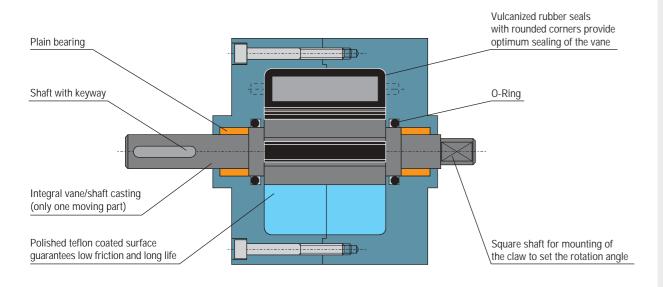
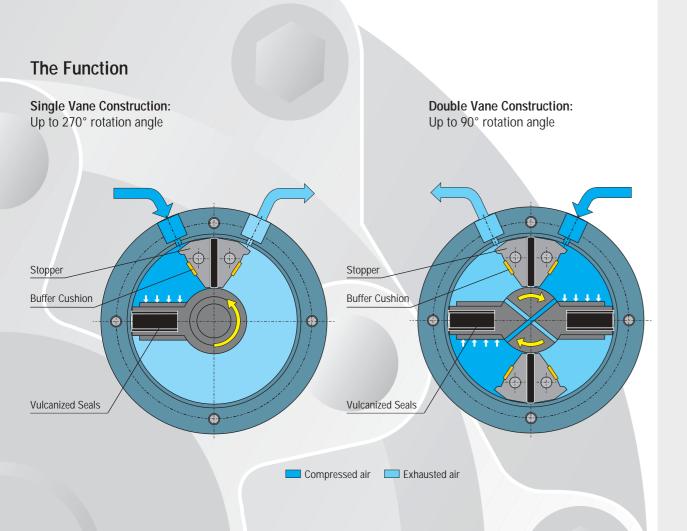
torques up to 242 Nm

The Design











Fittings





Norgren is a leading world manufacturer and supplier of pneumatic solutions,

offering a comprehensive range of pneumatic control and automation

components via a global sales and

service network which covers 70 countries worldwide. The company is a principal member of the diverse and internationally successful £1 billion

IMI Group.



Series M/60200 – Double Acting Rotation Angles: 30° to 270° Torque at 6 bar: 0.13 to 242 Nm















The complete solution for turning and rotating

- Single and double vane rotary actuators for a wide field of applications
- High torque, very space saving design
- Double plain bearings support the shaft
- Selected materials guarantee long life and low friction

MINI Rotary Vane Actuators



M/60280 to M/60284

Single or double vane construction Fixed rotation angles: 90°, 180°, 270° Adjustable rotation angles: 30° to 270° Torque at 6 bar: 0,13 to 9,31 Nm Double acting, buffer cushioning



Rotary Vane Actuators



M/60285 to M/60288

Single or double vane construction Fixed rotation angles: 90°, 180°, 270° Torque at 6 bar: 5,78 to 241,73 Nm Double acting, buffer cushioning



Technical Data



Compressed air, filtered, lubricated and non-lubricated



Operating Pressure: 2 to 10 bar (see catalogue sheet)

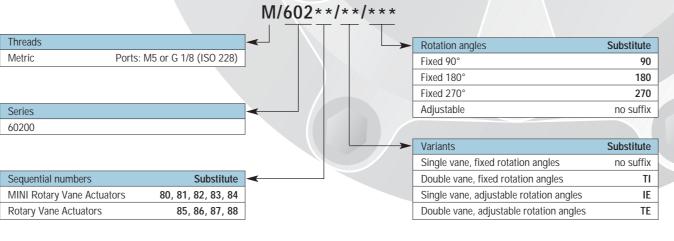


Operating Temperature:



Materials: Housing: Cast aluminium Shaft: Steel (one piece) Bearings: Sintered bronze Seals: Nitrile rubber

Model Codes



MINI Rotary Vane Actuators Models with fixed or adjustable rotation angles

Model	Torque**	Single	Double	Rotation Angles		
	at 6 bar(Nm)	Vane	Vane	90°	180°	270°
M/60280/*	0,13	•		•	•	
M/60281/*	0,35	•		•	•	
M/60281/IE	0,35	•		Adjustable from 30° to 180		
M/60282/*	1,04	•		•	•	
M/60282/IE	1,04	•		Adjustable from 30° to 180		
M/60283/*	1,91	•		•	•	
M/60283/IE	1,91	•		Adjustable from 30° to 180		
M/60284/*	4,02	•		•	•	•
M/60284/IE	4,02	•		Adjustable from 30° to 270		
M/60284/TI	9,31		•	•		
M/60284/TE	9,31		•	Adjustable from 30° to 90°		

Rotary Vane Actuators Models with fixed rotation angles

Torque**	Single	Double	Rotation Angles		
at 6 bar(Nm)	Vane	Vane	90°	180°	270°
5,78	•		•	•	•
12,55		•	•		
17,65	•		•	•	•
40,69		•	•		
33,83	•		•	•	•
87,39		•	•		
120,91	•		•	•	•
241,73		•	•		
	at 6 bar(Nm) 5,78 12,55 17,65 40,69 33,83 87,39 120,91	at 6 bar(Nm) Vane 5,78 12,55 17,65 40,69 33,83 87,39 120,91 ●	at 6 bar(Nm) Vane Vane 5,78 12,55 17,65 40,69 33,83 87,39 120,91 • Vane Vane • Vane	at 6 bar(Nm) Vane Vane 90° 5,78 12,55 17,65 40,69 33,83 87,39 120,91 • Vane 90° • • • • • • • • • • • • • • • • • • •	at 6 bar(Nm) Vane Vane 90° 180° 5,78 ● ● ● 12,55 ● ● ● 17,65 ● ● ● 40,69 ● ● ● 33,83 ● ● ● 87,39 ● ● ● 120,91 ● ● ●

- * Rotation angles
- ** Theoretical torque

Switches







M/42/P with LED

Open collector output Plug in connector

MINI Rotary Vane Actuator

