

RDS TM

Radially Divided Seals



- Minimum parts to assemble
- Patented assembled spring retainer
- External, visible, indicator of correct installation
- Balanced stationary design with large internal clearances
- Unique 'O' ring design

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RDS™ – Radially Divided Seal

The RDS[™] eliminates the need to remove or strip equipment for seal replacement. The unique design makes it the quickest to install two-part seal currently available in the market place.

Significant product development and dynamic testing were aimed at ensuring that the operating performance of the RDS[™] seal would be predictable.

The RDS[™] seal represents a significant advancement in separation technology and bridges the gap between pump packing and conventional mechanical seals.



Radially Divided Seal

The RDS[™], radially divided seal, has eliminated one potential leak-path by producing the rotary member as a precision lapped two-part rotary seal. Leakage control on the RDS[™] rotary, which has been lapped to the same standards as a normal rotary seal face, is potentially more predictable than faces used in other designs.

The RDS™ radially divided rotary has the secondary benefit of avoiding the need for additional sealing 'O' rings and gasket sealing devices.

Large Cross Section

Many RDS[™], radially divided seals, will be used to replace stuffing box packing. Often the shaft or sleeve will be heavily scored by the packing, particularly on larger diameters.

A possible option might be to remove the sleeve entirely, or reduce the outside diameter of the sleeve or shaft to provide a good surface to seal the RDSTM on.

- Precision lapped rotary seal-face provides industry leading separation technology and predictable sealing
- External wear indicator assists
 preventative maintenance
- Hydraulically balanced seal-faces for reduced seal-face loading, maximizing seal life and allowing for vacuum service capability
- Minimum parts to assemble
- Self-aligning stationary face
- Unique 'O' ring design (for predictable easy joining and assembly)
- By design gland studs or socket screws do not add to the installed length
- Patented assembled spring retainer (springs cannot fall out)

RDS™ — Radially Divided Seal

All RDS[™] seals are guaranteed not to fret the shaft or sleeve, following installation. This means that it might be practical to remove the shaft sleeve entirely, as long as it is not designed to set or position the impeller clearance.

With other designs, i.e. split seals, this option might not be available without manufacturing an adaptor plate, to seal the larger cross section that would result from reducing the shaft or sleeve outside diameter size.



As part of the design objective, provision has been made for large cross section alternatives, for each shaft size, to minimize the need for adaptor plates. All large cross section radially divided seals will be produced to order from inventoried castings.

Stationary Seal

The RDS[™] seal is a stationary seal. In a stationary seal the rotating member is fixed to the shaft and has no springs. The stationary member is spring-loaded, which is an effective way of overcoming potential angular mis-alignment problems. In addition very large clearances have been provided between the rotary and stationary members and the gland halves, which should minimize dead-ending or solidification problems that could be present in a stationary seal that had minimal clearances, particularly around the outside diameter of the stationary.



Seal general assembly

Large cross-section sealed with the RDS[™] seal

Performance

Extensive in-house testing has enabled us to set the following performance parameters.

The PV (Pressure x Velocity) capability of the seal is rated at 80 bar meters per second, which is 230,000 pounds per square inch / feet per minute.

Actual tests have been successfully completed at PV ratings of 340,000 pounds per square inch / feet per minute (120 bar meters per second) with a reduced life expectancy.

A chart follows which shows typical PV values, at a range of pressures, shaft diameters and at two different rotating speeds.

	Calc	ulated PV	Factors	
Shaft	Pressure	Speed	Factor	Factor
Size	(bar/psi)	(rpm)	(bar m/s)	(psi ft/min)
	4/60	1450	7.7	22000
1 000	10/150	1450	19.3	55000
(25mm)	4/60	2850	15.1	43000
(201111)	10/150	2850	37.9	108000
	4/60	1450	15.4	44000
1.000	10/150	1450	38.6	110000
(25mm)	4/60	2850	30.2	86000
	10/150	2850	75.8	216000
2.000	4/60	1450	23.1	66000
(50mm)	10/150	1450	57.9	165000
	4/60	2850	45.3	129000
4.000	4/60	1450	30.3	86000
(100mm)	10/150	1450	77.2	220000
	4 /60	2850	60.4	172000
5 000	4/60	1450	38.5	110000
(125mm)	8/120	1450	77.2	220000
(1201111)	4/60	2850	75.5	216000
5.000+		Consult Al	ESSEAL®	
(125mm+)	(Maximum i	s 80 bar m	/s (230.000 ps	i ft/min)



Dynamic test rig with 5.000" (125mm) RDS™ installed

Design Concept

The most important single objective was to design a radially divided seal that was easy to install. This was achieved by having the smallest possible number of parts to assemble.

The entire seal assembly comprises of only three 'O' rings, two rotary halves, two stationary halves and two gland cartridge halves, which include the springs and spring retainer. The only other parts are socket set screws and Allen keys.

A pre-assembled patented spring retainer ensures the springs are not under compression during the initial assembly. All seal parts are assembled, fixed to the shaft and tightened, before loading the springs, which are only compressed when the seal assembly is bolted to the face of the stuffing box.

The elastomer seals for both the rotary face and gland assembly have been designed to simplify installation.

Application Area

As with all radially divided seals, the ideal application area is in cool, clean fluids, which are non-hazardous and with minimal corrosive potential.

Such applications exist within every industry even though the RDS[™] seal is not suitable for sealing even a majority of applications in most plants.

Where no emissions or leakage, even on an occasional basis, can be tolerated, our radially divided mechanical seal should not be installed.



RDS™ face testing equipment







Installation and Wear Indicator

A stationary anti-rotation pin is also designed as an indicator that the RDS[™] seal has been properly installed, before pressurising and running the equipment.

An undercut in the pin should fall equally in the seal setting groove, if the seal is fitted to the correct working length.

The end of the pin will also move progressively towards the RDS[™] gland as wear takes place, providing an indication of the remaining seal life. When the end of the pin is level with the gland, the RDS[™] seal face replacement kit should be installed.



RDS[™] seal anti rotation setting and wear indicator pin arrangement





Item	Description	Material	Item	Description	Material
1	Gasket	Viton [®] / Aflas [®] *	11	Rotary Cap Head	316 Stainless Steel
2	Cap Head Screws	316 Stainless Steel	12	Stationary Face	Carbon
3	Gland Dowels	316 Stainless Steel	13	Stationary O Ring	Viton® / Aflas® *
4	Flush Port	n/a	14	Spring Retainer	316L SS
5	RDS™ Gland	316 Stainless Steel	15	Springs	Hastelloy [®] C
6	Gland Bolt	Not Supplied	16	Anti Rotation Pin	316 Stainless Steel
7	Centring Clips	Plastic	17	Solid Rotary Face	316L SS/CH.Ox
8	Shaft O Ring	Viton® / Aflas® *	18	Gland U-Gasket	Viton® / Aflas® *
9	Drive Screw	316 Stainless Steel	19	Rotary Face Clip	Plastic
10	Rotary Dowel	316 Stainless Steel	20	Shaft O Ring	Viton® / Aflas® *

* Aflas® is only available up to and including 8.000" (200mm).

RDS[™] – Dimensional Information



RDS[™] — Dimensional Information (inches)

2.500" - 2.625" RDS™ seal from -21 casting

DIM	Max								
Α	В	С	D	E	F	G	н	1	Bolt Dia
2.500	3.750	4.250	5.125	6.500	1.938	1.750	0.818	1.120	0.625
2.625	3.750	4.250	5.125	6.500	1.938	1.750	0.818	1.120	0.625

2.625" - 2.750" RDS™ seal from -22 casting

2.625	4.250	4.750	5.687	7.750	2.500	1.750	0.818	1.120	0.625
2.750	4.250	4.750	5.687	7.750	2.500	1.750	0.818	1.120	0.625

2.500" - 3.000" RDS™ seal from -24/21 casting

2.500									
to	4.500	5.000	5.937	8.000	2.500	1.750	0.818	1.120	0.625 *
2.750									
2.875	4.500	5.000	5.937	8.000	2.500	1.750	0.818	1.120	0.625
3.000	4.500	5.000	5.937	8.000	2.500	1.750	0.818	1.120	0.625

2.500" - 3.250" RDS™ seal from -26/20 casting

2.500									
to	4.750	5.250	6.250	8.250	2.500	1.750	0.818	1.120	0.625 🕇
3.000									
3.125	4.750	5.250	6.250	8.250	2.500	1.750	0.818	1.120	0.625
3.250	4.750	5.250	6.250	8.250	2.500	1.750	0.818	1.120	0.625

2.625" - 3.500" RDS™ seal from -28/22 casting

2.625									
to	5.000	5.500	6.562	8.500	2.500	1.750	0.818	1.120	0.750 *
3.250									
3.375	5.000	5.500	6.562	8.500	2.500	1.750	0.818	1.120	0.750
3.500	5.000	5.500	6.562	8.500	2.500	1.750	0.818	1.120	0.750

2.875" - 3.750" RDS™ seal from -30/24 casting

2.875									
to	5.250	5.750	6.750	8.750	2.500	1.750	0.818	1.120	0.750 *
3.500									
3.625	5.250	5.750	6.750	8.750	2.500	1.750	0.818	1.120	0.750
3.750	5.250	5.750	6.750	8.750	2.500	1.750	0.818	1.120	0.750

3.125" - 4.000" RDS™ seal from -32/26 casting

3.125									
to	5.500	6.000	7.062	9.000	2.500	1.750	0.818	1.120	0.750 *
3.750									
3.875	5.500	6.000	7.062	9.000	2.500	1.750	0.818	1.120	0.750
4.000	5.500	6.000	7.062	9.000	2.500	1.750	0.818	1.120	0.750

3.625" - 4.500" RDS™ seal from -36/30 casting

3.625									
to	6.000	6.500	7.562	9.500	2.500	1.750	0.818	1.120	0.750 *
4.250									
4.375	6.000	6.500	7.562	9.500	2.500	1.750	0.818	1.120	0.750
4.500	6.000	6.500	7.562	9.500	2.500	1.750	0.818	1.120	0.750

RDS[™] — Dimensional Information (mm)

63mm - 65mm RDS™ seal from -21 casting

DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM I	Max Bolt Dia
63.0	95.3	108.0	130.2	165.1	49.3	44.5	20.7	28.4	16.0 *
65.0	95.3	108.0	130.2	165.1	49.3	44.5	20.7	28.4	16.0 *

65mm - 70mm RDS[™] seal from -22 casting

65	108.0	120.7	144.4	196.9	63.5	44.5	20.7	28.4	16.0
70	108.0	120.7	144.4	196.9	63.5	44.5	20.7	28.4	16.0

65mm - 75mm RDS™ seal from -24/21 casting

65	114.3	127.0	150.8	203.2	63.5	44.5	20.7	28.4	16.0 *
70	114.3	127.0	150.8	203.2	63.5	44.5	20.7	28.4	16.0 *
75	114.3	127.0	150.8	203.2	63.5	44.5	20.7	28.4	16.0

65mm - 80mm RDS[™] seal from -26/20 casting

65									
to	120.7	133.4	158.8	209.6	63.5	44.5	20.7	28.4	16.0 *
75									
80	120.7	133.4	158.8	209.6	63.5	44.5	20.7	28.4	16.0

65mm - 85mm RDS™ seal from -28/22 casting

65 to	127.0	139.7	166.7	215.9	63.5	44.5	20.7	28.4	20.0 *
80									
85	127.0	139.7	166.7	215.9	63.5	44.5	20.7	28.4	20.0

75mm - 95mm RDS[™] seal from -30/24 casting

75									
to	133.4	146.1	171.5	222.3	63.5	44.5	20.7	28.4	20.0 *
85									
90	133.4	146.1	171.5	222.3	63.5	44.5	20.7	28.4	20.0
95	133.4	146.1	171.5	222.3	63.5	44.5	20.7	28.4	20.0

80mm - 100mm RDS[™] seal from -32/26 casting

80									
to	139.7	152.4	179.4	228.6	63.5	44.5	20.7	28.4	20.0 *
95									
100	139.7	152.4	179.4	228.6	63.5	44.5	20.7	28.4	20.0

90mm - 110mm RDS[™] seal from -36/30 casting

90									
to	152.4	165.1	192.1	241.3	63.5	44.5	20.7	28.4	20.0 *
105									
110	152.4	165.1	192.1	241.3	63.5	44.5	20.7	28.4	20.0

RDS[™] – Dimensional Information (inches)

1 125" - 5 125" PDSTM soal from -40/34 o

4.125	°″ - 5. 1	125″ F	RDS IM	seal fro	om -40	J/34 Ca	asting			105m	1m - 1	30mm	RDS	seal	from	-40/34	castir	ıg	
DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM I	Max Bolt Dia	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM I	Max Bolt Dia
4.125 to	6.500	7.000	8.062	11.000	2.500	1.750	0.818	1.120	0.750 *	105 to	165.1	177.8	204.8	279.4	63.5	44.5	20.7	28.4	20.0 *
4.730	6.500	7.000	8.062	11.000	2.500	1.750	0.818	1.120	0.750	120	165 1	177 8	204.8	279.4	63.5	44 5	20.7	28.4	20.0
5.000	6.500	7.000	8.062	11.000	2.500	1.750	0.818	1.120	0.750	130	165.1	177.8	204.8	279.4	63.5	44.5	26.0	35.5	20.0
5.125	6.500	7.000	8.062	11.000	2.500	1.750	1.025	1.397	0.750 *	140		DOTM	م م م ا الس		a a a tiu				
5.250	" - 5.5	500" R	DS™	seal fro)m -44	l castir	ng			140m	190.5	203.2	228.6	298.4	80.9	ng 60.3	26.0	35.5	25.0
5.250	7.500	8.000	9.000	11.750	3.187	2.375	1.025	1.397	1.000										
5.500	7.000	0.000	9.000	11.750	3.107	2.375	1.025	1.397	1.000	145m	m - 1	50mm	RDS	™ seal	from ·	-48 ca	sting		
5.750	" - 6.0	000" R	DS™	seal fro	om -48	3 castir	ng			145.0	203.2	215.9	241.3	311.1	80.9	60.3	26.0	35.5	25.0
5.750	8.000	8.500	9.500	12.250	3.187	2.375	1.025	1.397	1.000	150.0	203.2	215.9	241.3	311.1	80.9	60.3	26.0	35.5	25.0
6.000	8.000	8.500	9.500	12.250	3.187	2.375	1.025	1.397	1.000	160m	m - 10	65mm	RDS	™ seal	from ·	-52 ca	sting		
6.250	" - 6.5	500" R	DS™	seal fro	om -52	2 castir	ng			160.0	215.9	228.6	254.0	323.8	80.9	60.3	26.0	35.5	25.0
6.250	8.500	9.000	9.875	12.750	3.187	2.375	1.025	1.397	1.000	165.0	215.9	228.6	254.0	323.8	80.9	60.3	26.0	35.5	25.0
6.500	8.500	9.000	9.875	12.750	3.187	2.375	1.025	1.397	1.000	170m	m - 1	75mm	PDGI	M soal	from	56 00	etina		
6.750	" - 7.0	00" B	DS™	seal fro)m -56	S castir	na			170.0	228.6	241.3	266.7	336.5	87.3	66.7	26.0	35.5	25.0
6 750	9 000	9 500	10.500	13 250	3 437	2 625	1 025	1 397	1 000	170.0	228.6	241.3	266.7	336.5	87.3	66.7	26.0	35.5	25.0
7.000	9.000	9.500	10.500) 13.250	3.437	2.625	1.091	1.647	1.000	190m	um 1(00mm	pnei	Magaal	from	60.00	etina		
7 250	" - 7 5	500" B	MISU	seal fro	m -60) castir	na			10011	im - 1:	90mm	KD2.	" seal	ITOTTI	-00 Ca	sung		
7.050	0.500	10.000			0.407	0.005	ig d ood	1 0 1 7	1 000	180.0	241.3	254.0	279.4	349.2	87.3	66.7	27.7	41.8	25.0
7.250	9.500	10.000	11.000	13.750	3.437	2.625	1.091	1.647	1.000	190.0	241.3	254.0	279.4	349.2	87.3	66.7	27.7	41.8	25.0
1.000	0.000	10.000		10.700	0.407	2.020	1.001	1.047	1.000	200m	m - 2	05mm	RDS	™ seal	from -	-64 ca	sting		
7.750	" - 8.0	000" R	DS™	seal fro	0 -64	castir	ng			200	260.4	275.4	311.2	406.4	93.0	81.0	27.7	41.8	24.0
7.750 8.000	10.250 10.250	11.000	12.250) 16.000) 16.000	3.660	3.187 3.187	1.091 1.091	1.647 1.647	1.000	205	260.4	275.4	311.2	406.4	93.0	81.0	32.7	43.5	24.0
8 250	" <u>- 8 5</u>	500" B	MISU	seal fro	-68	l castir	na			210m	m - 2	15mm	RDS	™ seal	from -	-68 ca	sting		
0.200	10 750	11 500	10 750	16 500	2 660	2 107	1 007	1 711	1 000	210	273.0	292.1	323.9	419.1	93.0	81.0	32.7	43.5	24.0
8.200	10.750	11.500	12.750) 16.500	3.660	3.187	1.287	1.711	1.000	215	273.0	292.1	323.9	419.1	93.0	81.0	32.7	43.5	24.0
8 750	" _ Q (00" B	MISU	soal fro	-72 mc) castir	na			220 m	m - 2	25mm	RDS	™ seal	from -	-72 ca	sting		
9 750	11 250	12 000	12 250	17 000	3 660	2 1 97	1 297	1 711	1 000	220	285.8	304.8	336.6	431.8	93.0	81.0	32.7	43.5	24.0
9.000	11.250	12.000	13.250) 17.000	3.660	3.187	1.287	1.711	1.000	225	285.8	304.8	336.6	431.8	93.0	81.0	32.7	43.5	24.0
9.250	" - 9.5	500" R	DS™	seal fro	om -76) castir	na			230m	m - 24	40mm	RDS	™ seal	from ·	-76 ca	sting		
9 250	11 750	12 500	13 750	17 500	3 660	3 187	1 287	1 711	1 000	230	298.5	317.5	349.3	444.5	93.0	81.0	32.7	43.5	24.0
9.500	11.750	12.500	13.750) 17.500	3.660	3.187	1.287	1.711	1.000	240	298.5	317.5	349.3	444.5	93.0	81.0	32.7	43.5	24.0
9.625	" - 10	.000"	RDS™	∕ seal f	rom -8	30 cast	ing			245m	m - 2	55mm	RDS	™ seal	from ·	-80 ca	sting		
9.625	12.250	13.000	14.250	18.000	3.875	3.187	1.287	1.711	1.000	245	311	330.2	361.9	457.2	98.4	81.0	32.7	43.5	24.0
9.750	12.250	13.000	14.250	18.000	3.875	3.187	1.287	1.711	1.000	250	311	330.2	361.9	457.2	98.4	81.0	32.7	43.5	24.0
10.000	12.250	13.000	14.250	18.000	3.875	3.187	1.287	1.711	1.000	200	011	000.2	001.9	407.2	30.4	01.0	02.1	40.0	24.0
10.25	0" - 1	0.500'	' RDS	™ seal	from -	-84 ca	sting			260m	m - 2	65mm	RDS	™ seal	from ·	-84 ca	sting	10.5	010
10.250	12.750	13.500	14.750	18.500	3.875	3.187	1.287	1.711	1.000	260	323.8	342.9	374.6	469.9	98.4 98.4	81.0 81.0	32.7	43.5	24.0
10.000	12.700	10.000	/ 14.700	10.000	0.070	0.107	1.207	1.7 11	1.000							~~			
10.75	0" - 1	1.000'	' RDS	™ seal	from -	-88 ca	sting			270m	m - 2	355 6	387.3	M Seal	trom ·	-88 ca:	sting 32.7	13.5	24.0
10.750 11.000	13.250	14.000	15.250) 19.000) 19.000	3.875	3.187 3.187	1.287	1.711	1.000	280	336.5	355.6	387.3	482.6	98.4	81.0	32.7	43.5	24.0
11 25	0" - 1 [.]	1 500'	' BDS	TM seal	from -	-92 ca	stina			285m	m - 2	90mm	RDS	™ seal	from ·	-92 ca	stina		
11 250	13 750	14 500	15 750) 19 500	3 875	3 187	1 287	1 711	1 000	285	349.2	368.3	400.0	495.3	98.4	81.0	32.7	43.5	24.0
11.500	13.750	14.500	15.750) 19.500	3.875	3.187	1.287	1.711	1.000	290	349.2	368.3	400.0	495.3	98.4	81.0	32.7	43.5	24.0
11.75	0" - 1	2.000'	' RDS	TM _{Seal}	from -	-96 ca	stina			295m	m - 3	05mm	RDSI	M _{Seal}	from	-96 ca	stina		
11.750	14.250	15.000	16.250	20.000	3.875	3.187	1.287	1.711	1.000	295	361.9	381.0	412.7	508.0	98.4	81.0	32.7	43.5	24.0
12.000	14.250	15.000	16.250	20.000	3.875	3.187	1.287	1.711	1.000	305	361.9	381.0	412.7	508.0	98.4	81.0	32.7	43.5	24.0

RDS[™] — Dimensional Information (mm)

i uon			пD9	seal	II UI II	-40/34	· casilí	iy	
DIM	DIM B	DIM C	DIM D	DIM	DIM F	DIM G	DIM H	DIM	Max Bolt Dia
105		-						-	
to	165.1	177.8	204.8	279.4	63.5	44.5	20.7	28.4	20.0 *
120	165.1	177.8	204.8	279.4	63.5	44.5	20.7	28.4	20.0
130	165.1	177.8	204.8	279.4	63.5	44.5	26.0	35.5	20.0
40m	m - R	DS™ :	seal fro	om -44	casti	ng	00.0	05.5	05.0
40.0	190.5	203.2	228.6	298.4	80.9	60.3	26.0	35.5	25.0
45m	m - 1	50mm	RDS	™ seal	from	-48 ca	sting		
45.0	203.2	215.9	241.3	311.1	80.9	60.3	26.0	35.5	25.0
50.0	203.2	215.9	241.3	311.1	80.9	60.3	26.0	35.5	25.0
60m	m - 16	55mm	RDS	M seal	from	-52 ca	stina		
160.0	215.0	228.6	254.0	323.8	80.0	60.3	26.0	35.5	25.0
165.0	215.9	228.6	254.0	323.8	80.9	60.3	26.0	35.5	25.0
70m	m - 17	75mm	RDS	™ seal	from	-56 ca	sting		
70.0	228.6	241.3	266.7	336.5	87.3	66.7	26.0	35.5	25.0
75.0	228.6	241.3	266.7	336.5	87.3	66.7	26.0	35.5	25.0
80m	m - 19	90mm	RDS	™ seal	from	-60 ca:	sting		
80.0	241.3	254.0	279.4	349.2	87.3	66.7	27.7	41.8	25.0
90.0	241.3	254.0	279.4	349.2	87.3	66.7	27.7	41.8	25.0
20		25	DDOI		6	0.4			
JUM	m - 20		RD5	seal	Irom	-64 Ca	sung	44.0	01.0
200	260.4	275.4	311.2	406.4	93.0	81.0	32.7	41.8	24.0
	200.1	210.1	011.2	100.1	00.0	01.0	02.1	10.0	21.0
10m	m - 21	15mm	RDS	™ seal	from	-68 ca	sting		
210	273.0	292.1	323.9	419.1	93.0	81.0	32.7	43.5	24.0
215	273.0	292.1	323.9	419.1	93.0	81.0	32.7	43.5	24.0
20m	m - 22	25mm	RDS	™ seal	from	-72 ca	sting		
220	285.8	304.8	336.6	431.8	93.0	81.0	32.7	43.5	24.0
225	285.8	304.8	336.6	431.8	93.0	81.0	32.7	43.5	24.0
20m	m 9/	10mm	DDCI		from	76.000	ating		
3011	000.5		040.0	seal		-70 Ca	sung	10.5	01.0
230	298.5	317.5	349.3	444.5	93.0	81.0	32.7	43.5	24.0
240	230.5	017.0	040.0	444.0	30.0	01.0	02.1	40.0	24.0
45m	m - 2	55mm	RDS	™ seal	from	-80 ca	sting		
245	311	330.2	361.9	457.2	98.4	81.0	32.7	43.5	24.0
250	311	330.2	361.9	457.2	98.4	81.0	32.7	43.5	24.0
255	311	330.2	361.9	457.2	98.4	81.0	32.7	43.5	24.0
60m	m - 26	65mm	RDS	™ seal	from	-84 ca	sting		
260	323.8	342.9	374.6	469.9	98.4	81.0	32.7	43.5	24.0
265	323.8	342.9	374.6	469.9	98.4	81.0	32.7	43.5	24.0
70m	m - 28	30mm	RDS	M seal	from	-88 ca	stina		
270	336.5	355.6	387.3	482.6	98.4	81.0	32.7	43.5	24 0
280	336.5	355.6	387.3	482.6	98.4	81.0	32.7	43.5	24.0
05		0	000	M oos'	from	00.00	otion		
005	240.0		400.0	seal	Irom	-92 Ca	sung 20.7	10 F	04.0
285 290	349.2	368.3	400.0	495.3	98.4 98.4	81.0 81.0	32.7	43.5	24.0
	0.012	200.0			55. r	01.0	02.1	.5.0	20
.95m	m - 30)5mm	RDS	™ seal	from	-96 ca	sting		

* signifies glands machined to order, all others are planned inventory items

WARNING - Maximum P.V. rating is 80 bar m/s (230,000 psi ft/min)

Not all sizes inventoried consult AESSEAL® for availability. For details on sizes not shown contact AESSEAL®

RDS™ Hard Face

Encompassing all the features and benefits of the RDS[™] the RDS[™] Hard Face has been specifically designed to seal non-hazardous applications in which Carbon / 316 Chrome Oxide faces are not recommended.

The design is fully interchangeable with the RDS[™] giving the user complete flexibility and reduced inventory.

- Face combinations: Stationary – Carbon / SiC Rotary face – SiC
- Size range 2.500" 5.000" (65mm 125mm)



Not all sizes inventoried consult with AESSEAL® for availability.

For further information and safe operating limits contact our technical specialists at the locations below.



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