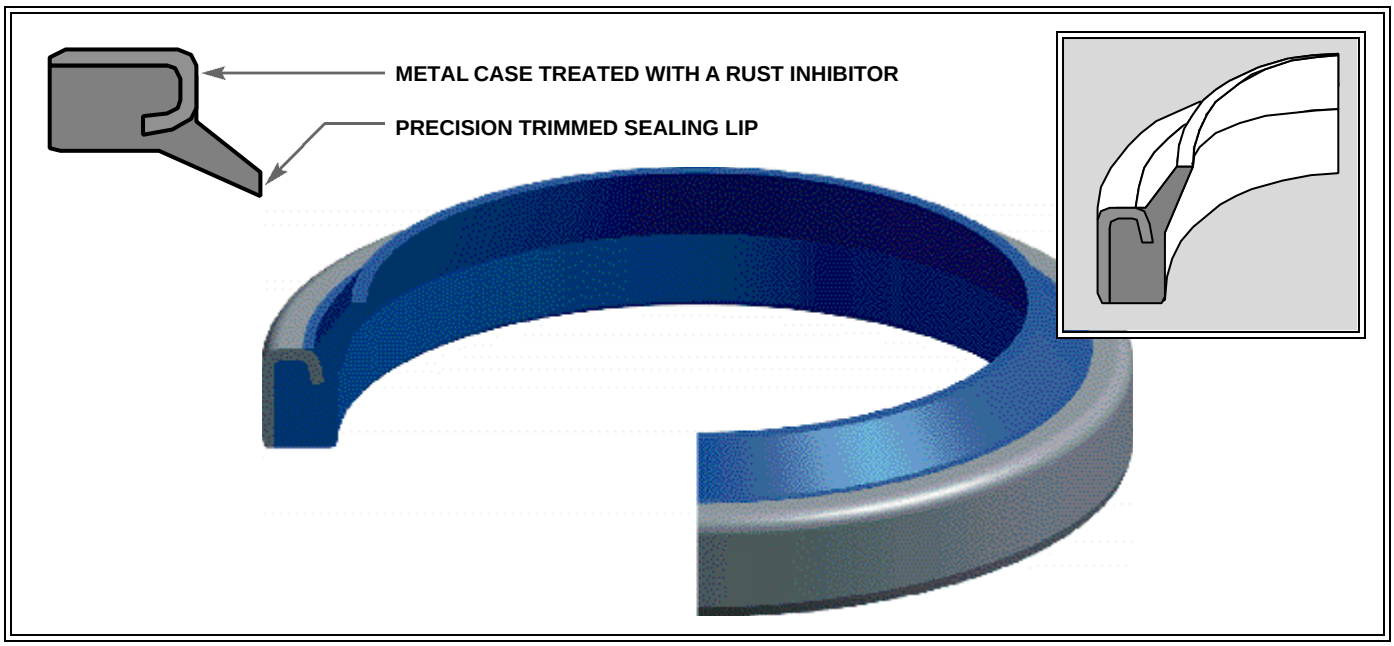
Wiper Seals

Hallite 860



FEATURES

- EASE OF ASSEMBLY
- LONG LIFE
- PRECISION TRIMMED WIPING LIP
- METAL CASE TREATED WITH A RUST INHIBITOR
- WIDE RANGE OF APPLICATION USES
- RANGE INCLUDES ISO & JAPANESE STANDARD HOUSINGS.

NB: Part numbers suffixed by "†" are also interchangeable with Japanese housings.

Part numbers suffixed by "‡" indicate housing sizes to meet ISO6195 type B.

MEDIA

Seals are suitable for mineral based hydraulic fluid.

All our activities conform to the highest quality assurance systems. Hallite Seals International quality management systems are accredited to ISO 9001 and are approved by many of the world's foremost OEM's.

OPERATING CONDITIONS

TEMPERATURE RANGE					
-30°C + 80°C				-22°F +176°F	
SURFACE ROUGHNESS					
		µmRa	µmRt	µin CLA	RMS
DYNAMIC SEALING FACE	$Ød_1$	0.1 to 0.4	4 max	4 to 16	5 to 18
STATIC SEALING FACE	$ØD_1$	1.6 max	10 max	63 max	70 max
STATIC HOUSING FACES	L_1	3.2 max	16 max	125 max	140 max
CHAMFERS & RADII mm					
ROD DIAMETER	$Ød_1$	up to 19mm	above 19mm		
MIN CHAMFER	C	0.5	1.0		
MAX FILLET RAD	r_1	0.4	0.4		
CHAMFERS & RADII in					
MIN CHAMFER1	C	0.040			
MAX FILLET RAD	r_1	0.016			

DESIGN

The Hallite type 860 is a metal cased wiper, designed to press-fit into open groove housings. The type 860 comprises a precisely trimmed polyurethane wiping element which is securely bonded to a metal case treated with a rust inhibitor. Capable of operating in dirty conditions, the proportions of the polyurethane wiping lip allow it to follow the side movement of the rod and to clear away heavily deposited dirt.

Suitable for light, medium and heavy duty applications, the wiper has been designed to provide ease of installation and offers excellent durability in service. The type 860 offers a wide range, including sizes suitable for ISO 6195 type B housings and a range for standard Japanese housings.

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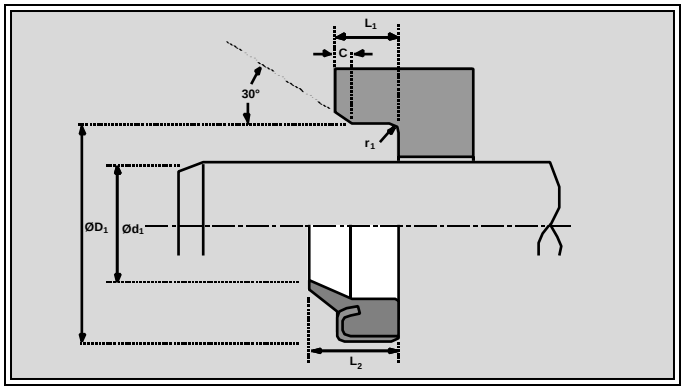
metric

ROD DIA $Ød_1$	TOL f9	HOUSING DIA $ØD_1$	TOL H8	HOUSING LENGTH L_1 TOL+0.5 - 0	OVERALL LENGTH L_2	PART NUMBER
15	-0.016 -0.059	25	+0.033 +0.000	5.0	7.0	6950000
16	-0.016 -0.059	22	+0.033 +0.000	3.0	4.0	6950010
18	-0.016 -0.059	28	+0.033 +0.000	5.0	7.0	6950020
20	-0.020 -0.072	30	+0.033 +0.000	5.0	8.0	6950030
25	-0.020 -0.072	35	+0.039 +0.000	5.0	8.0	6950040
25	-0.020 -0.072	37	+0.039 +0.000	6.0	9.0	6950050†
28	-0.020 -0.072	38	+0.039 +0.000	5.0	8.0	6950060
30	-0.020 -0.072	40	+0.039 +0.000	5.0	8.0	6950070
30	-0.020 -0.072	42	+0.039 +0.000	6.0	9.0	6950080†
32	-0.025 -0.087	42	+0.039 +0.000	5.0	8.0	6950090
35	-0.025 -0.087	45	+0.039 +0.000	7.0	10.0	6950100
35	-0.025 -0.087	47	+0.039 +0.000	7.0	10.0	6950110†
40	-0.025 -0.087	50	+0.039 +0.000	7.0	10.0	6950120‡
40	-0.025 -0.087	52	+0.046 +0.000	7.0	10.0	6950130†
45	-0.025 -0.087	55	+0.046 +0.000	7.0	10.0	6950140‡
45	-0.025 -0.087	57	+0.046 +0.000	7.0	10.0	6950150†
50	-0.025 -0.087	60	+0.046 +0.000	7.0	10.0	6950160‡
50	-0.025 -0.087	62	+0.046 +0.000	7.0	10.0	6950170†
55	-0.030 -0.104	65	+0.046 +0.000	7.0	10.0	6950180
55	-0.030 -0.104	69	+0.046 +0.000	8.0	11.0	6950190†
60	-0.030 -0.104	70	+0.046 +0.000	7.0	10.0	6950200
60	-0.030 -0.104	74	+0.046 +0.000	8.0	11.0	6950210†
65	-0.030 -0.104	75	+0.046 +0.000	7.0	10.0	6950220
65	-0.030 -0.104	79	+0.046 +0.000	8.0	11.0	6950230†
70	-0.030 -0.104	80	+0.046 +0.000	7.0	10.0	6950240‡
70	-0.030 -0.104	84	+0.054 +0.000	8.0	11.0	6950250†
75	-0.030 -0.104	85	+0.054 +0.000	7.0	10.0	6950260



ROD DIA $Ød_1$	TOL f9	HOUSING DIA $ØD_1$	TOL H8	HOUSING LENGTH L_1 TOL+0.5 - 0	OVERALL LENGTH L_2	PART NUMBER
75	-0.030 -0.104	89	+0.054 +0.000	8.0	11.0	6950270†
80	-0.030 -0.104	90	+0.054 +0.000	7.0	10.0	6950280‡
80	-0.030 -0.104	94	+0.054 +0.000	8.0	11.0	6950290†
85	-0.036 -0.123	95	+0.054 +0.000	7.0	10.0	6950300
85	-0.036 -0.123	99	+0.054 +0.000	8.0	11.0	6950310†
90	-0.036 -0.123	100	+0.054 +0.000	7.0	10.0	6950320‡
90	-0.036 -0.123	104	+0.054 +0.000	8.0	11.0	6950330†
95	-0.036 -0.123	109	+0.054 +0.000	8.0	11.0	6950340†
100	-0.036 -0.123	110	+0.054 +0.000	7.0	10.0	6950350
100	-0.036 -0.123	114	+0.054 +0.000	8.0	11.0	6950360†
105	-0.036 -0.123	121	+0.063 +0.000	9.0	12.0	6950370†
110	-0.036 -0.123	120	+0.054 +0.000	7.0	10.0	6950380
110	-0.036 -0.123	126	+0.063 +0.000	9.0	12.0	6950390†
115	-0.036 -0.123	131	+0.063 +0.000	9.0	12.0	6950400†
120	-0.036 -0.123	130	+0.063 +0.000	7.0	10.0	6950410
120	-0.036 -0.123	136	+0.063 +0.000	9.0	12.0	6950420†
130	-0.043 -0.143	146	+0.063 +0.000	9.0	12.0	6950430†
140	-0.043 -0.143	160	+0.063 +0.000	10.0	14.0	6950440†
150	-0.043 -0.143	170	+0.063 +0.000	10.0	14.0	6950450†
160	-0.043 -0.143	180	+0.063 +0.000	10.0	14.0	6950460†