O-Ring Groove Dimension Parameters

Recommended Dynamic Parameters for O-Rings (Gas Medium)				Recommended Dynamic Parameters for O-Rings (Gas Medium)			
C/S (mm)	Groove Depth (T)	Groove Width (B)	Shaft Chamfer (Z)	C/S (mm)	Groove Depth (T)	Groove Width (B)	Shaft Chamfer (Z)
1.00	0.95	1.30	1.00	5.00	4.65	6.00	2.50
1.50	1.35	1.90	1.00	5.33	4.95	6.40	2.70
1.60	1.45	2.00	1.10	5.50	5.15	6.60	2.70
1.78	1.55	2.30	1.10	5.70	5.35	6.90	2.80
1.90	1.75	2.40	1.20	6.00	5.65	7.20	3.00
2.00	1.80	2.40	1.20	6.50	6.10	7.80	3.10
2.40	2.15	2.90	1.40	6.99	6.60	8.40	3.30
2.50	2.25	3.00	1.40	7.00	6.60	8.40	3.60
2.62	2.35	3.10	1.50	7.50	7.10	9.00	3.80
2.70	2.45	3.20	1.50	8.00	7.60	9.60	4.00
3.00	2.75	3.60	1.60	8.40	7.90	10.10	4.20
3.50	3.25	4.20	1.80	8.50	8.00	10.20	4.20
3.53	3.25	4.20	1.80	9.00	8.50	10.80	4.30
3.60	3.35	4.30	1.80	9.50	9.00	11.40	4.40
4.00	3.70	4.80	2.00	10.00	9.50	12.00	4.50
4.50	4.20	5.40	2.30				

O-Ring Groove Dimension Parameters

Recommended Static Parameters for O-Rings		
C/S (mm)	Groove Depth(T)	Groove Width(B)
1.00	0.80	1.30
1.50	1.10	1.90
1.60	1.20	2.10
1.78	1.30	2.30
1.90	1.40	2.40
2.00	1.50	2.60
2.40	1.80	3.10
2.50	1.90	3.20
2.62	2.00	3.40
2.70	2.10	3.50
3.00	2.30	3.90
3.50	2.70	4.50
3.53	2.70	4.50
3.60	2.80	4.70

Recommended Dynamic Parameters for O-Rings (Liquid Medium)			
C/S (mm)	Groove Depth(T)	Groove Width(B)	Shaft Chamfer(Z)
1.00	0.90	1.30	1.00
1.50	1.30	1.90	1.00
1.60	1.40	2.00	1.10
1.78	1.50	2.30	1.10
1.90	1.60	2.40	1.20
2.00	1.70	2.40	1.20
2.40	2.10	2.90	1.40
2.50	2.20	3.00	1.40
2.62	2.30	3.10	1.50
2.70	2.40	3.20	1.50
3.00	2.60	3.60	1.60
3.50	3.10	4.20	1.80
3.53	3.10	4.20	1.80
3.60	3.20	4.30	1.80

4.00	3.15	5.20
4.50	3.60	5.80
5.00	4.00	6.50
5.33	4.30	6.90
5.50	4.50	7.10
5.70	4.65	7.40
6.00	4.95	7.80
6.50	5.40	8.40
6.99	5.85	9.10
7.00	5.85	9.10
7.50	6.30	9.70
8.00	6.75	10.40
8.40	7.15	10.90
8.50	7.25	11.00
9.00	7.70	11.70
9.50	8.20	12.30
10.00	8.65	13.00

4.00	3.50	4.80	2.00
4.50	4.00	5.40	2.30
5.00	4.45	6.00	2.50
5.33	4.70	6.40	2.70
5.50	4.95	6.60	2.70
5.70	5.10	6.90	2.80
6.00	5.40	7.20	3.00
6.50	5.80	7.80	3.10
6.99	6.30	8.40	3.30
7.00	6.30	8.40	3.60
7.50	6.70	9.00	3.80
8.00	7.20	9.60	4.00
8.40	7.60	10.10	4.20
8.50	7.70	10.20	4.20
9.00	8.20	10.80	4.30
9.50	8.60	11.40	4.40
10.00	9.10	12.00	4.50

Relationship Between O-Ring Hardness and Working Pressure

KG/CM2 (mm)

Spec.	Hardness	35	70	105	140	175	210	350
1.78mm	70	0.15	0.10	0.05				
	80	0.20	0.15	0.10	0.05	0.03		
	90	0.25	0.20	0.13	0.10	0.08	0.05	0.03
2.62mm	70	0.18	0.13	0.08				
	80	0.25	0.18	0.13	0.08	0.04		
	90	0.30	0.25	0.18	0.13	0.10	0.08	0.04
3.53mm	70	0.20	0.15	0.10				
	80	0.30	0.20	0.15	0.10	0.05		
	90	0.40	0.30	0.20	0.15	0.13	0.10	0.05
5.34mm	70	0.25	0.18	0.13				
	80	0.35	0.25	0.18	0.13	0.06		
	90	0.45	0.35	0.25	0.18	0.15	0.13	0.06
7.00mm	70	0.30	0.20	0.15				
	80	0.40	0.30	0.20	0.15	0.07		
	90	0.50	0.40	0.30	0.20	0.18	0.15	0.07

O-Ring size

NO.	ID (mm)	CS (mm)
AS-001	0.74	1.02
AS-002	1.07	1.27
AS-003	1.42	1.52
AS-004	1.78	1.78
AS-005	2.57	1.78
AS-006	2.90	1.78
AS-007	3.68	1.78
AS-008	4.47	1.78
AS-009	5.28	1.78
AS-010	6.07	1.78
AS-011	7.65	1.78
AS-012	9.25	1.78
AS-013	10.82	1.78
AS-014	12.42	1.78
AS-015	14.00	1.78
AS-016	15.60	1.78
AS-017	17.17	1.78
AS-018	18.77	1.78
AS-019	20.35	1.78
AS-020	21.95	1.78
AS-021	23.52	1.78
AS-022	25.12	1.78
AS-023	26.70	1.78
AS-024	28.30	1.78
AS-025	29.87	1.78
AS-026	31.47	1.78
AS-027	33.05	1.78
AS-028	34.65	1.78
AS-029	37.82	1.78
AS-030	41.00	1.78
AS-031	44.17	1.78
AS-032	47.35	1.78
AS-033	50.52	1.78
AS-034	53.70	1.78
AS-035	56.87	1.78
AS-036	60.05	1.78
AS-037	63.22	1.78
AS-038	66.40	1.78
AS-039	69.57	1.78
AS-040	72.75	1.78
AS-041	75.92	1.78
AS-042	82.27	1.78
AS-043	88.62	1.78
AS-044	94.97	1.78
AS-045	101.32	1.78
AS-046	107.67	1.78
AS-047	114.02	1.78
AS-048	120.37	1.78

NO.	ID (mm)	CS (mm)
CS (mm) 2.62		
AS-102	1.24	2.62
AS-103	2.06	2.62
AS-104	2.84	2.62
AS-105	3.63	2.62
AS-106	4.42	2.62
AS-107	5.23	2.62
AS-108	6.02	2.62
AS-109	7.59	2.62
AS-110	9.19	2.62
AS-111	10.77	2.62
AS-112	12.37	2.62
AS-113	13.94	2.62
AS-114	15.54	2.62
AS-115	17.12	2.62
AS-116	18.72	2.62
AS-117	20.29	2.62
AS-118	21.89	2.62
AS-119	23.47	2.62
AS-120	25.07	2.62
AS-121	26.64	2.62
AS-122	28.24	2.62
AS-123	29.82	2.62
AS-124	31.42	2.62
AS-125	32.99	2.62
AS-126	34.59	2.62
AS-127	36.17	2.62
AS-128	37.77	2.62
AS-129	39.34	2.62
AS-130	40.94	2.62
AS-131	42.52	2.62
AS-132	44.12	2.62
AS-133	45.69	2.62
AS-134	47.29	2.62
AS-135	48.90	2.62
AS-136	50.47	2.62
AS-137	52.07	2.62
AS-138	53.64	2.62
AS-139	55.25	2.62
AS-140	56.82	2.62
AS-141	58.42	2.62
AS-142	59.99	2.62
AS-143	61.60	2.62
AS-144	63.17	2.62
AS-145	64.77	2.62
AS-146	66.34	2.62
AS-147	67.95	2.62
AS-148	69.52	2.62

NO.	ID (mm)	CS (mm)
AS-151	75.87	2.62
AS-152	82.22	2.62
AS-153	88.57	2.62
AS-154	94.92	2.62
AS-155	101.27	2.62
AS-156	107.62	2.62
AS-157	113.97	2.62
AS-158	120.32	2.62
AS-159	126.67	2.62
AS-160	133.02	2.62
AS-161	139.37	2.62
AS-162	146.48	2.62
AS-163	152.07	2.62
AS-164	158.42	2.62
AS-165	164.77	2.62
AS-166	171.12	2.62
AS-167	177.47	2.62
AS-168	183.82	2.62
AS-169	190.17	2.62
AS-170	196.52	2.62
AS-171	202.87	2.62
AS-172	209.22	2.62
AS-173	215.57	2.62
AS-174	221.92	2.62
AS-175	228.27	2.62
AS-176	234.62	2.62
AS-177	240.97	2.62
AS-178	247.32	2.62
AS-179	253.67	2.62
CS (mm) 3.53		
AS-201	4.34	3.53
AS-202	5.94	3.53
AS-203	7.52	3.53
AS-204	9.12	3.53
AS-205	10.69	3.53
AS-206	12.29	3.53
AS-207	13.87	3.53
AS-208	15.47	3.53
AS-209	17.04	3.53
AS-210	18.64	3.53
AS-211	20.22	3.53
AS-212	21.82	3.53
AS-213	23.39	3.53
AS-214	24.99	3.53
AS-215	26.57	3.53
AS-216	28.17	3.53
AS-217	29.74	3.53
AS-218	31.34	3.53

AS-049	126.72	1.78
AS-050	133.07	1.78
NO.	ID (mm)	CS (mm)
AS-221	36.09	3.53
AS-222	37.69	3.53
AS-223	40.87	3.53
AS-224	44.04	3.53
AS-225	47.22	3.53
AS-226	50.39	3.53
AS-227	53.57	3.53
AS-228	56.74	3.53
AS-229	59.92	3.53
AS-230	63.09	3.53
AS-231	66.27	3.53
AS-232	69.44	3.53
AS-233	72.62	3.53
AS-234	75.79	3.53
AS-235	78.97	3.53
AS-236	82.14	3.53
AS-237	85.32	3.53
AS-238	88.49	3.53
AS-239	91.67	3.53
AS-240	94.84	3.53
AS-241	98.02	3.53
AS-242	101.19	3.53
AS-243	104.37	3.53
AS-244	107.54	3.53
AS-245	110.72	3.53
AS-246	113.89	3.53
AS-247	117.07	3.53
AS-248	120.24	3.53
AS-249	123.42	3.53
AS-250	126.59	3.53
AS-251	129.77	3.53
AS-252	132.94	3.53
AS-253	136.12	3.53
AS-254	139.29	3.53
AS-255	142.47	3.53
AS-256	145.64	3.53
AS-257	148.82	3.53
AS-258	151.99	3.53
AS-259	158.34	3.53
AS-260	164.69	3.53
AS-261	171.04	3.53
AS-262	177.39	3.53
AS-263	183.74	3.53
AS-264	190.09	3.53
AS-265	196.44	3.53
AS-266	202.79	3.53
AS-267	209.14	3.53
AS-268	215.49	3.53

AS-149	71.12	2.62
AS-150	72.69	2.62
NO.	ID (mm)	CS (mm)
AS-271	234.54	3.53
AS-272	240.89	3.53
AS-273	247.24	3.53
AS-274	253.59	3.53
AS-275	266.29	3.53
AS-276	278.99	3.53
AS-277	291.69	3.53
AS-278	304.39	3.53
AS-279	329.79	3.53
AS-280	355.19	3.53
AS-281	380.59	3.53
AS-282	405.26	3.53
AS-283	430.66	3.53
AS-284	456.06	3.53
CS (mm) 5.33		
AS-309	10.46	5.33
AS-310	12.07	5.33
AS-311	13.64	5.33
AS-312	15.24	5.33
AS-313	16.81	5.33
AS-314	18.42	5.33
AS-315	19.99	5.33
AS-316	21.59	5.33
AS-317	23.16	5.33
AS-318	24.77	5.33
AS-319	26.34	5.33
AS-320	27.94	5.33
AS-321	29.51	5.33
AS-322	31.12	5.33
AS-323	32.69	5.33
AS-324	34.29	5.33
AS-325	37.47	5.33
AS-326	40.64	5.33
AS-327	43.82	5.33
AS-328	46.99	5.33
AS-329	50.17	5.33
AS-330	53.34	5.33
AS-331	56.52	5.33
AS-332	59.69	5.33
AS-333	62.87	5.33
AS-334	66.04	5.33
AS-335	69.22	5.33
AS-336	72.39	5.33
AS-337	75.57	5.33
AS-338	78.74	5.33
AS-339	81.92	5.33
AS-340	85.09	5.33
AS-341	88.27	5.33

AS-219	32.92	3.53
AS-220	34.52	3.53
NO.	ID (mm)	CS (mm)
AS-344	97.79	5.33
AS-345	100.97	5.33
AS-346	104.14	5.33
AS-347	107.32	5.33
AS-348	110.49	5.33
AS-349	113.67	5.33
AS-350	116.84	5.33
AS-351	120.02	5.33
AS-352	123.19	5.33
AS-353	126.37	5.33
AS-354	129.54	5.33
AS-355	132.72	5.33
AS-356	135.89	5.33
AS-357	139.07	5.33
AS-358	142.24	5.33
AS-359	145.42	5.33
AS-360	148.59	5.33
AS-361	151.77	5.33
AS-362	158.12	5.33
AS-363	164.47	5.33
AS-364	170.82	5.33
AS-365	177.17	5.33
AS-366	183.52	5.33
AS-367	189.87	5.33
AS-368	196.22	5.33
AS-369	202.57	5.33
AS-370	208.92	5.33
AS-371	215.27	5.33
AS-372	221.62	5.33
AS-373	227.97	5.33
AS-374	234.32	5.33
AS-375	240.67	5.33
AS-376	247.02	5.33
AS-377	253.37	5.33
AS-378	266.07	5.33
AS-379	278.77	5.33
AS-380	291.47	5.33
AS-381	304.17	5.33
AS-382	329.57	5.33
AS-383	354.97	5.33
AS-384	380.37	5.33
AS-385	405.26	5.33
AS-386	430.66	5.33
AS-387	456.06	5.33
AS-388	481.46	5.33
AS-389	506.86	5.33
AS-390	532.26	5.33
AS-391	557.66	5.33

AS-269	221.84	3.53
AS-270	228.19	3.53
NO.	ID (mm)	CS (mm)
CS (mm) 6.99		
AS-400	34.29	6.99
AS-401	37.47	6.99
AS-402	40.64	6.99
AS-403	43.82	6.99
AS-404	46.99	6.99
AS-405	50.17	6.99
AS-406	53.34	6.99
AS-407	56.52	6.99
AS-408	59.69	6.99
AS-409	62.87	6.99
AS-410	66.04	6.99
AS-411	69.22	6.99
AS-412	72.39	6.99
AS-413	75.57	6.99
AS-414	78.74	6.99
AS-415	81.92	6.99
AS-416	85.09	6.99
AS-417	88.27	6.99
AS-418	91.44	6.99
AS-419	94.62	6.99
AS-420	97.79	6.99
AS-421	100.97	6.99
AS-422	104.14	6.99
AS-423	107.32	6.99
AS-424	110.49	6.99
AS-425	113.67	6.99
AS-426	116.84	6.99
AS-427	120.02	6.99
AS-428	123.19	6.99
AS-429	126.37	6.99
AS-430	129.54	6.99
AS-431	132.72	6.99
AS-432	135.89	6.99
AS-433	139.07	6.99
AS-434	142.24	6.99
AS-435	145.42	6.99
AS-436	148.59	6.99
AS-437	151.77	6.99
AS-438	156.84	6.99
AS-439	164.12	6.99
AS-440	170.82	6.99
AS-441	177.17	6.99
AS-442	183.52	6.99
AS-443	189.87	6.99
AS-444	196.22	6.99

AS-342	91.44	5.33
AS-343	94.62	5.33
NO.	ID (mm)	CS (mm)
AS-451	278.77	6.99
AS-452	291.47	6.99
AS-453	304.17	6.99
AS-454	316.87	6.99
AS-455	329.57	6.99
AS-456	342.27	6.99
AS-457	354.97	6.99
AS-458	367.67	6.99
AS-459	380.37	6.99
AS-460	393.07	6.99
AS-461	405.26	6.99
AS-462	417.96	6.99
AS-463	430.66	6.99
AS-464	443.36	6.99
AS-465	456.06	6.99
AS-466	468.76	6.99
AS-467	481.46	6.99
AS-468	494.16	6.99
AS-469	506.86	6.99
AS-470	532.26	6.99
AS-471	557.66	6.99
AS-472	582.68	6.99
AS-473	608.08	6.99
AS-474	633.48	6.99
AS-475	658.88	6.99

AS-392	582.68	5.33
AS-393	608.08	5.33
AS-394	633.48	5.33
AS-395	658.88	5.33
NO.	ID (mm)	CS (mm)
AS-901	4.70	1.42
AS-902	6.07	1.63
AS-903	7.65	1.63
AS-904	8.92	1.83
AS-905	10.52	1.83
AS-906	11.89	1.98
AS-907	13.46	2.08
AS-908	16.36	2.21
AS-909	17.93	2.46
AS-910	19.18	2.46
AS-911	21.92	2.95
AS-912	23.47	2.95
AS-913	25.04	2.95
AS-914	26.59	2.95
AS-918	29.74	2.95
AS-916	34.42	2.95
AS-920	37.47	2.95
AS-924	43.69	3.00
AS-928	53.09	3.00
AS-932	59.36	3.00

AS-445	202.57	6.99
AS-446	215.27	6.99
AS-447	227.97	6.99
AS-448	240.67	6.99
AS-449	253.37	6.99
AS-450	266.07	6.99

O-Ring size

NO.	ID (mm)	CS (mm)
P003	2.80	1.90
P004	3.80	1.90
P005	4.80	1.90
P006	5.80	1.90
P007	6.80	1.90
P008	7.80	1.90
P009	8.80	1.90
P010	9.80	1.90
P010A	9.80	2.40
P011	10.80	2.40
P011.2	11.00	2.40
P012	11.80	2.40
P012.5	12.30	2.40
P014	13.80	2.40
P015	14.80	2.40
P016	15.80	2.40
P018	17.80	2.40
P020	19.80	2.40
P021	20.80	2.40
P022	21.80	2.40
P022A	21.70	3.50
P022.4	22.10	3.50
P024	23.70	3.50
P025	24.70	3.50
P025.5	25.20	3.50
P026	25.70	3.50
P028	27.70	3.50
P029	28.70	3.50
P029.5	29.20	3.50
P030	29.70	3.50
P031	30.70	3.50
P031.5	31.20	3.50
P032	31.70	3.50
P034	33.70	3.50
P035	34.70	3.50
P035.5	35.20	3.50
P036	35.70	3.50
P038	37.70	3.50
P039	38.70	3.50
P040	39.70	3.50
P041	40.70	3.50
P042	41.70	3.50
P044	43.70	3.50
P045	44.70	3.50
P046	45.70	3.50
P048	47.70	3.50
P049	48.70	3.50
P050	49.70	3.50
P048A	47.60	5.70
P050A	49.60	5.70
P052	51.60	5.70
P053	52.60	5.70
P062	61.60	5.70
P063	62.60	5.70
P065	64.60	5.70
P067	66.60	5.70
P070	69.60	5.70
P071	70.60	5.70
P075	74.60	5.70
P080	79.60	5.70
P085	84.60	5.70
P090	89.60	5.70
P095	94.60	5.70
P100	99.60	5.70
P102	101.60	5.70
P105	104.60	5.70
P110	109.60	5.70
P112	111.60	5.70
P115	114.60	5.70
P120	119.60	5.70
P125	124.60	5.70
P130	129.60	5.70
P132	131.60	5.70
P135	134.60	5.70
P140	139.60	5.70
P145	144.60	5.70
P150	149.60	5.70
P150A	149.50	5.70
P155	154.50	8.40
P160	159.50	8.40
P165	164.50	8.40
P170	169.50	8.40
P175	174.50	8.40
P180	179.50	8.40
P185	184.50	8.40
P190	189.50	8.40
P195	194.50	8.40
P200	199.50	8.40
P205	204.50	8.40
P209	208.50	8.40
P210	209.50	8.40
P215	214.50	8.40
P220	219.50	8.40
P225	224.50	8.40
P230	229.50	8.40
P235	234.50	8.40
P240	239.50	8.40
P245	244.50	8.40
P250	249.50	8.40
P255	254.50	8.40
P260	259.50	8.40
P265	264.50	8.40
P270	269.50	8.40
P275	274.50	8.40
P300	299.50	8.40
P315	314.50	8.40
P320	319.50	8.40
P335	334.50	8.40
P340	339.50	8.40
P355	354.50	8.40
P360	359.50	8.40
P375	374.50	8.40
P385	384.50	8.40
P400	399.50	8.40
G025	24.40	3.10
G030	29.40	3.10
G035	34.40	3.10
G040	39.40	3.10
G045	44.40	3.10
G050	49.40	3.10
G055	54.40	3.10
G060	59.40	3.10
G065	64.40	3.10
G070	69.40	3.10
G075	74.40	3.10
G080	79.40	3.10
G085	84.40	3.10
G090	89.40	3.10
G095	94.40	3.10
G100	99.40	3.10
G105	104.40	3.10
G110	109.40	3.10
G115	114.40	3.10
G120	119.40	3.10
G125	124.40	3.10
G130	129.40	3.10
G135	134.40	3.10
G140	139.40	3.10
G145	144.40	3.10
G150	149.30	5.70
G155	154.30	5.70
G160	159.30	5.70
G165	164.30	5.70
G170	169.30	5.70
G175	174.30	5.70
G180	179.30	5.70
G185	184.30	5.70
G190	189.30	5.70
G195	194.30	5.70
G200	199.30	5.70
G210	209.30	5.70
G220	219.30	5.70
G230	229.30	5.70
G240	239.30	5.70
G250	249.30	5.70
G260	259.30	5.70

P055	54.60	5.70
P056	55.60	5.70
P058	57.60	5.70
P060	59.60	5.70

P280	279.50	8.40
P285	284.50	8.40
P290	289.50	8.40
P295	294.50	8.40

G270	269.30	5.70
G280	279.30	5.70
G290	289.30	5.70
G300	299.30	5.70

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
S3	2.50	1.50
S4	3.50	1.50
S5	4.50	1.50
S6	5.50	1.50
S7	6.50	1.50
S8	7.50	1.50
S9	8.50	1.50
S10	9.50	1.50
S11.2	10.70	1.50
S12	11.50	1.50
S12.5	12.00	1.50
S14	13.50	1.50
S15	14.50	1.50
S16	15.50	1.50
S18	17.50	1.50
S20	19.50	1.50
S22	21.50	1.50
S22.4	21.90	2.00
S24	23.50	2.00
S25	24.50	2.00
S26	25.50	2.00
S28	27.50	2.00
S30	29.50	2.00
S31.5	31.00	2.00
S32	31.50	2.00
S34	33.50	2.00
S35	34.50	2.00
S35.5	35.00	2.00
S36	35.50	2.00
S38	37.50	2.00
S39	38.50	2.00
S40	39.50	2.00
S42	41.50	2.00
S44	43.50	2.00
S45	44.50	2.00
S46	45.50	2.00
S48	47.50	2.00
S50	49.50	2.00
S53	52.50	2.00
S55	54.50	2.00
S56	55.50	2.00
S60	59.50	2.00
S63	62.50	2.00
S65	64.50	2.00
S67	66.50	2.00
S70	69.50	2.00
S71	70.50	2.00
S75	74.50	2.00
S80	79.50	2.00
S85	84.50	2.00
S90	89.50	2.00
S95	94.50	2.00
S100	99.50	2.00
S105	104.50	2.00

NO.	ID (mm)	CS (mm)
S115	114.50	2.00
S120	119.50	2.00
S125	124.50	2.00
S130	129.50	2.00
S132	131.50	2.00
S135	134.50	2.00
S140	139.50	2.00
S145	144.50	2.00
S150	149.50	2.00

O-Ring Overall Dimensions

NO.	ID (mm)	CS (mm)
M	0.50	0.50
M	0.50	1.00
M	0.60	0.50
M	0.70	0.50
A-001	0.74	1.02
M	0.80	0.50
M	0.80	1.00
M	1.00	0.50
M	1.00	1.00
M	1.00	2.00
A-002	1.07	1.27
A-102	1.24	2.62
A-003	1.42	1.53
M	1.50	0.50
M	1.50	1.00
M	1.50	1.50
M	1.50	2.00
A-004	1.78	1.78
C92	1.80	1.80
M	2.00	0.50
M	2.00	1.00
M	2.00	1.50
C92	2.00	1.80
M	2.00	2.00
A-103	2.06	2.62
C92	2.24	1.80
R-0	2.40	1.90
M	2.50	0.50
M	2.50	1.00
M	2.50	1.50
S3	2.50	1.50
C92	2.50	1.80
A-005	2.57	1.78
R-1	2.60	1.90
C92	2.80	1.80
P3	2.80	1.90
A-104	2.84	2.62
A-006	2.90	1.78
B-1	2.90	1.78
M	3.00	0.50

NO.	ID (mm)	CS (mm)
M	3.00	1.00
M	3.00	1.50
M	3.00	2.00
M	3.00	3.00
C92	3.15	1.80
R-2	3.40	1.90
M	3.50	1.00
M	3.50	1.50
S4	3.50	1.50
M	3.50	2.00
C92	3.55	1.80
A-105	3.63	2.62
A-007	3.68	1.78
B-2	3.68	1.78
C92	3.75	1.80
P4	3.80	1.90
M	4.00	0.50
M	4.00	1.00
M	4.00	1.50
C92	4.00	1.80
M	4.00	2.00
M	4.00	2.50
M	4.00	3.00
M	4.00	4.00
R-3	4.20	1.90
A-201	4.34	3.53
A-106	4.42	2.62
A-008	4.47	1.78
B-3	4.47	1.78
M	4.50	1.00
M	4.50	1.50
S5	4.50	1.50
C92	4.50	1.80
M	4.50	2.00
A-901	4.70	1.42
P5	4.80	1.90
C92	4.87	1.80
R-4	4.90	1.90
M	5.00	0.50
M	5.00	1.00
M	5.00	1.50
C92	5.00	1.80
M	5.00	2.00
M	5.00	2.50
M	5.00	3.00
M	5.00	5.00
C92	5.15	1.80
A-107	5.23	2.62
A-009	5.28	1.78
B-4	5.28	1.78
C92	5.30	1.80
M	5.50	1.50
S6	5.50	1.50
C92	5.60	1.80

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
S110	109.50	2.00
S112	111.50	2.00
A-202	5.94	3.53
M	6.00	1.00
M	6.00	1.50
C92	6.00	1.80
M	6.00	2.00
M	6.00	2.50
M	6.00	3.00
M	6.00	5.00
M	6.00	6.00
A-108	6.07	2.62
A-902	6.07	1.63
A-010	6.07	1.78
B-5	6.07	1.78
C92	6.30	1.80
R-05a	6.40	1.90
M	6.50	1.00
M	6.50	1.50
S7	6.50	1.50
M	6.50	2.00
M	6.50	3.00
C92	6.70	1.80
P7	6.80	1.90
C92	6.90	1.80
M	7.00	0.50
M	7.00	1.00
M	7.00	1.50
M	7.00	2.00
M	7.00	2.50
M	7.00	3.00
C92	7.10	1.80
C92	7.10	2.65
R-6	7.20	1.90
S8	7.50	1.50
C92	7.50	1.80
M	7.50	2.00
M	7.50	2.50
C92	7.50	2.65
A-203	7.52	3.53
A-109	7.60	2.62
A-903	7.65	1.63
A-011	7.65	1.78
B-6	7.65	1.78
P8	7.80	1.90
M	8.00	0.50
M	8.00	1.00
M	8.00	1.50
C92	8.00	1.80
R-06a	8.00	1.90

NO.	ID (mm)	CS (mm)
M	8.00	4.00
M	8.00	5.00
M	8.50	0.50
M	8.50	1.00
M	8.50	1.50
S9	8.50	1.50
S92	8.50	1.80
M	8.50	2.00
M	8.50	2.50
C92	8.50	2.65
C92	8.75	1.80
C92	8.75	2.65
P9	8.80	1.90
R-7	8.90	1.90
R-8	8.90	2.70
A-904	8.92	1.83
M	9.00	0.50
M	9.00	1.00
M	9.00	1.50
C92	9.00	1.80
M	9.00	2.00
M	9.00	2.50
C92	9.00	2.65
M	9.00	3.00
M	9.00	4.00
M	9.00	4.50
A-204	9.12	3.53
A-110	9.19	2.62
B-8	9.19	2.62
A-012	9.25	1.78
B-7	9.25	1.78
M	9.50	1.00
S10	9.50	1.50
C92	9.50	1.80
M	9.50	2.00
C92	9.50	2.65
P10	9.80	1.90
P10A	9.80	2.40
M	10.00	1.00
M	10.00	1.50
C92	10.00	1.80
M	10.00	2.00
M	10.00	2.50
C92	10.00	2.65
M	10.00	3.00
M	10.00	4.00
M	10.00	5.00
A-309	10.46	5.33

NO.	ID (mm)	CS (mm)
R-5	5.70	1.90
P6	5.80	1.90
C92	10.60	2.65
A-205	10.69	3.53
S11.2	10.70	1.50
A-111	10.77	2.62
B-9	10.77	2.62
P11	10.80	2.40
A-013	10.82	1.78
M	11.00	1.00
M	11.00	1.50
M	11.00	2.00
P11.2	11.00	2.40
M	11.00	2.50
M	11.00	3.00
M	11.00	4.00
C92	11.20	1.80
C92	11.20	2.65
M	11.50	1.50
S12.5	11.50	1.50
M	11.50	2.00
M	11.50	2.50
M	11.50	3.00
C92	11.80	1.80
P12	11.80	2.40
C92	11.80	2.65
A-906	11.89	1.98
M	12.00	1.00
M	12.00	1.50
S13	12.00	1.50
M	12.00	2.00
M	12.00	2.50
M	12.00	3.00
M	12.00	3.50
M	12.00	4.00
M	12.00	5.00
A-310	12.07	5.33
R-10	12.10	2.70
A-206	12.29	3.53
P12.5	12.30	2.40
A-112	12.37	2.62
B-10	12.37	2.62
A-014	12.42	1.78
M	12.50	1.50
C92	12.50	1.80
M	12.50	2.00
M	12.50	2.50
C92	12.50	2.65
M	13.00	1.00
M	13.00	1.50

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
M	8.00	2.00
M	8.00	2.50
C92	8.00	2.65
M	8.00	3.00
C92	13.20	2.65
A-907	13.47	2.08
S14	13.50	1.50
R-11	13.60	2.70
A-311	13.64	5.33
P14	13.80	2.40
A-207	13.87	3.53
A-113	13.94	2.62
B-11	13.94	2.62
M	14.00	1.00
M	14.00	1.50
A-015	14.00	1.78
C92	14.00	1.80
M	14.00	2.00
M	14.00	2.50
C92	14.00	2.65
M	14.00	3.00
M	14.00	4.00
M	14.50	0.40
M	14.50	0.50
M	14.50	0.60
M	14.50	0.70
M	14.50	0.80
S15	14.50	1.50
V15	14.50	4.00
P15	14.80	2.40
M	15.00	0.40
M	15.00	0.50
M	15.00	0.60
M	15.00	0.70
M	15.00	0.80
M	15.00	1.00
M	15.00	1.50
C92	15.00	1.80
M	15.00	2.00
M	15.00	2.50
C92	15.00	2.65
M	15.00	3.00
M	15.00	3.50
M	15.00	4.00
M	15.00	5.00
R-12	15.10	2.70
A-312	15.24	5.33
A-208	15.47	3.53
M	15.50	0.40
M	15.50	0.50
M	10.50	1.50
R-9	10.50	2.70
A-905	10.52	1.83
C92	10.60	1.80
A-016	15.60	1.78
P16	15.80	2.40
M	16.00	0.40
M	16.00	0.50
M	16.00	0.60
M	16.00	0.70
M	16.00	0.80
M	16.00	1.00
M	16.00	1.50
C92	16.00	1.80
M	16.00	2.00
M	16.00	2.50
C92	16.00	2.65
M	16.00	3.00
M	16.00	4.00
M	16.00	4.50
M	16.00	5.00
A-908	16.36	2.21
M	16.50	0.40
M	16.50	0.50
M	16.50	0.60
M	16.50	0.70
M	16.50	0.80
A-313	16.81	5.33
R13	16.90	2.70
M	17.00	0.40
M	17.00	0.50
M	17.00	0.60
M	17.00	0.70
M	17.00	0.80
M	17.00	1.00
M	17.00	1.50
C92	17.00	1.80
M	17.00	2.00
M	17.00	2.50
C92	17.00	2.65
M	17.00	4.00
A-209	17.04	3.53
A-115	17.12	2.62
B-13	17.12	2.62
A-017	17.17	1.78
M	17.50	0.40
M	17.50	0.50
M	17.50	0.60
M	17.50	0.70
M	17.50	0.80
M	13.00	2.00
M	13.00	2.50
M	13.00	3.00
C92	13.20	1.80
M	18.00	0.60
M	18.00	0.70
M	18.00	0.80
M	18.00	1.00
M	18.00	1.50
S92	18.00	1.80
M	18.00	2.00
M	18.00	2.50
C92	18.00	2.65
M	18.00	3.00
M	18.00	3.50
C92	18.00	3.55
M	18.00	5.00
M	18.00	6.00
R-15	18.30	3.60
R-14	18.40	2.70
A-314	18.42	5.33
M	18.50	0.40
M	18.50	0.50
M	18.50	0.60
M	18.50	0.70
M	18.50	0.80
A-210	18.64	3.53
B-15	18.64	3.53
A-116	18.72	2.62
B-14	18.72	2.62
A-018	18.77	1.78
M	19.00	0.40
M	19.00	0.50
M	19.00	0.60
M	19.00	0.70
M	19.00	0.80
M	19.00	1.00
M	19.00	1.50
C92	19.00	1.80
M	19.00	2.00
M	19.00	2.50
C92	19.00	2.65
M	19.00	3.00
C92	19.00	3.55
M	19.00	4.00
A-910	19.18	2.46
G20	19.40	3.10
M	19.50	0.40
M	19.50	0.50
M	19.50	0.60

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
M	15.50	0.60
M	15.50	0.70
M	15.50	0.80
S16	15.50	1.50
A-114	15.54	2.62
B-12	15.54	2.62
M	20.00	0.40
M	20.00	0.50
M	20.00	0.60
M	20.00	0.70
M	20.00	0.80
M	20.00	1.00
M	20.00	1.50
C92	20.00	1.80
M	20.00	2.00
M	20.00	2.50
C92	20.00	2.65
M	20.00	3.00
C92	20.00	3.55
M	20.00	4.00
M	20.00	4.50
M	20.00	6.00
A-211	20.22	3.53
B-16	20.22	3.53
A-117	20.29	2.62
A-019	20.35	1.78
M	20.50	0.40
M	20.50	0.50
M	20.50	0.60
M	20.50	0.70
M	20.50	0.80
P21	20.80	2.40
M	21.00	0.40
M	21.00	0.50
M	21.00	0.60
M	21.00	0.70
M	21.00	0.80
M	21.00	1.00
M	21.00	1.50
M	21.00	2.00
M	21.00	2.50
M	21.00	3.00
M	21.00	3.50
M	21.00	4.00
C92	21.20	1.80
C92	21.20	2.65
C92	21.20	3.55
R-17	21.30	3.60
M	21.50	0.40
M	21.50	0.50
S18	17.50	1.50
M	17.50	2.00
P18	17.80	2.40
A909	17.94	2.46
M	18.00	0.40
M	18.00	0.50
A-212	21.82	3.53
B-17	21.82	3.53
A-118	21.89	2.62
S22.4	21.90	2.00
A-911	21.92	2.95
A-020	21.95	1.78
M	22.00	0.40
M	22.00	0.50
M	22.00	0.60
M	22.00	0.70
M	22.00	0.80
M	22.00	1.00
M	22.00	1.50
M	22.00	2.00
M	22.00	2.50
M	22.00	3.00
M	22.00	4.00
M	22.00	5.00
P22.4	22.10	3.50
C92	22.40	1.80
C92	22.40	2.65
C92	22.40	3.55
M	22.50	0.40
M	22.50	0.50
M	22.50	0.60
M	22.50	0.70
M	22.50	0.80
M	23.00	0.40
M	23.00	0.50
M	23.00	0.60
M	23.00	0.70
M	23.00	0.80
M	23.00	1.00
M	23.00	1.50
M	23.00	2.00
M	23.00	2.50
M	23.00	3.00
R-18	23.00	3.60
M	23.00	4.00
M	23.00	5.00
A-317	23.16	5.33
A-213	23.39	3.53
B-18	23.39	3.53
A-119	23.47	2.62
M	19.50	0.70
M	19.50	0.80
S20	19.50	1.50
P20	19.80	2.40
R-16	19.80	3.60
A-315	19.99	5.33
A-021	23.52	1.78
C92	23.60	1.80
C92	23.60	2.65
C92	23.60	3.55
P24	23.70	3.50
M	24.00	0.40
M	24.00	0.50
M	24.00	0.60
M	24.00	0.70
M	24.00	0.80
M	24.00	1.00
M	24.00	1.50
M	24.00	2.00
M	24.00	2.50
M	24.00	3.00
M	24.00	3.50
M	24.00	4.00
M	24.00	5.50
G25	24.40	3.10
M	24.50	0.40
M	24.50	0.50
M	24.50	0.60
M	24.50	0.70
M	24.50	0.80
S25	24.50	2.00
R-19	24.60	3.60
P25	24.70	3.50
A-318	24.77	5.33
B-19	24.99	3.53
M	25.00	0.40
M	25.00	0.50
M	25.00	0.60
M	25.00	0.70
M	25.00	0.80
M	25.00	1.50
C92	25.00	1.80
M	25.00	2.00
M	25.00	2.50
C92	25.00	2.65
M	25.00	3.00
A-214	25.00	3.53
C92	25.00	3.55
M	25.00	4.00
M	25.00	5.00

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
M	21.50	0.60
M	21.50	0.70
M	21.50	0.80
S22	21.50	1.50
A-316	21.59	5.33
P22A	21.70	3.50
P22	21.80	2.40
G22	21.80	3.10
M	25.50	0.70
M	25.50	0.80
S26	25.50	2.00
P26	25.70	3.50
C92	25.80	1.80
C92	25.80	2.65
C92	25.80	3.55
M	26.00	0.40
M	26.00	0.50
M	26.00	0.60
M	26.00	0.70
M	26.00	0.80
M	26.00	1.00
M	26.00	1.50
M	26.00	2.00
M	26.00	2.50
M	26.00	3.00
M	26.00	3.50
M	26.00	4.00
M	26.00	5.00
R-20	26.20	3.60
A-319	26.34	5.33
M	26.50	0.40
M	26.50	0.50
M	26.50	0.60
M	26.50	0.70
M	26.50	0.80
C92	26.50	1.80
C92	26.50	2.65
C92	26.50	3.55
A-215	26.57	3.53
B-20	26.57	3.53
A-914	26.60	2.95
A-121	26.64	2.62
A-023	26.70	1.78
M	27.00	0.40
M	27.00	0.50
M	27.00	0.60
M	27.00	0.70
M	27.00	0.80
M	27.00	1.50
M	27.00	2.00
A-912	23.47	2.95
M	23.50	0.40
M	23.50	0.50
M	23.50	0.60
M	23.50	0.70
M	23.50	0.80
S24	23.50	2.00
V24	23.50	4.00
P28	27.70	3.50
R-21	27.80	3.60
A-320	27.94	5.33
M	28.00	0.40
M	28.00	0.50
M	28.00	0.60
M	28.00	0.70
M	28.00	0.80
M	28.00	1.00
M	28.00	1.50
C92	28.00	1.80
M	28.00	2.00
M	28.00	2.50
C92	28.00	2.65
M	28.00	3.00
C92	28.00	3.55
M	28.00	4.00
M	28.00	5.00
A-216	28.17	3.53
B-21	28.17	3.53
A-122	28.24	2.62
A-204	28.30	1.78
M	28.50	0.40
M	28.50	0.50
M	28.50	0.60
M	28.50	0.70
M	28.50	0.80
S29	28.50	2.00
P29	28.70	3.50
M	29.00	0.40
M	29.00	0.50
M	29.00	0.60
M	29.00	0.70
M	29.00	0.80
M	29.00	2.50
M	29.00	5.00
P29.5	29.20	3.50
R-22	29.30	3.60
G30	29.40	3.10
M	29.50	0.40
M	29.50	0.50
M	29.50	0.60
M	25.00	6.00
A-913	25.04	2.95
A-120	25.07	2.62
A-022	25.12	1.78
P25.5	25.20	3.50
M	25.50	0.40
M	25.50	0.50
M	25.50	0.60
M	30.00	0.40
M	30.00	0.50
M	30.00	0.60
M	30.00	0.70
M	30.00	0.80
M	30.00	1.00
M	30.00	1.50
C92	30.00	1.80
M	30.00	2.00
M	30.00	2.50
C92	30.00	2.65
M	30.00	3.00
C92	30.00	3.55
M	30.00	4.00
M	30.00	5.00
M	30.00	6.00
M	30.50	0.40
M	30.50	0.50
M	30.50	0.60
M	30.50	0.70
M	30.50	0.80
P31	30.70	3.50
R-23	30.80	3.60
M	31.00	0.40
M	31.00	0.50
M	31.00	0.60
M	31.00	0.70
M	31.00	0.80
M	31.00	2.00
S31.5	31.00	2.00
M	31.00	2.50
M	31.00	3.00
A-322	31.12	5.33
P31.5	31.20	3.50
A-218	31.34	3.53
B-23	31.34	3.53
A-124	31.42	2.62
A-026	31.47	1.78
M	31.50	0.40
M	31.50	0.50
M	31.50	0.60
M	31.50	0.70

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
M	27.00	2.50
M	27.00	3.00
M	27.00	4.00
M	27.00	5.00
M	27.50	0.40
M	27.50	0.50
M	27.50	0.60
M	27.50	0.70
M	27.50	0.80
S28	27.50	2.00
M	32.00	0.80
M	32.00	1.50
M	32.00	2.00
M	32.00	2.50
M	32.00	3.00
M	32.00	4.00
M	32.00	5.00
C92	32.50	1.80
C92	32.50	2.65
C92	32.50	3.55
R-24	32.50	3.60
A-323	32.69	5.33
A-219	32.92	3.53
B-24	32.92	3.53
A-125	32.99	2.62
M	33.00	1.50
M	33.00	2.00
M	33.00	2.50
M	33.00	3.00
A-027	33.05	1.78
C92	33.50	1.80
S34	33.50	2.00
C92	33.50	2.65
C92	33.50	3.55
V34	33.50	4.00
P34	33.70	3.50
M	34.00	2.00
M	34.00	4.00
R-25	34.10	3.60
A-324	34.29	5.33
G35	34.40	3.10
A-918	34.42	2.95
C92	34.50	1.80
S35	34.50	2.00
C92	34.50	2.65
C92	34.50	3.55
V36	34.50	4.00
A-220	34.52	3.53
B-25	34.52	3.53
A-126	34.59	2.62
M	29.50	0.70
M	29.50	0.80
S30	29.50	2.00
A-321	29.51	5.33
P30	29.70	3.50
A-916	29.74	2.95
A-217	29.74	3.53
B-22	29.74	3.53
A-123	29.82	2.62
A-025	29.87	1.78
C92	35.50	2.65
C92	35.50	3.55
R-26	35.60	3.60
P36	35.70	3.50
M	36.00	1.50
M	36.00	2.00
M	36.00	2.50
M	36.00	3.00
M	36.00	4.00
M	36.00	5.00
A-221	36.09	3.53
B-26	36.09	3.53
A-127	36.17	2.62
C92	36.50	1.80
C92	36.50	2.65
C92	36.50	3.55
M	37.00	2.00
M	37.00	2.50
M	37.00	3.00
M	37.00	4.00
R-27	37.30	3.60
A-920	37.46	3.00
B-28	37.46	5.33
A-325	37.47	5.33
R-28	37.47	5.33
A-401	37.47	6.99
C92	37.50	1.80
S38	37.50	2.00
C92	37.50	2.65
C92	37.50	3.55
A-222	37.69	3.53
B-27	37.69	3.53
P38	37.70	3.50
A-128	37.77	2.62
A-029	37.82	1.78
M	38.00	2.00
M	38.00	2.50
M	38.00	3.00
M	38.00	4.00
M	38.00	4.50
M	31.50	0.80
C92	31.50	1.80
S32	31.50	2.00
C92	31.50	2.65
C92	31.50	3.55
P32	31.70	3.50
M	32.00	0.40
M	32.00	0.50
M	32.00	0.60
M	32.00	0.70
V40	39.50	4.00
P40	39.70	3.50
C92	40.00	1.80
M	40.00	2.00
M	40.00	2.50
C92	40.00	2.65
M	40.00	3.00
M	40.00	3.50
C92	40.00	3.55
M	40.00	4.00
M	40.00	5.00
C92	40.00	5.30
M	40.00	5.50
M	40.00	6.00
A-326	40.64	5.33
B-29	40.64	5.33
R-29	40.64	5.33
A-402	40.64	6.99
P41	40.70	3.50
A-223	40.84	3.53
A-130	40.94	2.62
A-030	41.00	1.78
M	41.00	3.00
M	41.00	4.00
C92	41.20	1.80
C92	41.20	2.65
C92	41.20	3.55
C92	41.20	5.30
S42	41.50	2.00
P42	41.70	3.50
M	42.00	1.00
M	42.00	2.00
M	42.00	2.50
M	42.00	3.00
M	42.00	3.50
M	42.00	4.00
M	42.00	5.00
C92	42.50	1.80
C92	42.50	2.65
C92	42.50	3.55

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
A-028	34.65	1.78
P35	34.70	3.50
M	35.00	1.50
M	35.00	1.50
S35.5	35.00	2.00
M	35.00	2.50
M	35.00	3.00
M	35.00	4.00
M	35.00	5.00
P35.5	35.20	3.50
C92	35.50	1.80
S36	35.50	2.00
C92	43.70	5.30
A-327	43.82	5.33
B-30	43.82	5.33
R-30	43.82	5.33
A-403	43.82	6.99
M	44.00	2.00
M	44.00	2.50
M	44.00	3.00
M	44.00	4.00
M	44.00	5.00
A-224	44.04	3.53
A-132	44.12	2.62
A-031	44.17	1.78
G45	44.40	3.10
S45	44.50	2.00
P45	44.70	3.50
M	45.00	1.50
C92	45.00	1.80
M	45.00	2.00
M	45.00	2.50
C92	45.00	2.65
M	45.00	3.00
M	45.00	3.50
C92	45.00	3.55
M	45.00	4.00
M	45.00	4.50
M	45.00	5.00
C92	45.00	5.30
M	45.00	5.50
C46	45.50	2.00
A-133	45.69	2.62
P46	45.70	3.50
M	46.00	2.00
M	46.00	2.50
M	46.00	3.00
M	46.00	3.50
M	46.00	4.00
M	46.00	5.00

NO.	ID (mm)	CS (mm)
M	38.00	7.00
S92	38.50	2.00
C92	38.70	1.80
C92	38.70	2.65
P39	38.70	3.50
C92	39.00	3.55
M	39.00	2.00
M	39.00	2.50
M	39.00	3.00
A-129	39.34	2.62
G40	39.40	3.10
S40	39.50	2.00
A-032	47.35	1.78
C92	47.50	1.80
S48	47.50	2.00
C92	47.50	2.62
C92	47.50	3.55
C92	47.50	5.30
P48A	47.60	5.70
P48	47.70	3.50
M	48.00	2.00
M	48.00	2.50
M	48.00	3.00
M	48.00	4.00
M	48.00	5.00
M	48.00	6.00
C92	48.70	1.80
C92	48.70	2.62
P49	48.70	3.50
C92	48.70	3.55
C92	48.70	5.30
A-135	48.79	2.62
M	49.00	2.50
M	49.00	3.00
M	49.00	3.50
G50	49.40	3.10
S50	49.50	2.00
M	49.50	3.00
P50A	49.60	5.70
P50	49.70	3.50
C92	50.00	1.80
M	50.00	2.00

O-Ring Overall Specification Table

M	50.00	2.50
C92	50.00	2.65
M	50.00	3.00
C92	50.00	3.55
M	50.00	4.00
M	50.00	4.50

NO.	ID (mm)	CS (mm)
C92	42.50	5.30
A-131	42.52	2.62
M	43.00	2.00
M	43.00	2.50
M	43.00	3.00
M	43.00	3.50
S44	43.50	2.00
A-924	43.68	3.00
C92	43.70	1.80
C92	43.70	2.65
P44	43.70	3.50
C92	43.70	3.55
C92	51.50	5.30
P52	51.60	5.70
M	52.00	1.50
M	52.00	2.00
M	52.00	3.00
M	52.00	3.50
M	52.00	4.00
M	52.00	5.00
A-137	52.07	2.62
S53	52.50	2.00
P53	52.60	5.70
M	53.00	1.50
M	53.00	2.00
M	53.00	2.50
C92	53.00	2.65
M	53.00	3.00
C92	53.00	3.55
M	53.00	5.00
C92	53.00	5.30
M	53.00	6.00
A-928	53.09	3.00
A-330	53.34	5.33
B-33	53.34	5.33
R-33	53.34	5.33
A-406	53.34	6.99
A-227	53.57	3.53
A-138	53.64	2.62
A-034	53.70	1.78
M	54.00	2.50
M	54.00	3.00
M	54.00	4.00
M	54.00	5.00
G55	54.40	3.10
S55	54.50	2.00
C92	54.50	2.65
C92	54.50	3.55
V55	54.50	4.00
C92	54.50	5.30

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
C92	46.20	1.80
C92	46.20	2.65
C92	46.20	3.55
C92	46.20	5.30
A-328	46.99	5.33
B-31	46.99	5.33
A-404	46.99	6.99
M	47.00	2.50
M	47.00	3.00
M	47.00	4.00
M	47.00	5.00
R-31	47.00	5.33
A-225	47.22	3.53
A-134	47.29	2.62
C92	56.00	3.55
M	56.00	4.00
C92	56.00	5.30
A-331	56.52	5.33
B-34	56.52	5.33
R-34	56.52	5.33
A-407	56.52	6.99
A-228	56.74	3.53
A-140	56.82	2.62
A-035	56.87	1.78
M	57.00	1.50
M	57.00	2.00
M	57.00	2.50
M	57.00	3.00
M	57.00	4.00
M	57.00	5.00
P58	57.60	5.70
M	58.00	2.00
M	58.00	2.50
C92	58.00	2.65
M	58.00	3.00
C92	58.00	3.55
M	58.00	4.00
M	58.00	5.00
C92	58.00	5.30
A-141	58.42	2.62
M	59.00	3.00
A-932	59.36	3.00
G60	59.40	3.10
S60	59.50	2.00
P60	59.60	5.70
A-332	59.69	5.33
B-35	59.69	5.34
R-35	59.69	5.34
A-408	59.69	6.99
A-229	59.92	3.53
M	50.00	5.00
C92	50.00	5.30
M	50.00	6.00
B-32	50.16	5.33
R-32	50.16	5.33
A-405	50.16	6.99
A-329	50.17	5.33
A-226	50.39	3.53
A-136	50.47	2.62
A-033	50.52	1.78
M	51.00	2.50
M	51.00	3.00
C92	51.50	2.65
C92	51.50	3.55
C92	61.50	5.30
A-143	61.60	2.62
P62	61.60	5.70
M	62.00	2.00
M	62.00	2.50
M	62.00	3.00
M	62.00	4.00
M	62.00	5.00
M	62.00	6.00
S63	62.50	2.00
P63	62.60	5.70
A-333	62.87	5.33
B-36	62.87	5.33
R-36	62.87	5.33
A-409	62.87	6.99
M	63.00	2.00
M	63.00	2.50
C92	63.00	2.65
M	63.00	3.00
C92	63.00	3.55
C92	63.00	5.30
A-230	63.09	3.53
A-144	63.17	2.62
A-037	63.22	1.78
M	64.00	3.00
M	64.00	3.50
M	64.00	4.00
M	64.00	5.00
G65	64.40	3.10
S65	64.50	2.00
P65	64.60	5.70
A-145	64.77	2.62
M	65.00	1.50
C92	65.00	1.80
M	65.00	2.00
M	65.00	2.50
P55	54.60	5.70
M	55.00	2.00
M	55.00	2.50
M	55.00	3.00
M	55.00	3.50
M	55.00	4.00
M	55.00	5.00
M	55.00	6.00
A-139	55.25	2.62
S56	55.50	2.00
P56	55.60	5.70
M	56.00	2.00
C92	56.00	2.65
M	56.00	3.00
A-038	66.40	1.78
S67	66.50	2.00
P67	66.60	5.70
M	67.00	1.50
M	67.00	2.00
M	67.00	2.50
C92	67.00	2.65
M	67.00	3.00
C92	67.00	3.55
M	67.00	4.00
C92	67.00	5.30
A-147	67.95	2.62
M	68.00	2.00
M	68.00	3.00
M	68.00	4.00
M	68.00	5.00
M	68.00	7.00
C92	69.00	2.65
M	69.00	3.00
C92	69.00	3.55
V70	69.00	4.00
C92	69.00	5.30
A-335	69.22	5.33
B-38	69.22	5.33
R-38	69.22	5.33
A-411	69.22	6.99
G-70	69.40	3.10
A-232	69.44	3.53
S70	69.50	2.00
A-148	69.52	2.62
A-039	69.57	1.78
P70	69.60	5.70
M	70.00	2.00
M	70.00	2.50
M	70.00	3.00
M	70.00	4.00

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
A-142	59.99	2.62
M	60.00	1.50
M	60.00	2.00
M	60.00	2.50
C92	60.00	2.65
M	60.00	3.00
M	60.00	3.50
C92	60.00	3.55
M	60.00	4.00
M	60.00	4.50
M	60.00	5.00
C92	60.00	5.30
M	60.00	7.00
A-036	60.05	1.78
C92	61.50	2.65
C92	61.50	3.55
A-336	72.39	5.33
B-39	72.39	5.33
R-39	72.39	5.33
A-412	72.39	6.99
A-233	72.62	3.53
A-150	72.69	2.62
A-040	72.75	1.78
M	73.00	2.50
C92	73.00	2.65
M	73.00	3.00
C92	73.00	3.55
M	73.00	5.00
C92	73.00	5.30
M	74.00	2.00
M	74.00	3.00
M	74.00	4.00
C92	74.40	2.65
G75	74.40	3.10
S75	74.50	2.00
P75	74.60	5.70
M	75.00	2.50
C92	75.00	2.65
M	75.00	3.00
M	75.00	3.50
C92	75.00	3.55
M	75.00	4.00
M	75.00	5.00
C92	75.00	5.30
M	76.00	6.00
A-337	75.57	5.33
B-40	75.57	5.33
R-40	75.57	5.33
A-413	75.57	6.99
A-234	75.59	3.53

NO.	ID (mm)	CS (mm)
C92	65.00	2.65
M	65.00	3.00
M	65.00	3.50
C92	65.00	3.55
M	65.00	4.00
M	65.00	4.50
M	65.00	5.00
C92	65.00	5.30
M	66.00	2.00
M	66.00	3.00
A-334	66.04	5.33
B-37	66.04	5.33
R-37	66.04	5.33
A-410	66.04	6.99
A-231	66.27	3.53
A-146	66.34	2.62
M	79.00	3.00
M	79.00	7.00
G80	79.40	3.10
S80	79.50	2.00
M	79.50	3.00
P80	79.60	5.70
M	80.00	2.00
M	80.00	2.50
C92	80.00	2.65
M	80.00	3.00
M	80.00	3.50
C92	80.00	3.55
M	80.00	4.00
M	80.00	5.00
C92	80.00	5.30
M	80.00	6.00
M	80.00	8.00
A-339	81.92	5.33
B-42	81.92	5.33
R-42	81.92	5.33
A-415	81.92	6.99
M	82.00	3.00
M	82.00	4.00
M	82.00	5.00
A-236	82.14	3.53
A-152	82.22	2.62
A-042	82.27	1.78
C92	82.50	3.55
C92	82.50	5.30
M	83.00	3.50
M	84.00	2.00
M	84.00	3.50
M	84.00	4.00
V85	84.00	4.00

NO.	ID (mm)	CS (mm)
M	70.00	4.50
M	70.00	5.00
M	70.00	8.00
S71	70.50	2.00
P71	70.60	5.70
C92	71.00	2.65
M	71.00	3.00
C92	71.00	3.55
C92	71.00	5.30
A-149	71.12	2.62
M	72.00	1.50
M	72.00	2.00
M	72.00	2.50
M	72.00	3.00
M	72.00	4.00
M	72.00	5.00
M	86.00	4.00
M	86.00	5.00
C92	87.50	3.55
C92	87.50	5.30
M	88.00	3.00
M	88.00	4.00
M	88.00	5.00
M	88.00	6.00
A-341	88.27	5.33
B-44	88.27	5.33
R-44	88.27	5.33
A-417	88.27	6.99
A-238	88.49	3.53
A-153	88.57	2.62
A-043	88.62	1.78
M	89.00	2.50
G90	89.40	3.10
S90	89.50	2.00
P90	89.60	5.70
M	90.00	2.00
M	90.00	2.50
C92	90.00	2.65
M	90.00	3.00
C92	90.00	3.55
M	90.00	4.00
M	90.00	5.00
C92	90.00	5.30
M	91.00	7.00
A-342	91.44	5.33
B-45	91.44	5.33
R-45	91.44	5.33
A-418	91.44	6.99
A-239	91.67	3.53
M	92.00	3.00

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
A-151	75.87	2.62
A-041	75.92	1.78
M	76.00	2.00
M	76.00	2.50
M	76.00	3.00
M	76.00	4.00
M	76.00	4.50
C92	77.50	3.55
C92	77.50	5.30
M	78.00	2.00
M	78.00	3.00
M	78.00	4.00
M	78.00	5.00
A-338	78.74	5.33
B-41	78.74	5.33
R-41	78.74	5.33
A-414	78.74	6.99
A-235	78.97	3.53
A-044	94.97	1.78
M	95.00	2.00
M	95.00	2.50
C92	95.00	2.65
M	95.00	3.00
C92	95.00	3.55
M	95.00	4.00
M	95.00	4.50
M	95.00	5.00
C92	95.00	5.30
M	95.00	6.00
M	96.00	3.00
M	96.00	4.00
M	97.00	5.00
C92	97.50	3.55
C92	97.50	5.30
A-344	97.79	5.33
B-47	97.79	5.33
R-47	97.79	5.33
A-420	97.79	6.99
M	98.00	3.00
M	98.00	4.00
A-241	98.02	3.53
V100	99.00	4.00
G100	99.40	3.10
S100	99.50	2.00
P100	99.60	5.70
M	100.00	1.00
M	100.00	1.50
M	100.00	2.00
C92	100.00	2.65
M	100.00	3.00
G85	84.40	3.10
S85	84.50	2.00
P85	84.60	5.70
M	85.00	2.00
M	85.00	2.50
C92	85.00	2.65
M	85.00	3.00
C92	85.00	3.55
M	85.00	4.00
M	85.00	5.00
C92	85.00	5.30
A-340	85.09	5.33
B-43	85.09	5.33
R-43	85.09	5.33
A-416	85.09	6.99
A-237	85.32	3.53
M	86.00	2.00
M	86.00	3.00
C92	103.00	3.55
C92	103.00	5.30
M	103.00	6.00
M	104.00	3.00
M	104.00	4.00
M	104.00	5.00
M	104.00	6.00
A-346	104.14	5.33
B-49	104.14	5.33
R-49	104.14	5.33
A-422	104.14	6.99
A-243	104.37	3.53
G105	104.40	3.10
S105	104.50	2.00
M	104.50	3.00
P105	104.60	5.70
M	105.00	2.00
M	105.00	2.50
M	105.00	3.00
M	105.00	3.50
M	105.00	4.00
M	105.00	5.00
M	105.00	6.00
M	106.00	2.00
C92	106.00	2.65
M	106.00	3.00
C92	106.00	3.55
M	106.00	4.00
C92	106.00	5.30
M	106.00	7.00
M	107.00	2.50
M	107.00	5.00
M	92.00	4.00
M	92.00	5.00
C92	92.50	3.55
C92	92.50	5.30
M	93.00	3.00
M	93.00	4.00
M	94.00	2.50
M	94.00	3.00
M	94.00	4.00
G95	94.40	3.10
S95	94.50	2.00
P95	94.60	5.70
A-343	94.62	5.33
B-46	94.62	5.33
R-46	94.62	5.33
A-419	94.62	6.99
A-240	94.84	3.53
A-154	94.92	2.62
M	110.00	3.00
M	110.00	3.50
M	110.00	4.00
M	110.00	4.50
M	110.00	5.00
M	110.00	6.00
M	110.00	7.00
M	110.00	8.00
A-348	110.49	5.33
B-51	110.49	5.33
R-51	110.49	5.33
A-424	110.49	6.99
A-245	110.72	3.53
D112	111.50	2.00
P112	111.60	5.70
C92	112.00	2.65
M	112.00	3.00
C92	112.00	3.55
M	112.00	4.00
M	112.00	5.00
C92	112.00	5.30
C92	112.00	7.00
M	112.00	8.00
A-349	113.67	5.33
B-52	113.67	5.33
R-52	113.67	5.33
A-425	113.67	6.99
R-53	113.67	6.99
A-246	113.89	3.53
A-157	113.97	2.62
M	114.00	3.00
M	114.00	4.00

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
C92	100.00	3.55
M	100.00	4.00
M	100.00	5.00
C92	100.00	5.30
M	100.00	6.00
M	100.00	7.00
M	100.00	8.00
A-345	100.96	5.33
B-48	100.96	5.33
R-48	100.96	5.33
A-421	100.96	6.99
M	101.00	3.00
M	101.00	4.00
A-242	101.19	3.53
A-155	101.27	2.62
A-045	101.32	1.78
M	101.50	3.00
P102	101.60	5.70
M	102.00	3.00
M	102.00	4.00
A-426	116.84	6.99
B-53	116.84	6.99
R-54	116.84	6.99
M	117.00	4.00
M	117.00	7.00
A-247	117.07	3.53
M	118.00	2.00
C92	118.00	2.65
M	118.00	3.00
C92	118.00	3.55
M	118.00	4.00
M	118.00	4.50
M	118.00	5.00
C92	118.00	5.30
M	118.00	6.00
C92	118.00	7.00
M	119.00	3.00
V120	119.00	4.00
G120	119.40	3.10
S120	119.50	2.00
P120	119.60	5.70
M	120.00	2.00
M	120.00	2.50
M	120.00	3.00
M	120.00	3.50
M	120.00	4.00
M	120.00	4.50
M	120.00	5.00
A-351	120.02	5.33
A-427	120.02	6.99
A-347	107.32	5.33
B-50	107.32	5.33
R-50	107.32	5.33
A-423	107.32	6.99
A-244	107.54	3.53
A-156	107.62	2.62
A-046	107.67	1.78
M	108.00	3.00
M	108.00	4.00
M	108.00	5.00
M	108.00	6.00
M	108.00	7.00
C92	109.00	3.55
C92	109.00	5.30
C92	109.00	7.00
G110	109.40	3.10
S110	109.50	2.00
M	109.50	3.00
P110	109.60	5.70
M	110.00	2.00
M	124.00	3.00
M	124.00	4.00
G125	124.40	3.10
S125	124.50	2.00
P125	124.60	5.70
M	125.00	2.00
M	125.00	2.50
C92	125.00	2.65
M	125.00	3.00
M	125.00	3.50
C92	125.00	3.55
M	125.00	4.00
M	125.00	5.00
C92	125.00	5.30
M	125.00	6.00
C92	125.00	7.00
M	126.00	4.00
M	126.00	4.50
A-353	126.37	5.33
A-429	126.37	6.99
B-56	126.37	6.99
R-57	126.37	6.99
A-250	126.59	3.53
A-159	126.67	2.62
A-049	126.72	1.78
M	127.00	4.00
M	128.00	2.00
M	128.00	2.50
M	128.00	3.00
C92	128.00	3.55
M	114.00	5.00
M	114.00	6.00
M	114.00	7.00
A-047	114.02	1.78
G115	114.40	3.10
S115	114.50	2.00
P115	114.60	5.70
M	115.00	2.00
M	115.00	2.50
M	115.00	3.00
C92	115.00	3.55
M	115.00	4.00
M	115.00	4.50
M	115.00	5.00
C92	115.00	5.30
M	115.00	7.00
C92	115.00	3.00
M	116.00	2.00
M	116.00	4.00
A-350	116.84	5.33
S132	131.50	2.00
P132	131.60	5.70
C92	132.00	2.65
M	132.00	3.00
C92	132.00	3.55
M	132.00	4.00
M	132.00	5.00
C92	132.00	5.30
C92	132.00	7.00
M	132.00	8.00
A-355	132.72	5.33
A-431	132.72	6.99
B-58	132.72	6.99
R-59	132.72	6.99
A-252	132.94	3.53
M	133.00	3.50
M	133.00	4.00
A-160	133.02	2.62
A-050	133.07	1.78
M	134.00	3.00
M	134.00	4.00
G135	134.40	3.10
S135	134.50	2.00
P135	134.60	5.70
M	135.00	2.50
M	135.00	3.00
M	135.00	3.50
M	135.00	4.00
M	135.00	5.00
M	135.00	6.00

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
B-54	120.02	6.99
R-55	120.02	6.99
A-248	120.24	3.53
A-158	120.32	2.62
A-048	120.37	1.78
M	121.00	3.00
M	122.00	3.00
C92	122.00	3.55
M	122.00	4.00
M	122.00	4.50
M	122.00	5.00
C92	122.00	5.30
M	122.00	6.00
C92	122.00	7.00
M	122.00	8.00
M	123.00	3.00
A-352	123.19	5.33
A-428	123.19	6.99
B-55	123.19	6.99
R-56	123.19	6.99
A-249	123.42	3.53
G140	139.40	3.10
S140	139.50	2.00
M	139.50	3.00
P140	139.60	5.70
M	140.00	2.00
M	140.00	2.50
C92	140.00	2.65
M	140.00	3.00
C92	140.00	3.55
M	140.00	4.00
M	140.00	5.00
C92	140.00	5.30
M	140.00	6.00
C92	140.00	7.00
M	140.00	8.00
M	142.00	3.00
M	142.00	4.00
M	142.00	6.00
A-358	142.24	5.33
A-434	142.24	6.99
B-61	142.24	6.99
R-62	142.24	6.99
A-255	142.47	3.53
M	143.00	2.00
M	144.00	3.00
M	144.00	4.00
M	144.00	5.00
G145	144.40	3.10

NO.	ID (mm)	CS (mm)
M	128.00	4.00
C92	128.00	5.30
M	128.00	6.00
C92	128.00	7.00
M	128.00	9.00
M	129.00	4.00
G130	129.40	3.10
S130	129.50	2.00
A-354	129.54	5.33
A-430	129.54	6.99
B-57	129.54	6.99
R-58	129.54	6.99
P130	129.60	5.70
A-251	129.77	3.53
M	130.00	2.00
M	130.00	2.50
M	130.00	3.00
M	130.00	4.00
M	130.00	4.50
M	130.00	5.00
M	130.00	6.00
M	130.00	8.00
A-257	148.82	3.53
M	149.00	3.00
G150	149.30	5.70
S150	149.50	2.00
P150A	149.50	8.40
P150	149.60	5.70
M	150.00	2.00
M	150.00	2.50
C92	150.00	2.65
M	150.00	3.00
C92	150.00	3.55
M	150.00	4.00
M	150.00	4.50
M	150.00	5.00
C92	150.00	5.30
M	150.00	6.00
C92	150.00	7.00
M	151.00	8.00
A-361	151.77	5.33
A-437	151.77	6.99
B-64	151.77	6.99
R-65	151.77	6.99
A-258	151.99	3.53
M	152.00	5.00
M	152.00	7.00
A-163	152.07	2.62
M	153.00	3.00
M	153.00	6.00

NO.	ID (mm)	CS (mm)
A-356	135.89	5.33
A-432	135.89	6.99
B-59	135.89	6.99
R-60	135.89	6.99
M	136.00	3.50
C92	136.00	3.55
M	136.00	4.00
M	136.00	5.00
C92	136.00	5.30
C92	136.00	7.00
A-253	136.12	3.53
M	137.00	4.00
M	138.00	3.00
M	138.00	4.00
M	138.00	5.00
M	138.00	6.00
A-357	139.07	5.33
A-433	139.07	6.99
B-60	139.07	6.99
R-61	139.07	6.99
A-254	139.29	3.53
A-161	139.37	2.62
C92	160.00	2.65
M	160.00	3.00
C92	160.00	3.55
M	160.00	4.00
M	160.00	4.50
M	160.00	5.00
C92	160.00	5.30
M	160.00	6.00
C92	160.00	7.00
M	160.00	8.00
M	164.00	3.00
M	164.00	4.00
G165	164.30	5.70
A-363	164.46	5.33
A-439	164.47	6.99
B-66	164.47	6.99
R-67	164.47	6.99
P165	164.50	8.40
A-260	164.69	3.53
A-165	164.77	2.62
M	165.00	2.00
M	165.00	2.50
C92	165.00	3.55
M	165.00	4.00
M	165.00	5.00
C92	165.00	5.30
C92	165.00	7.00
M	166.00	6.00

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
S145	144.50	2.00
P145	144.60	5.70
M	145.00	2.50
M	145.00	3.00
C92	145.00	3.55
M	145.00	4.00
M	145.00	5.00
C92	145.00	5.30
C92	145.00	7.00
M	145.00	8.00
A-359	145.42	5.33
A-435	145.42	6.99
B-62	145.42	6.99
R-63	145.42	6.99
A-256	145.64	3.53
A-162	145.72	2.62
M	146.00	3.00
M	146.00	4.00
M	148.00	3.00
V150	148.50	4.00
A-360	148.59	5.33
A-436	148.59	6.99
B-63	148.59	6.99
R-64	148.59	6.99
V175	173.00	4.00
M	174.00	3.00
G175	174.30	5.70
P175	174.50	8.40
C92	175.00	3.55
M	175.00	4.00
M	175.00	5.00
C92	175.00	5.30
M	175.00	6.00
C92	175.00	7.00
M	177.00	3.50
M	177.00	4.00
A-365	177.17	5.33
A-441	177.17	6.99
B-68	177.17	6.99
R-69	177.17	6.99
A-262	177.39	3.53
A-167	177.47	2.62
M	179.00	3.00
G180	179.30	5.70
P180	179.50	8.40
M	180.00	1.50
C92	180.00	2.65
M	180.00	3.00
M	180.00	3.50
C92	180.00	3.55

NO.	ID (mm)	CS (mm)
M	154.00	3.00
G155	154.30	5.70
P155	154.50	8.40
M	155.00	3.00
C92	155.00	3.55
M	155.00	4.00
M	155.00	5.00
C92	155.00	5.30
C92	155.00	7.00
M	156.00	4.00
M	156.00	5.00
M	158.00	5.00
M	158.00	6.00
A-362	158.12	5.33
A-438	158.12	6.99
B-65	158.12	6.99
R-66	158.12	6.99
A-259	158.34	3.53
A-164	158.42	2.62
M	159.00	4.00
G160	159.30	5.70
P160	159.50	8.40
M	160.00	2.00
M	160.00	2.50
M	186.00	3.50
M	186.00	7.00
M	188.00	2.00
M	188.00	3.00
M	188.00	4.00
M	188.00	5.00
G190	189.30	5.70
P190	189.50	8.40
A-367	189.87	5.33
A-443	189.87	6.99
B-70	189.87	6.99
R-71	189.87	6.99
M	190.00	3.00
M	190.00	3.50
C92	190.00	3.55
M	190.00	4.00
M	190.00	5.00
C92	190.00	5.30
M	190.00	6.00
C92	190.00	7.00
M	190.00	7.00
M	190.00	8.00
A-264	190.10	3.53
A-169	190.17	2.62
M	192.00	2.00
M	192.00	3.00

NO.	ID (mm)	CS (mm)
M	167.00	3.00
M	168.00	4.00
G170	169.30	5.70
P170	169.50	8.40
M	170.00	2.00
C92	170.00	2.65
M	170.00	2.00
M	170.00	3.50
C92	170.00	3.55
M	170.00	4.00
M	170.00	5.00
C92	170.00	5.30
M	170.00	6.00
C92	170.00	7.00
M	170.00	8.00
A-364	170.82	5.33
A-440	170.82	6.99
B-67	170.82	6.99
R-68	170.82	6.99
A-261	171.04	3.53
A-166	171.12	2.62
M	172.00	4.00
M	172.00	6.00
M	172.00	7.00
C92	200.00	3.55
M	200.00	3.55
M	200.00	4.00
M	200.00	5.00
C92	200.00	5.30
M	200.00	6.00
C92	200.00	7.00
M	202.00	3.50
M	202.00	5.50
A-369	202.57	5.33
A-445	202.57	6.99
B-72	202.57	6.99
R-73	202.57	6.99
A-266	202.79	3.53
A-171	202.87	2.62
M	203.00	3.00
M	204.00	4.00
M	204.00	5.00
P205	204.50	8.40
M	205.00	2.00
M	205.00	3.00
M	205.00	5.00
M	205.00	6.00
C92	206.00	7.00
M	206.00	6.00
M	208.00	8.00

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
M	180.00	4.00
M	180.00	5.00
C92	180.00	5.30
M	180.00	6.00
C92	180.00	7.00
M	180.00	8.00
M	182.00	3.00
M	182.00	6.00
A-366	183.52	5.33
A-442	183.52	6.99
B-69	183.52	6.99
R-70	183.52	6.99
A-263	183.74	3.53
A-168	183.82	2.62
M	184.00	3.00
M	184.00	8.00
G185	184.40	3.10
P185	184.50	5.70
M	185.00	3.00
C92	185.00	3.55
M	185.00	4.00
M	185.00	4.50
M	185.00	5.00
C92	185.00	5.30
M	185.00	6.00
C92	185.00	7.00
A-173	215.57	2.62
M	216.00	4.00
M	217.00	3.00
M	217.00	5.00
M	218.00	6.00
C92	218.00	7.00
G220	219.30	5.70
P220	219.50	8.40
M	220.00	3.00
M	220.00	4.00
M	220.00	5.00
M	220.00	6.00
A-372	221.62	5.33
A-269	221.84	3.53
A-174	221.92	2.62
M	222.00	4.00
V225	222.50	5.00
C92	224.00	5.30
C92	224.00	7.00
P225	224.50	8.40
M	225.00	3.00
M	225.00	4.00
M	225.00	5.00
M	225.00	8.00

NO.	ID (mm)	CS (mm)
M	192.00	4.00
M	193.00	6.00
M	194.00	2.00
M	194.00	3.00
G195	194.30	5.70
P195	194.50	8.40
M	195.00	2.50
M	195.00	3.00
M	195.00	4.00
C92	195.00	3.55
M	195.00	4.00
M	195.00	5.00
C92	195.00	5.30
M	195.00	6.00
C92	195.00	7.00
A-368	196.22	5.33
A-444	196.22	6.99
B-71	196.22	6.99
R-72	196.22	6.99
A-265	196.44	3.53
A-170	196.52	2.62
M	198.00	4.00
G200	199.30	5.70
P200	199.50	8.40
M	200.00	2.00
M	200.00	2.50
P240	239.50	8.40
M	240.00	3.00
M	240.00	4.00
M	240.00	5.00
M	240.00	6.00
M	240.00	8.00
A-375	240.67	5.33
A-448	240.67	6.99
B-75	240.67	6.99
R-76	240.67	6.99
A-272	240.89	3.53
A-177	240.97	2.62
M	242.00	6.00
C92	242.00	7.00
M	243.00	8.50
M	244.00	7.00
P245	244.50	8.40
M	245.00	3.00
M	245.00	4.00
M	246.00	5.00
M	247.00	7.00
A-376	247.02	5.33
A-273	247.24	3.53
A-178	247.32	2.62

NO.	ID (mm)	CS (mm)
P209	208.50	8.40
A-370	208.94	5.33
A-267	209.14	3.53
A-172	209.22	2.62
G210	209.30	5.70
P210	209.50	8.40
M	210.00	3.00
M	210.00	3.50
M	210.00	4.00
M	210.00	5.00
M	210.00	6.00
M	210.00	8.00
M	212.00	4.00
C92	212.00	5.30
M	212.00	6.00
C92	212.00	7.00
P215	214.50	8.40
M	215.00	3.00
M	215.00	5.00
M	215.00	6.00
M	215.00	7.00
A-371	215.27	5.33
A-446	215.27	6.99
B-73	215.27	6.99
R-74	215.27	6.99
A-268	215.49	3.53
M	260.00	8.00
M	262.00	6.00
R-265	264.50	8.40
M	265.00	3.00
M	265.00	4.00
M	265.00	8.00
C92	265.00	5.30
M	265.00	6.00
C92	265.00	7.00
M	265.00	8.00
A-378	266.07	5.33
A-450	266.07	6.99
B-77	266.07	6.99
R-78	266.07	6.99
A-275	266.29	3.53
G270	269.30	5.70
P270	269.50	8.40
M	270.00	3.00
M	270.00	4.00
M	270.00	5.00
M	270.00	6.00
V275	272.00	6.00
C92	272.00	7.00
M	274.00	4.00

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
A-373	227.97	5.33
A-447	227.97	6.99
B-74	227.97	6.99
R-75	227.97	6.99
M	227.00	6.00
A-270	228.19	3.53
A-175	228.27	2.62
G230	229.30	5.70
P230	229.50	8.40
M	230.00	3.00
M	230.00	4.00
M	230.00	5.00
M	230.00	6.00
C92	230.00	7.00
M	230.00	8.00
M	233.00	3.00
A-374	234.32	5.33
P235	234.50	8.40
A-271	234.54	3.53
A-176	234.62	2.62
M	235.00	3.00
M	235.00	4.00
M	235.00	5.00
M	235.00	7.00
C92	236.00	5.30
C92	236.00	7.00
M	238.00	5.00
G240	239.30	5.70
M	248.00	5.00
G250	249.30	5.70
P250	249.50	8.40
M	250.00	2.00
M	250.00	3.00
M	250.00	4.00
C92	250.00	5.30
M	250.00	6.00
C92	250.00	7.00
M	250.00	7.00
M	250.00	8.00
A-377	253.37	5.33
A-449	253.37	6.99
B-76	253.37	6.99
R-77	253.37	6.99
A-274	253.59	3.53
P255	253.59	8.40
M	255.00	4.00
M	255.00	5.00
C92	258.00	5.70
G260	259.30	5.70
P260	259.50	8.40
M	260.00	2.50
M	260.00	3.00
M	260.00	4.00
M	260.00	5.00
M	260.00	6.00
M	260.00	7.00
P275	274.50	8.40
M	275.00	4.00
M	275.00	5.00
A-379	278.77	5.33
A-451	278.77	6.99
B-78	278.77	6.99
R-79	278.77	6.99
A-276	278.99	3.53
G280	279.30	5.70
P280	279.50	8.40
M	280.00	3.00
M	280.00	4.00
M	280.00	5.00
C92	280.00	5.30
M	280.00	6.00
C92	280.00	7.00
M	280.00	8.00
M	282.00	4.00
M	284.00	6.00
P285	284.50	8.40
M	285.00	3.00
M	285.00	4.00
G290	289.30	5.70
P290	289.50	8.40
M	290.00	3.00
M	290.00	5.00
M	290.00	6.00
C92	290.00	7.00
M	290.00	8.00
A-380	291.47	5.33
A-452	291.47	6.99
B-79	291.47	6.99
R-80	291.47	6.99
A-277	291.69	3.53
M	292.00	4.00
P295	294.50	8.40
M	295.00	6.00
M	297.00	4.00
G300	299.30	5.70
P300	299.50	8.40
M	300.00	3.00
M	300.00	5.00
C92	300.00	5.30
M	300.00	6.00
C92	300.00	7.00
A-381	304.17	5.33
A-453	304.17	6.99
B-80	304.17	6.99
R-81	304.17	6.99
A-278	304.39	3.53
B-82	329.57	6.99
R-83	329.57	6.99
A-279	329.79	3.53
M	330.00	5.00
M	330.00	6.00
M	330.00	8.00
M	331.00	3.00
P335	334.50	8.40
C92	335.00	5.30
M	335.00	6.00
C92	335.00	7.00
P340	339.50	8.40
M	340.00	3.50
M	340.00	4.00
M	340.00	5.00
M	340.00	6.00
M	342.00	7.00
A-456	342.27	6.99
B-83	342.27	6.99
R-84	342.27	6.99
M	345.00	5.00
C92	345.00	7.00
C92	375.00	7.00
M	376.00	6.00
V380	376.00	6.00
M	380.00	3.00
M	380.00	4.00
M	380.00	5.00
A-384	380.00	5.33
A-459	380.37	6.99
B-86	380.37	6.99
R-87	380.37	6.99
A-281	380.59	3.53
P385	384.50	8.40
M	385.00	5.00
M	386.00	6.00
C92	387.00	7.00
M	390.00	4.00
M	390.00	5.00
A-460	393.07	6.99
B-87	393.07	6.99
R-88	393.07	6.99
M	395.00	5.00
P400	399.50	8.40

Comprehensive Dimension Table

NO.	ID (mm)	CS (mm)
M	305.00	4.00
M	305.00	5.00
C92	307.00	7.00
M	310.00	3.00
M	310.00	4.00
M	310.00	5.00
M	314.00	8.00
P315	314.50	8.40
M	315.00	4.00
M	315.00	5.00
C92	315.00	5.30
M	315.00	6.00
C92	315.00	7.00
A-454	316.87	6.99
B81	316.87	6.99
B-87	316.87	6.99
R-82	316.87	6.99
P320	319.50	8.40
M	320.00	2.50
M	320.00	3.00
M	320.00	5.00
M	320.00	6.00
M	320.00	7.00
M	320.00	8.00
V325	321.50	6.00
M	325.00	5.00
M	325.00	6.00
C92	325.00	7.00
A-382	329.57	5.33
A-455	329.57	6.99
M	450.00	5.00
C92	450.00	7.00
A-284	456.06	3.53
A-387	456.06	5.33
A-465	456.06	6.99
M	460.00	4.00
M	460.00	5.00
M	460.00	8.00
C92	462.00	7.00
A-466	468.76	6.99
M	470.00	4.00
M	470.00	6.00
M	475.00	5.00
C92	475.00	7.00
V480	475.60	10.00
M	480.00	6.00
A-388	481.46	5.33
A-467	481.46	6.99
C92	487.00	7.00

NO.	ID (mm)	CS (mm)
M	350.00	5.00
M	350.00	6.00
P355	354.50	8.40
A-383	354.97	5.33
A-457	354.97	6.99
B-84	354.97	6.99
R-85	354.97	6.99
M	355.00	5.00
M	355.00	6.00
C92	355.00	5.30
M	355.00	6.00
C92	355.00	7.00
A-280	355.19	3.53
P360	359.50	8.40
M	360.00	4.00
M	360.00	7.00
C92	365.00	7.00
M	367.00	3.50
M	367.00	5.00
A-458	367.67	6.99
B-85	367.67	6.99
R-86	367.67	6.99
M	368.00	6.00
M	370.00	4.00
M	371.00	5.00
M	371.00	6.00
M	374.00	8.50
P375	374.50	8.40
M	375.00	5.00
C92	375.00	5.30
M	490.00	5.00
M	490.00	8.00
M	492.00	4.00
A-468	494.16	6.99
C92	500.00	7.00
A-389	506.86	5.33
A-469	506.86	6.99
C9	515.00	7.00
V530	524.50	10.00
C92	530.00	7.00
A-390	532.26	5.33
A-470	532.26	6.99
C92	545.00	7.00
A-391	557.66	5.33
A-471	557.66	6.99
C92	560.00	7.00
V585	579.00	10.00
C92	580.00	7.00
A-392	582.68	5.33

NO.	ID (mm)	CS (mm)
M	400.00	4.00
M	400.00	5.00
C92	400.00	5.30
C92	400.00	7.00
M	405.00	8.00
A-282	405.26	3.53
A-385	405.26	5.33
A-461	405.26	6.99
M	410.00	4.00
M	410.00	8.00
C92	412.00	7.00
M	412.00	8.00
M	415.00	5.00
A-462	417.96	6.99
B-88	417.96	6.99
M	420.00	4.00
M	420.00	5.00
M	425.00	4.00
C92	425.00	7.00
M	425.00	8.00
V430	425.00	6.00
M	429.00	6.00
A-283	430.66	3.53
A-386	430.66	5.33
A-463	430.66	6.99
C92	437.00	7.00
M	440.00	4.00
A-464	443.36	6.99
M	444.00	8.00
M	448.00	6.00
A-472	582.68	6.99
C92	600.00	7.00
A-393	608.08	5.33
A-473	608.08	6.99
C92	615.00	7.00
C92	630.00	7.00
A-394	633.48	5.33
A-474	633.48	6.99
V640	633.50	10.00
C92	650.00	7.00
A-395	658.88	5.33
A-475	658.88	6.99
C92	670.00	7.00
V690	683.00	10.00
V740	732.50	10.00
V790	782.00	10.00
V845	836.50	10.00
V950	940.50	10.00
V1055	1044.00	10.00