

- Very neat and compact
- Cleanline styling
- Helical ramp actuation
- Models for clockwise and anti-clockwise rotation

Torque Units
Single Acting
2,2 Nm



Technical Data

Medium:

Compressed air, filtered and lubricated

Operation:

Single acting

Operating Pressure:

2,5 - 8 bar

Operating Temperature:

-20°C* to +70°C

*Consult our Technical Service for use below +2°C

Rotation:

90°+10°

Direction of Rotation

Clockwise M/50052

Anti-clockwise M/50051

Torque Output:

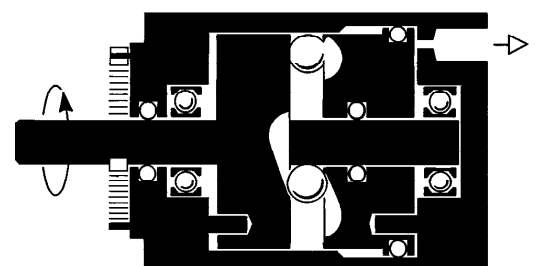
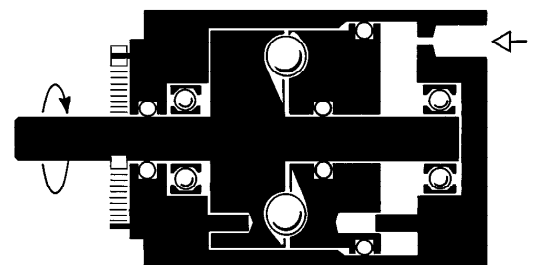
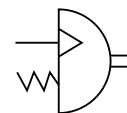
2,2 Nm

Resetting Moment:

0,165 Nm

Torque Output Range

0,62 - 2,2 Nm



Materials

Stainless steel shaft, aluminium body and end covers, nitrile rubber seals.

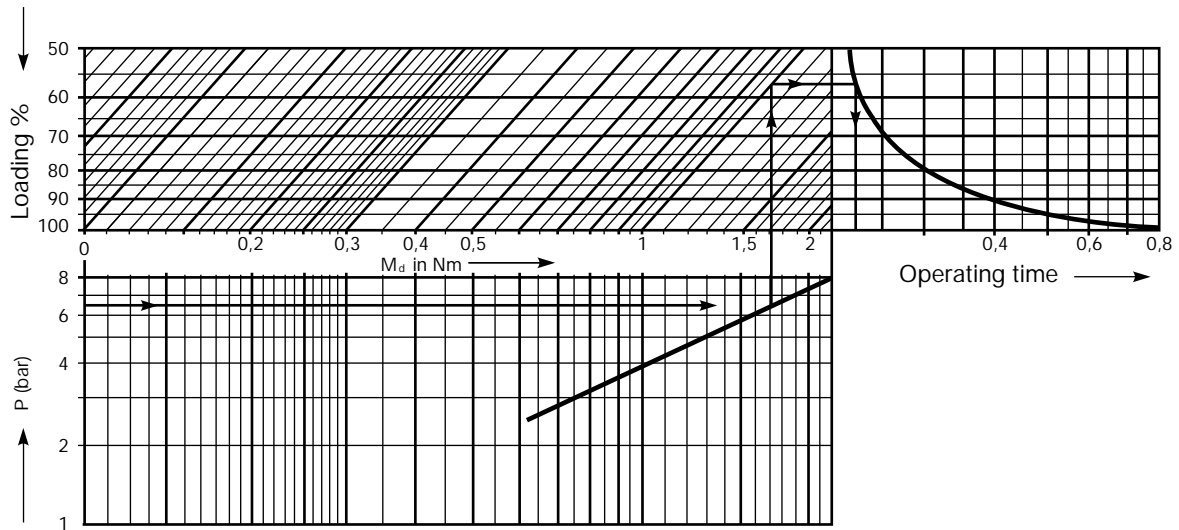
Ordering Information

To order an anti-clockwise rotating unit, quote:
M/50051. Direction of rotation is as viewed on the shaft end.



Torque

Example: Available pressure 6,5 bar and required torque 1 Nm giving 58% loading with changeover time 0,1 seconds.

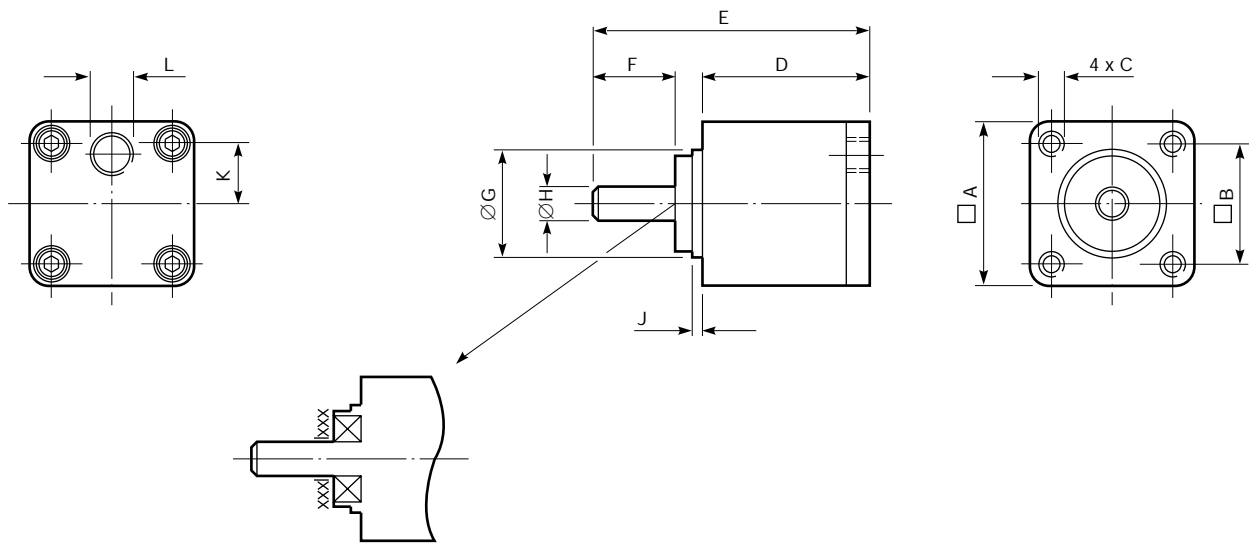


Weights (kg)

Model	Weight
M/50051	0,54
M/50052	0,54



Basic Torque Unit Dimensions



Model	M/50051	M/50052
A	50	50
B	39	39
C	M5x10 deep	M5x10 deep
D	53	53
E	86	86
F	25	25
Gf7	35,0 34,9	35,0 34,9
Hf8	10	10
J	2,5	2,5
K	15,5	15,5
L	G ¹ / ₈	G ¹ / ₈

Note: The areas marked ☒ must be adequately supported.

Important: It is essential that in designing the method of mounting these units the return spring is securely retained over the area indicated thus 'xxxl lxxx'.

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where *pressures* and *temperatures* can exceed those listed under 'Technical Data'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN MARTONAIR.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.