

R16

ROD SEAL

Single-Acting

TECHNICAL DETAILS

The Hallite R16 is a single-acting, o-ring energized, low-friction rod seal proven to be ideal in a variety of applications. The seal is made with our high-quality Armorlene® products combined with an elastomer energizer for superior performance. High performance Armorlene® materials, like HLX, provide outstanding wear and extrusion-resistance properties as well as large range of temperature and media compatibility.

Unlike other designs, the R16 can be used in tandem installations to provide optimum sealing in high-speed applications. The R16 is also commonly used as a pressure buffer seal protecting the primary rod seal from high-frequency pressure spikes that might be found in a system. This design also fits standard ISO 7425-2 grooves and is offered in a wide range of metric and inch options.



FEATURES

- Low break-away force
- Design eliminates occurrence of stick-slip
- Design offers excellent dynamic and static sealing properties
- Long wear and high extrusion resistance
- Able to absorb shock loads created from pressure spikes

Part Number Structure

R16MR00500NHLX _

R16	M	R	00500	N	HLX	—
PROFILE DESIGNATION	UNIT OF MEASUREMENT M = Metric E = Inch	APPLICATION Refer to <i>Installation Recommendations</i> and use designator for desired application	ROD DIAMETER Metric = mm X 10 Inch = inches X 1000	ENERGIZER MATERIAL Refer to <i>Energizer Table</i> for desired energizer material	PTFE MATERIAL Refer to <i>Material Table</i> for desired PTFE (face) material	SPECIAL FEATURE Blank = Std profile



OPERATING CONDITIONS

	metric	inch
Maximum Speed	Up to 15.0m/sec	Up to 50.0ft/sec
Temperature Range*	-45 to 200°C	-49 to 392°F
Maximum Dynamic Pressure**	600 bar	8700 psi
Used as Buffer Seal / Pressure Spikes	800 bar	11000 psi

*Dependent upon energizer used (NBR, FKM, etc.). **For pressures above 400 bar (5800 psi), contact Hallite Engineering.

NOTE

Data given are maximum values and can apply depending on specific application. Maximum ratings of temperature, pressure, or operating speeds are dependent on fluid medium, surface, gap value, and other variables such as dynamic or static service. Maximum values are not intended for use together at the same time, e.g. max temperature and max pressure. Please contact your Hallite technical representative for application support.

SURFACE FINISH RECOMMENDATIONS

	metric			inch			RMR*
SURFACE ROUGHNESS	μMRA	μMRZ	μMRT	μINRA	μINRZ	μINRT	
Dynamic Sealing Face Ød₁	0.05 - 0.2	1.3 max	2 max	2 - 8	52 max	78 max	60% - 90%
Static Sealing Face ØD₁	1.6 max	7 max	10 max	63 max	276 max	394 max	
Static Housing Faces L₁	3.2 max	10 max	16 max	125 max	394 max	630 max	

*RMR is measured at a depth of 25% of the Rz value based upon a reference level (zero line) at 5% material/bearing area.

ENERGIZER TABLE

ENERGIZER MATERIAL (SHORE A)	ENERGIZER TYPE	ENERGIZER DESIGNATION	ENERGIZER OPERATING TEMPERATURE°C	ENERGIZER OPERATING TEMPERATURE°F
NBR - 70A	O-Ring	N	-30 to 100°C	-22 to 212°F
NBR - 70A Low temp.	O-Ring	L	-45 to 80°C	-49 to 176°F
FKM - 75A	O-Ring	F	-10 to 200°C	14 to 392°F
EPDM - 70A	O-Ring	E	-45 to 145°C	-49 to 293°F
HNBR - 70A	O-Ring	H	-25 to 150°C	-13 to 302°F
NBR - 90A	O-Ring	Q	-30 to 100°C	-22 to 212°F
HNBR - 90A	O-Ring	U	-25 to 150°C	-13 to 302°F
No Energizer*	None	X	-	-

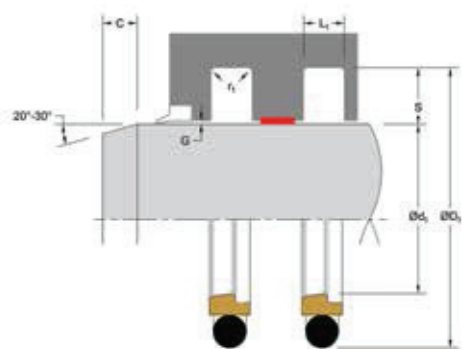
*Seal ratings are based upon capabilities of its matched material components. Hallite cannot rate seal performance when the seal is mixed with other manufacturers' energizers/components.

MATERIALS

MATERIAL FEATURES AND APPLICATIONS	FILLER	MATERIAL DESIGNATOR	COLOR	TEMPERATURE RANGE °C	TEMPERATURE RANGE °F	MAXIMUM DYNAMIC PRESSURE - BAR	MAXIMUM DYNAMIC PRESSURE - PSI
ARMORLENE® HLX <ul style="list-style-type: none"> Standard material for hydraulic applications High compressive strength Excellent extrusion resistance Extended wear resistance 	Special Bronze Compound	HLX	Gold	-73 to 288°C	-100 to 550°F	500 bar	7250 psi
ARMORLENE® 713 <ul style="list-style-type: none"> High compressive strength Excellent extrusion resistance Excellent wear properties 	60% Bronze Content	713	Bronze	-73 to 288°C	-100 to 550°F	600 bar	8700 psi
ARMORLENE® HCF <ul style="list-style-type: none"> Excellent in lubricating and non-lubricating hydraulic fluids (includes water) w/o zinc content Not recommended for gas sealing applications Not recommended for electrical conductive fluids 	Carbon Fiber Filled	HCF	Gray/Black	-73 to 260°C	-100 to 500°F	250 bar	3600 psi
ARMORLENE® HCV <ul style="list-style-type: none"> Recommended for lubricating and non-lubricating fluids Excellent for high-frequency and short-stroke applications Not recommended for gas sealing applications Not recommended for electrical conductive fluids 	High Carbon Fiber Filled	HCV	Gray/Black	-73 to 260°C	-100 to 500°F	300 bar	4350 psi
ARMORLENE® 700 <ul style="list-style-type: none"> Excellent in all hydraulic fluids Recommended for hard mating surfaces only Low friction and no stick-slip 	Unfilled	700	White	-184 to 204°C	-300 to 400°F	200 bar	2900 psi
ARMORLENE® 706 <ul style="list-style-type: none"> Excellent in lubricating and non-lubricating hydraulic fluids Excellent extrusion resistance Good chemical resistance Good dielectrical properties 	15% Glass	706	Off-White	-73 to 260°C	-100 to 500°F	400 bar	5800 psi
ARMORLENE® 702 <ul style="list-style-type: none"> Excellent in lubricating and non-lubricating hydraulic fluids Good low-friction properties Excellent extrusion resistance Good chemical resistance 	Glass Molybdenum Disulfide	702	Gray	-73 to 260°C	-100 to 500°F	400 bar	5800 psi
ARMORLENE® 711 <ul style="list-style-type: none"> Excellent in all lubricating fluids and pneumatic applications High chemical resistance Excellent extrusion resistance Excellent wear properties 	25% Carbon/Graphite	711	Black	-73 to 288°C	-100 to 550°F	400 bar	5800 psi
ARMORLENE® HLA <ul style="list-style-type: none"> Excellent in all hydraulic fluids Excellent wear resistance Excellent low-friction properties Good extrusion resistance 	Special Mineral Compound	HLA	Gray	-73 to 260°C	-100 to 500°F	500 bar	7250 psi
ARMORLENE® 782 <ul style="list-style-type: none"> Good abrasion resistance Recommended for lubricating and non-lubricating fluids Recommended for high frequency and short-stroke applications Not recommended for electrical and conductive fluids 	Modified Carbon Fiber Filled	782	Black	-73 to 260°C	-100 to 500°F	300 bar	4350 psi
748 - UHMWPE <ul style="list-style-type: none"> Excellent impact resistance Good dielectrical properties Excellent abrasion resistance Low coefficient of friction 	Standard	748	Translucent	-184 to 82°C	-300 to 180°F	350 bar	5000 psi

For other material options consult the Master Materials Index at the front of the catalog. If you do not find the material that you require, please contact your local Hallite sales office.





Applications with maximum radial clearance that are using nylon, phenolic, or PTFE bearings must ensure proper clearance in accordance with the bearing recommendations to avoid metal-to-metal contact. Please refer to Hallite Type 87, Type 506, and Type 533 Specification Sheets for this information.

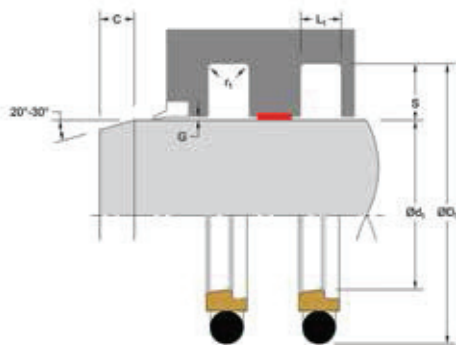
INSTALLATION RECOMMENDATIONS

metric

ROD DIAMETER Ød ₁ f8/h9			GROOVE DIAMETER	GROOVE WIDTH	RADIUS	CHAMFER	GROOVE SECTION	RADIAL CLEARANCE G MAX*			O-RING CROSS SECTION
DIAMETER RANGE			ØD ₁ H9	L ₁ + 0.2	R ₁	C	S	Up to 100 bar	Up to 200 bar	Up to 400 bar	O-Ring
Standard Duty Application - R	Light Duty Application - L	Heavy Duty Application - H									
3.0 - 7.9	8.0 - 18.9	-	d ₁ + 4.9	2.2	0.4	2.0	2.45	0.30	0.20	0.15	1.78
8.0 - 18.9	19.0 - 37.9	-	d ₁ + 7.5	3.2	0.6	3.0	3.75	0.40	0.25	0.15	2.62
19.0 - 37.9	38.0 - 199.9	8.0 - 18.9	d ₁ + 11.0	4.2	1.0	4.0	5.50	0.50	0.30	0.20	3.53
38.0 - 199.9	200.0 - 255.9	19.0 - 37.9	d ₁ + 15.5	6.3	1.3	6.0	7.75	0.70	0.40	0.25	5.33
200.0 - 255.9	256.0 - 649.9	38.0 - 199.9	d ₁ + 21.0	8.1	1.8	8.0	10.50	0.80	0.60	0.35	7.00
256.0 - 649.9	650.0 - 1000.0	200.0 - 255.9	d ₁ + 24.5	8.1	2.5	9.0	12.25	0.90	0.70	0.40	6.99
650.0 - 1000.0	-	256.0 - 649.9	d ₁ + 28.0	9.5	3.0	10.0	14.00	1.00	0.80	0.50	6.99
> 1000.0	-	650.0 - 1000.0	d ₁ + 38.0	13.8	3.0	10.0	19.00	1.20	0.90	0.60	12.00

At pressure >400 bar use diameter tolerance f8/H8.

*Radial Clearance G max. = maximum permissible gap all on one side using min. rod diameter and max. clearance diameter.



R16

ROD SEAL

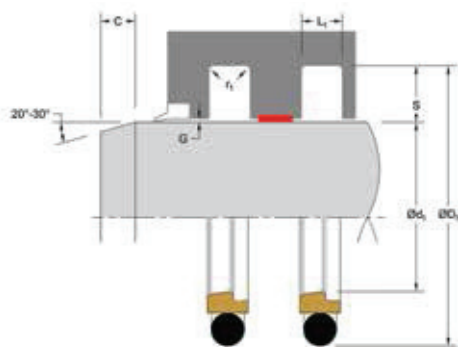
Single-Acting

PART NUMBER RANGE (METRIC)*

metric			PART NUMBER			Ød ₁	ØD ₁	L ₁
Ød ₁	ØD ₁	L ₁						
Tol. f8/h9	Tol. H9	Tol. +0.2				Tol. f8/h9	Tol. H9	Tol. +0.2
8.0	15.5	3.2	R16MR00080****	Also Fits	8.0	15.3	3.2	
8.0	12.9	2.2	R16ML00080****	Also Fits	-	-	-	
10.0	17.5	3.2	R16MR00100****	Also Fits	10.0	17.3	3.2	
10.0	14.9	2.2	R16ML00100****	Also Fits	-	-	-	
12.0	19.5	3.2	R16MR00120****	Also Fits	12.0	19.3	3.2	
12.0	16.9	2.2	R16ML00120****	Also Fits	-	-	-	
14.0	21.5	3.2	R16MR00140****	Also Fits	14.0	21.3	3.2	
14.0	18.9	2.2	R16ML00140****	Also Fits	-	-	-	
15.0	22.5	3.2	R16MR00150****	Also Fits	15.0	22.3	3.2	
15.0	19.9	2.2	R16ML00150****	Also Fits	-	-	-	
16.0	23.5	3.2	R16MR00160****	Also Fits	16.0	23.3	3.2	
16.0	20.9	2.2	R16ML00160****	Also Fits	-	-	-	
18.0	25.5	3.2	R16MR00180****	Also Fits	18.0	25.3	3.2	
18.0	22.9	2.2	R16ML00180****	Also Fits	-	-	-	
20.0	31.0	4.2	R16MR00200****	Also Fits	20.0	30.7	4.2	
20.0	27.5	3.2	R16ML00200****	Also Fits	20.0	27.3	3.2	
22.0	33.0	4.2	R16MR00220****	Also Fits	22.0	32.7	4.2	
22.0	29.5	3.2	R16ML00220****	Also Fits	22.0	29.3	3.2	
25.0	36.0	4.2	R16MR00250****	Also Fits	25.0	35.7	4.2	
25.0	32.5	3.2	R16ML00250****	Also Fits	25.0	32.3	3.2	
28.0	39.0	4.2	R16MR00280****	Also Fits	28.0	38.7	4.2	
28.0	35.5	3.2	R16ML00280****	Also Fits	28.0	35.3	3.2	
30.0	41.0	4.2	R16MR00300****	Also Fits	30.0	40.7	4.2	
30.0	37.5	3.2	R16ML00300****	Also Fits	30.0	37.3	3.2	
32.0	43.0	4.2	R16MR00320****	Also Fits	32.0	42.7	4.2	
32.0	39.5	3.2	R16ML00320****	Also Fits	32.0	39.3	3.2	
35.0	46.0	4.2	R16MR00350****	Also Fits	35.0	45.7	4.2	
35.0	42.5	3.2	R16ML00350****	Also Fits	35.0	42.3	3.2	

metric			PART NUMBER			Ød ₁	ØD ₁	L ₁
Ød ₁	ØD ₁	L ₁						
Tol. f8/h9	Tol. H9	Tol. +0.2				Tol. f8/h9	Tol. H9	Tol. +0.2
36.0	47.0	4.2	R16MR00360****	Also Fits	36.0	46.7	4.2	
36.0	43.5	3.2	R16ML00360****	Also Fits	36.0	43.3	3.2	
40.0	55.5	6.3	R16MR00400****	Also Fits	40.0	55.1	6.3	
40.0	51.0	4.2	R16ML00400****	Also Fits	40.0	50.7	4.2	
43.0	58.5	6.3	R16MR00430****	Also Fits	43.0	58.1	6.3	
42.0	53.0	4.2	R16ML00420****	Also Fits	42.0	52.7	4.2	
45.0	60.5	6.3	R16MR00450****	Also Fits	45.0	60.1	6.3	
45.0	56.0	4.2	R16ML00450****	Also Fits	45.0	55.7	4.2	
50.0	65.5	6.3	R16MR00500****	Also Fits	50.0	65.1	6.3	
50.0	61.0	4.2	R16ML00500****	Also Fits	50.0	60.7	4.2	
55.0	70.5	6.3	R16MR00550****	Also Fits	55.0	70.1	6.3	
55.0	66.0	4.2	R16ML00550****	Also Fits	55.0	65.7	4.2	
56.0	71.5	6.3	R16MR00560****	Also Fits	56.0	71.1	6.3	
56.0	67.0	4.2	R16ML00560****	Also Fits	56.0	66.7	4.2	
56.0	77.0	8.1	R16MH00560****	Also Fits	56.0	76.5	8.1	
60.0	75.5	6.3	R16MR00600****	Also Fits	60.0	75.1	6.3	
60.0	71.0	4.2	R16ML00600****	Also Fits	60.0	70.7	4.2	
60.0	81.0	8.1	R16MH00600****	Also Fits	60.0	80.5	8.1	
63.0	78.5	6.3	R16MR00630****	Also Fits	63.0	78.1	6.3	
63.0	74.0	4.2	R16ML00630****	Also Fits	63.0	73.7	4.2	
63.0	84.0	8.1	R16MH00630****	Also Fits	63.0	83.5	8.1	
65.0	80.5	6.3	R16MR00650****	Also Fits	65.0	80.1	6.3	
65.0	76.0	4.2	R16ML00650****	Also Fits	65.0	75.7	4.2	
65.0	86.0	8.1	R16MH00650****	Also Fits	65.0	85.5	8.1	
70.0	85.5	6.3	R16MR00700****	Also Fits	70.0	85.1	6.3	
70.0	81.0	4.2	R16ML00700****	Also Fits	70.0	80.7	4.2	
70.0	91.0	8.1	R16MH00700****	Also Fits	70.0	90.5	8.1	
75.0	90.5	6.3	R16MR00750****	Also Fits	75.0	90.1	6.3	

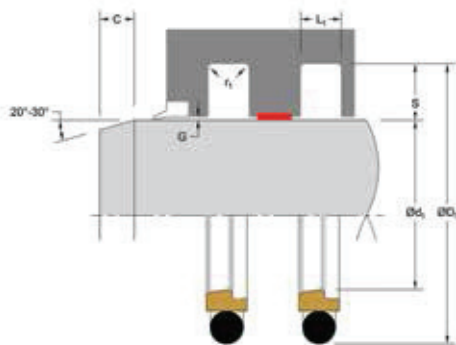




PART NUMBER RANGE (METRIC)*

metric			PART NUMBER				
Ød ₁	ØD ₁	L ₁			Ød ₁	ØD ₁	L ₁
Tol. f8/h9	Tol. H9	Tol. +0.2			Tol. f8/h9	Tol. H9	Tol. +0.2
75.0	96.0	8.1	R16MH00750****	Also Fits	75.0	95.5	8.1
78.0	93.5	6.3	R16MR00780****	Also Fits	78.0	93.1	6.3
78.0	99.0	8.1	R16MH00780****	Also Fits	78.0	98.5	8.1
80.0	95.5	6.3	R16MR00800****	Also Fits	80.0	95.1	6.3
80.0	101.0	8.1	R16MH00800****	Also Fits	80.0	100.5	8.1
85.0	100.5	6.3	R16MR00850****	Also Fits	85.0	100.1	6.3
85.0	106.0	8.1	R16MH00850****	Also Fits	85.0	105.5	8.1
90.0	105.5	6.3	R16MR00900****	Also Fits	90.0	105.1	6.3
90.0	111.0	8.1	R16MH00900****	Also Fits	90.0	110.5	8.1
95.0	110.5	6.3	R16MR00950****	Also Fits	95.0	110.1	6.3
95.0	116.0	8.1	R16MH00950****	Also Fits	95.0	115.5	8.1
97.0	112.5	6.3	R16MR00970****	Also Fits	97.0	112.1	6.3
97.0	118.0	8.1	R16MH00970****	Also Fits	97.0	117.5	8.1
100.0	115.5	6.3	R16MR01000****	Also Fits	100.0	115.1	6.3
100.0	121.0	8.1	R16MH01000****	Also Fits	100.0	120.5	8.1
105.0	120.5	6.3	R16MR01050****	Also Fits	105.0	120.1	6.3
105.0	126.0	8.1	R16MH01050****	Also Fits	105.0	125.5	8.1
110.0	125.5	6.3	R16MR01100****	Also Fits	110.0	125.1	6.3
110.0	131.0	8.1	R16MH01100****	Also Fits	110.0	130.5	8.1
115.0	130.5	6.3	R16MR01150****	Also Fits	115.0	130.1	6.3
115.0	136.0	8.1	R16MH01150****	Also Fits	115.0	135.5	8.1
120.0	135.5	6.3	R16MR01200****	Also Fits	120.0	135.1	6.3
120.0	141.0	8.1	R16MH01200****	Also Fits	120.0	140.5	8.1
125.0	140.5	6.3	R16MR01250****	Also Fits	125.0	140.1	6.3
125.0	146.0	8.1	R16MH01250****	Also Fits	125.0	145.5	8.1
130.0	145.5	6.3	R16MR01300****	Also Fits	130.0	145.1	6.3
130.0	151.0	8.1	R16MH01300****	Also Fits	130.0	150.5	8.1
135.0	150.5	6.3	R16MR01350****	Also Fits	135.0	150.1	6.3

metric			PART NUMBER				
Ød ₁	ØD ₁	L ₁			Ød ₁	ØD ₁	L ₁
Tol. f8/h9	Tol. H9	Tol. +0.2			Tol. f8/h9	Tol. H9	Tol. +0.2
135.0	156.0	8.1	R16MH01350****	Also Fits	135.0	155.5	8.1
140.0	155.5	6.3	R16MR01400****	Also Fits	140.0	155.1	6.3
140.0	161.0	8.1	R16MH01400****	Also Fits	140.0	160.5	8.1
145.0	160.5	6.3	R16MR01450****	Also Fits	145.0	160.1	6.3
145.0	166.0	8.1	R16MH01450****	Also Fits	145.0	165.5	8.1
150.0	165.5	6.3	R16MR01500****	Also Fits	150.0	165.1	6.3
150.0	171.0	8.1	R16MH01500****	Also Fits	150.0	170.5	8.1
155.0	170.5	6.3	R16MR01550****	Also Fits	155.0	170.1	6.3
155.0	176.0	8.1	R16MH01550****	Also Fits	155.0	175.5	8.1
160.0	175.5	6.3	R16MR01600****	Also Fits	160.0	175.1	6.3
160.0	181.0	8.1	R16MH01600****	Also Fits	160.0	180.5	8.1
170.0	185.5	6.3	R16MR01700****	Also Fits	170.0	185.1	6.3
170.0	191.0	8.1	R16MH01700****	Also Fits	170.0	190.5	8.1
180.0	195.5	6.3	R16MR01800****	Also Fits	180.0	195.1	6.3
180.0	201.0	8.1	R16MH01800****	Also Fits	180.0	200.5	8.1
190.0	205.5	6.3	R16MR01900****	Also Fits	190.0	205.1	6.3
190.0	211.0	8.1	R16MH01900****	Also Fits	190.0	210.5	8.1
200.0	215.5	6.3	R16ML02000****	Also Fits	200.0	215.1	6.3
200.0	221.0	8.1	R16MR02000****	Also Fits	200.0	220.5	8.1
200.0	224.5	8.1	R16MH02000****	Also Fits	200.0	224.0	8.1
210.0	231.0	8.1	R16MR02100****	Also Fits	210.0	230.5	8.1
210.0	234.5	8.1	R16MH02100****	Also Fits	210.0	234.0	8.1
220.0	241.0	8.1	R16MR02200****	Also Fits	220.0	240.5	8.1
220.0	244.5	8.1	R16MH02200****	Also Fits	220.0	244.0	8.1
225.0	246.0	8.1	R16MR02250****	Also Fits	225.0	245.5	8.1
225.0	249.5	8.1	R16MH02250****	Also Fits	225.0	249.0	8.1
240.0	261.0	8.1	R16MR02400****	Also Fits	240.0	260.5	8.1
240.0	264.5	8.1	R16MH02400****	Also Fits	240.0	264.0	8.1



R16

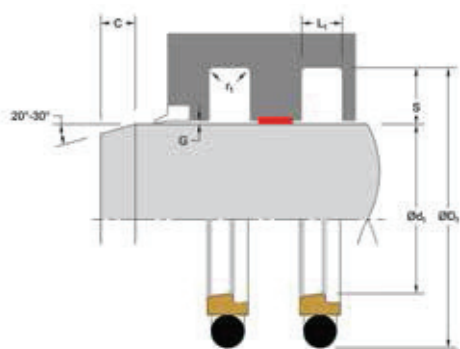
ROD SEAL
Single-Acting

PART NUMBER RANGE (METRIC)*

metric			PART NUMBER				
Ød ₁	ØD ₁	L ₁			Ød ₁	ØD ₁	L ₁
Tol. f8/h9	Tol. H9	Tol. +0.2			Tol. f8/h9	Tol. H9	Tol. +0.2
250.0	271.0	8.1	R16MR02500****	Also Fits	250.0	270.5	8.1
250.0	274.5	8.1	R16MH02500****	Also Fits	250.0	274.0	8.1
260.0	284.5	8.1	R16MR02600****	Also Fits	260.0	284.0	8.1
260.0	288.0	9.5	R16MH02600****	Also Fits	260.0	287.3	9.5
270.0	294.5	8.1	R16MR02700****	Also Fits	270.0	294.0	8.1
270.0	298.0	9.5	R16MH02700****	Also Fits	270.0	297.3	9.5
280.0	304.5	8.1	R16MR02800****	Also Fits	280.0	304.0	8.1
280.0	308.0	9.5	R16MH02800****	Also Fits	280.0	307.3	9.5
290.0	314.5	8.1	R16MR02900****	Also Fits	290.0	314.0	8.1
290.0	318.0	9.5	R16MH02900****	Also Fits	290.0	317.3	9.5
300.0	324.5	8.1	R16MR03000****	Also Fits	300.0	324.0	8.1
300.0	328.0	9.5	R16MH03000****	Also Fits	300.0	327.3	9.5
320.0	344.5	8.1	R16MR03200****	Also Fits	320.0	344.0	8.1
320.0	348.0	9.5	R16MH03200****	Also Fits	320.0	347.3	9.5
330.0	354.5	8.1	R16MR03300****	Also Fits	330.0	354.0	8.1
330.0	358.0	9.5	R16MH03300****	Also Fits	330.0	357.3	9.5
340.0	364.5	8.1	R16MR03400****	Also Fits	340.0	364.0	8.1
340.0	368.0	9.5	R16MH03400****	Also Fits	340.0	367.3	9.5
350.0	374.5	8.1	R16MR03500****	Also Fits	350.0	374.0	8.1
350.0	378.0	9.5	R16MH03500****	Also Fits	350.0	377.3	9.5
360.0	384.5	8.1	R16MR03600****	Also Fits	360.0	384.0	8.1
360.0	388.0	9.5	R16MH03600****	Also Fits	360.0	387.3	9.5
370.0	394.5	8.1	R16MR03700****	Also Fits	370.0	394.0	8.1
370.0	398.0	9.5	R16MH03700****	Also Fits	370.0	397.3	9.5
380.0	404.5	8.1	R16MR03800****	Also Fits	380.0	404.0	8.1
380.0	408.0	9.5	R16MH03800****	Also Fits	380.0	407.3	9.5
390.0	414.5	8.1	R16MR03900****	Also Fits	390.0	414.0	8.1
390.0	418.0	9.5	R16MH03900****	Also Fits	390.0	417.3	9.5

metric			PART NUMBER				
Ød ₁	ØD ₁	L ₁			Ød ₁	ØD ₁	L ₁
Tol. f8/h9	Tol. H9	Tol. +0.2			Tol. f8/h9	Tol. H9	Tol. +0.2
400.0	424.5	8.1	R16MR04000****	Also Fits	400.0	424.0	8.1
400.0	428.0	9.5	R16MH04000****	Also Fits	400.0	427.3	9.5
410.0	434.5	8.1	R16MR04100****	Also Fits	410.0	437.3	9.5
410.0	438.0	9.5	R16MH04100****	Also Fits	410.0	437.3	9.5
420.0	444.5	8.1	R16MR04200****	Also Fits	420.0	444.0	8.1
420.0	448.0	9.5	R16MH04200****	Also Fits	420.0	447.3	9.5
450.0	474.5	8.1	R16MR04500****	Also Fits	450.0	474.0	8.1
450.0	478.0	9.5	R16MH04500****	Also Fits	450.0	477.3	9.5
460.0	484.5	8.1	R16MR04600****	Also Fits	460.0	484.0	8.1
460.0	488.0	9.5	R16MH04600****	Also Fits	460.0	487.3	9.5
480.0	504.5	8.1	R16MR04800****	Also Fits	480.0	504.0	8.1
480.0	508.0	9.5	R16MH04800****	Also Fits	480.0	507.3	9.5
500.0	524.5	8.1	R16MR05000****	Also Fits	500.0	524.0	8.1
500.0	528.0	9.5	R16MH05000****	Also Fits	500.0	527.3	9.5
520.0	544.5	8.1	R16MR05200****	Also Fits	520.0	544.0	8.1
520.0	548.0	9.5	R16MH05200****	Also Fits	520.0	547.3	9.5
550.0	574.5	8.1	R16MR05500****	Also Fits	550.0	574.0	8.1
550.0	578.0	9.5	R16MH05500****	Also Fits	550.0	577.3	9.5
560.0	584.5	8.1	R16MR05600****	Also Fits	560.0	584.0	8.1
560.0	588.0	9.5	R16MH05600****	Also Fits	560.0	587.3	9.5
590.0	614.5	8.1	R16MR05900****	Also Fits	590.0	614.0	8.1
590.0	618.0	9.5	R16MH05900****	Also Fits	590.0	617.3	9.5
600.0	624.5	8.1	R16MR06000****	Also Fits	600.0	624.0	8.1
600.0	628.0	9.5	R16MH06000****	Also Fits	600.0	627.3	9.5
625.0	649.5	8.1	R16MR06250****	Also Fits	625.0	649.0	8.1
625.0	653.0	9.5	R16MH06250****	Also Fits	625.0	652.3	9.5
650.0	678.0	9.5	R16MR06500****	Also Fits	650.0	677.3	9.5
700.0	728.0	9.5	R16MR07000****	Also Fits	700.0	727.3	9.5





PART NUMBER RANGE (METRIC)*

metric			PART NUMBER			PART NUMBER		
Ød ₁	ØD ₁	L ₁						
Tol. f8/h9	Tol. H9	Tol. +0.2						
750.0	778.0	9.5	R16MR07500****	Also Fits	750.0	777.3	9.5	
800.0	828.0	9.5	R16MR08000****	Also Fits	800.0	827.3	9.5	
850.0	878.0	9.5	R16MR08500****	Also Fits	850.0	877.3	9.5	
900.0	928.0	9.5	R16MR09000****	Also Fits	900.0	927.3	9.5	
950.0	978.0	9.5	R16MR09500****	Also Fits	950.0	977.3	9.5	
1000.0	1038.0	13.8	R16MR10000****	Also Fits	-	-	-	
1050.0	1088.0	13.8	R16MR10500****	Also Fits	-	-	-	

metric			PART NUMBER			PART NUMBER		
Ød ₁	ØD ₁	L ₁						
Tol. f8/h9	Tol. H9	Tol. +0.2						
1100.0	1138.0	13.8	R16MR11000****	Also Fits	-	-	-	
1150.0	1188.0	13.8	R16MR11500****	Also Fits	-	-	-	
1200.0	1238.0	13.8	R16MR12000****	Also Fits	-	-	-	
1250.0	1288.0	13.8	R16MR12500****	Also Fits	-	-	-	
1300.0	1338.0	13.8	R16MR13000****	Also Fits	-	-	-	
1350.0	1388.0	13.8	R16MR13500****	Also Fits	-	-	-	

*Please contact Hallite for custom sizes, material selection, or seal design.