

Japanese Industry Standard (JIS) O-Rings

Part #	ID2	Tor ID	CSD	Tor CSD
G025	24.4	±0.30	3.10	±0.10
G030	29.4	±0.35	3.10	±0.10
G035	34.4	±0.40	3.10	±0.10
G040	39.4	±0.44	3.10	±0.10
G042*	41.4	±0.49	3.10	±0.10
G045	44.4	±0.54	3.10	±0.10
G050	49.4	±0.56	3.10	±0.10
G052*	51.4	±0.59	3.10	±0.10
G055	54.4	±0.61	3.10	±0.10
G058*	57.4	±0.64	3.10	±0.10
G060	59.4	±0.65	3.10	±0.10
G062*	61.4	±0.66	3.10	±0.10
G063*	62.4	±0.67	3.10	±0.10
G064*	63.4	±0.68	3.10	±0.10
G065	64.4	±0.71	3.10	±0.10
G067*	66.4	±0.73	3.10	±0.10
G070	69.4	±0.76	3.10	±0.10
G072*	71.4	±0.78	3.10	±0.10
G075	74.4	±0.83	3.10	±0.10
G080	79.4	±0.88	3.10	±0.10
G085	84.4	±0.92	3.10	±0.10
G090	89.4	±0.92	3.10	±0.10
G095	94.4	±0.97	3.10	±0.10
G100	99.4	±1.02	3.10	±0.10
G105	104.4	±1.04	3.10	±0.10
G110	109.4	±1.09	3.10	±0.10
G115	114.4	±1.13	3.10	±0.10
G120	119.4	±1.18	3.10	±0.10
G125	124.4	±1.21	3.10	±0.10
G130	129.4	±1.26	3.10	±0.10

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
G135	134.4	±1.30	3.10	±0.10
G140	139.4	±1.34	3.10	±0.10
G145	144.4	±1.39	3.10	±0.10
G150	149.3	±1.43	5.70	±0.13
G155	154.3	±1.48	5.70	±0.13
G160	159.3	±1.51	5.70	±0.13
G165	164.3	±1.56	5.70	±0.13
G170	169.3	±1.60	5.70	±0.13
G175	174.3	±1.64	5.70	±0.13
G180	179.3	±1.68	5.70	±0.13
G185	184.3	±1.73	5.70	±0.13
G190	189.3	±1.76	5.70	±0.13
G195	194.3	±1.81	5.70	±0.13
G200	199.3	±1.86	5.70	±0.13
G205*	204.3	±1.90	5.70	±0.13
G210	209.3	±1.93	5.70	±0.13
G215*	214.3	±1.98	5.70	±0.13
G220	219.3	±2.02	5.70	±0.13
G225*	224.3	±2.05	5.70	±0.13
G230	229.3	±2.08	5.70	±0.13
G235*	234.3	±2.14	5.70	±0.13
G240	239.3	±2.17	5.70	±0.13
G245*	244.3	±2.21	5.70	±0.13
G250	249.3	±2.26	5.70	±0.13
G255*	254.3	±2.29	5.70	±0.13
G260	259.3	±2.33	5.70	±0.13
G265*	264.3	±2.36	5.70	±0.13
G270	269.3	±2.41	5.70	±0.13
G275*	274.3	±2.45	5.70	±0.13
G280	279.3	±2.48	5.70	±0.13
G285*	284.3	±2.52	5.70	±0.13
G290	289.3	±2.57	5.70	±0.13
G295*	294.3	±2.60	5.70	±0.13
G300	299.3	±2.64	5.70	±0.13
G305*	304.3	±2.69	5.70	±0.13
G310*	309.3	±2.72	5.70	±0.13
G315*	314.3	±2.76	5.70	±0.13
G320*	319.3	±2.80	5.70	±0.13
G325*	324.3	±2.83	5.70	±0.13
G330*	329.3	±2.87	5.70	±0.13
G335*	334.3	±2.90	5.70	±0.13
G340*	339.3	±2.94	5.70	±0.13
G345*	344.3	±2.98	5.70	±0.13
G350*	349.3	±3.01	5.70	±0.13
G355*	354.3	±3.05	5.70	±0.13
G360*	359.3	±3.08	5.70	±0.13
G365*	364.3	±3.12	5.70	±0.13
G370*	369.3	±3.16	5.70	±0.13
G375*	374.3	±3.20	5.70	±0.13
G380*	379.3	±3.24	5.70	±0.13
G385*	384.3	±3.28	5.70	±0.13
G390*	389.3	±3.32	5.70	±0.13
G395*	394.3	±3.35	5.70	±0.13
G400*	399.3	±3.38	5.70	±0.13
G405*	404.3	±3.60	5.70	±0.13
G410*	409.3	±3.60	5.70	±0.13
G415*	414.3	±3.60	5.70	±0.13
G420*	419.3	±3.60	5.70	±0.13
G425*	424.3	±3.60	5.70	±0.13

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
G430*	429.3	±3.60	5.70	±0.13
G435*	434.3	±3.60	5.70	±0.13
G440*	439.3	±3.60	5.70	±0.13
G445*	444.3	±3.60	5.70	±0.13
G450*	449.3	±3.60	5.70	±0.13
G455*	454.3	±3.96	5.70	±0.13
G460*	459.3	±3.96	5.70	±0.13
G465*	464.3	±3.96	5.70	±0.13
G470*	469.3	±3.96	5.70	±0.13
G475*	474.3	±3.96	5.70	±0.13
G480*	479.3	±3.96	5.70	±0.13
G485*	484.3	±3.96	5.70	±0.13
G490*	489.3	±3.96	5.70	±0.13
G495*	494.3	±3.96	5.70	±0.13
G500*	499.3	±3.96	5.70	±0.13
G505*	504.3	±4.44	5.70	±0.13
G510*	509.3	±4.44	5.70	±0.13
G515*	514.3	±4.44	5.70	±0.13
G520*	519.3	±4.44	5.70	±0.13
G530*	529.3	±4.44	5.70	±0.13
G535*	534.3	±4.44	5.70	±0.13
G540*	539.3	±4.44	5.70	±0.13
G545*	544.3	±4.44	5.70	±0.13
G550*	549.3	±4.44	5.70	±0.13
G555*	554.3	±4.80	5.70	±0.13
G560*	559.3	±4.80	5.70	±0.13
G565*	564.3	±4.80	5.70	±0.13
G570*	569.3	±4.80	5.70	±0.13
G575*	574.3	±4.80	5.70	±0.13
G580*	579.3	±4.80	5.70	±0.13
G585*	584.3	±4.80	5.70	±0.13
G590*	589.3	±4.80	5.70	±0.13
G595*	594.3	±4.80	5.70	±0.13
G600*	599.3	±4.80	5.70	±0.13
G610*	609.3	±5.64	5.70	±0.13
G620*	619.3	±5.64	5.70	±0.13
G630*	629.3	±5.64	5.70	±0.13
G640*	639.3	±5.64	5.70	±0.13
G650*	649.3	±5.64	5.70	±0.13
G660*	659.3	±5.64	5.70	±0.13
G670*	669.3	±5.64	5.70	±0.13
G680*	679.3	±5.64	5.70	±0.13
G690*	689.3	±5.64	5.70	±0.13
G700*	699.3	±5.64	5.70	±0.13
G710*	709.3	±5.64	5.70	±0.13
G720*	719.3	±5.64	5.70	±0.13
G730*	729.3	±5.64	5.70	±0.13
G740*	739.3	±5.64	5.70	±0.13
G750*	749.3	±5.64	5.70	±0.13
G760*	759.3	±6.36	5.70	±0.13
G770*	769.3	±6.36	5.70	±0.13
G780*	779.3	±6.36	5.70	±0.13
G790*	789.3	±6.36	5.70	±0.13
G800*	799.3	±6.36	5.70	±0.13
G860*	859.3	±7.20	5.70	±0.13
G910*	909.3	±8.04	5.70	±0.13
GS150*	149.3	±1.43	3.10	±0.10
GS155*	154.3	±1.48	3.10	±0.10
GS160*	159.3	±1.51	3.10	±0.10

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
GS165*	164.3	±1.56	3.10	±0.10
GS170*	169.3	±1.60	3.10	±0.10
GS175*	174.3	±1.64	3.10	±0.10
GS180*	179.3	±1.68	3.10	±0.10
GS185*	184.3	±1.73	3.10	±0.10
GS190*	189.3	±1.76	3.10	±0.10
GS195*	194.3	±1.81	3.10	±0.10
GS200*	199.3	±1.86	3.10	±0.10
GS205*	204.3	±1.90	3.10	±0.10
GS210*	209.3	±1.93	3.10	±0.10
GS215*	214.3	±1.98	3.10	±0.10
GS220*	219.3	±2.02	3.10	±0.10
GS225*	224.3	±2.05	3.10	±0.10
GS230*	229.3	±2.08	3.10	±0.10
GS235*	234.3	±2.14	3.10	±0.10
GS240*	239.3	±2.17	3.10	±0.10
GS245*	244.3	±2.21	3.10	±0.10
GS250*	249.3	±2.26	3.10	±0.10
GS255*	254.3	±2.29	3.10	±0.10
GS260*	259.3	±2.33	3.10	±0.10
GS265*	264.3	±2.36	3.10	±0.10
GS270*	269.3	±2.41	3.10	±0.10
GS275*	274.3	±2.45	3.10	±0.10
GS280*	279.3	±2.48	3.10	±0.10
GS285*	284.3	±2.52	3.10	±0.10
GS290*	289.3	±2.57	3.10	±0.10
GS295*	294.3	±2.60	3.10	±0.10
GS300*	299.3	±2.64	3.10	±0.10
GS305*	304.3	±2.69	3.10	±0.10
GS310*	309.3	±2.72	3.10	±0.10
GS315*	314.3	±2.76	3.10	±0.10
GS320*	319.3	±2.80	3.10	±0.10
GS325*	324.3	±2.83	3.10	±0.10
GS330*	329.3	±2.87	3.10	±0.10
GS335*	334.3	±2.90	3.10	±0.10
GS340*	339.3	±2.94	3.10	±0.10
GS345*	344.3	±2.98	3.10	±0.10
GS350*	349.3	±3.01	3.10	±0.10
GS355*	354.3	±3.05	3.10	±0.10
GS360*	359.3	±3.08	3.10	±0.10
GS365*	364.3	±3.12	3.10	±0.10
GS370*	369.3	±3.16	3.10	±0.10
GS375*	374.3	±3.20	3.10	±0.10
GS380*	379.3	±3.24	3.10	±0.10
GS385*	384.3	±3.28	3.10	±0.10
GS390*	389.3	±3.32	3.10	±0.10
GS395*	394.3	±3.35	3.10	±0.10
GS400*	399.3	±3.38	3.10	±0.10
GS405*	404.3	±3.60	3.10	±0.10
GS410*	409.3	±3.60	3.10	±0.10
GS415*	414.3	±3.60	3.10	±0.10
GS420*	419.3	±3.60	3.10	±0.10
GS425*	424.3	±3.60	3.10	±0.10
GS430*	429.3	±3.60	3.10	±0.10
GS435*	434.3	±3.60	3.10	±0.10
GS440*	439.3	±3.60	3.10	±0.10
GS445*	444.3	±3.60	3.10	±0.10
GS450*	449.3	±3.60	3.10	±0.10
GS455*	454.3	±3.96	3.10	±0.10

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
GS460*	459.3	±3.96	3.10	±0.10
GS465*	464.3	±3.96	3.10	±0.10
GS470*	469.3	±3.96	3.10	±0.10
GS475*	474.3	±3.96	3.10	±0.10
GS480*	479.3	±3.96	3.10	±0.10
GS485*	484.3	±3.96	3.10	±0.10
GS490*	489.3	±3.96	3.10	±0.10
GS495*	494.3	±3.96	3.10	±0.10
GS500*	499.3	±3.96	3.10	±0.10
JASO F404-1003*	2.8	±0.17	1.90	±0.08
JASO F404-1004*	3.8	±0.17	1.90	±0.08
JASO F404-1005*	4.8	±0.18	1.90	±0.08
JASO F404-1006*	5.8	±0.18	1.90	±0.08
JASO F404-1007*	6.8	±0.19	1.90	±0.08
JASO F404-1008*	7.8	±0.19	1.90	±0.08
JASO F404-1009*	8.8	±0.20	1.90	±0.08
JASO F404-1010*	9.8	±0.20	1.90	±0.08
JASO F404-1011*	11.0	±0.24	1.90	±0.08
JASO F404-1012*	12.3	±0.24	1.90	±0.08
JASO F404-1013*	13.0	±0.24	1.90	±0.08
JASO F404-1014*	13.8	±0.24	1.90	±0.08
JASO F404-1015*	14.8	±0.24	1.90	±0.08
JASO F404-1016*	15.8	±0.24	1.90	±0.08
JASO F404-1017*	16.8	±0.24	1.90	±0.08
JASO F404-1018*	17.8	±0.24	1.90	±0.08
JASO F404-1019*	18.8	±0.30	1.90	±0.08
JASO F404-1020*	19.8	±0.30	1.90	±0.08
JASO F404-1021*	21.0	±0.30	1.90	±0.08
JASO F404-1022*	22.1	±0.30	1.90	±0.08
JASO F404-1023*	23.3	±0.30	1.90	±0.08
JASO F404-1025*	24.7	±0.30	1.90	±0.08
JASO F404-1026*	26.2	±0.30	1.90	±0.08
JASO F404-1028*	27.7	±0.30	1.90	±0.08
JASO F404-1030*	29.7	±0.30	1.90	±0.08
JASO F404-1031*	31.2	±0.30	1.90	±0.08
JASO F404-1033*	33.2	±0.30	1.90	±0.08
JASO F404-1035*	35.2	±0.30	1.90	±0.08
JASO F404-2010*	9.8	±0.20	2.40	±0.09
JASO F404-2011*	11.0	±0.22	2.40	±0.09
JASO F404-2012*	12.3	±0.23	2.40	±0.09
JASO F404-2013*	13.0	±0.24	2.40	±0.09
JASO F404-2014*	13.8	±0.23	2.40	±0.09
JASO F404-2015*	14.8	±0.24	2.40	±0.09
JASO F404-2016*	15.8	±0.24	2.40	±0.09
JASO F404-2017*	16.8	±0.24	2.40	±0.09
JASO F404-2018*	17.8	±0.25	2.40	±0.09
JASO F404-2019*	18.8	±0.30	2.40	±0.09
JASO F404-2020*	19.8	±0.26	2.40	±0.09
JASO F404-2021*	20.8	±0.28	2.40	±0.09
JASO F404-2022*	22.1	±0.30	2.40	±0.09
JASO F404-2023*	23.3	±0.30	2.40	±0.09
JASO F404-2025*	24.7	±0.30	2.40	±0.09
JASO F404-2026*	26.2	±0.30	2.40	±0.09
JASO F404-2028*	27.7	±0.30	2.40	±0.09
JASO F404-2030*	29.7	±0.30	2.40	±0.09
JASO F404-2031*	31.2	±0.30	2.40	±0.09
JASO F404-2033*	33.2	±0.30	2.40	±0.09
JASO F404-2035*	35.2	±0.30	2.40	±0.09
JASO F404-2037*	37.2	±0.30	2.40	±0.09

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
JASO F404-2040*	39.7	±0.30	2.40	±0.09
JASO F404-2042*	42.2	±0.50	2.40	±0.09
JASO F404-2045*	44.7	±0.50	2.40	±0.09
JASO F404-2047*	47.2	±0.50	2.40	±0.09
JASO F404-2050*	49.7	±0.50	2.40	±0.09
JASO F404-2053*	52.6	±0.50	2.40	±0.09
JASO F404-2056*	55.6	±0.50	2.40	±0.09
JASO F404-2060*	59.6	±0.50	2.40	±0.09
JASO F404-2063*	62.6	±0.50	2.40	±0.09
JASO F404-2067*	66.6	±0.50	2.40	±0.09
JASO F404-2071*	70.6	±0.80	2.40	±0.09
JASO F404-3022*	22.1	±0.29	3.50	±0.10
JASO F404-3024*	23.7	±0.29	3.50	±0.10
JASO F404-3025*	24.7	±0.30	3.50	±0.10
JASO F404-3026*	25.7	±0.31	3.50	±0.10
JASO F404-3028*	27.7	±0.34	3.50	±0.10
JASO F404-3030*	29.7	±0.35	3.50	±0.10
JASO F404-3031*	30.7	±0.36	3.50	±0.10
JASO F404-3034*	33.7	±0.40	3.50	±0.10
JASO F404-3035*	35.2	±0.41	3.50	±0.10
JASO F404-3038*	37.7	±0.44	3.50	±0.10
JASO F404-3039*	38.7	±0.44	3.50	±0.10
JASO F404-3040*	39.7	±0.44	3.50	±0.10
JASO F404-3042*	41.7	±0.47	3.50	±0.10
JASO F404-3044*	43.7	±0.49	3.50	±0.10
JASO F404-3045*	44.7	±0.49	3.50	±0.10
JASO F404-3048*	47.7	±0.53	3.50	±0.10
JASO F404-3050*	49.7	±0.54	3.50	±0.10
JASO F404-3053*	52.6	±0.50	3.50	±0.10
JASO F404-3056*	55.6	±0.50	3.50	±0.10
JASO F404-3060*	59.6	±0.50	3.50	±0.10
JASO F404-3063*	62.6	±0.50	3.50	±0.10
JASO F404-3067*	66.6	±0.50	3.50	±0.10
JASO F404-3071*	70.6	±0.80	3.50	±0.10
JASO F404-3075*	74.6	±0.80	3.50	±0.10
JASO F404-3080*	79.6	±0.80	3.50	±0.10
JASO F404-3085*	84.6	±0.80	3.50	±0.10
JASO F404-3090*	89.6	±0.80	3.50	±0.10
JASO F404-3095*	94.6	±0.80	3.50	±0.10
JASO F404-3100*	99.6	±0.80	3.50	±0.10
JASO F404-3106*	105.6	±0.80	3.50	±0.10
JASO F404-3112*	111.6	±0.80	3.50	±0.10
JASO F404-3118*	117.6	±0.80	3.50	±0.10
JASO F404-3125*	124.6	±0.80	3.50	±0.10
JASO F404-3132*	131.6	±1.20	3.50	±0.10
JASO F404-3140*	139.6	±1.20	3.50	±0.10
JASO F404-3150*	149.6	±1.20	3.50	±0.10
NW010*	15.00	±0.20	5.00	±0.15
NW016*	18.00	±0.25	5.00	±0.15
NW025*	28.00	±0.34	5.00	±0.15
NW040*	42.00	±0.40	5.00	±0.15
NW050*	53.00	±0.46	5.00	±0.15
NW063*	75.00	±0.61	5.00	±0.15
NW080*	88.00	±0.90	5.00	±0.15
NW100*	104.00	±1.00	5.00	±0.15
NW160*	156.82	±1.02	5.00	±0.15
NW200*	215.27	±1.27	5.00	±0.15
P002*	1.8	±0.17	1.90	±0.08
P003	2.8	±0.17	1.90	±0.08

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
P004	3.8	±0.17	1.90	±0.08
P005	4.8	±0.18	1.90	±0.08
P006	5.8	±0.18	1.90	±0.08
P007	6.8	±0.19	1.90	±0.08
P008	7.8	±0.19	1.90	±0.08
P009	8.8	±0.20	1.90	±0.08
P010	9.8	±0.20	1.90	±0.08
P010A	9.8	±0.20	2.40	±0.09
P011	10.8	±0.22	2.40	±0.09
P011.2	11.0	±0.22	2.40	±0.09
P012	11.8	±0.23	2.40	±0.09
P012.5	12.3	±0.23	2.40	±0.09
P014	13.8	±0.23	2.40	±0.09
P015	14.8	±0.24	2.40	±0.09
P016	15.8	±0.24	2.40	±0.09
P018	17.8	±0.25	2.40	±0.09
P020	19.8	±0.26	2.40	±0.09
P021	20.8	±0.28	2.40	±0.09
P022	21.8	±0.29	2.40	±0.09
P022.4	22.1	±0.29	3.50	±0.10
P022A	21.7	±0.29	3.50	±0.10
P024	23.7	±0.29	3.50	±0.10
P025	24.7	±0.30	3.50	±0.10
P026	25.7	±0.31	3.50	±0.10
P028	27.7	±0.34	3.50	±0.10
P029	28.7	±0.35	3.50	±0.10
P029.5	29.2	±0.35	3.50	±0.10
P030	29.7	±0.35	3.50	±0.10
P031	30.7	±0.36	3.50	±0.10
P031.5	31.2	±0.37	3.50	±0.10
P032	31.7	±0.37	3.50	±0.10
P034	33.7	±0.40	3.50	±0.10
P035	34.7	±0.41	3.50	±0.10
P036	35.7	±0.41	3.50	±0.10
P038	37.7	±0.44	3.50	±0.10
P039	38.7	±0.44	3.50	±0.10
P040	39.7	±0.44	3.50	±0.10
P041	40.7	±0.46	3.50	±0.10
P042	41.7	±0.47	3.50	±0.10
P044	43.7	±0.49	3.50	±0.10
P045	44.7	±0.49	3.50	±0.10
P046	45.7	±0.50	3.50	±0.10
P048	47.7	±0.53	3.50	±0.10
P048A	47.6	±0.53	5.70	±0.13
P049	48.7	±0.54	3.50	±0.10
P050	49.7	±0.54	3.50	±0.10
P050A	49.6	±0.54	5.70	±0.13
P052	51.6	±0.56	5.70	±0.13
P053	52.6	±0.58	5.70	±0.13
P055	54.6	±0.59	5.70	±0.13
P056	55.6	±0.60	5.70	±0.13
P058	57.6	±0.62	5.70	±0.13
P060	59.6	±0.64	5.70	±0.13
P062	61.6	±0.66	5.70	±0.13
P063	62.6	±0.67	5.70	±0.13
P065	64.6	±0.68	5.70	±0.13
P067	66.6	±0.71	5.70	±0.13
P070	69.6	±0.73	5.70	±0.13
P071	70.6	±0.74	5.70	±0.13

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
P075	74.6	±0.78	5.70	±0.13
P080	79.6	±0.83	5.70	±0.13
P085	84.6	±0.88	5.70	±0.13
P090	89.6	±0.92	5.70	±0.13
P095	94.6	±0.97	5.70	±0.13
P100	99.6	±1.00	5.70	±0.13
P102	101.6	±1.02	5.70	±0.13
P105	104.6	±1.04	5.70	±0.13
P110	109.6	±1.09	5.70	±0.13
P112	111.6	±1.10	5.70	±0.13
P115	114.6	±1.13	5.70	±0.13
P120	119.6	±1.18	5.70	±0.13
P1200*	1199.5	±9.00	8.40	±0.15
P125	124.6	±1.21	5.70	±0.13
P130	129.6	±1.26	5.70	±0.13
P132	131.6	±1.27	5.70	±0.13
P135	134.6	±1.31	5.70	±0.13
P140	139.6	±1.34	5.70	±0.13
P145	144.6	±1.39	5.70	±0.13
P150	149.6	±1.43	5.70	±0.13
P150A	149.5	±1.43	8.40	±0.15
P155	154.5	±1.48	8.40	±0.15
P160	159.5	±1.51	8.40	±0.15
P165	164.5	±1.56	8.40	±0.15
P170	169.5	±1.60	8.40	±0.15
P175	174.5	±1.64	8.40	±0.15
P180	179.5	±1.68	8.40	±0.15
P185	184.5	±1.73	8.40	±0.15
P190	189.5	±1.78	8.40	±0.15
P195	194.5	±1.81	8.40	±0.15
P200	199.5	±1.86	8.40	±0.15
P205	204.5	±1.90	8.40	±0.15
P209	208.5	±1.93	8.40	±0.15
P210	209.5	±1.94	8.40	±0.15
P215	214.5	±1.98	8.40	±0.15
P220	219.5	±2.02	8.40	±0.15
P225	224.5	±2.05	8.40	±0.15
P230	229.5	±2.10	8.40	±0.15
P235	234.5	±2.14	8.40	±0.15
P240	239.5	±2.17	8.40	±0.15
P245	244.5	±2.21	8.40	±0.15
P25.5	25.2	±0.30	3.50	±0.10
P250	249.5	±2.26	8.40	±0.15
P255	254.5	±2.29	8.40	±0.15
P260	259.5	±2.33	8.40	±0.15
P265	264.5	±2.36	8.40	±0.15
P270	269.5	±2.41	8.40	±0.15
P275	274.5	±2.45	8.40	±0.15
P280	279.5	±2.48	8.40	±0.15
P285	284.5	±2.52	8.40	±0.15
P290	289.5	±2.57	8.40	±0.15
P295	294.5	±2.60	8.40	±0.15
P300	299.5	±2.64	8.40	±0.15
P305*	304.5	±2.69	8.40	±0.15
P310*	309.5	±2.72	8.40	±0.15
P315	314.5	±2.76	8.40	±0.15
P320	319.5	±2.80	8.40	±0.15
P325*	324.5	±2.83	8.40	±0.15
P330*	329.5	±2.87	8.40	±0.15

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
P335	334.5	±2.90	8.40	±0.15
P340	339.5	±2.94	8.40	±0.15
P345*	344.5	±2.98	8.40	±0.15
P35.5	35.2	±0.41	3.50	±0.10
P350	349.5	±3.01	8.40	±0.15
P355	354.5	±3.05	8.40	±0.15
P360	359.5	±3.08	8.40	±0.15
P365*	364.5	±3.12	8.40	±0.15
P370	369.5	±3.16	8.40	±0.15
P375	374.5	±3.21	8.40	±0.15
P380*	379.5	±3.24	8.40	±0.15
P385	384.5	±3.28	8.40	±0.15
P390*	389.5	±3.32	8.40	±0.15
P395*	394.5	±3.35	8.40	±0.15
P400	399.5	±3.38	8.40	±0.15
P405	404.5	±3.60	8.40	±0.15
P410*	409.5	±3.60	8.40	±0.15
P415*	414.5	±3.60	8.40	±0.15
P420*	419.5	±3.60	8.40	±0.15
P425*	424.5	±3.60	8.40	±0.15
P430*	429.5	±3.60	8.40	±0.15
P435*	434.5	±3.60	8.40	±0.15
P440*	439.5	±3.60	8.40	±0.15
P445*	444.5	±3.60	8.40	±0.15
P450*	449.5	±3.60	8.40	±0.15
P455*	454.5	±3.96	8.40	±0.15
P460*	459.5	±3.96	8.40	±0.15
P465*	464.5	±3.96	8.40	±0.15
P470*	469.5	±3.96	8.40	±0.15
P475*	474.5	±3.96	8.40	±0.15
P480*	479.5	±3.96	8.40	±0.15
P485*	484.5	±3.96	8.40	±0.15
P490*	489.5	±3.96	8.40	±0.15
P495*	494.5	±3.96	8.40	±0.15
P500*	499.5	±3.96	8.40	±0.15
P505*	504.5	±4.44	8.40	±0.15
P510*	509.5	±4.44	8.40	±0.15
P515*	514.5	±4.44	8.40	±0.15
P520*	519.5	±4.44	8.40	±0.15
P525*	524.5	±4.44	8.40	±0.15
P530*	529.5	±4.44	8.40	±0.15
P535*	534.5	±4.44	8.40	±0.15
P540*	539.5	±4.44	8.40	±0.15
P545*	544.5	±4.44	8.40	±0.15
P550*	549.5	±4.44	8.40	±0.15
P555*	554.5	±4.80	8.40	±0.15
P560*	559.5	±4.80	8.40	±0.15
P565*	564.5	±4.80	8.40	±0.15
P570*	569.5	±4.80	8.40	±0.15
P575*	574.5	±4.80	8.40	±0.15
P580*	579.5	±4.80	8.40	±0.15
P585*	584.5	±4.80	8.40	±0.15
P590*	589.5	±4.80	8.40	±0.15
P595*	594.5	±4.80	8.40	±0.15
P600*	599.5	±4.80	8.40	±0.15
P610*	609.5	±5.64	8.40	±0.15
P620*	619.5	±5.64	8.40	±0.15
P630*	629.5	±5.64	8.40	±0.15
P640*	639.5	±5.64	8.40	±0.15

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
P650*	649.5	±5.64	8.40	±0.15
P660*	659.5	±5.64	8.40	±0.15
P670*	669.5	±5.64	8.40	±0.15
P680*	679.5	±5.64	8.40	±0.15
P690*	689.5	±5.64	8.40	±0.15
P700*	699.5	±5.64	8.40	±0.15
P710*	709.5	±6.36	8.40	±0.15
P720*	719.5	±6.36	8.40	±0.15
P730*	729.5	±6.36	8.40	±0.15
P740*	739.5	±6.36	8.40	±0.15
P750*	749.5	±6.36	8.40	±0.15
P760*	759.5	±6.36	8.40	±0.15
P770*	769.5	±6.36	8.40	±0.15
P780*	779.5	±6.36	8.40	±0.15
P790*	789.5	±6.36	8.40	±0.15
P800*	799.5	±6.36	8.40	±0.15
P810*	809.5	±7.20	8.40	±0.15
S002*	1.5	±0.24	1.50	±0.10
S003	2.5	±0.24	1.50	±0.10
S004	3.5	±0.24	1.50	±0.10
S005	4.5	±0.24	1.50	±0.10
S006	5.5	±0.24	1.50	±0.10
S007	6.5	±0.24	1.50	±0.10
S008	7.5	±0.24	1.50	±0.10
S009	8.5	±0.24	1.50	±0.10
S010	9.5	±0.24	1.50	±0.10
S012	11.5	±0.24	1.50	±0.10
S012.5	12.0	±0.24	1.50	±0.10
S014	13.5	±0.24	1.50	±0.10
S015	14.5	±0.24	1.50	±0.10
S016	15.5	±0.24	1.50	±0.10
S018	17.5	±0.24	1.50	±0.10
S020	19.5	±0.30	1.50	±0.10
S022	21.5	±0.30	1.50	±0.10
S022.4	21.9	±0.30	2.00	±0.10
S024	23.5	±0.30	2.00	±0.10
S025	24.5	±0.30	2.00	±0.10
S026	25.5	±0.30	2.00	±0.10
S028	27.5	±0.30	2.00	±0.10
S029	28.5	±0.30	2.00	±0.10
S030	29.5	±0.30	2.00	±0.10
S031.5	31.0	±0.30	2.00	±0.10
S032	31.5	±0.30	2.00	±0.10
S034	33.5	±0.30	2.00	±0.10
S035	34.5	±0.30	2.00	±0.10
S035.5	35.0	±0.30	2.00	±0.10
S036	35.5	±0.30	2.00	±0.10
S038	37.5	±0.30	2.00	±0.10
S039	38.5	±0.30	2.00	±0.10
S040	39.5	±0.30	2.00	±0.10
S042	41.5	±0.50	2.00	±0.10
S044	43.5	±0.50	2.00	±0.10
S045	44.5	±0.50	2.00	±0.10
S046	45.5	±0.50	2.00	±0.10
S048	47.5	±0.50	2.00	±0.10
S050	49.5	±0.50	2.00	±0.10
S053	52.5	±0.50	2.00	±0.10
S055	54.5	±0.50	2.00	±0.10
S056	55.5	±0.50	2.00	±0.10

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
S060	59.5	±0.50	2.00	±0.10
S063	62.5	±0.50	2.00	±0.10
S065	64.5	±0.50	2.00	±0.10
S067	66.5	±0.50	2.00	±0.10
S070	69.5	±0.50	2.00	±0.10
S071	70.5	±0.80	2.00	±0.10
S075	74.5	±0.80	2.00	±0.10
S080	79.5	±0.80	2.00	±0.10
S082	81.5	±0.80	2.00	±0.10
S085	84.5	±0.80	2.00	±0.10
S090	89.5	±0.80	2.00	±0.10
S095	94.5	±0.80	2.00	±0.10
S100	99.5	±0.80	2.00	±0.10
S105	104.5	±0.80	2.00	±0.10
S11.2	10.7	±0.24	1.50	±0.10
S110	109.5	±0.80	2.00	±0.10
S112	111.5	±0.80	2.00	±0.10
S115	114.5	±0.80	2.00	±0.10
S120	119.5	±0.80	2.00	±0.10
S125	124.5	±0.80	2.00	±0.10
S130	129.5	±1.20	2.00	±0.10
S132	131.5	±1.20	2.00	±0.10
S135	134.5	±1.20	2.00	±0.10
S140	139.5	±1.20	2.00	±0.10
S145	144.5	±1.20	2.00	±0.10
S150	149.5	±1.20	2.00	±0.10
S155*	154.5	±1.20	2.00	±0.10
S160*	159.5	±1.20	2.00	±0.10
S165*	164.5	±1.20	2.00	±0.10
S170*	169.5	±1.20	2.00	±0.10
S175*	174.5	±1.20	2.00	±0.10
S180*	179.5	±1.20	2.00	±0.10
S185*	184.5	±1.20	2.00	±0.10
S190*	189.5	±1.60	2.00	±0.10
S195*	194.5	±1.60	2.00	±0.10
S200*	199.5	±1.60	2.00	±0.10
S205*	204.5	±1.60	2.00	±0.10
S210*	209.5	±1.60	2.00	±0.10
S215*	214.5	±1.60	2.00	±0.10
S220*	219.5	±1.60	2.00	±0.10
S225*	224.5	±1.60	2.00	±0.10
S230*	229.5	±1.60	2.00	±0.10
S235*	234.5	±1.60	2.00	±0.10
S240*	239.5	±1.60	2.00	±0.10
S245*	244.5	±1.60	2.00	±0.10
S250*	249.5	±1.60	2.00	±0.10
S255*	254.5	±1.60	2.00	±0.10
S260*	259.5	±1.60	2.00	±0.10
S265*	264.5	±1.60	2.00	±0.10
S270*	269.5	±1.60	2.00	±0.10
S275*	274.5	±1.60	2.00	±0.10
S280*	279.5	±1.60	2.00	±0.10
S285*	284.5	±1.60	2.00	±0.10
S290*	289.5	±1.60	2.00	±0.10
S295*	294.5	±1.60	2.00	±0.10
S300*	299.5	±1.60	2.00	±0.10
SS010*	1.0	±0.12	1.00	±0.05
SS012*	1.2	±0.12	1.00	±0.05
SS015*	1.5	±0.12	1.00	±0.05

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
SS018*	1.8	±0.12	1.00	±0.05
SS020*	2.0	±0.12	1.00	±0.05
SS022*	2.2	±0.12	1.00	±0.05
SS025*	2.5	±0.12	1.00	±0.05
SS028*	2.8	±0.12	1.00	±0.05
SS030*	3.0	±0.12	1.00	±0.05
SS032*	3.2	±0.12	1.00	±0.05
SS035*	3.5	±0.12	1.00	±0.05
SS038*	3.8	±0.12	1.00	±0.05
SS040*	4.0	±0.12	1.00	±0.05
SS042*	4.2	±0.12	1.00	±0.05
SS045*	4.5	±0.12	1.00	±0.05
SS048*	4.8	±0.12	1.00	±0.05
SS050*	5.0	±0.12	1.00	±0.05
SS055*	5.5	±0.12	1.00	±0.05
SS060*	6.0	±0.12	1.00	±0.05
SS065*	6.5	±0.12	1.00	±0.05
SS070*	7.0	±0.12	1.00	±0.05
SS075*	7.5	±0.12	1.00	±0.05
SS075*	7.5	±0.12	1.00	±0.05
SS080*	8.0	±0.12	1.00	±0.05
SS085*	8.5	±0.12	1.00	±0.05
SS090*	9.0	±0.12	1.00	±0.05
SS095*	9.5	±0.12	1.00	±0.05
SS100*	10.0	±0.12	1.00	±0.05
SS105*	10.5	±0.12	1.00	±0.05
SS110*	11.0	±0.12	1.00	±0.05
SS115*	11.5	±0.12	1.00	±0.05
SS120*	12.0	±0.12	1.00	±0.05
SS125*	12.5	±0.12	1.00	±0.05
SS130*	13.0	±0.12	1.00	±0.05
SS135*	13.5	±0.12	1.00	±0.05
SS140*	14.0	±0.12	1.00	±0.05
SS145*	14.5	±0.12	1.00	±0.05
SS150*	15.0	±0.12	1.00	±0.05
SS155*	15.5	±0.12	1.00	±0.05
SS160*	16.0	±0.12	1.00	±0.05
SS165*	16.5	±0.12	1.00	±0.05
SS170*	17.0	±0.12	1.00	±0.05
SS175*	17.5	±0.12	1.00	±0.05
SS180*	18.0	±0.12	1.00	±0.05
SS185*	18.5	±0.12	1.00	±0.05
SS190*	19.0	±0.12	1.00	±0.05
SS195*	19.5	±0.12	1.00	±0.05
SS200*	20.0	±0.12	1.00	±0.05
V010*	9.5	±0.24	4.00	±0.12
V011*	10.5	±0.24	4.00	±0.12
V012*	11.5	±0.24	4.00	±0.12
V014*	13.5	±0.24	4.00	±0.12
V015	14.5	±0.24	4.00	±0.12
V016*	15.5	±0.29	4.00	±0.12
V018*	17.5	±0.29	4.00	±0.12
V020*	19.5	±0.29	4.00	±0.12
V021*	20.5	±0.29	4.00	±0.12
V022*	21.5	±0.29	4.00	±0.12
V024	23.5	±0.29	4.00	±0.12
V025*	24.5	±0.40	4.00	±0.12
V026*	25.5	±0.40	4.00	±0.12
V028*	27.5	±0.40	4.00	±0.12

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
V030*	29.5	±0.40	4.00	±0.12
V032*	31.5	±0.40	4.00	±0.12
V034	33.5	±0.40	4.00	±0.12
V035*	34.5	±0.44	4.00	±0.12
V036*	35.5	±0.44	4.00	±0.12
V038*	37.5	±0.44	4.00	±0.12
V040	39.5	±0.44	4.00	±0.12
V042*	41.5	±0.59	4.00	±0.12
V044*	43.5	±0.59	4.00	±0.12
V045*	44.5	±0.59	4.00	±0.12
V046*	45.5	±0.59	4.00	±0.12
V048*	47.5	±0.59	4.00	±0.12
V050*	49.5	±0.59	4.00	±0.12
V053*	52.5	±0.59	4.00	±0.12
V055	54.5	±0.59	4.00	±0.12
V058*	57.5	±0.73	4.00	±0.12
V060*	59.5	±0.73	4.00	±0.12
V063*	62.5	±0.73	4.00	±0.12
V065*	64.5	±0.73	4.00	±0.12
V067*	66.5	±0.73	4.00	±0.12
V070	69.0	±0.73	4.00	±0.12
V075*	74.0	±0.86	4.00	±0.12
V080*	79.0	±0.86	4.00	±0.12
V085	84.0	±0.86	4.00	±0.12
V090*	89.0	±1.00	4.00	±0.12
V095*	94.0	±1.00	4.00	±0.12
V100	99.0	±1.00	4.00	±0.12
V105*	104.0	±1.16	4.00	±0.12
V1055	1044.0	±8.00	10.00	±0.36
V110*	109.0	±1.16	4.00	±0.12
V115*	114.0	±1.16	4.00	±0.12
V120	119.0	±1.16	4.00	±0.12
V125*	124.0	±1.16	4.00	±0.12
V130*	129.0	±1.42	4.00	±0.12
V135*	134.0	±1.42	4.00	±0.12
V140*	138.5	±1.42	4.00	±0.12
V145*	143.5	±1.42	4.00	±0.12
V150	148.5	±1.42	4.00	±0.12
V155*	153.0	±1.63	4.00	±0.12
V160*	158.0	±1.63	4.00	±0.12
V165*	163.0	±1.63	4.00	±0.12
V170*	168.0	±1.63	4.00	±0.12
V175	173.0	±1.63	4.00	±0.12
V180*	178.0	±1.84	4.00	±0.12
V185*	183.0	±1.84	4.00	±0.12
V190*	188.0	±1.84	4.00	±0.12
V195*	193.0	±1.84	4.00	±0.12
V200*	198.0	±1.84	4.00	±0.12
V205*	203.0	±2.04	4.00	±0.12
V210*	208.0	±2.04	4.00	±0.12
V215*	213.0	±2.04	4.00	±0.12
V220*	218.0	±2.04	4.00	±0.12
V225	222.5	±2.34	6.00	±0.18
V230*	227.5	±2.34	6.00	±0.18
V235*	232.5	±2.34	6.00	±0.18
V240*	237.5	±2.34	6.00	±0.18
V245*	242.5	±2.34	6.00	±0.18
V250*	247.5	±2.34	6.00	±0.18
V255*	252.5	±2.64	6.00	±0.18

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
V260*	257.5	±2.64	6.00	±0.18
V265*	262.5	±2.64	6.00	±0.18
V270*	267.5	±2.64	6.00	±0.18
V275	272.0	±2.64	6.00	±0.18
V280*	277.0	±2.72	6.00	±0.18
V285*	282.0	±2.72	6.00	±0.18
V290*	287.0	±2.72	6.00	±0.18
V295*	292.0	±2.72	6.00	±0.18
V300*	297.0	±2.72	6.00	±0.18
V305*	302.0	±2.81	6.00	±0.18
V310*	307.0	±2.81	6.00	±0.18
V315*	312.0	±2.81	6.00	±0.18
V320*	317.0	±2.81	6.00	±0.18
V325	321.5	±2.81	6.00	±0.18
V330*	326.5	±3.01	6.00	±0.18
V335*	331.5	±3.01	6.00	±0.18
V340*	336.5	±3.01	6.00	±0.18
V345*	341.5	±3.01	6.00	±0.18
V350*	346.5	±3.01	6.00	±0.18
V355*	351.5	±3.22	6.00	±0.18
V360*	356.5	±3.22	6.00	±0.18
V365*	361.5	±3.22	6.00	±0.18
V370*	366.5	±3.22	6.00	±0.18
V375*	371.5	±3.22	6.00	±0.18
V380	376.0	±3.22	6.00	±0.18
V385*	381.0	±3.40	6.00	±0.18
V390*	386.0	±3.40	6.00	±0.18
V395*	391.0	±3.40	6.00	±0.18
V400*	396.0	±3.40	6.00	±0.18
V405*	401.0	±3.59	6.00	±0.18
V410*	406.0	±3.59	6.00	±0.18
V415*	411.0	±3.59	6.00	±0.18
V420*	416.0	±3.59	6.00	±0.18
V425*	421.0	±3.59	6.00	±0.18
V430	425.5	±3.59	6.00	±0.18
V435*	430.5	±3.78	6.00	±0.18
V440*	435.5	±3.78	6.00	±0.18
V445*	440.5	±3.78	6.00	±0.18
V450*	445.5	±3.78	6.00	±0.18
V455*	450.5	±3.96	6.00	±0.18
V460*	454.5	±3.96	6.00	±0.18
V465*	460.5	±3.96	6.00	±0.18
V470*	465.5	±3.96	6.00	±0.18
V475*	470.5	±3.96	6.00	±0.18
V480	475.0	±4.32	10.00	±0.36
V490*	485.0	±4.32	10.00	±0.36
V500*	494.5	±4.32	10.00	±0.36
V510*	504.5	±4.32	10.00	±0.36
V520*	514.5	±4.32	10.00	±0.36
V530	524.5	±4.32	10.00	±0.36
V540*	534.0	±4.70	10.00	±0.36
V550*	544.0	±4.70	10.00	±0.36
V560*	554.0	±4.70	10.00	±0.36
V570*	564.0	±4.70	10.00	±0.36
V580*	574.0	±4.70	10.00	±0.36
V585	579.0	±4.70	10.00	±0.36
V590*	584.0	±5.09	10.00	±0.36
V600*	593.5	±5.09	10.00	±0.36
V610*	603.5	±5.09	10.00	±0.36

* Available only in select compounds.

Part #	ID2	Tor ID	CSD	Tor CSD
V620*	613.5	±5.09	10.00	±0.36
V630*	623.5	±5.09	10.00	±0.36
V640	633.5	±5.09	10.00	±0.36
V650*	643.0	±5.45	10.00	±0.36
V660*	653.0	±5.45	10.00	±0.36
V670*	663.0	±5.45	10.00	±0.36
V680*	673.0	±5.45	10.00	±0.36
V690	683.0	±5.45	10.00	±0.36
V700*	692.5	±5.80	10.00	±0.36
V710*	702.5	±5.80	10.00	±0.36
V720*	712.5	±5.80	10.00	±0.36
V730*	722.5	±5.80	10.00	±0.36
V740	732.5	±5.80	10.00	±0.36
V750*	742.0	±6.14	10.00	±0.36
V760*	752.0	±6.14	10.00	±0.36
V770*	762.0	±6.14	10.00	±0.36
V780*	772.0	±6.14	10.00	±0.36
V790	782.0	±6.14	10.00	±0.36
V800*	791.5	±6.53	10.00	±0.36
V845	836.5	±6.53	10.00	±0.36
V880*	871.5	±7.27	10.00	±0.36
V950	940.5	±7.27	10.00	±0.36

* Available only in select compounds.