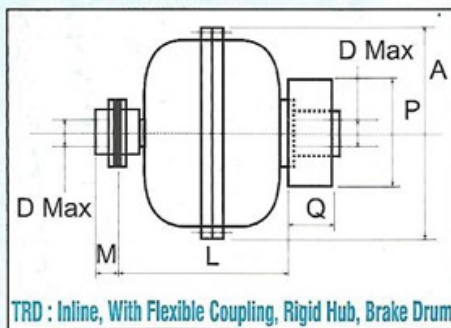
**TRA : Inline With Shaft Ends**



**TRB : Inline, With Flexible Coupling & Rigid Hub**



**TRC : Parallel, With Pulley**



**TRD : Inline, With Flexible Coupling, Rigid Hub, Brake Drum**

Manufactured by :



**SELECTION CHART :**

MODEL	TR1	TR2	TR5	TR10	TR25	TR40	TR75	TR100	TR180	TR225	TR425
1440 RPM	HP	1.0	2.0	5.0	10.0	25.0	40.0	75.0	100.0	180.0	425.0
	KW	0.7	1.5	3.7	7.5	18.5	30.0	55.0	75.0	135.0	315.0
960 RPM	HP	0.25	0.8	1.5	3.0	7.5	12.0	25.0	33.0	60.0	200.0
	KW	0.2	0.6	1.1	2.2	5.5	9.0	18.5	25.0	45.0	150.0

**OVERALL DIMENSION :**

MODEL	TR1	TR2	TR5	TR10	TR25	TR40	TR75	TR100	TR180	TR225	TR425
A	200	250	250	325	325	420	420	510	510	600	600
B	126	155	188	175	236	240	282	255	355	300	375
d	24	28	28	48	48	60	60	65	65	80	80
E	30	35	45	55	55	80	80	90	90	120	120
F	8	8	8	14	14	18	18	18	18	22	22
L	145	170	215	215	285	265	345	300	380	355	475
M	50	50	60	65	65	80	80	120	120	140	155
N	50	60	60	70	70	85	85	100	100	140	140
Dmax	24	28	28	48	48	65	65	65	65	80	80

For Model TRD P (Dia), Q TO BE SPECIFIED BY CUSTOMER

For Model TRC : No. of grooves, Belt Section, Pulley P.C.D., Motor Shaft dia, Key width, Shaft size including key height to be supplied by customer.

All Dimensions Are in mm



1. Shaft Mounted Fluid Coupling
2. Delayed Chamber Fluid Coupling
3. Steel Cased Fluid Coupling
4. Fluid Coupling For I.C. Engine
5. Higher H.P. Rating Fluid Coupling
6. Variable Speed Fluid Coupling

**Note :**

Due to continuous development, we reserve right to change the specification without notice.

Marketed by :





### **Mechanical Safety Chucks**

MSCF and MSCP lines of rugged safety chucks provide roll shaft support and torque transmission at a low cost. The maintenance-free design ensures optimal performance throughout the life of each safety chuck. units safe-guard your equipment securing the roll shaft in place during any wind unwind operation. Our safety chucks will only open with the socket in the upright position.

Available in either foot/pedestal or flange mounting, these safety chucks complement Jeysons dependable line of tension control brakes and clutches, offering you a complete package with seamless installation and operation.

- Redundant safety mechanisms securely lock shaft in place
- Long, maintenance-free life
- Durable construction
- Cast iron housing
- Chrome plated, steel handwheel
- Shaft hardened to 30-35 HRC, protecting the roll shafts. 58-60 HRC hardened shaft available on request.
- Available in ready-to-assemble brake packages
- Free turning precision ball bearings
- Shaft extensions with keyway
- Foot/Pedestal or flange mounting
- Inch / Metric size sockets available as standard

### **Applications**

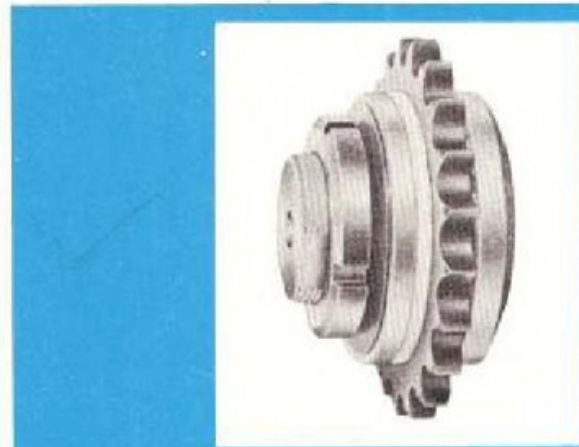
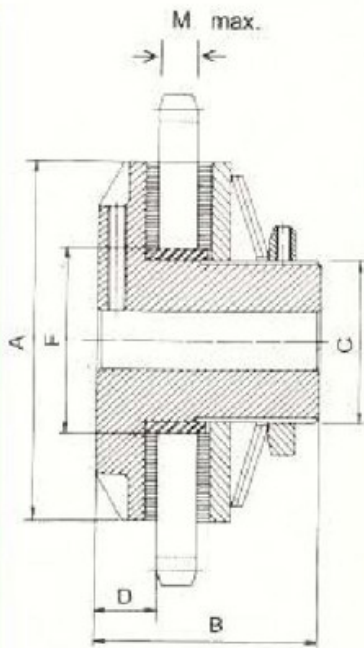
- Converting
- Printing
- Rubber
- Film
- Foil
- Paper
- Plastics
- Textiles
- Rope/Cable/Wire



# TORQUE LIMITER

## TORQUE LIMITERS

A torque limiter is a protective device that limits torque transmitted in a drive system by slipping when torque demand exceeds a preset value as a result of shock loads, over loads, or machine jams. It automatically re-engages when the overload torque has passed, no resetting is required. The torque limiter prevents machine damage and eliminates costly downtime. The Nu-Teck torque limiter utilizes spring loaded friction surfaces for its operations; slip torque is preset by adjustment of the spring force. The torque limiter can be used with a sprocket, gear, sheave or flange plate as a centre member that is clamped between two friction facings.



### CAPACITIES & DIMENSIONS

SIZE	TORQUE CAPACITY Kg. M.		MIN. BORE	MAX. BORE	APPROX. WT-KG.	A	B	C	D	M MAX.	'F' SPROCKET BORE DIA. OVER BUSHING
	MIN.	MAX.									
50-M1	0.3	1.5	8.0	16	0.3	50	29	24	6.5	7.2	30.10
50-M2	0.6	2.5	8.0	16	0.3	50	29	24	6.5	7.2	30.10
65-M1	0.7	2.8	9.6	22	0.5	65	50	35	15	8.8	41.40
65-M2	1.4	5.5	9.6	22	0.5	65	50	35	15	8.8	41.40
90-M1	2.0	7.0	12.7	28	1.5	90	65	45	18	16.0	52.00
90-M2	3.5	14.0	12.7	28	1.5	90	65	45	18	16.0	52.00
125-M1	5.0	18.0	19.0	38	3.5	125	78	60	23	16.0	70.00
125-M2	6.5	36.0	19.0	38	3.5	125	78	60	23	16.0	70.00
150-M1	7.5	44.0	25.0	42	5.5	150	90	70	26	23.0	80.00
150-M2	9.0	61.0	25.0	42	5.5	150	90	70	26	23.0	80.00
180-M1	11.0	58.0	25.0	64	10.0	180	106	100	28	28.5	110.00
180-M2	20.0	110.0	25.0	64	10.0	180	106	100	28	28.5	110.00
225-M1	22.0	140.0	30.0	92	20.0	230	120	140	33	28.5	152.00
225-M2	40.0	175.0	30.0	92	20.0	230	120	140	33	28.5	152.00