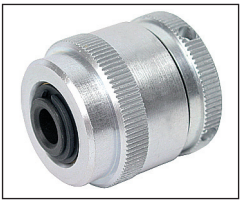
Vari-Tork® friction torque limiters Stock ★★★

VT27
VT40

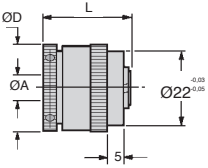
Torque up to 1.32Nm

- ***Basic clutch to be insert into a hub***
- *Protects equipment in case of excess torque*
- *Max. backlash 2°*
- *Max. sliding velocity: 1000 rpm*
- *Max surface temperature 80°C*
- *Power dissipation at 20°C :*
  2 discs : 7 watts
  6 discs : 8.6 watts
- *Materials:*
  Hubs + discs: treated steel
  Casing + adjuster ring: aluminium

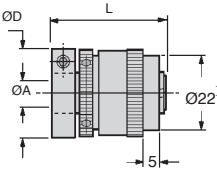


Advantages

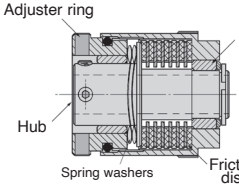
- *Clutches interrupt rotation when load being transmitted exceeds preset limit.*



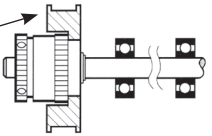
VT2 With set screw



VT4 With clamp fixing



Pulley (Or gear, etc...) bonded to register. Press fits not permissible.



DISCOUNTS

Qty	1+	2+	5+
Disc.	List	-5%	On request

Part number	ØA Std. +0,03 -0,00	N° of friction discs	ØD	L	Screw	Heat dissipation at 20°C (Watts)	Max. frictional torque (Nm)	Moment of inertia (kgm²x 10⁶)	Stock*	Price each 1 to 4
With set screw										
VT2712-6	6	2	25,8	26,4	M3	7,0	0,53	242	✔	105,03 €
VT2712-8	8	2	25,8	26,4	M3	7,0	0,53	242	✔	105,03 €
VT2796-6	6	6	25,8	32,4	M3	8,6	1,32	312	✔	124,49 €
VT2796-8	8	6	25,8	32,4	M3	8,6	1,32	312	✔	124,49 €
With locking jaw										
VT4012-6	6	2	25,8	34,4	M3	7,0	0,53	317	✔	118,44 €
VT4012-8	8	2	25,8	34,4	M3	7,0	0,53	317	-	118,44 €
VT4096-6	6	6	25,8	40,7	M3	8,6	1,32	381	-	136,18 €
VT4096-8	8	6	25,8	40,7	M3	8,6	1,32	381	✔	136,18 €

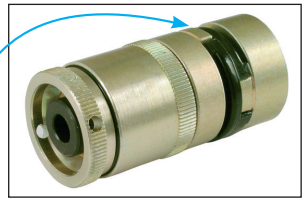
**Depending on availability - Dimensions in mm*

Vari-Tork® friction torque limiters

Torque up to 1.32Nm

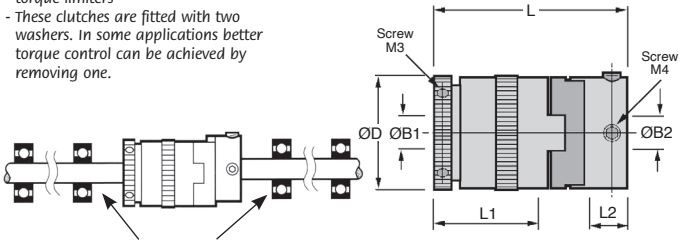
VTA2
VTA6

- ***Adjustable clutch coupling***
- *Max. backlash 2°*
- *Max. sliding velocity: 1000 rpm*
- *Max surface temperature 80°C*
- *Equipped with an Oldham coupling*
- *Materials:*
  Hub: Aluminium 6082
  Disc: Black acetal



Uses

- *2 spring washers are fitted to these torque limiters*
- *These clutches are fitted with two washers. In some applications better torque control can be achieved by removing one.*



DISCOUNTS

Qty	1+	2+	5+
Disc.	List	-5%	On request

Part number	ØB1 +0.03 -0.00	ØB2 +0.03 -0.00	L	ØD	Max. shaft length L1	Max. shaft length L2	Heat dissipation at 20°C (Watts)	Max. frictional torque (Nm)	Stock*	Price each 1 to 4
2 discs										
VTA2-0606	6	6	46,50	25,8	25	8,60	7,0	0,53	✔	147,14 €
VTA2-0608	6	8	46,50	25,8	25	8,60	7,0	0,53	✔	147,14 €
VTA2-0610	6	10	46,50	25,8	25	8,60	7,0	0,53	-	147,14 €
VTA2-0806	8	6	46,50	25,8	25	8,60	7,0	0,53	-	147,14 €
VTA2-0808	8	8	46,50	25,8	25	8,60	7,0	0,53	✔	147,14 €
VTA2-0810	8	10	46,50	25,8	25	8,60	7,0	0,53	✔	147,14 €
6 discs										
VTA6-0606	6	6	53,40	25,8	31	8,60	8,6	1,32	-	166,71 €
VTA6-0608	6	8	53,40	25,8	31	8,60	8,6	1,32	-	166,71 €
VTA6-0610	6	10	53,40	25,8	31	8,60	8,6	1,32	-	166,71 €
VTA6-0806	8	6	53,40	25,8	31	8,60	8,6	1,32	-	166,71 €
VTA6-0808	8	8	53,40	25,8	31	8,60	8,6	1,32	✔	166,71 €
VTA6-0810	8	10	53,40	25,8	31	8,60	8,6	1,32	✔	166,71 €

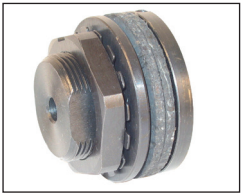
**Depending on availability - Dimensions in mm*

Friction torque limiter

LC — Max torque 30Nm to 240Nm

- ***Adjustable clutch***
- *Place the wheel (gear, pulley, chain sprocket) between the two friction disks and tighten/ loosen the thread to achieve the torque setting required.*
- *Supplied with 2 spring washers*
- *Only one can be fitted for lower transmissible torque*
- *Supplied pre-bored*

Material:
Steel
Friction disks do not contain asbestos



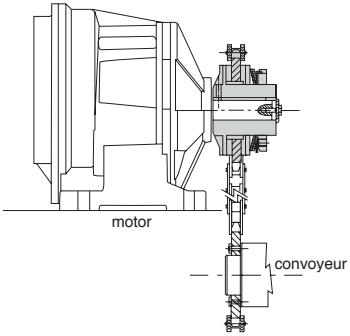
LC 40-50

Option

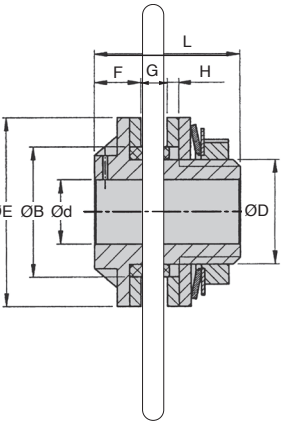
- *Bore and keyway to your specifications (Mini order quantity: 30)*

Info.

- *Friction disks should never come into contact with oil as this could cause damage or affect the performance*
- ***Sprocket not supplied***



Typical application



DISCOUNTS

Qty	1+	2+	5+
Disc.	List	-5%	On request

Part number	ØE	ØBh8	Ød	F	G max	H	ØD	L	N° springs	torque max (Nm)	Recommended sprocket Pitch	N°of teeth	Stock*	Price each
LC40-2-7	40	26	7	9	6	3	22	30,0	1	15	3/8"	18-21	-	38,25 €
									2	28	1/2"	15		
LC50-2-7	50	35	7	10	6	3	32	35,5	1	30	3/8"	19-23	✔	42,24 €
									2	55	1/2"	17		

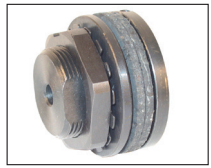
**Depending on availability - Dimensions in mm*

Friction torque limiter

Max torque 190Nm to 1.800Nm

LC

- ***Adjustable clutch***
- *Place the wheel (gear, pulley, chain sprocket) between the two friction disks and tighten/ loosen the thread to achieve the torque setting required.*
- *Supplied with 2 spring washers*
- *Only one can be fitted for lower transmissible torque*
- *Supplied pre-bored*
- *Material:*
  Steel
- *Friction disks do not contain asbestos*



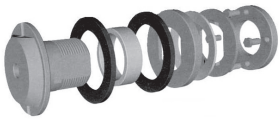
LC 65-85-95-120-140-170

Option

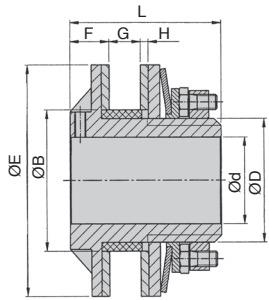
- *Bore and keyway to your specifications (Mini order quantity: 30)*

Info.

- *Friction disks should never come into contact with oil as this could cause damage or affect the performance*
- ***Sprocket not supplied***



LC 65-85-95-120-140-170



DISCOUNTS

Qty	1+	2+	5+
Disc.	List	-5%	On request

Part number	ØE	ØBh8	Ød	F	G max	H	ØD	L	N° springs	torque max (Nm)	Recommended sprocket Pitch	N°of teeth	Stock*	Price each
LC65-2-10	65	45	10	16	9	4	36	53	1	70	3/8"	27	✔	73,84 €
								55	2	120	1/2" 5/8"	21 19		
LC85-2-15	85	52	15	16	11	4	45	59	1	130	3/8"	38	✔	90,01 €
								61	2	240	1/2" 5/8" 3/4	25 21 18		
LC95-2-15	95	60	15	17	11	4	52	67	1	190	1/2"	30	-	113,26 €
									2	340	5/8" 3/4	25 19		
LC120-2-20	120	73	20	19	16	4	64	78	1	350	1/2"	38	✔	169,51 €
									2	650	5/8" 3/4 1"	32 25 21		
LC140-2-20	140	90	20	22	17	4	85	86,5	1	650	3/4	35	-	206,92 €
									2	1200	1"	21		
LC170-2-28	170	100	28	25,5	18,5	4,5	90	94	1	1000	3/4	35	-	288,16 €
									2	1800	1" 1"1/4	25 22		

**Depending on availability - Dimensions in mm*

Friction torque limiter

DSF

Torque up to 2,600Nm

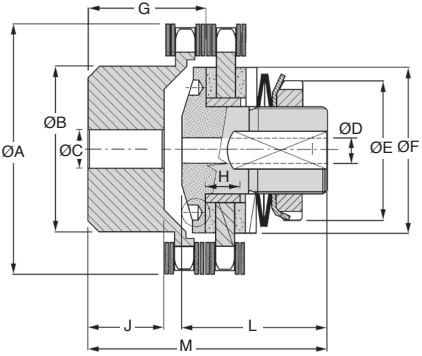
- ***Adjustable torque limiter***
- *Chain coupling*
- *Easy and economical slip safety device*
- *Suitable for dusty environments and when a phase between the drive and driven parts is not necessary*
- *Silent slip without vibration*
- *Protection in both directions of rotation*
- *Asbestos-free friction rings*
- *Simple and precise torque adjustment by adjusting the setting nut*
- *Supplied full or pre-drilled*
- *Materials:*
  Steel EN10083-2
- *ØC and ØD are pre-drilled holes or pilot holes given for information purposes only and must be re-drilled by you*

Advantages

- *Protection of the gear motor from accidental collisions with the product*
- *Protection of the film on wrapping machines in the event of excessive traction*
- *Absorption of starting torques without disconnecting the transmission*
- *Protection of the transmission in the event of brief product accumulation*

Options

- *Bore-size and keyway*

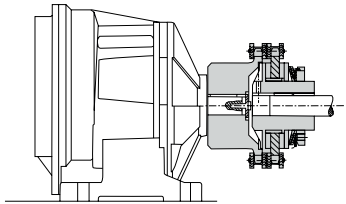


Part number	ØA	ØB	ØE	ØF	G	H	J	L	M
DSF025-4-20	45	23	22	25	13	5,5	9,0	26	39
DSF038-5-35	57	37	32	38	28	8,0	20,0	33	58
DSF050-12-60	75	50	44	50	28	8,0	19,0	35	58
DSF170-26-100	101	70	63	70	40	10,0	29,0	55	87
DSF290-70-300	126	89	82	90	60	15,0	38,0	60	102
DSF311-240-580	159	112	104	115	70	17,0	56,5	70	131
DSF414-400-1200	184	130	130	140	70	21,0	59,5	80	145
DSF517-450-2600	215	130	158	170	100	25,0	88,0	95	189

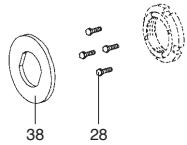
Dimensions in mm

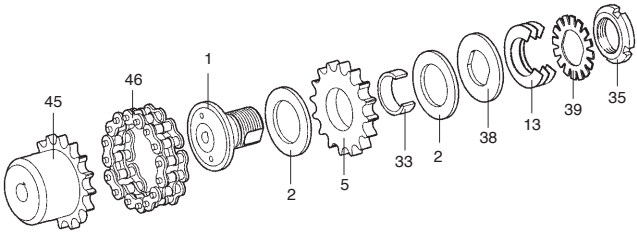
Parts

1 - Flange clamp hub
2 - Friction disc
5 - Toothed crown
13 - Axial spring
28 - Adjustment screw
33 - Sliding ring
35 - Notched locknut
38 - Mobile flange
39 - Toothed washer
45 - Pre-bored chain pinion
46 - Double chain



Typical application





DISCOUNTS

Qty	1+	2+	5+
Disc.	List	-5%	On request

Part number	ØC (mm) Prebore Ø	ØC (mm) Max. Ø	ØD (mm) Prebore Ø	ØD (mm) Max. Ø	Torque (Nm)	Stock*	Price each
DSF025-4-20	8	12	-	8	2-20	✔	168,29 €
DSF038-5-35	10	20	-	12	15-34	✔	185,52 €
DSF050-12-60	12	28	-	20	17-70	✔	309,44 €
DSF170-26-100	16	38	-	25	34-120	✔	289,04 €
DSF290-70-300	20	55	-	38	90-280	-	460,01 €
DSF311-240-580	20	70	18	45	207-700	-	681,26 €
DSF414-400-1200	28	80	24	55	390-1200	-	1 169,88 €
DSF517-450-2600	30	80	28	65	1000-2600	-	1 614,70 €

*Depending on availability - Dimensions in mm