

Valqua



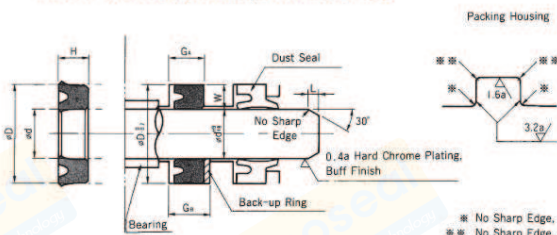


Valqua



UHS Series U-Packing for Rod Seal

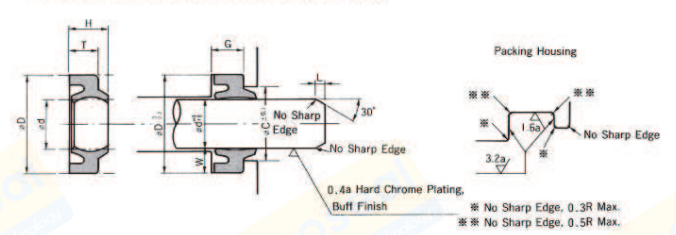
- TOUGHRETHANE® <VALQUA No. TE9625-UHS, E9625-UHS>
- Nitrile Rubber <VALQUA No. 2060-UHS>
- Fluorocarbon Rubber <VALQUA No. 4060-UHS>



※ No Sharp Edge, 0.3R Max.
 ※※ No Sharp Edge, 0.5R Max.

DHS Series Dust Seal

- TOUGHRETHANE® <VALQUA No. E9625-DHS>
- Nitrile Rubber <VALQUA No. 2060-DHS>
- Fluorocarbon Rubber <VALQUA No. 4060-DHS>



※ No Sharp Edge, 0.3R Max.
 ※※ No Sharp Edge, 0.5R Max.

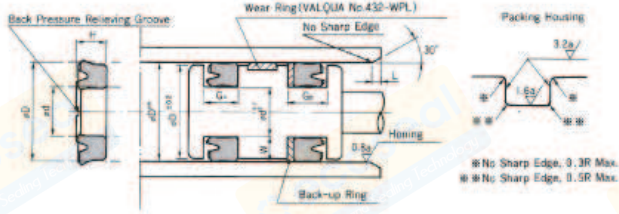
Dash No.	d	D	H	G ₁	G ₂	L	W
UHS 11.2	11.2	19.2	5	5, 7 ^{+0.3}	7, 2 ^{+0.3}	2	4
UHS 14	14	22	5	5, 7 ^{+0.3}	7, 2 ^{+0.3}	2	4
UHS 16	16	24	5	5, 7 ^{+0.3}	7, 2 ^{+0.3}	2	4
UHS 18	18	26	5	5, 7 ^{+0.3}	7, 2 ^{+0.3}	2	4
UHS 20	20	28	5	5, 7 ^{+0.3}	7, 2 ^{+0.3}	2	4
UHS 22.4	22.4	30	5	5, 7 ^{+0.3}	7, 2 ^{+0.3}	2	3.8
UHS 23.5	23.5	31.5	5	5, 7 ^{+0.3}	7, 2 ^{+0.3}	2	4
UHS 25	25	33	5	5, 7 ^{+0.3}	7, 2 ^{+0.3}	2	4
UHS 28	28	35.5	5	5, 7 ^{+0.3}	7, 2 ^{+0.3}	2	3.75
UHS 30	30	40	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 31.5	31.5	41.5	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 35	35	45	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 35.5	35.5	45	6	7 ^{+0.3}	9 ^{+0.3}	3	4.75
UHS 38	38	48	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 40	40	50	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 45A	45	55	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 45	45	56	7	8 ^{+0.3}	10 ^{+0.3}	3	5.5
UHS 50	50	60	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 53	53	63	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 55	55	65	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 56	56	66	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 58	58	68	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 60A	60	70	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 60	60	71	7	8 ^{+0.3}	10 ^{+0.3}	3	5.5
UHS 63	63	73	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 65	65	75	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 67	67	77	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 70	70	80	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 71	71	80	6	7 ^{+0.3}	9 ^{+0.3}	3	4.5
UHS 75	75	85	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 80	80	90	6	7 ^{+0.3}	9 ^{+0.3}	3	5
UHS 85	85	100	9	10 ^{+0.3}	13 ^{+0.3}	4	7.5
UHS 90	90	105	9	10 ^{+0.3}	13 ^{+0.3}	4	7.5
UHS 95	95	110	9	10 ^{+0.3}	13 ^{+0.3}	4	7.5
UHS 98	98	112	9	10 ^{+0.3}	13 ^{+0.3}	4	7
UHS100	100	115	9	10 ^{+0.3}	13 ^{+0.3}	4	7.5
UHS112	112	125	9	10 ^{+0.3}	13 ^{+0.3}	4	6.5
UHS125	125	140	9	10 ^{+0.3}	13 ^{+0.3}	4	7.5
UHS136	136	150	9	10 ^{+0.3}	13 ^{+0.3}	4	7
UHS140	140	155	9	10 ^{+0.3}	13 ^{+0.3}	4	7.5
UHS145	145	160	9	10 ^{+0.3}	13 ^{+0.3}	4	7.5

Dash No.	d	D	H	T	C	G ₁ ^{±0.3}	L	W
DHS 11.2	11.2	19.2	6	4.5	15.5	5	2	4
DHS 14	14	22	6	4.5	18.3	5	2	4
DHS 18	18	26	6	4.5	22.3	5	2	4
DHS 20	20	28	6	4.5	24.3	5	2	4
DHS 22.4	22.4	30.4	6	4.5	26.7	5	2	4
DHS 23.5	23.5	31.5	6	4.5	27.8	5	2	4
DHS 25	25	33	6	4.5	29.3	5	2	4
DHS 28	28	36	6	4.5	32.3	5	2	4
DHS 30	30	38	6.5	5	34	6	2	4
DHS 31.5	31.5	39.5	6.5	5	35.5	6	2	4
DHS 35	35	43	6.5	5	39	6	2	4
DHS 35.5	35.5	43.5	6.5	5	39.5	6	2	4
DHS 40	40	48	6.5	5	44	6	2	4
DHS 45	45	53	6.5	5	49	6	2	4
DHS 50	50	58	6.5	5	54	6	2	4
DHS 53	53	61	6.5	5	57	6	2	4
DHS 55	55	63	6.5	5	59	6	2	4
DHS 56	56	64	6.5	5	60	6	2	4
DHS 60	60	68	6.5	5	64	6	2	4
DHS 63	63	71	6.5	5	67	6	2	4
DHS 65	65	73	6.5	5	69	6	2	4
DHS 67	67	75	6.5	5	71	6	2	4
DHS 70	70	80	8	6	75	7	3	5
DHS 71	71	81	8	6	76	7	3	5
DHS 75	75	85	8	6	80	7	3	5
DHS 80	80	90	8	6	85	7	3	5
DHS 85	85	95	8	6	90	7	3	5
DHS 90	90	100	8	6	95	7	3	5
DHS 98	98	108	8	6	103	7	3	5
DHS100	100	110	8	6	105	7	3	5
DHS112	112	122	8	6	117	7	3	5
DHS125	125	138	9.5	7	132	8	3	6.5
DHS136	136	149	9.5	7	143	8	3	6.5
DHS140	140	153	9.5	7	147	8	3	6.5
DHS145	145	158	9.5	7	152	8	3	6.5
DHS160	160	174	9.5	7	167	8	3	7
DHS165	165	179	9.5	7	172	8	3	7
DHS180	180	194	9.5	7	187	8	3	7
DHS200	200	214	9.5	7	207	8	3	7
DHS204	204	218	9.5	7	211	8	3	7
DHS230	230	244	9.5	7	237	8	3	7

DIMENSIONAL DATA

UHP Series U-Packing for Piston Seal

- TOUGHRETHANE® (VALQUA No. TE9625-UHP, E9625-UHP)
- Nitrile Rubber (VALQUA No. 2060-UHP)
- Fluorocarbon Rubber (VALQUA No. 4060-UHP)



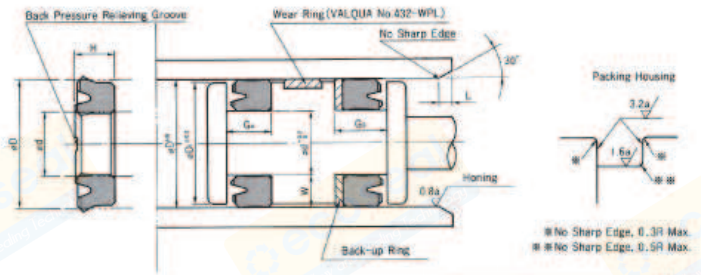
※ No Sharp Edge, 0.3R Max.
 ※ No Sharp Edge, 0.5R Max.

Dash No.	D	d	H	G ₁	G ₂	D ₁	L	W
UHP 40	40	30	6.5	7 * ^{±0.1}	9 * ^{±0.1}	39	2	5
UHP 50	50	40	6.5	7 * ^{±0.1}	9 * ^{±0.1}	49	2	5
UHP 63	63	53	6.5	7 * ^{±0.1}	9 * ^{±0.1}	62	2	5
UHP 80	80	71	6.5	7 * ^{±0.1}	9 * ^{±0.1}	79	2	4.5
UHP 90	90	80	6.5	7 * ^{±0.1}	9 * ^{±0.1}	89	2	5
UHP100	100	85	9.5	10 * ^{±0.1}	13 * ^{±0.1}	96	3	7.5
UHP125	125	112	9.0	9.5 * ^{±0.1}	12.5 * ^{±0.1}	123	3	6.5
UHP140	140	125	9.5	10 * ^{±0.1}	13 * ^{±0.1}	138	3	7.5
UHP150	150	136	9.0	9.5 * ^{±0.1}	12.5 * ^{±0.1}	148	3	7
UHP160	160	145	9.5	10 * ^{±0.1}	13 * ^{±0.1}	157	3	7.5
UHP180	180	165	9.5	10 * ^{±0.1}	13 * ^{±0.1}	177	3	7.5
UHP200	200	180	12.5	13 * ^{±0.1}	16 * ^{±0.1}	197	4	10
UHP220	220	200	12.5	13 * ^{±0.1}	16 * ^{±0.1}	217	4	10
UHP224	224	204	12.5	13 * ^{±0.1}	16 * ^{±0.1}	221	4	10
UHP250	250	230	12.5	13 * ^{±0.1}	16 * ^{±0.1}	247	4	10

Unit: mm

UNP Series U-Packing for Piston Seal

- TOUGHRETHANE® (VALQUA No. TE9625-UNP, E9625-UNP)



※ No Sharp Edge, 0.3R Max.
 ※ No Sharp Edge, 0.5R Max.

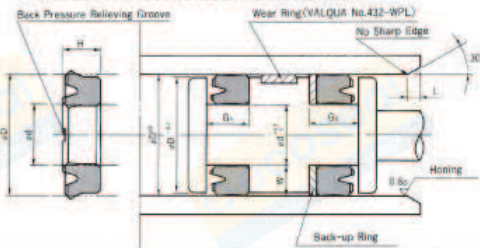
Dash No.	D	d	H	G ₁ * ^{±0.1}	G ₂ * ^{±0.1}	D ₁	L	W
UNP180	180	155	16	17	20	177	5	12.5
UNP190	190	165	16	17	20	187	5	12.5
UNP200	200	175	16	17	20	197	5	12.5
UNP205	205	180	16	17	20	202	5	12.5
UNP215	215	190	16	17	20	212	5	12.5
UNP224	224	199	16	17	20	221	5	12.5
UNP237	237	212	19	20	23	234	5	12.5
UNP250	250	225	19	20	23	247	5	12.5
UNP261	261	236	19	20	23	257	5	12.5
UNP275	275	250	19	20	23	271	5	12.5
UNP280	280	256	19	20	24	276	5	12.5
UNP295	295	265	19	20	24	291	6	15
UNP300	300	270	19	20	24	296	6	15
UNP310	310	280	19	20	24	306	6	15
UNP330	330	300	19	20	24	326	6	15

Unit: mm

Nitrile rubber and fluorocarbon rubber are available on request.

MLP Series U-Packing for Piston Seal

- TOUGHRETHANE® (VALQUA No. TE9625-MLP, E9625-MLP)
- Nitrile Rubber (VALQUA No. 2060-MLP)
- Fluorocarbon Rubber (VALQUA No. 4060-MLP)

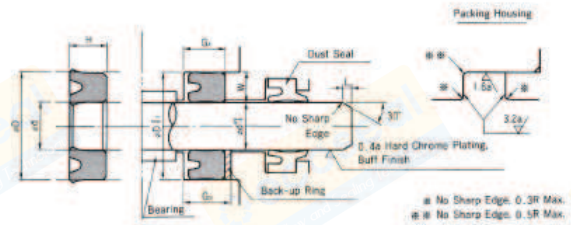


Dash No.	D	d	H	G ₁	G ₂	D ₁	L	W
MLP 40	40	30	6.5	7 ^{3/8}	9 ^{1/8}	39	2	5
MLP 50	50	40	6.5	7 ^{3/8}	9 ^{1/8}	49	2	5
MLP 65	63	53	6.5	7 ^{3/8}	9 ^{1/8}	62	2	5
MLP 80	80	71	6.5	7 ^{3/8}	9 ^{1/8}	79	2	4.5
MLP100	100	85	9.5	10 ^{1/8}	13 ^{1/8}	98	3	7.5
MLP125	125	105	16(16.5)	17 ^{3/8}	20 ^{1/8}	123	4	10
MLP140	140	120	16(16.5)	17 ^{3/8}	20 ^{1/8}	138	4	10
MLP160	160	135	16(16.5)	17 ^{3/8}	20 ^{1/8}	158	5	12.5
MLP180	180	155	16(16.5)	17 ^{3/8}	20 ^{1/8}	177	5	12.5
MLP200	200	175	16(16.5)	17 ^{3/8}	20 ^{1/8}	197	5	12.5
MLP224	224	189	16(16.5)	17 ^{3/8}	20 ^{1/8}	221	5	12.5
MLP250	250	225	19(20)	21 ^{3/8}	24 ^{1/8}	247	5	12.5

Sizes are based on the Japan Hydraulic and Pneumatic Standards JHRH-06 "Heavy Duty for Oil Hydraulic Cylinder".
The MLP125 and above is the separate honing.
Sizes in () for 2060 MLP and 4060 MLP.

UNS Series U-Packing for Rod Seal

- TOUGHRETHANE® (VALQUA No. TE9625-UNS, E9625-UNS)

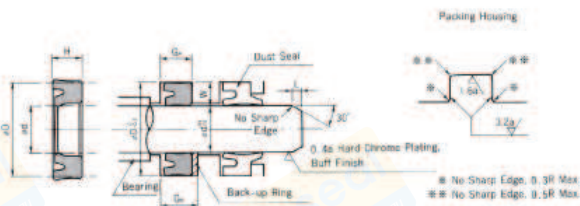


Dash No.	d	D	H	G ₁	G ₂	L	W	Dash No.	d	D	H	G ₁	G ₂	L	W
UNS 6.3	6.3	16.3	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 55	55	75	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 7.1	7.1	17.1	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 56	56	76	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 8	8	18	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 60	60	80	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 9	9	19	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 63	63	83	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 10	10	20	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 65	65	85	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 11.2	11.2	21.2	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 67	67	87	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 12.5	12.5	22.5	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 70	70	90	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 14	14	24	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 71	71	91	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 15	15	25	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 75	75	95	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 16	16	26	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 80	80	100	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 18	18	28	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 85	85	105	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 20	20	30	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 90	90	110	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 22.4	22.4	32.4	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 95	95	115	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 25	25	35	8	9 ^{1/8}	10.5 ^{1/8}	3	5	UNS 100	100	120	12	13 ^{3/8}	15 ^{3/8}	5	10
UNS 28	28	40	10.2	11 ^{3/8}	12.5 ^{1/8}	4	7.5	UNS 105	105	125	16	17 ^{3/8}	20 ^{1/8}	5	10
UNS 30	30	45	10.2	11 ^{3/8}	13 ^{1/8}	4	7.5	UNS 106	106	126	16	17 ^{3/8}	20 ^{1/8}	5	10
UNS 31.5	31.5	46.5	10.2	11 ^{3/8}	13 ^{1/8}	4	7.5	UNS 110	110	130	16	17 ^{3/8}	20 ^{1/8}	5	10
UNS 35	35	50	10.2	11 ^{3/8}	13 ^{1/8}	4	7.5	UNS 112	112	132	16	17 ^{3/8}	20 ^{1/8}	5	10
UNS 35.5	35.5	50.5	10.2	11 ^{3/8}	13 ^{1/8}	4	7.5	UNS 118	118	138	16	17 ^{3/8}	20 ^{1/8}	5	10
UNS 40	40	55	10.2	11 ^{3/8}	13 ^{1/8}	4	7.5	UNS 120	120	140	16	17 ^{3/8}	20 ^{1/8}	5	10
UNS 45	45	60	10.2	11 ^{3/8}	13 ^{1/8}	4	7.5	UNS 125	125	145	16	17 ^{3/8}	20 ^{1/8}	5	10
UNS 48	48	63	10.2	11 ^{3/8}	13 ^{1/8}	4	7.5	UNS 130	130	150	16	17 ^{3/8}	20 ^{1/8}	5	10
UNS 50	50	65	10.2	11 ^{3/8}	13 ^{1/8}	4	7.5	UNS 140	140	160	16	17 ^{3/8}	20 ^{1/8}	5	10
UNS 53	53	73	12	13 ^{3/8}	15 ^{3/8}	5	10	UNS 150	150	170	16	17 ^{3/8}	20 ^{1/8}	5	10

Nitrile rubber and fluorocarbon rubber are available on request. Use in the standard packing housing.

UHR Series U-Packing for Rod Seal

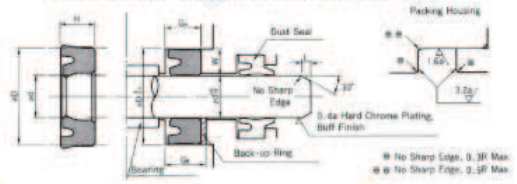
- TOUGHRETHANE® (VALQUA No. TE9625-UHR, E9625-UHR)
- Nitrile Rubber (VALQUA No. 2060-UHR)
- Fluorocarbon Rubber (VALQUA No. 4060-UHR)



Dash No.	d	D	H	G ₁	G ₂	L	W
UHR 18	18	26	5.2	5.7 ^{±0.2}	7.2 ^{±0.2}	2	4
UHR 20	20	28	5.2	5.7 ^{±0.2}	7.2 ^{±0.2}	2	4
UHR 22.4	22.4	30	5.2	5.7 ^{±0.2}	7.2 ^{±0.2}	2	3.8
UHR 28	28	35.5	5.2	5.7 ^{±0.2}	7.2 ^{±0.2}	2	3.75
UHR 35.5	35.5	45	6.5	7.1 ^{±0.2}	9.1 ^{±0.2}	2	4.15
UHR 40	40	50	6.5	7.1 ^{±0.2}	9.1 ^{±0.2}	3	5
UHR 45A	45	55	6.5	7.1 ^{±0.2}	9.1 ^{±0.2}	3	5
UHR 45	45	56	7.5	8.1 ^{±0.2}	10.1 ^{±0.2}	3	5.5
UHR 50	50	60	6.5	7.1 ^{±0.2}	9.1 ^{±0.2}	3	5
UHR 56	56	66	6.5	7.1 ^{±0.2}	9.1 ^{±0.2}	3	5
UHR 63	63	73	6.5	7.1 ^{±0.2}	9.1 ^{±0.2}	3	5
UHR 67	67	77	6.5	7.1 ^{±0.2}	9.1 ^{±0.2}	3	5
UHR 71	71	80	6.5	7.1 ^{±0.2}	9.1 ^{±0.2}	3	4.5
UHR 80	80	90	6.5	7.1 ^{±0.2}	9.1 ^{±0.2}	3	5
UHR 85	85	100	9.5	10.1 ^{±0.2}	12.1 ^{±0.2}	3	7.5
UHR 90	90	105	9.5	10.1 ^{±0.2}	12.1 ^{±0.2}	3	7.5
UHR100	100	115	9.5	10.1 ^{±0.2}	12.1 ^{±0.2}	3	7.5
UHR112	112	125	9.0	9.5 ^{±0.2}	12.5 ^{±0.2}	3	6.5
UHR125	125	140	9.5	10.1 ^{±0.2}	12.1 ^{±0.2}	3	7.5
UHR140	140	155	9.5	10.1 ^{±0.2}	12.1 ^{±0.2}	3	7.5
UHR160	160	175	9.5	10.1 ^{±0.2}	12.1 ^{±0.2}	3	7.5
UHR180	180	200	12.5	13.1 ^{±0.2}	16.1 ^{±0.2}	4	10

UNR Series U-Packing for Rod Seal

- TOUGHRETHANE® (VALQUA No. TE9625-UNR, E9625-UNR)

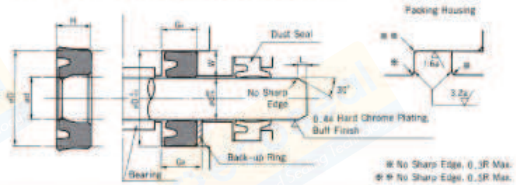


Dash No.	d	D	H	G ₁ 1'	G ₂ 1'	L	W
UNR120	120	135	16	17	23	5	12.5
UNR120	120	135	16	17	23	9	12.5
UNR180	180	205	16	17	23	5	12.5
UNR180	180	215	16	17	23	5	12.5
UNR200	200	225	16	17	23	5	12.5
UNR212	212	237	19	20	23	5	12.5
UNR224	224	249	19	20	23	5	12.5
UNR250	250	275	19	20	23	5	12.5
UNR250	250	281	19	20	23	5	12.5
UNR250	250	275	19	20	24	5	15
UNR275	270	300	19	20	24	5	15
UNR280	280	310	19	20	24	5	15

*Nitrile rubber and Fluorocarbon rubber are available on request.

MLR Series U-Packing for Rod Seal

- TOUGHRETHANE® (VALQUA No. TE9625-MLR, E9625-MLR)
- Nitrile Rubber (VALQUA No. 2060-MLR)
- Fluorocarbon Rubber (VALQUA No. 4060-MLR)



Dash No.	d	D	H	G ₁ 1'	G ₂ 1'	L	W
MLR 22.4	22.4	30.4	10(10.5)	11	12.5	3	6.5
MLR 28	28	41	10(10.5)	11	12.5	3	6.5
MLR 35.5	35.5	51.5	12(12.5)	13	15	4	8
MLR 45	45	61	12(12.5)	13	15	4	8
MLR 56	56	72	12(12.5)	13	15	4	8
MLR 71	71	81	15(15.5)	16	18	5	10
MLR 80	80	90	15(15.5)	16	18	5	10
MLR 90	90	110	15(15.5)	16	18	5	10
MLR100	100	120	15(15.5)	16	18	5	10

Series are based on The Japan Hydraulic and Pneumatic Standards JIS-B-101 "Heavy Duty for ISO Hydraulic Cylinders" (Items in () for 3500 MLR and 4000-MLR. Use in the appropriate packing housing.