

# R520

## Cartridge Seals



### Product Description

1. Double seal configuration
2. Balanced slurry seal
3. Cartridge Design construction
4. Inside mounted multi spring pusher seal
5. Designed to handle highly corrosive toxic, and volatile liquids

### Technical Features

1. Ideal for use in ANSI process pumps
2. Factory assembled cartridge design for easy Installation
3. Hydraulically balanced seal faces
4. Large radial clearances and non-clogging multi spring design

### Industrial Application

ANSI process pumps  
 Mining and mineral ore Industry  
 Paper and pulp industry  
 Power generation industry  
 Textile industry  
 Water and waste water technology

### Material Of Construction

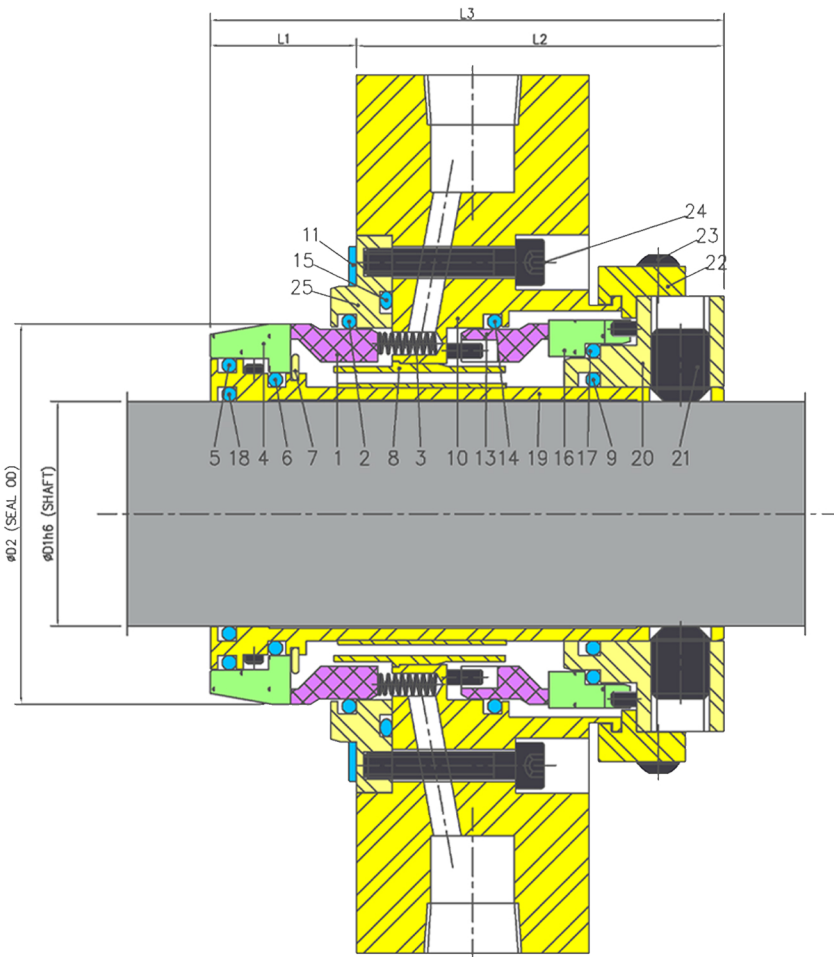
**Seal Face:** Carbon Graphite Antimony Impregnated/Carbon Graphite Resin Impregnated/Silicon -Carbide/Tungsten -Carbide  
**Seat :** Carbon Graphite Antimony Impregnated Carbon Graphite Resin Impregnated/Silicon -Carbide/Tungsten -Carbide  
**Elastomer:** Viton /Aflas/TTV /EPDM/KARLEZ  
**Metal Parts:** S.S.316 / Hast'C  
 Note : Other MOC Combinations On Request

### Available Sizes

28mm to 150mm ( 1.125" to 6.000")  
 Note : Other Sizes On Request

### Operating Limits

**Pressure** = 19.6Kg/cm<sup>2</sup> (MAX)  
**Temperature** = -40°C to 177°C  
**Speed** = 23m/s (75 ft/s)  
**Permissible axial movement** = ±1.0



Item	Description
1	SR IB
2,5,6,9,14,15,17,18	O Ring
3	Spring
4	MR IB
7	Circlip
8	Spring Holder

Item	Description
10	Gland plate
11	Gasket
12	Bush
13	SR OB
16	MR OB
19	Sleeve

Item	Description
20	Drive Collar
21	Set Screw
22	Holding clip
23	Head screw
24	Allen Screw
25	Inner gland

## Dimensional Data

D1					
INCH	MM	D2	L1	L2	L3
1.125	28.00	59.41	26.26	82.55	92.85
1.250	30 & 32	62.59	26.16	82.55	92.85
1.375	35.00	65.76	26.46	82.55	92.85
1.500	38.00	68.94	26.26	82.55	92.85
1.625	40 & 42	72.11	26.17	82.55	92.85
1.750	45.00	75.29	26.26	82.55	92.85
1.875	48.00	78.46	26.26	82.55	92.85
2.000	50.00	81.64	26.26	82.55	92.85
2.125	53.00	84.97	26.26	82.55	92.85
2.250	55.00	87.99	26.26	82.55	92.85
2.375	60.00	91.16	26.26	82.55	92.85
2.500	63.00	94.34	26.26	82.55	92.85
2.625	65.00	97.51	26.26	82.55	92.85
2.750	70.00	100.69	26.26	82.55	92.85
2.875	73.00	103.86	26.26	82.55	92.85
3.000	75.00	107.04	26.26	82.55	92.85
3.125	80.00	110.21	26.26	82.55	92.85
3.250	83.00	113.39	26.26	82.55	92.85
3.375	85.00	116.56	26.26	82.55	92.85
3.500	90.00	119.74	26.26	82.55	92.85
3.625	-	126.09	26.26	85.85	97.68
3.750	95.00	129.26	26.26	85.85	97.68
3.875	-	132.44	26.26	85.85	97.68
4.000	100.00	135.61	26.26	85.85	97.68
4.125	105.00	138.79	26.26	85.85	97.68
4.250	-	141.96	26.26	85.85	97.68
4.375	110.00	145.14	26.26	85.85	97.68
4.500	115.00	148.31	26.26	85.85	97.68
4.750	120.00	154.66	26.26	85.85	97.68
5.000	125.00	161.01	26.26	85.85	97.68
5.250	130 & 135	167.36	26.31	85.81	97.68
5.500	140.00	173.71	26.26	85.85	97.68
5.750	145.00	180.06	26.26	85.85	97.68
6.000	150.00	186.41	26.26	85.85	97.68

**Note: Additional technical & dimensional information will be provided on request**