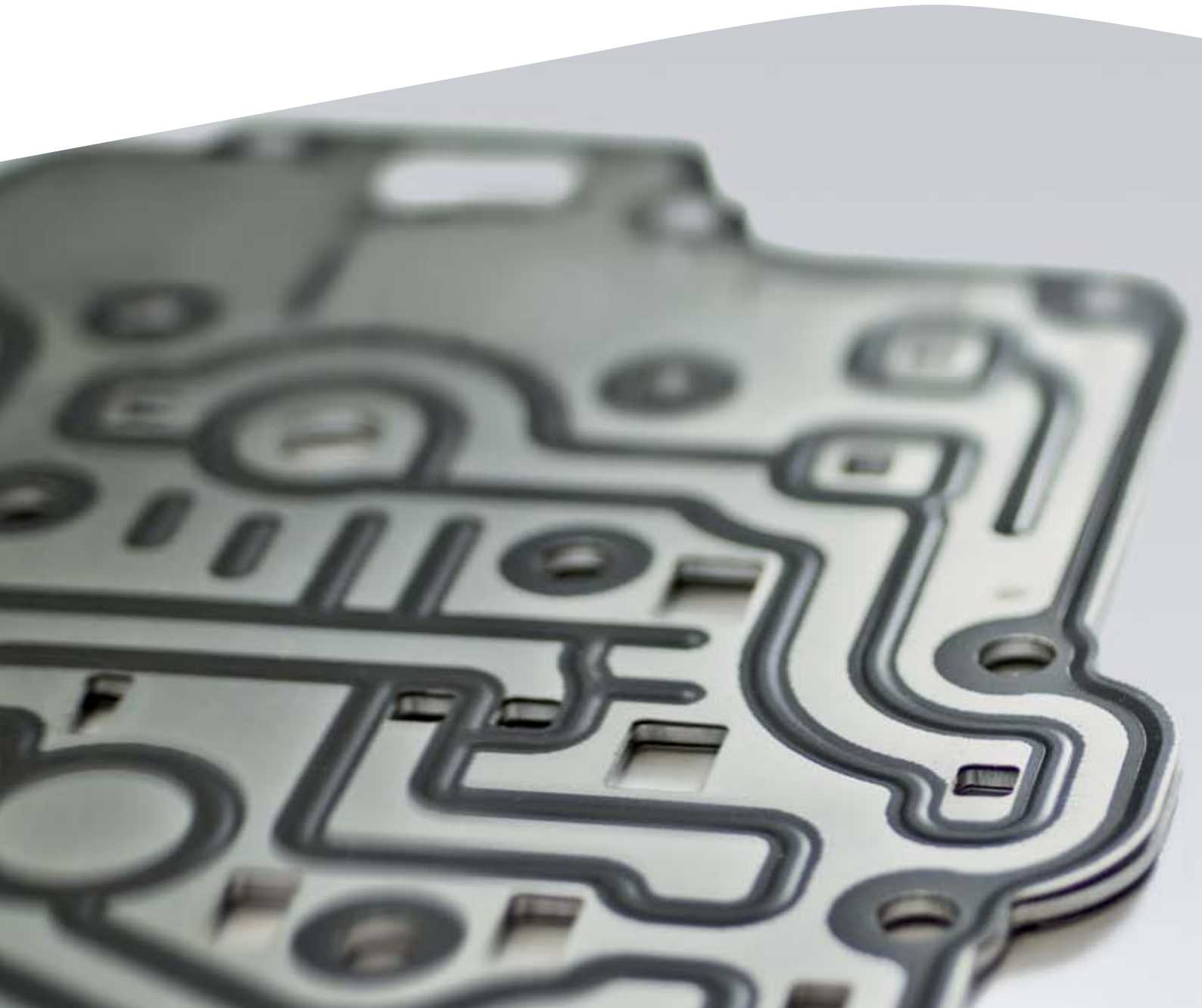


Transmission Valve Body Separator Plates

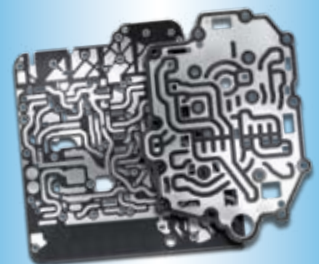


VICTOR REINZ®

Sealing Products



Cutting-edge technology improves sealing, efficiency, and durability for advanced multi-speed, dual clutch, and continuously variable transmissions.



Transmission Valve Body Separator Plates

Dana's transmission separator plates offer optimum performance under pressure by substantially increasing valve body sealing for high-performance transmissions and by helping customers eliminate leak paths. This technology allows optimized channel paths and smaller valve bodies through the reduction of fasteners that can interfere with desired flow paths.



Single-Layer Steel Separator Plate

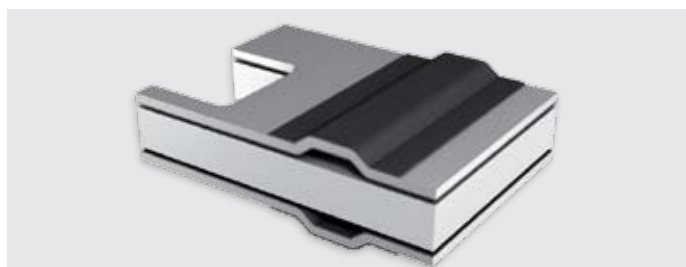
Features and Benefits

Single-layer steel separator plate for mechatronic modules

Coating with high adaptability and sealing potential

Partial fluoroelastomer (FKM) coating on both sides to control fluids

Fulfills cleanliness requirements for transmission products



Multi-Layer Steel (MLS) Separator Plate

Features and Benefits

Three-layer design

MLS separator plate for high sealing demands on mechatronic modules

Bead as elastic sealing element

Partial fluoroelastomer (FKM) coating for micro-sealing in critical areas

Fulfills cleanliness requirements for transmission products

Enables higher operating pressures required for 8- or 9-speed and dual clutch transmissions

Lower installed thickness

Supports smaller valve bodies – lower seal width

Properties	Single-Layer Steel Separator Plate	MLS Separator Plate
Required sealing pressure (depending on internal pressure)*	Min. 10 N/mm* (at 30 bar)	Min. 10 – 15 N/mm* (at 80 bar)
Recommended bolt spacing*	50 – 60 mm*	50 – 100 mm*
Component flatness under tightening conditions* (total of both components)	High*	Medium*
Recommended sealing web width	Min. 3.0 mm	Min. 3.0 mm
Required component stiffness	High	Medium
Roughness of sealing area	$R_z < 16\mu\text{m}$; $R_{\text{max}} < 25\mu\text{m}$	$R_z < 16\mu\text{m}$; $R_{\text{max}} < 25\mu\text{m}$
Resistance to transmission oils	High	High
Adaptability	Medium	High
Internal pressures*	< 30 bar*	< 80 bar*

*Values depending on component design

Power Technologies Group

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VICTOR REINZ[®]

Sealing Products

For more information, please call 1-888-670-DANA (3262) or visit www.dana.com

Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.