



$R \leq 0.3$   
 $R_1 \leq 0.5$   
 $R_2 \leq 1$

The inner surface of the cylinder tube should be finished by burnishing (RLB) or honing (GH) to 0.4 to 3.2  $\mu\text{m}$  Rz (0.1 to 0.8  $\mu\text{m}$  Ra). Especially under severe lubricating condition, burnishing is required.

Model	$\phi D$	$\phi d$	h	HA	HB	A	C
ODU-16	16	10	8	9	10.5	4	0.5
ODU-16	16	10	4	5	6.5	4	0.5
ODU-20	20	14	6.5	7.5	9	4	0.5
ODU-20	20	14	8	9	10.5	4	0.5
ODU-22	22	16	8	9	10.5	4	0.5
ODU-25	25	19	8	9	10.5	4	0.5
ODU-28	28	22	8	9	10.5	4	0.5
ODU-30	30	22	10	12	13.5	4	0.5
ODU-32	32	24	10	12	13.5	4	0.5
ODU-35	35	27	10	12	13.5	4	0.5
ODU-36	36	28	10	12	13.5	4	0.5
ODU-40	40	32	10	12	13.5	4	0.5
ODU-45	45	37	10	12	13.5	4	0.5
ODU-50	50	42	10	12	13.5	4	0.5
ODU-55	55	43	14	16	18	5	0.5
ODU-55	55	47	7	8	9.5	4	0.5
ODU-55	55	47	10	12	13.5	4	0.5
ODU-56	56	48	10	12	13.5	4	1
ODU-56	56	44	14	16	18	5	1
ODU-60	60	48	14	16	18	5	1
ODU-63	63	51	14	16	18	5	1
ODU-65	65	53	14	16	18	5	1
ODU-70	70	58	14	16	18	5	1
ODU-75	75	63	14	16	18	5	1
ODU-80	80	68	14	16	18	5	1
ODU-85	85	73	14	16	18	5	1
ODU-90	90	78	14	16	18	5	1
ODU-95	95	83	14	16	18	5	1
ODU-100	100	85	9.5	11.5	13	5	1
ODU-100	100	88	9.5	11.5	13	5	1
ODU-100	100	88	14	16	18	5	1
ODU-100	100	88	18	20	22.5	5	1
ODU-105	105	89	18	20	22.5	5	1
ODU-105	105	93	14	16	18	5	1
ODU-110	110	90	16	18	20.5	5	1



Model	$\phi D$	$\phi d$	h	HA	HB	A	C
ODU-110	110	94	18	20	22.5	5	1
ODU-110	110	98	14	16	18	5	1
ODU-115	115	103	14	16	18	5	1
ODU-115	115	99	18	20	22.5	5	1
ODU-120	120	104	18	20	22.5	5	1
ODU-120	120	108	14	16	18	5	1
ODU-125	125	109	18	20	22.5	5	1
ODU-125	125	113	14	16	18	5	1
ODU-130	130	114	18	20	22.5	5	1
ODU-130	130	118	14	16	18	5	1
ODU-135	135	119	18	20	22.5	5	1
ODU-140	140	124	18	20	22.5	5	1
ODU-140	140	128	14	16	18	5	1
ODU-145	145	129	18	20	22.5	5	1
ODU-150	150	134	18	20	22.5	5	1
ODU-150	150	138	14	16	18	5	1
ODU-155	155	139	18	20	22.5	5	1
ODU-158	158	140	7	8	10.5	5	1
ODU-160	160	144	18	20	22.5	5	1
ODU-160	160	148	14	20	18	5	1
ODU-165	165	149	18	20	22.5	6	1
ODU-170	170	154	18	20	22.5	6	1
ODU-175	175	159	18	20	22.5	6	1
ODU-180	180	164	18	20	22.5	6	1
ODU-190	190	174	18	20	22.5	6	1
ODU-195	195	179	18	20	22.5	6	1
ODU-200	200	184	12	14	16	6	1
ODU-200	200	184	18	20	22.5	6	1
ODU-210	210	194	18	20	22.5	6	1
ODU-220	220	204	18	20	22.5	6	1
ODU-225	225	209	18	20	22.5	6	1
ODU-230	230	214	14	16	18	6	1
ODU-230	230	214	18	20	22.5	6	1
ODU-240	240	217	15.5	17.5	20	6	1
ODU-240	240	228	14	16	18	6	1
ODU-240	240	224	18	20	22.5	6	1
ODU-242	242	217	15.5	17.5	20	6	1
ODU-250	250	234	18	20	22.5	6	1
ODU-260	260	244	18	20	22.5	6	1
ODU-265	265	249	18	20	22.5	6	1
ODU-270	270	254	18	20	22.5	6	1
ODU-275	275	259	18	20	22.5	6	1
ODU-280	280	264	18	20	22.5	6	1
ODU-290	290	274	18	20	22.5	6	1
ODU-300	300	284	18	20	22.5	6	1
ODU-305	305	289	18	20	22.5	6	1
ODU-310	310	286	24				
ODU-320	320	296	24	26.5	30	6	1
ODU-330	330	306	24	26.5	30	6	1
ODU-340	340	316	24	26.5	30	6	1



Model	$\phi D$	$\phi d$	h	HA	HB	A	C
ODU-350	350	326	24	26.5	30	6	1
ODU-360	360	336	24	26.5	30	6	1
ODU-370	370	346	24	26.5	30	6	1
ODU-380	380	356	24	26.5	30	6	1
ODU-400	400	376	24	26.5	30	6	1
ODU-420	420	396	24	26.5	30	6	1
ODU-450	450	426	24	26.5	30	6	1
ODU-480	480	456	24	26.5	30	6	1
ODU-500	500	476	24	26.5	30	6	1
ODU-520	520	496	24	26.5	30	6	1.5
ODU-530	530	506	24	26.5	30	6	1.5
ODU-550	550	525	14	16	18	6	1
ODU-560	560	536	24	26.5	30	6	1.5
ODU-580	580	556	24	26.5	30	6	1.5
ODU-600	600	576	24	26.5	30	6	1.5
ODU-630	630	606	24	26.5	30	6	1.5
ODU-640	640	616	24	26.5	30	6	1.5
ODU-650	650	626	24	26.5	30	6	1.5
ODU-700	700	676	24	26.5	30	6	1.5
ODU-730	730	706	24	26.5	30	6	1.5
ODU-770	770	746	24	26.5	30	6	1.5