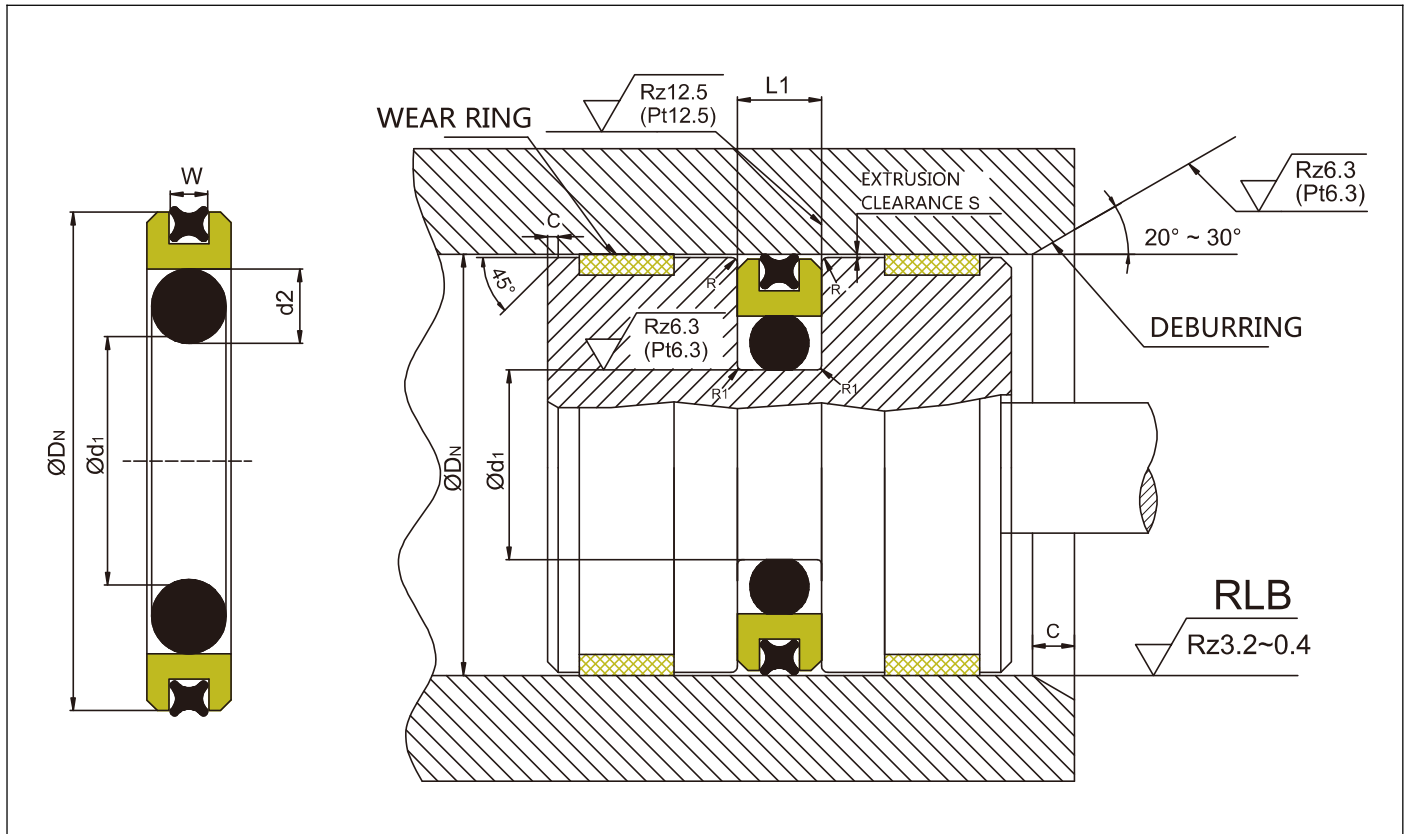




DAQ

1. Installation Recommendation



2. Installation Sizes

Bore Diameter D _N H9		Groove Diameter	Groove Width	Radius	Radial Clearance S max.			O-Ring Cross Section	X-Ring Seal Cross Section
Standard Application	Light Application	d ₁ h9	L ₁ +0.2	R ₁	10MPa	20MPa	30MPa	d ₂	W
15 - 39.9	40 - 79.9	D _N - 11.0	4.2	1.0	0.25	0.15	0.10	3.53	1.78
40 - 79.9	80 - 132.9	D _N - 15.5	6.3	1.3	0.3	0.20	0.15	5.33	1.78
80 - 132.9	133 - 252.9	D _N - 21.0	8.1	1.8	0.3	0.20	0.15	7.00	2.62
133 - 252.9	—	D _N - 24.5	8.1	1.8	0.3	0.20	0.15	7.00	2.62
253 - 462.9	—	D _N - 28.0	9.5	2.5	0.45	0.30	0.25	8.40	3.53
463 - 700	—	D _N - 35.0	11.5	3.0	0.55	0.40	0.35	10.00	5.33



3. Application and properties

Apply to the working condition of fast speed, high pressure, and the necessary pressure keeping. Recommended for double-acting pistons as piston-type energy storage, supporting cylinder and positional cylinder. Double safety with low friction and high elasticity, good dynamic and static sealing performance, larger extrusion clearances can be allowed, at the same time with the function of holding pressure, less leakage in the hydraulic cylinder. Simple groove, small installation space, excellent sliding performance, no crawling phenomenon.

4. Standard materials

Sealing ring: filled PTFE

O-Ring: NBR / FKM

X-Ring: NBR / FKM

5. Working Conditions

Working Conditions				
Diameter Range	Pressure Range	Temperature Range	Speed	Medium
16 - 1600mm	0—40MPa	-30℃ +200℃	2 m/s	hydraulic oil, flame retardant liquid, water and others

6. Installation Dimensions

Bore Dia.	Groove Dia.	Groove Width	Order No.	O-Ring Dimension
d h9	D ₁ H9	L ₁ +0.2		
16	5	4.2	DAQ16*5*4.2	4.34*3.53
18	7	4.2	DAQ18*7*4.2	6.42*3.53
20	9	4.2	DAQ20*9*4.2	8.42*3.53
22	11	4.2	DAQ22*11*4.2	10.69*3.53
25	14	4.2	DAQ25*14*4.2	13.87*3.53
28	17	4.2	DAQ28*17*4.2	15.47*3.53
30	19	4.2	DAQ30*19*4.2	18.66*3.53
32	21	4.2	DAQ32*21*4.2	20.22*3.53
35	24	4.2	DAQ35*24*4.2	23.40*3.53
40	29	4.2	DAQ40*29*4.2	28.17*3.53
42	31	4.2	DAQ42*31*4.2	29.75*3.53
45	34	4.2	DAQ45*34*4.2	32.92*3.53
48	37	4.2	DAQ48*37*4.2	36.09*3.53
50	39	4.2	DAQ50*39*4.2	37.70*3.53
50	34.5	6.3	DAQ50*34.5*6.3	32.69*3.53
52	41	4.2	DAQ52*41*4.2	40.87*3.53
55	44	4.2	DAQ55*44*4.2	44.04*3.53
60	49	4.2	DAQ60*49*4.2	47.22*3.53
63	52	4.2	DAQ63*52*4.2	50.39*3.53
63	47.5	6.3	DAQ63*47.5*6.3	46.99*3.53
65	54	4.2	DAQ65*54*4.2	53.57*3.53



DAQ

Bore Dia. d h9	Groove Dia. D ₁ H9	Groove Width L ₁ +0.2	Order No.	O-Ring Dimension
70	59	4.2	DAQ70*59*4.2	56.74*3.53
70	54.5	6.3	DAQ70*54.5*6.3	53.34*3.53
75	64	4.2	DAQ75*64*4.2	63.09*3.53
80	64.5	6.3	DAQ80*64.5*6.3	62.87*5.33
80	59	8.1	DAQ80*59*8.1	58*7.0
85	69.5	6.3	DAQ85*69.5*6.3	69.22*5.33
85	64	8.1	DAQ85*64*8.1	63*7.0
90	74.5	6.3	DAQ90*74.5*6.3	72.39*5.33
90	69	8.1	DAQ90*69*8.1	68*7.0
95	79.5	6.3	DAQ95*79.5*6.3	78.74*5.33
95	74	8.1	DAQ95*74*8.1	73*7.0
100	84.5	6.3	DAQ100*84.5*6.3	81.92*5.33
100	79	8.1	DAQ100*79*8.1	78*7.0
105	89.5	6.3	DAQ105*89.5*6.3	88.27*5.33
105	84	8.1	DAQ105*84*8.1	83*7.0
110	94.5	6.3	DAQ110*94.5*6.3	91.44*5.33
110	89	8.1	DAQ110*89*8.1	88*7.0
115	99.5	6.3	DAQ115*99.5*6.3	97.79*5.33
115	94	8.1	DAQ115*94*8.1	93*7.0
120	104.5	6.3	DAQ120*104.5*6.3	100.97*5.33
120	99	8.1	DAQ120*99*8.1	98*7.0
125	109.5	6.3	DAQ125*109.5*6.3	107.32*5.33
125	104	8.1	DAQ125*104*8.1	103*7.0
130	114.5	6.3	DAQ130*114.5*6.3	113.67*5.33
130	109	8.1	DAQ130*109*8.1	108*7.0
135	114	8.1	DAQ135*114*8.1	113.67*5.33
140	119	8.1	DAQ140*119*8.1	116.84*7.0
150	129	8.1	DAQ150*129*8.1	126.37*7.0
160	139	8.1	DAQ160*139*8.1	135.89*7.0
170	149	8.1	DAQ170*149*8.1	145.42*7.0
180	159	8.1	DAQ180*159*8.1	158.12*7.0
190	169	8.1	DAQ190*169*8.1	164.47*7.0
200	179	8.1	DAQ200*179*8.1	177.17*7.0
210	189	8.1	DAQ210*189*8.1	183.52*7.0
220	199	8.1	DAQ220*199*8.1	196.22*7.0
230	209	8.1	DAQ230*209*8.1	208.92*7.0
240	219	8.1	DAQ240*219*8.1	215.27*7.0
250	229	8.1	DAQ250*229*8.1	227.97*7.0
250	225.5	8.1	DAQ250*225.5*8.1	227.97*7.0



DAQ

Bore Dia. d h9	Groove Dia. D ₁ H9	Groove Width L ₁ +0.2	Order No.	O-Ring Dimension
280	252	9.5	DAQ280*252*9.5	250*8.4
300	272	9.5	DAQ300*272*9.5	270*8.4
310	282	9.5	DAQ310*282*9.5	280*8.4
320	292	9.5	DAQ320*292*9.5	290*8.4
350	322	9.5	DAQ350*322*9.5	320*8.4
400	372	9.5	DAQ400*372*9.5	370*8.4
420	392	9.5	DAQ420*392*9.5	390*8.4
450	422	9.5	DAQ450*422*9.5	420*8.4
480	445	11.5	DAQ480*445*11.5	444*10.0
500	465	11.5	DAQ500*465*11.5	464*10.0
600	565	11.5	DAQ600*565*11.5	465*10.0
700	665	11.5	DAQ700*665*11.5	664*10.0