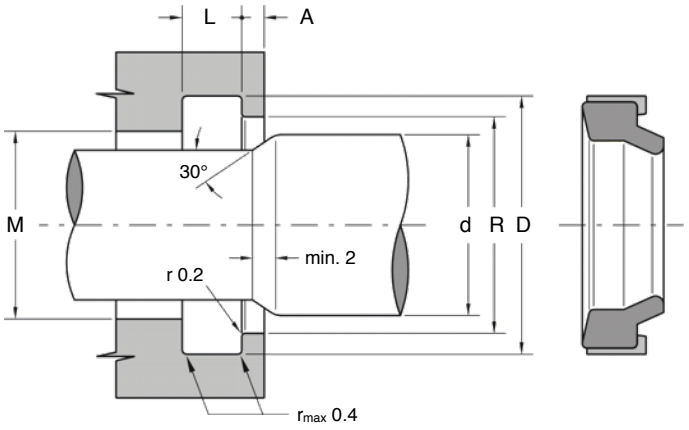
AMM CUSHIONING RING



DESCRIPTION
Cushioning seal for pneumatic cylinders

MATERIAL
Type:	Polyurethane
Designation:	SEALPUR 93
Hardness:	93 °ShA

MAIN FEATURES
The ring type AMM was designed specifically for pneumatic cushioning where high pressure peaks occur. A lip sealing with a chamfer on the inside assures an effective cushioning.
At the change of direction, the integrated check valve function ensures that the pressure can be applied on the full piston surface.
The material used to produce this seal is a polyurethane compound, specifically developed for the production of pneumatic seals, that ensures excellent properties on wear-resistance, extended service life and low permanent deformation.

- Extended service life
- Easy installation
- Simple groove design
- Excellent wear-resistance
- Easy installation without expensive auxiliaries

FIELD OF APPLICATION
Pressure	≤ 20 bar
Speed	≤ 1 m/s
Temperature	-35°C ÷ +80°C
Fluids	Air with or without lubrication, grease, mineral oils, non-aggressive gases, etc.

SURFACE ROUGHNESS
Dynamic surface	Ra ≤ 0.25 µm	Rt ≤ 2.5 µm
Static surface	Ra ≤ 0.8 µm	Rt ≤ 6.3 µm

LEAD-IN CHAMFERS	d	S_{MIN}	Angle
	•less 20	3 mm	15°÷20°
	20÷50	4 mm	15°÷20°
	51÷150	5 mm	15°÷20°
	•over 150	6 mm	15°÷20°

- to avoid damaging the sealing lips during installation, housing must have rounded chamfers. Sharp edges and burrs within the installation area of the seal must be removed

Part.	d ^{h10}	D ^{H11}	M ^{H11}	R ^{H11}	L $^{\pm0.1}$	A $^{+0.2}$
AMM 9.5 15	9.5	15	10	12	4.5	2
AMM 12 18	12	18	13	15.5	4.8	2
AMM 12 20	12	20	13	17	7	2
AMM 14 20	14	20	15	17.5	7	2
AMM 14 22	14	22	15	19	7	2
AMM 16 24	16	24	17	21	7	2
AMM 20 28	20	28	21	24	7	2
AMM 22 30	22	30	23	26	7	2
AMM 25 33	25	33	26	29	7	2
AMM 28 36	28	36	29	32	7	2

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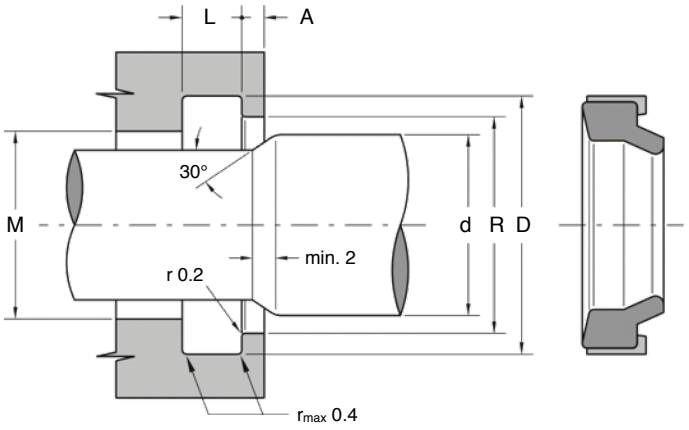

Part.	d h10	D H11	M H11	R H11	L ±0.1	A +0.2
AMM 30 40	30	40	31.5	35	7	2
AMM 32 42	32	42	33.5	37	7	2
AMM 36 46	36	46	37.5	41	7	2
AMM 40 50	40	50	41.5	45	7	2
AMM 50 60	50	60	51.5	55	7	2