

M/31000, M/32000, Air bellows
Single acting



Alternative air bellows

Symbol	Model	Material	Description	Dimension see page
	M/31000	Standard	Ø 6 ... 16 inches (125 ... 406 mm)	3
	M/32000	Standard	Ø21 ... 26 inches (533 ... 660 mm)	3 & 4
	TM/31000	IR	Ø 6 ... 16 inches (125 ... 406 mm)	3
	TM/32000	IR	Ø21 inches (533 mm)	3
	EM/31000	ECO	Ø 6 ... 16 inches (125 ... 406 mm)	3
	EM/32000	ECO	Ø21 inches (533 mm)	3

Options selector

★M/3★★★★★

Air bellow materials	Substitute	Number of convolutions	Substitute
NR/BR, SBR compound rubber	None	1	1
High temperature (IR)	T	2	2
Extreme temperature (ECO)	E	3	3
Variants	Substitute	Nominal diameters (inches)	Substitute
Standard with bead ring and plate	1	6	06
Only with bead ring (21" & 26")	2	8	08
		10	10
		12	12
		14 1/2	14
		16	16
		21	21
		26	26

Note: Please fill in only the numbers of digits required, e.g. M/31082



Important instructions:

Thrust:

The thrust depends on the height of the bellow. When height increases - the thrust decreases.

- Before installing the air bellow, check it carefully for any damage it may have suffered from transport or improper storage.
- Do not inflate the air bellow until it has been secured properly.

Clearance:

There must be enough clearance around the air bellow.

- The full surface of the metal parts is to be used to bear the forces.
- Air bellows must be equipped with lateral guides.
- Deflate the air bellows fully before removing.
- Ensure that the bellows is not constantly in contact with hydraulic oil, lubricants, solvents, metal cuttings and welding sparks.
- Should the air bellow be subjected to special media in an application, ask Norgren for further information, specifying the medium, temperature and concentration

Stops:

To avoid damage when the bellow is compressed or extended mechanical stops at both end positions have to be used.