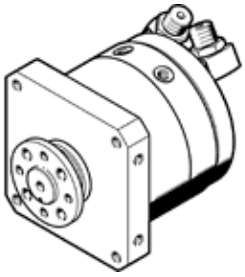
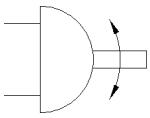
semi-rotary drive
DSM-T-40-270-P-FW-A-B

Part number: 1145111





Data sheet

Feature	Value
Size	40
Cushioning angle	2 deg
Rotation angle adjustment range	0 ... 270 deg
Swivel angle	0 ... 270 deg
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Fine adjustment	-6 deg
Mode of operation	double-acting
Design structure	Rotary vane
Position detection	For proximity sensor
Operating pressure MPa	0.2 ... 1 MPa
Operating pressure	2 ... 10 bar
Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)	2 Hz
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:-:-]
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-10 ... 60 °C
Max. axial force	120 N
Max. radial force	350 N
Theoretical torque at 0.6 MPa (6 bar, 87 psi)	40 Nm
Permissible mass moment of inertia	0.035 kgm2
Product weight	4,005 g
Mounting type	with internal (female) thread
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material of drive shaft	Steel Nickel plated
Material seals	TPE-U(PU)
Material housing	Wrought Aluminium alloy