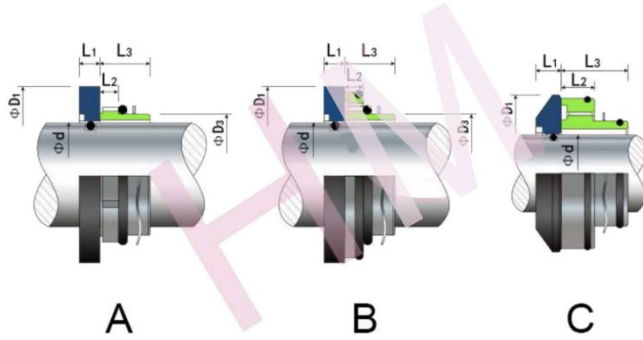


HMWKS-09(87/88)



Type: Waukesha Universal Serie Pumps Seals
 Replacement: Vulcan 87,88
 Temperature: -20 to +180°C
 Pressure : ≤1.4Mpa
 Speed : ≤10m/s
 Material : B,Q2,U2,P,E,N,V,F,G,Alfa

Type 87 table for the Universal I- Series of Pumps

d (mm)	D1	D3	L1	L2	L3	OEM Seal Code	Face Profile
28.6	63.9	37.5	8.0	10.5	19.1	U6, U14, U15, U18, U24	Slope
38.1	80.5	43.8	8.5	11.5	17.0	U30, U34	Slope
47.6	94.2	56.6	13.8	13.5	32.5	U60, U64, U130, U134	flat
69.8	114.5	79.0	13.8	13.5	32.5	U220, U224	flat
d (inch)	D1	D3	L1	L2	L2	OEM Seal Code	Face Profile
1.125	2.516	1.476	0.315	0.413	0.752	U6, U14, U15, U18, U24	Slope
1.500	3.169	1.724	0.335	0.453	0.669	U30, U34	Slope
1.875	3.709	2.228	0.543	0.531	1.280	U60, U64, U130, U134	flat
2.750	4.508	3.110	0.543	0.531	1.280	U220, U224	flat

Type 88 table for the Universal II- Series of Pumps

d (mm)	D1	D3	L1	L2	L3	OEM Seal Code	Face Profile
31.7	63.5	39.2	10.3	11.6	10.6	006U2, 015U2, 018U2	Slope
41.2	80.1	50	10.3	9.0	18.3	030U2	Slope
50.8	98.4	63.2	13.8	12.0	25.4	045U2, 060U2, 130U2	flat
69.8	116.0	112.8	13.8	12.0	25.4	180U2, 220U2	flat
d(inch)	D1	D3	L1	L2	L2	OEM Seal Code	Face Profile
1.250	2.500	1.543	0.406	0.457	0.417	006U2, 015U2, 018U2	Slope
1.625	3.154	1.969	0.406	0.354	0.72	030U2	Slope
2.000	3.874	2.488	0.543	0.472	1.000	045U2, 060U2, 130U2	flat
2.750	4.567	4.440	0.543	0.472	1.000	180U2, 220U2	flat