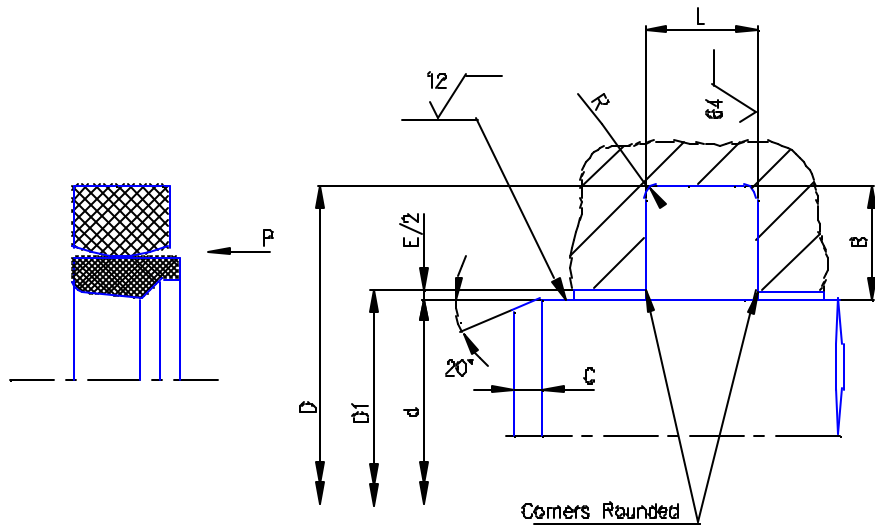


# Heavy Duty Primary Rod Seal

## Hardware Specifications

### Type: 190 Series



	Rod dia d	B	D	D1	L	E	C	R
Series 1	Up to 8.000"	0.394	Dia d + 0.787	Dia D + 0.020	0.394	0.020	0.295	0.016
Series 2	Up to 12.000"	0.492	Dia d + 0.984	Dia D + 0.024	0.492	0.024	0.375	0.016
Series 3	Up to 18.000"	0.591	Dia d + 1.181	Dia D + 0.024	0.591	0.024	0.500	0.031
Series 4	Up to 27.000"	0.689	Dia d + 1.378	Dia D + 0.024	0.689	0.024	0.500	0.047
Series 5	Up to 50.000"	0.787	Dia d + 1.575	Dia D + 0.024	0.787	0.024	0.625	0.047

Groove dimensions for sizes not listed in the following pages can be calculated from the table above.

The extrusion gap "E" is suitable for pressure up to 6000psi and temperatures up to 175 Deg F. For higher pressures or temperatures please consult with us prior to finalizing your design.

### Operating Conditions:

The operating conditions listed are based on our standard PTFE/Bz material and NBR energizer. Other materials are available for special applications. In certain applications pressure rating can be increased with adjustment of extrusion gap E.

Pressure	6000psi ( 400 bar )	
Speed	16.5 ft/sec ( 5 m/s )	
Media - Temp compatibility	Min (F)	Max (F)
Hydraulic oil	-38	250
Water based Emulsions	40	140
Water Glycol	-38	140
Water	40	210
Polyol Ester	-38	175