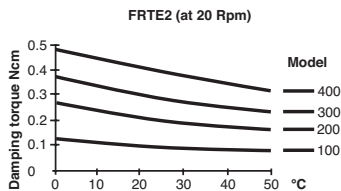
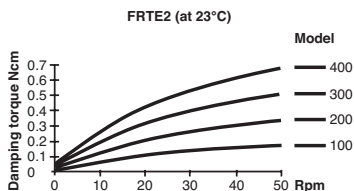
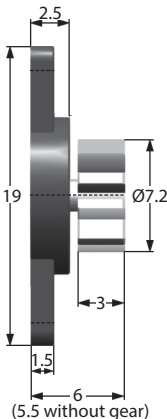
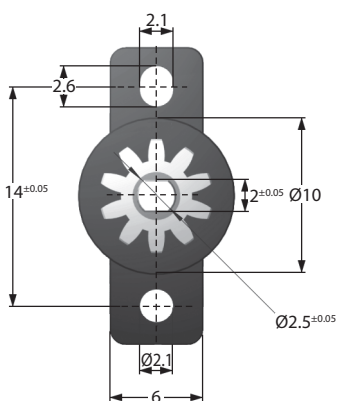
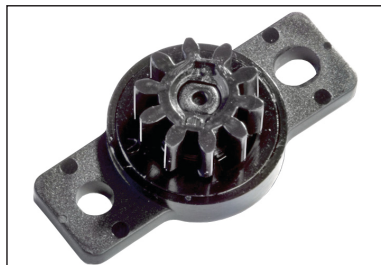


ANTI-VIBRATION

FRTE

Rotary Dampers - Continuous Rotation

Bi-Directional : 0.1 - 0.4Ncm



Damping torque varies with temperature and speed as shown in the performance graphs.

Discounts:	10+ -5%	25+ -10%	50+ -15%	100+ -20%
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Part Number	Damping Torque Ncm	Price Each 1 - 9
FRTE2100G1	0.1 ±0.05	£7.10
FRTE2200G1	0.2 ±0.07	£7.10
FRTE2300G1	0.3 ±0.08	£7.10
FRTE2400G1	0.4 ±0.10	£7.10

Material

Body: Polycarbonate Plastic.

Gear: Polyacetal Plastic.

Fluid: High viscosity silicone passed through an orifice or groove.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Operating Temperature: 0°C to +50°C.

Other Info.

Supplied as standard with removable involute spur gear.

Module: 0.6 (Matching 250mm plastic racks available - P.O.A.)

Pressure Angle: 20° **No. of Teeth:** 10 **P.C.D.:** 6mm.

Constant damping force in both clockwise and anti-clockwise direction.

Damping torque figures at a nominal 20 rpm, 23 °C.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components



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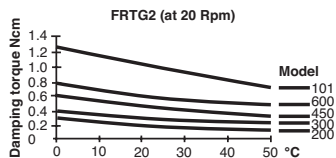
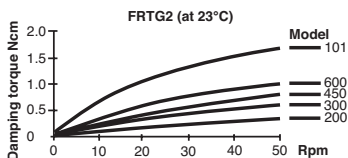
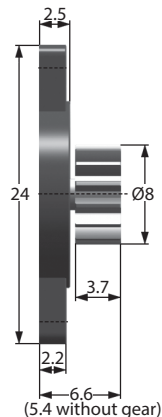
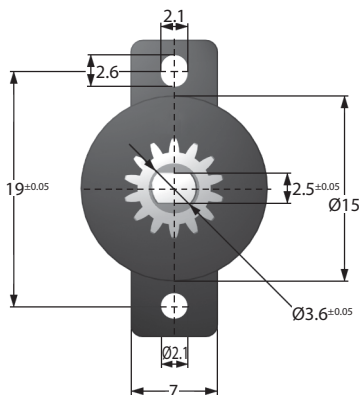
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ANTI-VIBRATION

Rotary Dampers - Continuous Rotation

Bi-Directional : 0.2 - 1Ncm

FRTG



Damping torque varies with temperature and speed as shown in the performance graphs.

Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Part Number	Damping Torque Ncm	Price Each 1 - 9
FRTG2200G1	0.20 ±0.07	£7.10
FRTG2300G1	0.30 ±0.08	£7.10
FRTG2450G1	0.45 ±0.10	£7.10
FRTG2600G1	0.60 ±0.12	£7.10
FRTG2101G1	1.00 ±0.20	£7.10

Material

Body: Polycarbonate Plastic.

Gear: Polyacetal Plastic.

Fluid: High viscosity silicone passed through an orifice or groove.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Operating Temperature: 0°C to +50°C.

Other Info.

Supplied as standard with removable involute spur gear.

Module: 0.5 (Matching 250mm plastic racks available - P.O.A.)

Pressure Angle: 20° **No. of Teeth:** 14 **P.C.D.:** 7mm.

Constant damping force in both clockwise and anti-clockwise direction.

Damping torque figures at a nominal 20 rpm, 23 °C.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components



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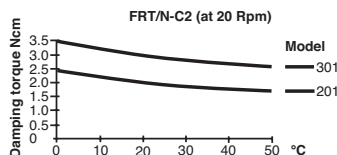
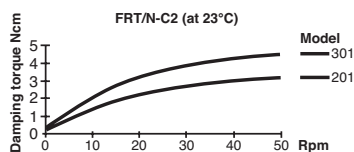
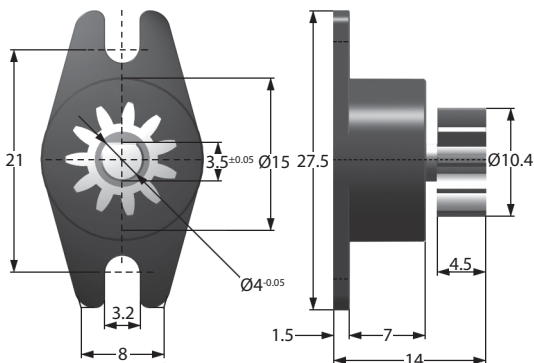
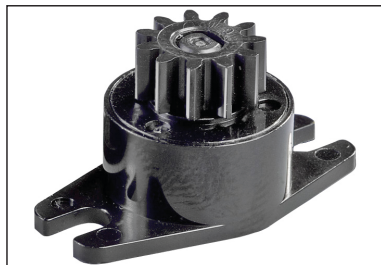
Product information updated 11/2019. See <https://amironic.co.uk/> for the latest prices and availability.

FRTC
FRNC

ANTI-VIBRATION

Rotary Dampers - Continuous Rotation

Bi-Directional & Uni-Directional : 2 - 3Ncm



Damping torque varies with temperature and speed as shown in the performance graphs.

Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Bi-directional Damping	Part Number	RH Damping (Clockwise)	LH Damping (Anti-clockwise)	Damping Torque Ncm	Price Each 1 - 9	
					FRTC	FRNC
FRTC201G1	FRNC2R201G1	FRNC2L201G1		2 ±0.6	£16.37	£19.48
FRTC2301G1	FRNC2R301G1	FRNC2L301G1		3 ±0.8	£16.37	£19.48

Material

Body: Polycarbonate Plastic.

Gear: Polyacetal Plastic.

Fluid: High viscosity silicone passed through an orifice or groove.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Operating Temperature: 0°C to +50°C.

Other Info.

Supplied as standard with removable involute spur gear.

Module: 0.8 (Matching 170mm (flexible) and 250mm (rigid) plastic racks available - P.O.A.)

Pressure Angle: 20° **No. of Teeth:** 11 **P.C.D.:** 8.8mm.

Constant damping force in both clockwise and anti-clockwise direction.

Damping torque figures at a nominal 20 rpm, 23 °C.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components



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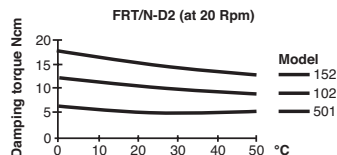
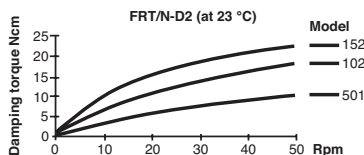
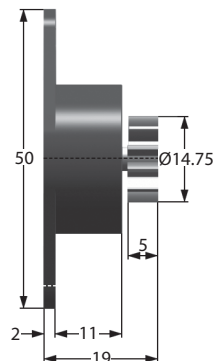
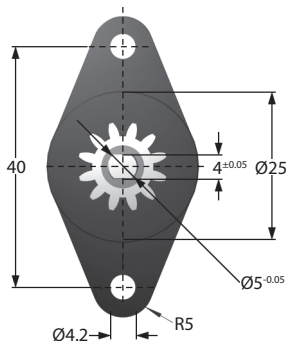
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ANTI-VIBRATION

Rotary Dampers - Continuous Rotation

Bi-Directional & Uni-Directional : 5 - 15Ncm

FRTD
FRND



Damping torque varies with temperature and speed as shown in the performance graphs.

Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Bi-directional Damping	Part Number		Damping Torque Ncm	Price Each 1 - 9	
	RH Damping (Clockwise)	LH Damping (Anti-clockwise)		FRTD	FRND
FRTD2501G1	FRND2R501G1	FRND2L501G1	5 ^{±1}	£55.67	£63.52
FRTD2102G1	FRND2R102G1	FRND2L102G1	10 ^{±2}	£55.67	£63.52
FRTD2152G1	FRND2R152G1	FRND2L152G1	15 ^{±3}	£55.67	£63.52

Material

Body: Polycarbonate Plastic.

Gear: Polyacetal Plastic.

Fluid: High viscosity silicone passed through an orifice or groove.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Operating Temperature: 0°C to +50°C. **Mass:** 0.01Kg

Other Info.

Supplied as standard with removable involute spur gear.

Module: 1 (Matching 250mm and 500mm plastic racks available - P.O.A.)

Pressure Angle: 20° **No. of Teeth:** 12 **P.C.D.:** 12mm.

Constant damping force in both clockwise and anti-clockwise direction.

Damping torque figures at a nominal 20 rpm, 23 °C.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components



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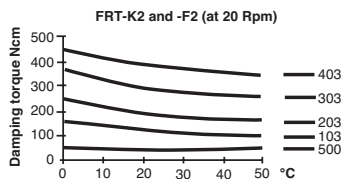
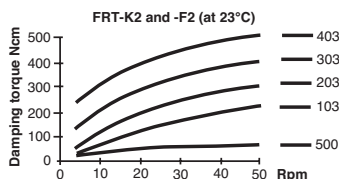
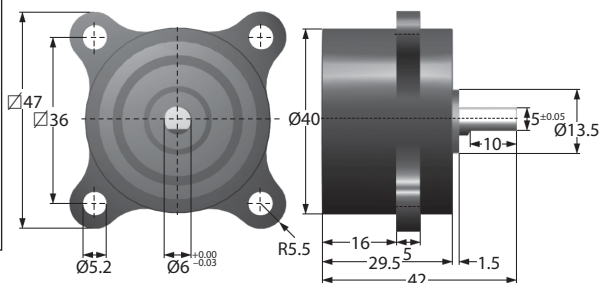
Product information updated 12/2018. Prices are subject to change without notice. Sales for the latest prices and availability.

**FRTK
FRNK**

ANTI-VIBRATION

Rotary Dampers - Continuous Rotation

Bi-Directional & Uni-Directional : 50 - 400Ncm



Damping torque varies with temperature and speed as shown in the performance graphs.

Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Bi-directional Damping	Part Number	RH Damping (Clockwise)	LH Damping (Anti-clockwise)	Damping Torque Ncm	Price Each 1 - 9	
					FRTK	FRNK
FRTK2502	FRNK2R502	FRNK2L502		50 ±10	£114.24	£125.76
FRTK2103	FRNK2R103	FRNK2L103		100 ±20	£114.24	£125.76
FRTF2203	FRNF2R203	FRNF2L203		200 ±40	£114.24	£125.76
FRTF2303	-	-		300 ±80	£114.24	-
FRTF2403	-	-		400 ±100	£114.24	-

Material

Material: Polycarbonate Plastic with Steel shaft.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Operating Temperature: 0°C to +50°C.

Mass: 0.116kg (max).

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components



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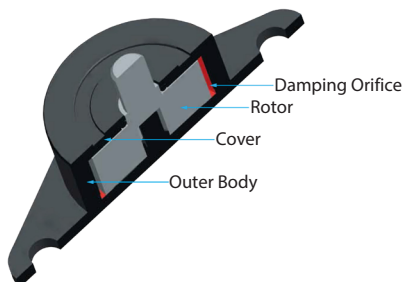
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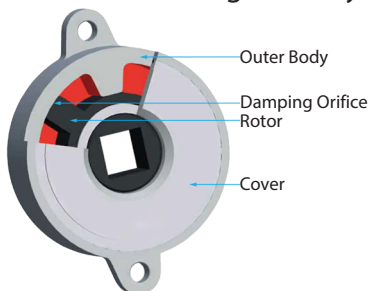
Rotary Dampers

Continuous Rotation Rotary Dampers



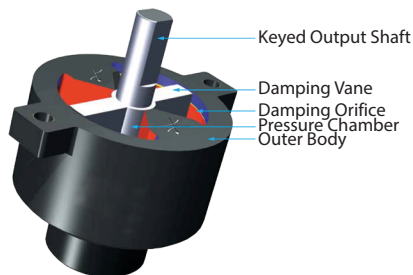
In rotary dampers with continuous rotation, a fluid damping is produced by the shearing of thin silicon layers between the surfaces of a rotor and a stator. The damping moment is determined by the viscosity of the fluid and the dimensioning of the throttle gap. The specified damping moments refer to a speed of 20 rpm and an ambient temperature of 23°C.

Partial Rotation Angle Rotary Dampers



In rotary dampers with partial rotation angle, the fluid is forced from one chamber into the other by the movement of a rotor. The damping moment is determined by the viscosity of the fluid and the dimensioning of the throttle gap or throttle orifices. During the relevant return movement, a certain reduced reverse rotation damping moment is created, depending on the size. The damping moments specified in the catalogue always refer to the maximum moment calculated from the application to which the dampers can be stressed.

Partial Rotation Angle Rotary Dampers - Adjustable



In adjustable rotary dampers with partial rotation angle, the fluid is forced from one chamber into the other by adjustable orifices. The damping moment is determined by the viscosity of the fluid and the dimensioning of the orifice sizes. During the return movement of unidirectional dampers a small reverse damping moment is created, depending on the size. The damping moments specified in the catalogue always refer to the maximum moment calculated from the application to which the dampers can be stressed.

Our range of rotary dampers are maintenance-free and ready to install.

The damping direction of the rotary dampers with continuous rotation can be clockwise, counter clockwise, or in both directions.

The outer body is either of metal or plastic.

Rotary dampers with continuous rotation ensure the controlled opening and closing of small hoods, compartments and drawers.

They can damp directly at the rotation point or linearly by means of a rack and pinion, in order to produce a smooth and even movement.

Sensitive components remain unstressed.

The harmonious gentle movement process enhances the quality and value of the product.

Plastic racks (modules 0.5 to 1.0) are available for the rotary dampers with pinions.

Particularly suitable for flaps, closing hoods, CD-player drawers, vehicle glove compartments, the furniture industry, etc.

In general, rotary dampers are tested for a service life of 50 000 cycles.

Even after this time, the dampers still produce over approx. 80% of their original damping moment.

The service life may be significantly higher or lower, depending on the application.

Much higher service lives have however been achieved in practice.



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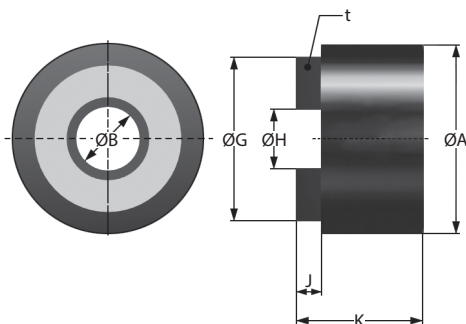
TECHNICAL

ANTI-VIBRATION

FFD

Rotary Dampers - Continuous Rotation

Standard Type : 0.1 - 3Nm



Discounts: 10+ -5%	25+ -10%	50+ -15%	100+ -20%
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Part Number		Damping Torque Nm	ØA	ØB	ØG	ØH	J	K	Thickness t	Mass Kg	Price Each 1 - 9
Clockwise (Right) Damping	Anti-clockwise (Left) Damping										
TYPE S											
FFD25SSR102	FFD25SSL102	0.1	25	6	21	6.2	4	16	4	0.01	£43.30
FFD25SSR502	FFD25SSL502	0.5	25	6	21	6.2	4	16	4	0.01	£43.30
FFD25SSR103	FFD25SSL103	1.0	25	6	21	6.2	4	16	4	0.01	£43.30
FFD28SSR102	FFD28SSL102	0.1	28	8	24	8.2	4	16	4	0.01	£43.50
FFD28SSR502	FFD28SSL502	0.5	28	8	24	8.2	4	16	4	0.01	£43.50
FFD28SSR103	FFD28SSL103	1.0	28	8	24	8.2	4	16	4	0.01	£43.50
FFD30SSR102	FFD30SSL102	0.1	30	10	26	10.2	4	16	4	0.02	£43.84
FFD30SSR502	FFD30SSL502	0.5	30	10	26	10.2	4	16	4	0.03	£43.84
FFD30SSR103	FFD30SSL103	1.0	30	10	26	10.2	4	16	4	0.02	£43.84
FFD30SSR153	FFD30SSL153	1.5	30	10	26	10.2	4	16	4	0.02	£43.84
TYPE W											
FFD25SWR103	FFD25SWL103	1.0	25	6	21	6.2	4	22	4	0.02	£44.57
FFD25SWR153	FFD25SWL153	1.5	25	6	21	6.2	4	22	4	0.02	£44.57
FFD25SWR203	FFD25SWL203	2.0	25	6	21	6.2	4	22	4	0.02	£44.57
FFD28SWR103	FFD28SWL103	1.0	28	8	24	8.2	4	22	4	0.02	£44.77
FFD28SWR153	FFD28SWL153	1.5	28	8	24	8.2	4	22	4	0.03	£44.77
FFD28SWR203	FFD28SWL203	2.0	28	8	24	8.2	4	22	4	0.03	£44.77
FFD30SWR153	FFD30SWL153	1.5	30	10	26	10.2	4	22	4	0.03	£46.29
FFD30SWR203	FFD30SWL203	2.0	30	10	26	10.2	4	22	4	0.03	£46.29
FFD30SWR253	FFD30SWL253	2.5	30	10	26	10.2	4	22	4	0.03	£46.29
FFD30SWR303	FFD30SWL303	3.0	30	10	26	10.2	4	22	4	0.03	£46.29

Material

Material: Polycarbonate Plastic.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Maximum Rotational Speed: 30 rpm.**Maximum Cycle Rate:** 13 cycles per minute.**Operating Temperature:** -10°C to +60°C.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components

Other Info.

Recommended Shaft Tolerance: +0.00/-0.03.

Type W supplied with bearing on both sides offering higher damping torque.



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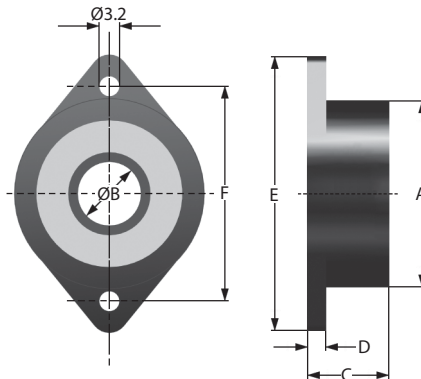
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ANTI-VIBRATION

Rotary Dampers - Continuous Rotation

Flange Type : 0.1 - 3Nm

FFD

Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Part Number		Damping Torque Nm	ØA	ØB	C	D	E	F	Mass Kg	Price Each 1 - 9
Clockwise (Right) Damping	Anti-clockwise (Left) Damping									
TYPE S										
FFD25FSR102	FFD25FSL102	0.1	25	6	13	3	42	34	0.02	£43.50
FFD25FSR502	FFD25FSL502	0.5	25	6	13	3	42	34	0.01	£43.50
FFD25FSR103	FFD25FSL103	1.0	25	6	13	3	42	34	0.01	£43.50
FFD28FSR102	FFD28FSL102	0.1	28	8	13	3	44	36	0.01	£43.50
FFD28FSR502	FFD28FSL502	0.5	28	8	13	3	44	36	0.01	£43.50
FFD28FSR103	FFD28FSL103	1.0	28	8	13	3	44	36	0.02	£43.50
FFD30FSR102	FFD30FSL102	0.1	30	10	13	3	46	38	0.02	£43.75
FFD30FSR502	FFD30FSL502	0.5	30	10	13	3	46	38	0.03	£43.75
FFD30FSR103	FFD30FSL103	1.0	30	10	13	3	46	38	0.02	£43.75
FFD30FSR153	FFD30FSL153	1.5	30	10	13	3	46	38	0.02	£43.75
TYPE W										
FFD25FWR103	FFD25FWL103	1.0	25	6	19	3	42	34	0.02	£44.70
FFD25FWR153	FFD25FWL153	1.5	25	6	19	3	42	34	0.02	£44.70
FFD25FWR203	FFD25FWL203	2.0	25	6	19	3	42	34	0.02	£44.70
FFD28FWR103	FFD28FWL103	1.0	28	8	19	3	44	36	0.03	£44.90
FFD28FWR153	FFD28FWL153	1.5	28	8	19	3	44	36	0.03	£44.90
FFD28FWR203	FFD28FWL203	2.0	28	8	19	3	44	36	0.03	£44.90
FFD30FWR153	FFD30FWL153	1.5	30	10	19	3	46	38	0.03	£46.35
FFD30FWR203	FFD30FWL203	2.0	30	10	19	3	46	38	0.03	£46.35
FFD30FWR253	FFD30FWL253	2.5	30	10	19	3	46	38	0.03	£46.35
FFD30FWR303	FFD30FWL303	3.0	30	10	19	3	46	38	0.03	£46.35

Material

Material: Polycarbonate Plastic.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Maximum Rotational Speed: 30 rpm.**Maximum Cycle Rate:** 13 cycles per minute.**Operating Temperature:** -10°C to +60°C.

Other Info.

Recommended Shaft Tolerance: +0.00/-0.03.

Type W supplied with bearing on both sides offering higher damping torque.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components



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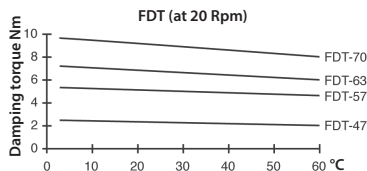
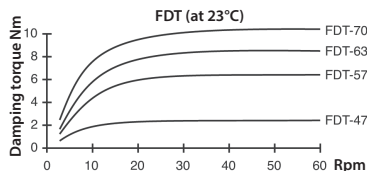
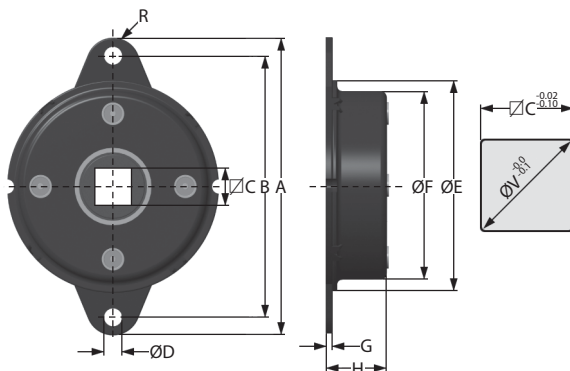
Product information updated 12/2018. Prices are subject to change without notice. Please check our website for the latest prices and availability.

ANTI-VIBRATION

FDT

Rotary Dampers - Continuous Rotation

2 - 8.7Nm


Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Part Number	Damping Torque* Nm	A	B	∠C	ØD	ØE	ØF	G	H	R	∠V	Mass Kg	Price Each 1 - 9
FDT-47	2.0 ^{+0.3}	65	56	8.0	4.5	47	42.8	1.6	10.3	4.5	10	0.05	£29.95
FDT-57	4.7 ^{+0.5}	79	68	10.0	5.5	57	52.4	1.6	11.2	5.5	13	0.08	£33.87
FDT-63	6.7 ^{+0.7}	89	76	12.5	6.5	63	58.6	1.6	11.3	6.5	17	0.10	£36.72
FDT-70	8.7 ^{+0.8}	95	82	12.5	6.5	70	65.4	1.6	11.3	6.5	17	0.11	£39.56

* (at 20rpm, 23°C). Damping in both directions of rotation.

Material

Body: Steel.

Output Shaft Sleeve: Nylon.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Maximum Rotational Speed: 50 rpm.

Temperature Range: -10°C to +50°C.

Maximum Cycle Rate: 12 cycles per minute.

Mass: 0.11kg (max).

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components

Other Info.

There is no support for the output shaft within the damper structure.

External support must be provided for the shaft.



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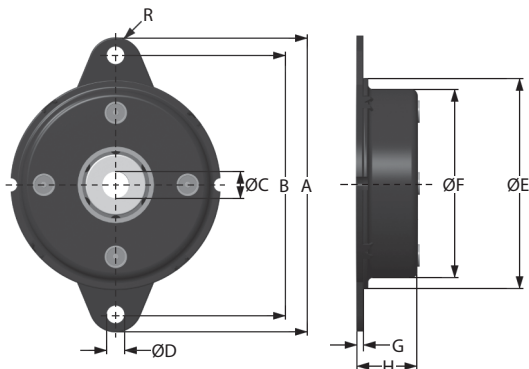
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ANTI-VIBRATION

Rotary Dampers - Continuous Rotation

2 - 10Nm

FDN



Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Part Number		Damping Torque Nm	A	B	ØC	ØD	ØE	ØF	G	H	R	Mass Kg	Price Each 1 - 9
RH Damping (Clockwise)	LH Damping (Anti-clockwise)												
FDN-47-R	FDN-47-L	2.0 ^{+0.3/-0.3}	65	56	6	4.5	47	42.8	1.6	10.3	4.5	0.06	£50.02
FDN-57-R	FDN-57-L	5.5 ^{+0.3/-0.3}	79	68	10	5.5	57	52.4	1.6	14.0	5.5	0.10	£50.02
FDN-63-R	FDN-63-L	8.5 ^{+0.8/-0.8}	89	76	10	6.5	63	58.6	1.6	13.9	6.5	0.12	£54.99
FDN-70-R	FDN-70-L	10.0 ^{+1.0/-1.0}	95	82	10	6.5	70	65.4	1.6	13.0	6.5	0.14	£54.99

Material

Body: Steel.

Output Shaft Sleeve: Nylon.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Maximum Rotational Speed: 50 rpm.

Maximum Cycle Rate: 12 cycles per minute.

Hardness: HRC55. **Surface Smoothness:** Rz < 1µm.

Temperature Range: -10°C to +50°C.

Mass: 0.12kg (max.).

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components

Other Info.

There is no support for the output shaft within the damper structure. External support must be provided for the shaft.

Recommended Shaft Details: FDN-47 Ø6^{+0.020/-0.013}, FDN-57 to FDN-70 Ø10^{+0.020/-0.013}.



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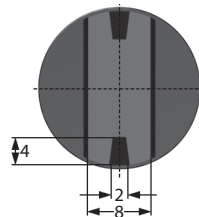
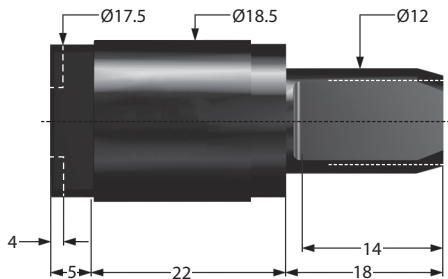
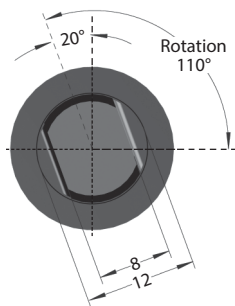
Product information updated 10/01/2022. Please refer to our website for the latest prices and availability.

ANTI-VIBRATION

FYN-P1

Rotary Dampers - Partial Rotation Angle

100 - 180Ncm



Discounts: 10+ -5%	25+ -10%	50+ -15%	100+ -20%
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Part Number		Damping Torque Ncm	Return Damping Torque Ncm	Price Each 1 - 9
RH Damping (Clockwise)	LH Damping (Anti-clockwise)			
FYN-P1-R103	FYN-P1-L103	100	30	£15.99
FYN-P1-R153	FYN-P1-L153	150	50	£15.99
FYN-P1-R183	FYN-P1-L183	180	80	£15.99

Material

Polycarbonate plastic.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Temperature Range: -5°C to +50°C.**Maximum Rotational Angle:** 115°.**Mass:** 0.01kg.

Other Info.

The shaft colour indicates damping direction.

Not to be used as a final end stop.

External mechanical stops to be fitted at each end of travel.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components

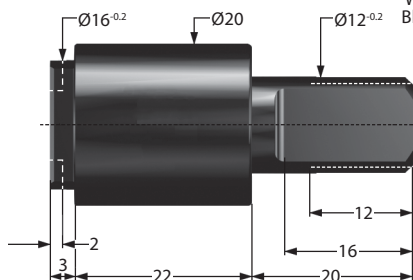
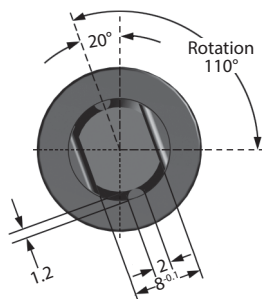
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ANTI-VIBRATION

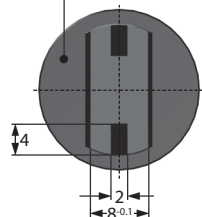
Rotary Dampers - Partial Rotation Angle

100 - 300Ncm

FYN-N1



White end cap: left-hand damping
Black end cap: right-hand damping



Discounts: 10+ -5% 25+ -10% 50+ -15% 100+ -20%

Part Number		Damping Torque Ncm	Return Damping Torque Ncm	Price Each 1 - 9
RH Damping (Clockwise)	LH Damping (Anti-clockwise)			
FYN-N1-R103	FYN-N1-L103	100	20	£20.57
FYN-N1-R203	FYN-N1-L203	200	40	£20.57
FYN-N1-R253	FYN-N1-L253	250	40	£20.57
FYN-N1-R303	FYN-N1-L303	300	80	£20.57

Material

Polycarbonate plastic.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Temperature Range: -5°C to +50°C.

Maximum Rotational Angle: 110°.

Mass: 0.01kg.

Other Info.

The shaft colour indicates damping direction.

Not to be used as a final end stop.

External mechanical stops to be fitted at each end of travel.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components



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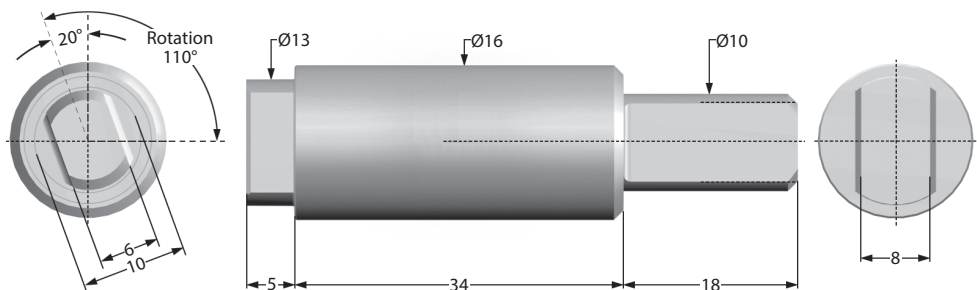
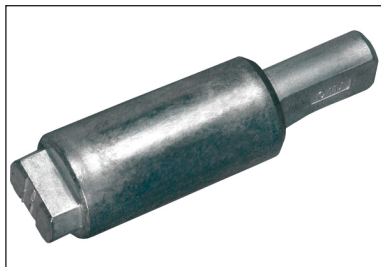
Product information updated 11/2017. Prices are subject to change without notice. Sales for the latest prices and availability.

ANTI-VIBRATION

FYN-U1

Rotary Dampers - Partial Rotation Angle

200 - 300Ncm



Discounts: 10+ -5%	25+ -10%	50+ -15%	100+ -20%
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Part Number		Damping Torque Ncm	Return Damping Torque Ncm	Price Each 1 - 9
RH Damping (Clockwise)	LH Damping (Anti-clockwise)			
FYN-U1-R203	FYN-U1-L203	200	40	£25.16
FYN-U1-R253	FYN-U1-L253	250	40	£25.16
FYN-U1-R303	FYN-U1-L303	300	80	£25.16

Material

Diecast Zinc.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Temperature Range: -5°C to +50°C.**Maximum Rotational Angle:** 115°.**Weight:** 0.04kg.

Other Info.

Not to be used as a final end stop.

External mechanical stops to be fitted at each end of travel.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components

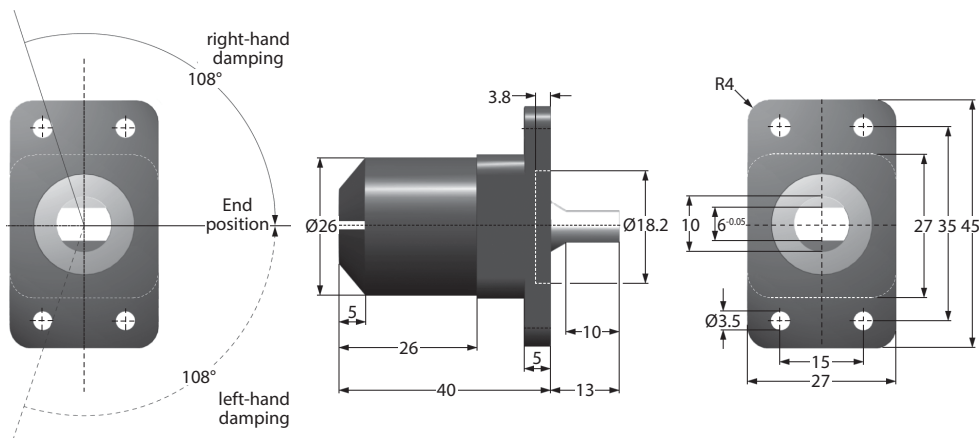
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ANTI-VIBRATION

Rotary Dampers - Partial Rotation Angle

Uni-Directional : 400Ncm

FYN-K1



Discounts: 10+ -5%	25+ -10%	50+ -15%	100+ -20%
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Part Number		Damping Torque Ncm	Return Damping Torque Ncm	Price Each 1 - 9
Clockwise (Right) Damping	Anti-clockwise (Left) Damping			
FYN-K1-R	FYN-K1-L	400	100	£55.72

Material

Black Polycarbonate.

Performance

Temperature Range: -5°C to +50°C.

Mass: 0.035kg.

Maximum Rotational Angle: 108°.

Maximum Rotational Speed: 50 revs/min and a maximum of 10 cycles/min (12 cycles/min with the FDT/FDN types) the rotary dampers still provide more than 80% of their damping torque after a working life of 50,000 cycles.

Other Info.

The **FYN-K1** is a vane operated damper giving high damping torque for a specific rotational angle. Not to be used as a final end stop. External mechanical stops to be fitted at each end of travel.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components



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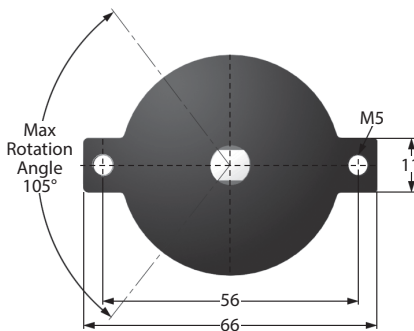
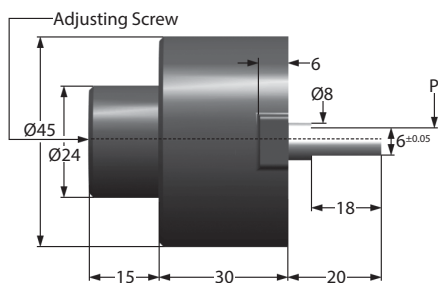
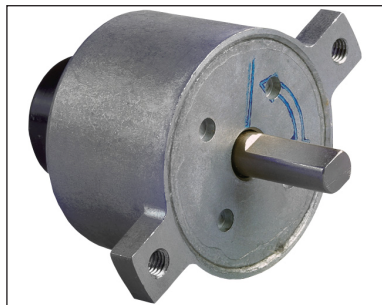
Product information updated 12/2019. Prices are subject to change without notice. Sales for the latest prices and availability.

ANTI-VIBRATION

FYT-H1

Rotary Dampers - Adjustable

Adjustable : 2 - 10Nm



Discounts: 10+ -5%	25+ -10%	50+ -15%	100+ -20%
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Bi-directional Damping	Part Number	RH Damping (Clockwise)	LH Damping (Anti-clockwise)	Adjustable Damping Torque Nm	Return Damping Torque Nm	Maximum Side Load N	Price Each 1 - 9
FYT-H1	FYT-H1-R	FYT-H1-L		2 - 10	0.5	50	£137.66

Material

Body: Diecast Zinc.**Shaft:** Steel.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Operating Temperature: -5°C to +50°C.**Maximum Rotational Angle:** 105°.**Mass:** 0.24Kg.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components

Other Info.

Keyed output shaft shown in mid-travel position on diagram.

A play of 5° can occur at the beginning of the movement.

Not to be used as a final end stop. External mechanical stops to be fitted at each

end of travel.

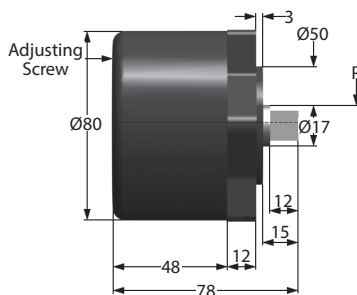
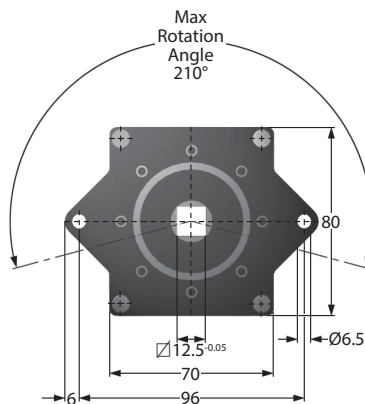
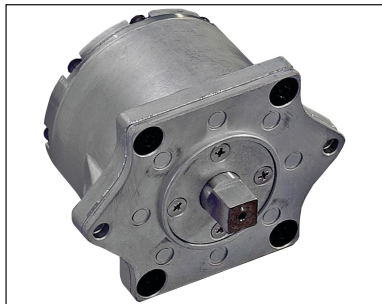
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ANTI-VIBRATION

Rotary Dampers - Adjustable

Adjustable : 4 - 40Nm

FYT-LA3
FYN-LA3



Discounts: 10+ -5%	25+ -10%	50+ -15%	100+ -20%
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Bi-directional Damping	Part Number	RH Damping (Clockwise)	LH Damping (Anti-clockwise)	Adjustable Damping Torque Nm	Return Damping Torque Nm	Maximum Side Load N	Price Each 1 - 9
FYT-LA3	FYN-LA3-R	FYN-LA3-L		4 - 40	4	200	£647.88

Material

Body: Diecast Zinc.

Shaft: Steel.

Performance

At a maximum rotational speed of 50 revs/min and a maximum cycle rate of 10/min, the rotary dampers still have more than 80% of their damping torque after 50,000 cycles.

Operating Temperature: -5°C to +50°C.

Maximum Rotational Angle: 210°.

Mass: 1.75kg.

Features

Maintenance-free and self-contained.

Safe motion

Design-oriented

Economical construction

Broad range of application

High energy absorption with small modules

Higher overall quality for controlled motion with uniform, smooth movement

Safe opening and closing

Protection of delicate components

Other Info.

Keyed output shaft shown in mid-travel position.

A play of 5° can occur at the beginning of the movement.

Not to be used as a final end stop. External mechanical stops to be fitted at each end of travel.



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