

Bi-directional rotary damper



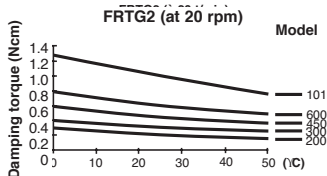
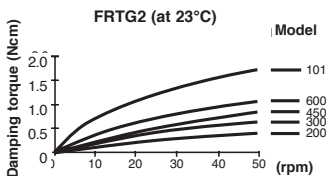
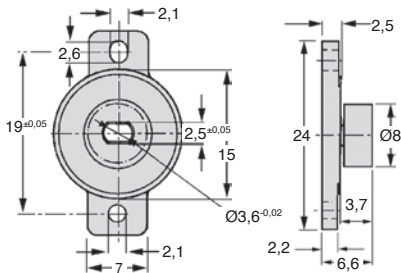
FRTG Damping torque from 0.2 to 1.0 Ncm

- Supplied with a spur gear
- Working temperature from 0°C to +50°C
- Max. speed 50 rpm
- Damping torque varies depending on the speed of rotation and the temperature: see table below
- Data given based on life of 50,000 cycles
- Materials:

Casing: polycarbonate

Gear: polyacetal

Fluid: silicone



DISCOUNTS

Qty	1+	6+	20+	40+
Disc. List	-15%	-20%	On request	

Part number	No of teeth	Module	PCD (mm)	Damping torque (Ncm)	Stock*	Price each 1 to 5
FRTG2200G1	14	0,5	7	0,20 ^{±0,07}	✓	9,81 €
FRTG2300G1	14	0,5	7	0,30 ^{±0,08}	-	9,81 €
FRTG2450G1	14	0,5	7	0,45 ^{±0,10}	✓	9,81 €
FRTG2600G1	14	0,5	7	0,60 ^{±0,12}	-	9,81 €
FRTG2101G1	14	0,5	7	1,00 ^{±0,20}	✓	9,81 €

*Depending on availability - Dimensions in mm

Damping torque from 2 to 3 Ncm

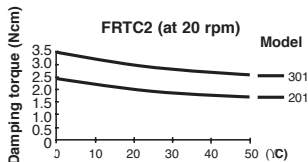
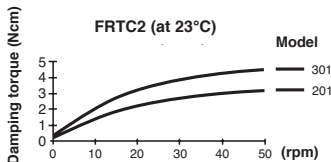
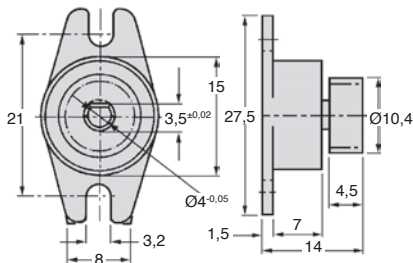
FRTC FRNC

- Supplied with a spur gear
- Working temperature from 0°C to +50°C
- Max. speed 50 rpm
- Damping torque varies depending on the speed of rotation and the temperature: see table below
- Data given based on life of 50,000 cycles
- Materials:

Casing: polycarbonate

Gear: polyacetal

Fluid: silicone



DISCOUNTS

Qty	1+	6+	20+	40+
Disc.	List	-15%	-20%	On request

Part number	No of teeth	Module	PCD (mm)	Damping torque (Ncm)	Stock*	Price each 1 to 5
Bidirectional						
FRTC2201G1	11	0,8	8,8	2 ^{+0,6}	-	22,72 €
FRTC2301G1	11	0,8	8,8	3 ^{+0,8}	✓	22,72 €
Unidirectional (clockwise)						
FRNC2R201G1	11	0,8	8,8	2 ^{+0,6}	✓	27,01 €
Unidirectional (anticlockwise)						
FRNC2L201G1	11	0,8	8,8	2 ^{+0,6}	✓	27,01 €

*Depending on availability - Dimensions in mm

Rotary damper



FRTD
FRND

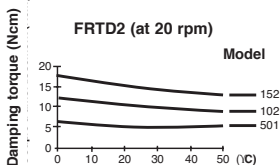
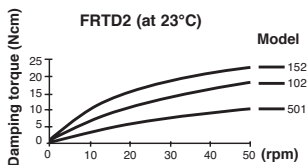
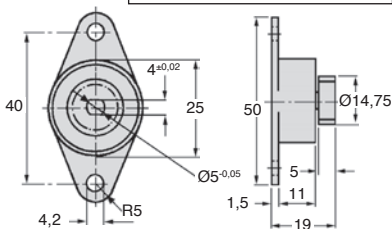
Damping torque from 5 to 15 Ncm

- Supplied with a spur gear
- Working temperature from 0°C to +50°C
- Max. speed 50 rpm
- Damping torque varies depending on the speed of rotation and the temperature: see table below
- Data given based on life of 50,000 cycles
- Materials:

Casing: polycarbonate

Gear: polyacetal

Fluid: silicone



DISCOUNTS

Qty	1+	6+	20+	40+
Disc.	List	-15%	-20%	On request

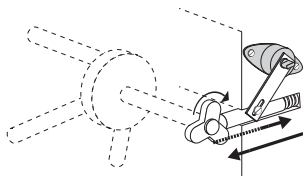
Part number	No of teeth	Module	PCD (mm)	Damping torque (Ncm)	Stock*	Price each 1 to 5
Bidirectional						
FRTD2501G1	12	1	12	5 ^{s1}	-	77,27 €
FRTD2102G1	12	1	12	10 ^{s2}	-	77,27 €
FRTD2152G1	12	1	12	15 ^{s3}	✓	77,27 €
Unidirectional (clockwise)						
FRND2R501G1	12	1	12	5 ^{s1}	-	88,19 €
FRND2R102G1	12	1	12	10 ^{s2}	-	88,19 €
FRND2R152G1	12	1	12	15 ^{s3}	✓	88,19 €
Unidirectional (anticlockwise)						
FRND2L501G1	12	1	12	5 ^{s1}	-	88,19 €
FRND2L102G1	12	1	12	10 ^{s2}	-	88,19 €
FRND2L152G1	12	1	12	15 ^{s3}	✓	88,19 €

*Depending on availability - Dimensions in mm

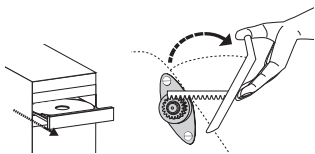
Rotary damper

Technical information

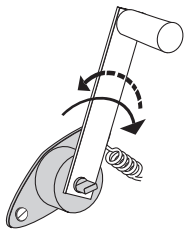
Typical applications



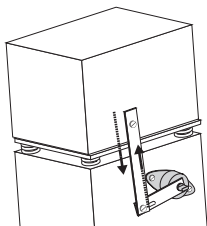
Rigging screw damper



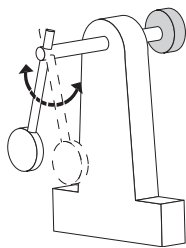
Drawer damper



Lever damping



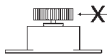
Vibration damping



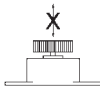
Pendulum damper

Mountings to avoid

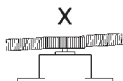
Rotary dampers are only intended for use in controlling rotary or lateral movements. They should not be used for any of the applications shown below.



Side load



Axial load



Angular misalignment

