Product Information

sealing products

NAK Bonded Piston Seals for Automatic Transmission

ISO / TS - 16949 OHSAS - 18001



Those components of transmission are required higher stability and response.

To support automatic transmission manufacturers continually developing new designs that accelerate automatic transmission state-of-the-art, NAK has developed bonded piston seals for automatic transmission to offer longer service life and technical performance efficiency.



Materials

- ✓ Polyacrylate (ACM)
- Hydrogenated Nitrile
 (HNBR)
- ✓ Fluorocarbon (FKM)

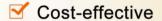
NAK Bonded Piston Seals for automatic transmission are primarily made out of following materials; ACM, HNBR, and FKM. ACM performs high resistance to transmission fluids. HNBR is made from NBR by hydrogenation with high temperature resistance, abrasion resistance and good physical properties. FKM is recommended for applications involving fluids such as oil, engine coolant and water in high operating temperatures. All of these materials listed above perform excellent heat stability and resistance to oil, ozone and temperatures. Additional elastomeric compounds are available to fit different applications.

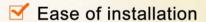
To meet or exceed OE specifications and cutomer requirements, NAK offers various bonded piston seals including custom-made products. More technical support is available upon request.

TRANSMISSION PISTON SEAL APPLICATION					
Vehicle	Model	Model Year	Engine Size	Transmission Type	Transmission Model
Audi	А3	1996-2003	L4 2.0L	4 Spd FWD	01M
	A4	1995-96	L4 1.6L 1.8L 1.9L	4 Spd FWD	01N
	A6 Avant	1995-98	L4 1.9L 2.0L; V6 2.6L	4 Spd FWD	01N
	Cabriolet	1995-98	L4 1.6L 1.8L 1.9L	4 Spd FWD	01N
	Cabriolet	1995-98	V6 2.8L	4 Spd FWD	01N
	Cabrio	1995-02	L4 2.0L	4 Spd FWD	01M
	Golf	1996-03	L4 1.8/2.0L 1.9 Diesel	4 Spd FWD	01M
	Golf	2004-06	L4 2.0L	4 Spd FWD	01M
	Golf VR6	1996-05	V6 2.8L	6 Spd FWD	01M
	GTI	1999-01	L4 1.8L 2.0L	4 Spd FWD	01M
	Jetta	1993-05	L4 1.8L 1.9L(Diesel)	4 Spd FWD	01M
	Jetta	1993-05	L4 2.0L; V6 2.8L	4 Spd FWD	01M
VOLKSWAGEN	New Beetle	2004	L4 1.8L 2.0L	4 Spd FWD	01M
	Passat	1995-97	1.8L 2.8L 1.9L	4 Spd FWD	01M
	Vento	1995-97		4 Spd FWD	01M
	Caravelle	1995-		4 Spd FWD	01P
	Eurovan	1995-06	V6 2.8L	4 Spd FWD	01P
	Sharan	1995-99	1.8T 1.9TDi 2.0L 2.8L	4 Spd FWD	01P
	Caravelle	1990-94		4 Spd FWD	098
	Eurovan	1992-94	L5 2.5L	4 Spd FWD	098
	Transporter	1988-94		4 Spd FWD	098

NAK bonded piston seals for automatic transmission are the designs of the rubber-to-metal seals which reduce the overall cost, weight, complexities of installation and save space. The integral structure also reduces the regular tight tolerances required in machined piston designs while providing greater seal characteristics.

Benefits





✓ Integrated characteristics

✓ Robust design

✓ Weight reduction





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 - 2.5 are damaged due to natural deterioration, decomposition or transformation of chemical structure.
- 3. The products may be applied in critical environment or specific equipment only upon official confirmation of the sample by NAK's technical personnel and the passing of tests conducted by buyer.



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