

ISO 15552 CYLINDER WITH "COMBI" PISTON ROD GASKET

In some applications the piston rod is exposed to pollutants and dirt, which tend to adhere to the surface. Ordinary gaskets are made of relatively soft elastomers as their main job is to provide a pneumatic seal. In critical applications they are unable to scrape dirt off the surface of the piston rod.

COMBI piston rod gaskets are designed to solve these problems. They are made up of two separate parts:

- **a sealing element**, inside the cylinder, made of a special NBR elastomer with a Shore A hardness of 80 to provide a pneumatic seal.
- **a scraper ring**, outside the cylinder, made of highly wear-resistant plastic.



FEATURES AND ADVANTAGES

COMBI gaskets have three functions - sealing, scraping and securing.

The outer projection of the scraper ring secures the cylinder head in its seat, so steel retaining rings are not required. This eliminates the risk of corrosion due to the presence of metal.

Friction is reduced. The materials used in the scraper ring and sealing element make the gasket extremely long lasting.

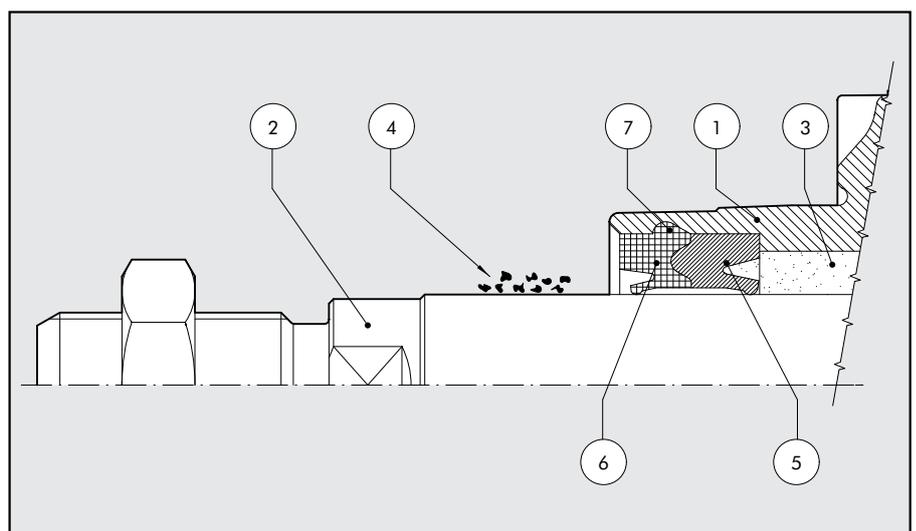
Cylinders with COMBI gaskets can be used with unlubricated dry air.

The cylinder head seat is the same as for other Metal Work cylinder gaskets, so the cylinder head is standard.

OPERATING PRINCIPLE

The gasket is housed in the cylinder head ①. Inside the cylinder there is compressed air ③. Dirt ④ deposits on the piston rod ②.

The sealing element ⑤ provides the pneumatic seal. The scraper ring ⑥ cleans the piston rod. The projection ⑦ on the scraper ring secures the gasket in the cylinder head seat.





TECHNICAL DATA

Bores: $\varnothing 32$; $\varnothing 40$; $\varnothing 50$; $\varnothing 63$; $\varnothing 80$; $\varnothing 100$; $\varnothing 125$.

The same as for ISO 15552 cylinders with NBR gaskets.

Maximum recommended speed: 1 m/s.

CODES

The codes for ISO 15552 cylinders apply, the last letter C identifying the type of gasket.

Example:

1210320100CC: ISO 15552 cylinder, dual-acting, cushioned, magnetic, diameter 32, stroke 100 mm, piston rod made of C45 chrome, COMBI piston rod gasket, other gaskets NBR.

NOTES

Area with horizontal lines for notes.

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The dimensions shown in this catalogue are subject to variations at any time without prior notice