


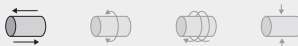
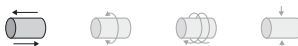

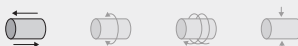



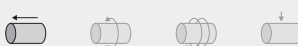

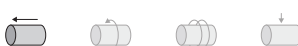




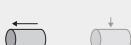



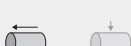








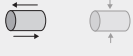



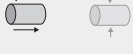



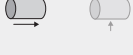



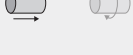



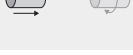











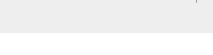

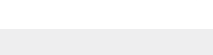









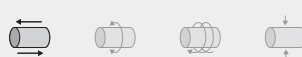



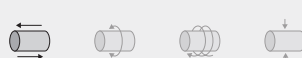



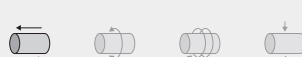


























# Rod Seals

Product with typical application	Movement application	Pressure maximum	Sliding speed maximum
 <b>Rod Seal, TS01P</b> Hydraulics, single acting		400 bar	0,7 m/s
 <b>Rod Seal, TS01R</b> Hydraulics, single acting		160 bar	0,5 m/s
 <b>Rod Seal, TS02P</b> Hydraulics, single acting		700 bar	0,7 m/s
 <b>Rod Seal, TS02PD</b> Hydraulics, single acting		700 bar	0,7 m/s
 <b>Rod Seal, TS02PS</b> Hydraulics, single acting		400 bar	0,7 m/s
 <b>Rod Seal, TS02R</b> Hydraulics, single acting		250 bar	0,5 m/s
 <b>Rod Seal, TS02RD</b> Hydraulics, single acting		250 bar	0,5 m/s
 <b>Rod Seal, TS03F</b> Food, pharmaceutical and chemical industry, single acting		400 bar	1 m/s
 <b>Rod Seal, TS03FS</b> Food, pharmaceutical and chemical industry, single acting		400 bar	1 m/s
 <b>Rod Seal, TS03P</b> Hydraulics, single acting		400 bar	0,7 m/s
 <b>Rod Seal, TS04P</b> Hydraulics, single acting		700 bar	0,7 m/s
 <b>Rod Seal, TS04PD</b> Hydraulics, single acting		700 bar	0,7 m/s
 <b>Rod Seal, TS05P</b> Pneumatics, single acting		25 bar	2 m/s
 <b>Rod Seal, TS05R</b> Pneumatics, single acting		25 bar	1 m/s
 <b>Rod Seal, TS06P</b> Hydraulics, single acting		400 bar	0,7 m/s



Product with typical application	Movement application	Pressure maximum	Sliding speed maximum
 <b>Rod Seal, TS06R</b> Hydraulics, single acting		160 bar	0,5 m/s
 <b>Rod Seal, TS07F</b> Food, pharmaceutical and chemical industry, single acting		400 bar	1 m/s
 <b>Rod Seal, TS07P</b> Hydraulics, single acting		400 bar	0,7 m/s
 <b>Rod Seal, TS08P</b> Hydraulics, single acting		400 bar	0,4 m/s
 <b>Rod Seal, TS08PE</b> Hydraulics, single acting		400 bar	0,4 m/s
 <b>Rod Seal, TS08R</b> Hydraulics, single acting		160 bar	0,3 m/s
 <b>Rod Seal, TS09D/F</b> Hydraulics, double acting		600 bar	10 m/s
 <b>Rod Seal, TS09D/X</b> Hydraulics, double acting		600 bar	5 m/s
 <b>Rod Seal, TS09DS/F</b> Hydraulics, double acting		600 bar	10 m/s
 <b>Rod Seal, TS09DS/X</b> Hydraulics, double acting		600 bar	5 m/s
 <b>Rod Seal, TS09E/F</b> Hydraulics, single acting		600 bar	10 m/s
 <b>Rod Seal, TS09E/X</b> Hydraulics, single acting		600 bar	5 m/s
 <b>Rod Seal, TS09ES/F</b> Hydraulics, single acting		600 bar	10 m/s
 <b>Rod Seal, TS09ES/X</b> Hydraulics, single acting		600 bar	5 m/s
 <b>Rod Seal, TS09P</b> Hydraulics, single acting		250 bar	1,4 m/s
 <b>Rod Seal, TS10M</b> Hydraulics, single acting		500 bar	0,7 m/s
 <b>Rod Seal, TS10T</b> Hydraulics, single acting		500 bar	0,7 m/s
 <b>Rod Seal, TS13T</b> Hydraulics, single acting		500 bar	0,7 m/s

Product with typical application	Movement application	Pressure maximum	Sliding speed maximum
 <b>Rod Seal, TS15P</b> Hydraulics, double acting		400 bar	–
 <b>Rod Seal, TS16A</b> Hydraulics / Pneumatics, single acting		160 bar	5 m/s
 <b>Rod Seal, TS16B</b> Hydraulics / Pneumatics, single acting		160 bar	5 m/s
 <b>Rod Seal, TS17P</b> Hydraulics, single acting		400 bar	0,7 m/s
 <b>Rod Seal, TS17R</b> Hydraulics, single acting		160 bar	0,5 m/s
 <b>Rod Seal, TS18P</b> Hydraulics, single acting		600 bar	0,7 m/s
 <b>Rod Seal, TS18R</b> Hydraulics, single acting		250 bar	0,5 m/s
 <b>Rod Seal, TS19F</b> Food, pharmaceutical and chemical industry, single acting		400 bar	15 m/s
 <b>Rod Seal, TS20E</b> Hydraulics, single acting		700 bar	0,5 m/s
 <b>Rod Seal, TS20R</b> Hydraulics, double acting		700 bar	0,5 m/s
 <b>Rod Seal, TS21P</b> Hydraulics, single acting		400 bar	0,7 m/s
 <b>Rod Seal, TS22P</b> Hydraulics, single acting		400 bar	0,7 m/s
 <b>Rod Seal, TS22R</b> Hydraulics, single acting		160 bar	0,5 m/s
 <b>Rod Seal, TS24P</b> Hydraulics, single acting		700 bar	0,7 m/s
 <b>Rod Seal, TS25F</b> Food, pharmaceutical and chemical industry, single acting		100 bar	1,5 m/s
 <b>Rod Seal, TS29F</b> Food, pharmaceutical and chemical industry, single acting		315 bar	1,5 m/s
 <b>Rod Seal, TS32P</b> Hydraulics, single acting		500 bar	0,7 m/s
 <b>Rod Seal, TS35P</b> Hydraulics, double acting		400 bar	0,5 m/s

Product with typical application	Movement application	Pressure maximum	Sliding speed maximum
 <p><b>Rod Seal, TS37P</b> Hydraulics, double acting</p>		<p><b>50 bar</b></p>	<p>–</p>
 <p><b>Rod Seal, TS37R</b> Hydraulics, double acting</p>		<p><b>50 bar</b></p>	<p>–</p>

Please note that the above data on operating pressure and sliding speed are maximum values. In special cases please contact our application engineers who will adapt the product and design to your application. In principle, product tests are recommended for special applications in the limit range and no liability can be accepted.