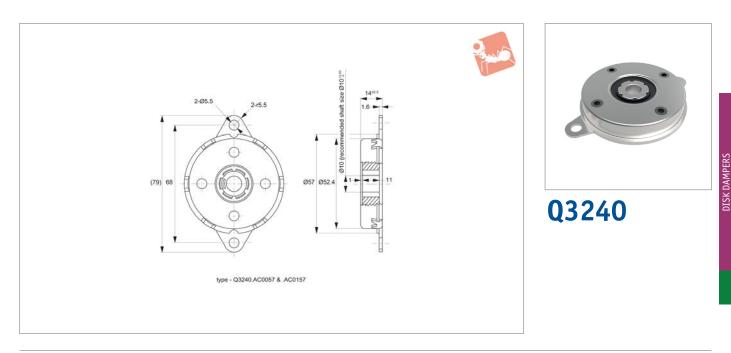


Disk Dampers uni-directional - continuous direction - up to 55

Disk Dampers



Material

Body: iron (SPFC). Shaft: nylon (with glass). Oil: silicone.

Technical Notes

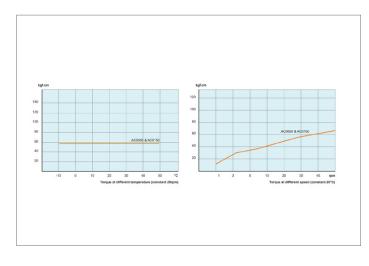
When inserting shaft, insert by rotating

shaft in opposite direction to the dampening direction. Damper can only take torque load.

Important Notes

Temperature range -10° to 50°C. Rotational speed 20rpm at 23°±3C°. Rotational speed 50rpm max. Cycle rate 12 cycle/min. Dampers are both clockwise and counter clockwise. Shaft: recommended shaft size Ø10, hardness HRC55, roughness 1.02 or lower

Order No.	Damping torque Nm ±0.5	Damping direction	Weight g
Q3240.AC0040	4.0	Clockwise	94
Q3240.AC0140	4.0	Counter-clockwise	94
Q3240.AC0050	5.0	Clockwise	94
Q3240.AC0060	6.0	Clockwise	94
Q3240.AC0150	5.0	Counter-clockwise	94
Q3240.AC0160	6.0	Counter-clockwise	94
Q3240.AC0070	7.0	Clockwise	94
Q3240.AC0170	7.0	Counter-clockwise	94





Q3200 - Q3260

DISK DAMPERS

Disk Dampers bi or uni-directional continuous rotation



Solution for controlled opening and closing motion	Wixroyd disk dampers offer controlled opening and closing of lids, drawers, covers and much they provide a range of solutions for a variety of applications creating smooth movement and function. Though unnoticed in many applications, disk dampers are a vital part of many produbringing quality, safety and durability. Disk dampers provide quality movement enhancing both touch and feel. Available in uni-dire (single) dampening, or bi-directional (double) version. Image: the state of the st	d ucts
Disk dampers		
Introduction	Disk dampers utilise the principle of fluid resistance to reduce the speed of moving parts. The viscosity is utilised to provide the "braking force" of the damper. The torque or "braking force adjusted by changing the viscosity of the oil.	
Applications	 Loading trays for CD, DVD, VCR, MD players. Arm rests, ashtrays, center consoles, glove boxes, handles and storage compartments in passenger vehichles. Camcorders, cellular and small personal of storage compartments 	
Operating principle and general specification	of fluid forced from one chamber to another via a rotor. Dampening speed is dependent upon the viscosity of the fluid and the diameter of the fluid aperture. Through the use of toothed plastic rack no. Q3150, disk dampers can be used to dampen on a linear plane rather than the normal	to Q3260 Orpm vcles/min 20rpm, C (73°F) to 50°C - 122F°) to 60°C to 60°C to 140°F)
Torque calculation Note Dampening direction is determined whilst looking directly onto the output shaft. Important Avoid side loading of the disk damper output shaft in order to maximise effectiveness.	To calculate the torque for your application, the following measurements are necessary. t (torque) = w x 0.5 x h h = length from pivot point to end of lid (cm) w = weight of the lid (Kg) Torque force stated per product (see individual product pages), is the maximum torque to which the specified part can be exposed before the dampening force yields and hence dampening is overcome. Important note: Once calculation has been made choose a disk damper from our range will can accommodate the newly calculated torque of the application. Use the damper closi speed graphs opposite to confirm that the rpm given at the corresponding torque val matches the desired lid closing speed. If the desired rpm is beyond the capacity of th selected damper, then select another damper with a higher torque rating and re-test.	ing lue 1e

