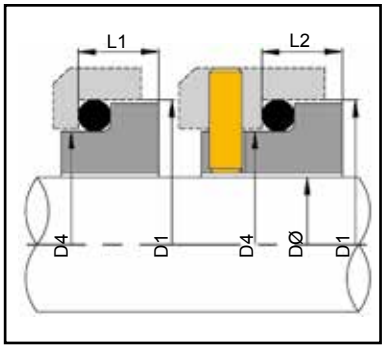
MECHANICAL SEALS

PRODUCT DATA SHEET

Seats

TYPE 8DIN SHORT/LONG 'O'-RING SEATS



Common 'O'-Ring mounted stationaries to suit EURO-DIN housing sizes, designed to provide a wide range of compatability with Abbey Seals rotary seal types.

Type 8DIN LONG has an anti-rotation pin provision and is recomended particularly for larger shaft sizes and / or more viscous media. Type 8DIN SHORT is a standard short EURO-DIN seat with no pin slot.

ABBEY SEALS STANDARD SIZES

Metric Shaft Size DØ	Size Code	D1	D4	DINS L1	DINL L2	DINL SLOT WIDTH	DINL SLOT DEPTH
10	0100	21.00	16.42	6.60	10.00	4.00	5.00
12	0120	23.00	18.42	6.60	10.00	4.00	5.00
14	0140	25.00	20.42	6.60	10.00	4.00	5.00
16	0160	27.00	22.42	6.60	10.00	4.00	5.00
18	0180	33.00	26.60	7.50	11.50	4.00	5.50
20	0200	35.00	28.60	7.50	11.50	4.00	5.50
22	0220	37.00	30.60	7.50	11.50	4.00	5.50
24	0240	39.00	32.60	7.50	11.50	4.00	5.50
25	0250	40.00	33.60	7.50	11.50	4.00	5.50
28	0280	43.00	36.60	7.50	11.50	4.00	5.50
30	0300	45.00	38.60	7.50	11.50	4.00	5.50
32	0320	48.00	41.60	7.50	11.50	4.00	5.50
33	0330	48.00	41.60	7.50	11.50	4.00	5.50
35	0350	50.00	43.80	7.50	11.50	4.00	5.50
38	0380	56.00	48.80	9.00	14.00	5.00	5.50
40	0400	58.00	50.80	9.00	14.00	5.00	5.50
43	0430	61.00	53.80	9.00	14.00	5.00	5.50
45	0450	63.00	55.80	9.00	14.00	5.00	5.50
48	0480	66.00	58.80	9.00	14.00	5.00	5.50
50	0500	70.00	61.25	9.50	15.00	5.00	5.50
53	0530	73.00	64.25	11.00	15.00	5.00	5.50
55	0550	75.00	66.25	11.00	15.00	5.00	5.50
58	0580	78.00	69.25	11.00	15.00	5.00	5.50
60	0600	80.00	71.25	11.00	15.00	5.00	5.50
63	0630	83.00	74.25	11.00	15.00	5.00	5.50
65	0650	85.00	76.25	11.00	15.00	5.00	5.50
68	0680	90.00	80.50	11.30	18.00	5.00	5.50
70	0700	92.00	82.60	11.30	18.00	5.00	5.50
75	0750	97.00	87.60	11.30	18.00	5.00	5.50
80	0800	105.00	94.70	12.00	18.20	5.00	5.50
85	0850	110.00	99.70	14.00	18.20	5.00	5.50
90	0900	115.00	104.70	14.00	18.20	5.00	5.50
95	0950	120.00	109.70	14.00	17.20	5.00	5.50
100	1000	125.00	114.70	14.00	17.20	5.00	5.50

All sizes shown of Type 8 DINL and 8 DINS seats are part of our Guaranteed Ex-stock Range, in 99% Ceramic and RB SiC Carbide; but Type 8 DINS is guaranteed up to and including 80 mm size only. Carbon, SiNSiC Carbide and Tungsten Carbide seats, along with larger sizes of Type 8 DINS over 80 mm, are stocked in most, but not all, sizes. All stocked seats are available with either Nitrile, E.P. or Viton® Elastomers.

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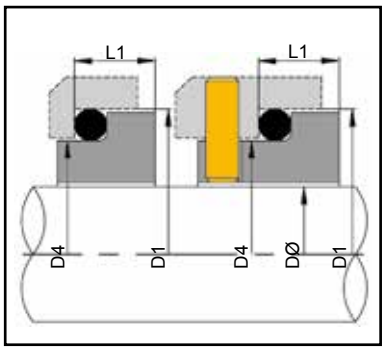
TYPE 24 SHORT/LONG 'O'-RING SEATS



Common 'O'-Ring mounted stationaries to suit DIN housing sizes, designed to provide a wide range of compatability with Abbey Seals rotary types.

Type 24DIN LONG has anti-rotation provision and is recomended particularly for larger shaft sizes and / or more viscous media. Type 24DIN SHORT is a standard short DIN seat with no pin slot.

ABBEY SEALS STANDARD SIZES

Metric Shaft Size DØ	Size Code	D1	D4	DINS / DINL L1	DINL SLOT WIDTH	DINL SLOT DEPTH
10	0100	21.00	16.42	8.60	4.00	5.00
12	0120	23.00	18.42	8.60	4.00	5.00
14	0140	25.00	20.42	8.60	4.00	5.00
16	0160	27.00	22.42	8.60	4.00	5.00
18	0180	33.00	26.60	10.00	4.00	5.50
20	0200	35.00	28.60	10.00	4.00	5.50
22	0220	37.00	30.60	10.00	4.00	5.50
24	0240	39.00	32.60	10.00	4.00	5.50
25	0250	40.00	33.60	10.00	4.00	5.50
28	0280	43.00	36.60	10.00	4.00	5.50
30	0300	45.00	38.60	10.00	4.00	5.50
32	0320	48.00	41.60	10.00	4.00	5.50
33	0330	48.00	41.60	10.00	4.00	5.50
35	0350	50.00	43.80	10.00	4.00	5.50
38	0380	56.00	48.80	11.00	5.00	5.50
40	0400	58.00	50.80	11.00	5.00	5.50
43	0430	61.00	53.80	11.00	5.00	5.50
45	0450	63.00	55.80	11.00	5.00	5.50
48	0480	66.00	58.80	11.00	5.00	5.50
50	0500	70.00	61.25	13.00	5.00	5.50
53	0530	73.00	64.25	13.00	5.00	5.50
55	0550	75.00	66.25	13.00	5.00	5.50
58	0580	78.00	69.25	13.00	5.00	5.50
60	0600	80.00	71.25	13.00	5.00	5.50
63	0630	83.00	74.25	13.00	5.00	5.50
65	0650	85.00	76.25	13.00	5.00	5.50
68	0680	90.00	80.50	15.30	5.00	5.50
70	0700	92.00	82.60	15.30	5.00	5.50
75	0750	97.00	87.60	15.30	5.00	5.50
80	0800	105.00	94.70	15.70	5.00	5.50
85	0850	110.00	99.70	15.70	5.00	5.50
90	0900	115.00	104.70	15.70	5.00	5.50
95	0950	120.00	109.70	15.70	5.00	5.50
100	1000	125.00	114.70	15.70	5.00	5.50

All sizes shown of Type 24 DINL and 24 DINS seats are part of our Guaranteed Ex-Stock range, in 99% Ceramic and RB SiC; but Type 24 DINS seats is guaranteed up to and including 80 mm size only. Tungsten Carbide seats and larger sizes of Type 24 DINS, over 80 mm, are stocked in most, but not all, sizes.
All stocked seats are available with either Nitrile, E.P. or Viton® Elastomers.

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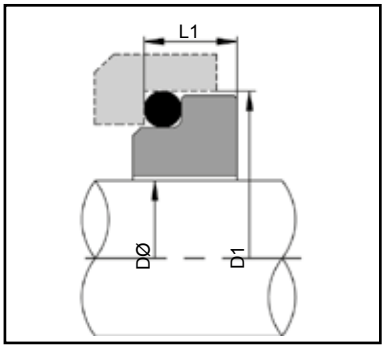
STANDARD ‘O’-RING MOUNTED SEATS



Common Abbey Seals ‘O’-Ring mounted designs without anti-rotation provision, to suit common European housing sizes including DIN.

These are industry standard seats, commonly specified for Conical Spring Seals on general duties. However, consideration should be given to using long-style seats, with anti-rotation provision, should the conditions necessitate.

ABBEY SEALS STANDARD SIZES

Metric Shaft	Size	Type 8.STD		Type 8B		Type 12		Type 12DIN		Type 13		Type 13DIN	
Size DØ	Code	D1	L1	D1	L1	D1	L1	D1	L1	D1	L1	D1	L1
10	0100	19.20	6.60	19.20	7.10	18.10	5.50	21.00	7.00	18.10	5.50	21.00	7.00
11	0110	--	--	--	--	20.60	5.50	--	--	20.60	5.50	--	--
12	0120	21.60	5.60	21.60	7.60	20.60	5.50	23.00	7.00	20.60	5.50	23.00	7.00
13	0130	--	--	--	--	23.10	6.00	--	--	23.10	6.00	--	--
14	0140	24.60	5.60	24.60	7.60	23.10	6.00	25.00	7.00	23.10	6.00	25.00	7.00
15	0150	24.60	6.60	24.60	8.60	26.90	7.00	--	--	26.90	7.00	--	--
16	0160	28.00	7.50	28.00	9.00	26.90	7.00	27.00	7.00	26.90	7.00	27.00	7.00
17	0170	--	--	--	--	26.90	7.00	--	--	26.90	7.00	--	--
18	0180	30.00	8.00	30.00	10.00	30.90	8.00	33.00	10.00	30.90	8.00	33.00	10.00
19	0190	31.00	7.50	31.00	9.00	30.90	8.00	--	--	30.90	8.00	--	--
20	0200	35.00	7.50	35.00	9.50	30.90	8.00	35.00	10.00	30.90	8.00	35.00	10.00
21	0210	--	--	--	--	35.40	8.00	--	--	35.40	8.00	--	--
22	0220	35.00	7.50	35.00	9.50	35.40	8.00	37.00	10.00	35.40	8.00	37.00	10.00
23	0230	--	--	--	--	35.40	8.00	--	--	35.40	8.00	--	--
24	0240	38.00	7.50	38.00	9.50	35.40	8.00	39.00	10.00	35.40	8.00	39.00	10.00
25	0250	38.00	7.50	38.00	9.50	38.20	8.50	40.00	10.00	38.20	8.50	40.00	10.00
26	0260	40.00	8.00	40.00	10.00	38.20	8.50	--	--	--	--	--	--
28	0280	42.00	9.00	42.00	11.00	43.30	9.00	43.00	10.00	43.30	9.00	43.00	10.00
30	0300	45.00	10.50	45.00	11.00	43.30	9.00	45.00	10.00	43.30	9.00	45.00	10.00
32	0320	48.00	10.50	48.00	11.00	43.30	9.00	48.00	10.00	43.30	9.00	48.00	10.00
33	0330	50.00	11.00	--	--	53.50	11.50	48.00	10.00	53.50	9.00	48.00	10.00
35	0350	52.00	11.00	52.00	11.50	53.50	11.50	50.00	10.00	53.50	11.50	50.00	10.00
38	0380	55.00	10.30	55.00	11.50	60.50	11.50	56.00	13.00	60.50	11.50	56.00	13.00
40	0400	58.00	10.80	58.00	11.50	60.50	11.50	58.00	13.00	60.50	11.50	58.00	13.00
42	0420	62.00	12.00	62.00	14.30	60.50	11.50	--	--	--	--	--	--
43	0430	62.00	12.00	62.00	14.30	60.50	11.50	61.00	13.00	--	--	--	--
44	0440	--	--	--	--	65.50	11.50	--	--	--	--	--	--
45	0450	64.00	11.60	64.00	14.30	65.50	11.50	63.00	13.00	--	--	--	--
48	0480	68.40	11.60	68.40	14.30	65.50	11.50	66.00	13.00	--	--	--	--
50	0500	69.30	11.60	69.30	14.30	72.50	11.50	70.00	14.00	--	--	--	--
53	0530	--	--	--	--	--	--	73.00	14.00	--	--	--	--
55	0550	75.40	13.30	75.40	15.30	72.50	11.50	75.00	14.00	--	--	--	--
58	0580	78.40	13.30	78.40	15.30	--	--	78.00	14.00	--	--	--	--
60	0600	80.40	13.30	80.40	15.30	79.30	11.50	80.00	14.00	--	--	--	--
63	0630	--	--	--	--	--	--	83.00	14.00	--	--	--	--
65	0650	85.40	13.00	85.40	15.30	84.50	11.50	85.00	14.00	--	--	--	--
68	0680	91.50	13.70	91.50	16.00	--	--	90.00	14.00	--	--	--	--
70	0700	92.00	13.00	92.00	15.30	89.50	11.50	92.00	16.00	--	--	--	--
75	0750	99.00	14.00	99.00	15.30	94.50	11.50	97.00	16.00	--	--	--	--
80	0800	104.00	15.00	104.00	16.30	99.50	11.50	105.00	18.00	--	--	--	--
85	0850	109.00	14.80	--	--	105.50	13.50	110.00	18.00	--	--	--	--
90	0900	114.00	14.80	--	--	111.50	13.50	115.00	18.00	--	--	--	--
95	0950	120.30	15.80	--	--	116.50	13.50	120.00	18.00	--	--	--	--
100	1000	123.30	15.80	--	--	119.50	13.50	125.00	18.00	--	--	--	--

All sizes shown of Type 8 STD, 8B, 12, 12DIN,13 & 13DIN seats are part of our Guaranteed Ex-Stock range, in RB SiC; but Type 8 STD seats are guaranteed up to and including 80 mm size only.
Tungsten Carbide seats and larger sizes of Type 8 STD, over 80 mm, are stocked in most, but not all, sizes.
All stocked seats are available with either Nitrile, E.P. or Viton® Elastomers.

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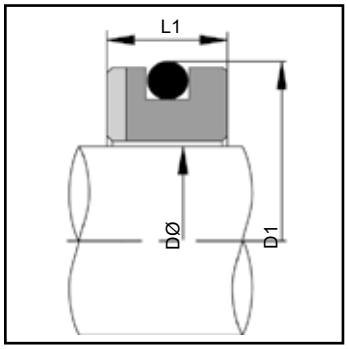
TYPE 21/31 NON-DIN 'O'-RING SEATS



'O'-Ring mounted, monolithic 'H'- configuration stationaries, to suit common European housings (Type 21) or common American (Type 31) housing dimensions.

These stationaries provide the benefits of both a short fitting length with a rear face pinhole and thus of being able to be pinned throughout the size range. This provides an optional anti-rotation feature within a seat of short operational length.

Abbey Seals STANDARD SIZES

Imperial Shaft Size DØ	Metric Shaft Size DØ	Size Code	TYPE 21				TYPE 31			
			D1		L1		D1		L1	
			Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
0.375	10	0095	0.969	24.60	0.344	8.74	0.812	20.62	0.312	7.93
	12	0120	1.094	27.79	0.344	8.74	--	--	--	--
0.500		0127	1.094	27.79	0.344	8.74	1.000	25.40	0.312	7.93
0.625	16	0158	1.219	30.95	0.406	10.32	1.250	31.75	0.405	10.28
	18*	0180	1.344	34.15	0.406	10.32	--	--	--	--
0.750	19	0191	1.344	34.15	0.406	10.32	1.375	34.93	0.405	10.28
	20*	0200	1.406	35.70	0.406	10.32	--	--	--	--
0.875	22	0222	1.469	37.30	0.406	10.32	1.469	37.30	0.406	10.32
1.000	25	0254	1.594	40.50	0.406	10.32	1.625	41.28	0.437	11.10
	28	0280	1.875	47.63	0.472	11.99	--	--	--	--
1.125		0286	1.875	47.63	0.472	11.99	1.750	44.44	0.437	11.10
	30*	0300	2.000	50.80	0.472	11.99	--	--	--	--
1.250	32	0317	2.000	50.80	0.472	11.99	1.875	47.63	0.437	11.10
	33*	0330	2.125	53.98	0.472	11.99	--	--	--	--
1.375	35	0349	2.125	53.98	0.472	11.99	2.000	50.80	0.437	11.10
1.500	38	0381	2.250	57.15	0.472	11.99	2.125	53.98	0.437	11.10
	40*	0400	2.375	60.33	0.472	11.99	--	--	--	--
1.625		0412	2.375	60.33	0.472	11.99	2.375	60.33	0.500	12.70
	43*	0430	2.500	63.50	0.472	11.99	--	--	--	--
1.750	45	0444	2.500	63.50	0.472	11.99	2.500	63.50	0.500	12.70
1.875	48	0476	2.625	66.68	0.472	11.99	2.625	66.68	0.500	12.70
	50	0500	2.750	69.85	0.531	13.50	--	--	--	--
2.000		0508	2.750	69.85	0.531	13.50	2.750	69.85	0.500	12.70
	53	0530	2.875	73.03	0.531	13.50	--	--	--	--
2.125		0539	2.875	73.03	0.531	13.50	3.000	76.20	0.562	14.28
	55*	0550	3.000	76.20	0.531	13.50	--	--	--	--
2.250		0571	3.000	76.20	0.531	13.50	3.125	79.38	0.562	14.28
2.375	60	0603	3.125	79.38	0.531	13.50	3.250	82.55	0.562	14.28
2.500		0635	3.250	82.55	0.531	13.50	3.375	85.73	0.562	14.28
	65*	0650	3.625	92.08	0.625	15.88	--	--	--	--
2.625		0666	3.625	92.08	0.625	15.88	3.375	85.73	0.562	14.28
2.750	70	0698	3.750	95.25	0.625	15.88	3.500	88.90	0.625	15.88
2.875		0730	3.875	98.43	0.625	15.88	3.750	95.25	0.625	15.88
	75*	0750	4.000	101.60	0.625	15.88	--	--	--	--
3.000		0762	4.000	101.60	0.625	15.88	3.875	98.43	0.625	15.88
3.125*	80*	0794	4.375	111.13	0.783	19.88	4.000	101.60	0.783	19.88
3.250*		0825	4.500	114.30	0.783	19.88	4.125	104.78	0.783	19.88
3.375*	85*	0857	4.625	117.48	0.783	19.88	4.250	107.95	0.783	19.88
3.500*	90*	0889	4.750	120.65	0.783	19.88	4.375	111.13	0.783	19.88
3.625*		0921	4.875	123.83	0.783	19.88	4.500	114.30	0.783	19.88
3.750*	95*	0953	5.000	127.00	0.783	19.88	4.625	117.48	0.783	19.88
3.875*		0984	5.125	130.17	0.783	19.88	--	--	--	--
4.000*	100*	1016	5.250	133.35	0.783	19.88	4.875	123.83	0.783	19.88

All non-asterisked sizes shown of Type 21 seats are part of our Guaranteed Ex-stock Range, in 99% Ceramic, 304 Stainless Steel and RB SiC. All non-asterisked sizes shown of Type 31 seats are part of our Guaranteed Ex-stock Range in Ni-Resist and RB SiC. Ni-Resist and Tungsten Carbide Type 21 and 99% Ceramic, 304 Stainless Steel and Tungsten Carbide Type 31 are stocked in most, but not all, sizes.
All stocked seats are available with either Nitrile, E.P. or Viton® Elastomers

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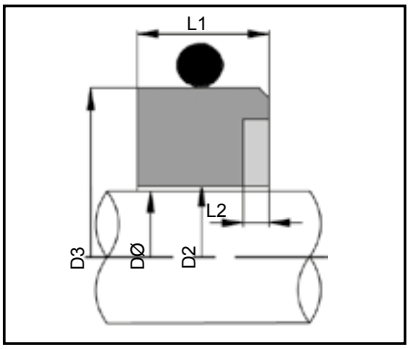
TYPE 32 PUSH-FIT "BLOCK" SEATS



Monolithic stationary ring, with an 'O'-Ring installed in a radial groove outside of the stationary ring. This method of installation allows direct contact between the back of the stationary ring and the pump housing.

This design of stationary promotes efficient heat transfer, from the seal faces and the seat ring, to the pump body. Making this seat design ideal for higher temperature media duties. The anti-rotation provision is recommended on this Type 32.

Abbey Seals STANDARD SIZES

Imperial Shaft Size DØ	Size Code	D2		D3		L1		L2		SLOT P.C.D.		'O'-Ring Size
		Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	
0.500*	0127	0.543	13.80	0.996	25.30	0.311	7.90	0.098	2.50	0.780	19.80	BS214
0.625*	0158	0.669	16.98	1.246	31.65	0.406	10.30	0.098	2.50	0.953	24.20	BS218
0.750*	0191	0.793	20.15	1.371	34.82	0.406	10.30	0.098	2.50	1.093	27.75	BS220
0.875*	0222	0.919	23.33	1.496	38.00	0.406	10.30	0.098	2.50	1.220	31.00	BS222
1.000	0254	1.043	26.50	1.621	41.18	0.439	11.15	0.098	2.50	1.343	34.10	BS223
1.125	0286	1.184	30.08	1.746	44.35	0.439	11.15	0.098	2.50	1.469	37.30	BS224
1.250	0317	1.309	33.25	1.871	47.53	0.439	11.15	0.098	2.50	1.594	40.50	BS225
1.375	0349	1.434	36.43	1.996	50.70	0.439	11.15	0.098	2.50	1.717	43.60	BS226
1.500	0381	1.559	39.60	2.121	53.88	0.439	11.15	0.098	2.50	1.843	46.80	BS227
1.625	0412	1.684	42.78	2.371	60.23	0.502	12.75	0.118	3.00	2.031	51.60	BS229
1.750	0444	1.809	45.95	2.496	63.40	0.502	12.75	0.118	3.00	2.157	54.80	BS230
1.875	0476	1.934	49.13	2.621	66.58	0.502	12.75	0.118	3.00	2.280	57.90	BS231
2.000	0508	2.059	52.30	2.746	69.75	0.502	12.75	0.118	3.00	2.406	61.10	BS232
2.125	0539	2.184	55.48	2.996	76.10	0.564	14.33	0.138	3.50	2.594	65.90	BS234
2.250	0571	2.309	58.65	3.121	79.28	0.564	14.33	0.138	3.50	2.717	69.00	BS235
2.375	0603	2.434	61.83	3.246	82.45	0.564	14.33	0.138	3.50	2.843	72.20	BS236
2.500	0635	2.559	65.00	3.371	85.63	0.564	14.33	0.138	3.50	2.969	75.40	BS237
2.625	0666	2.684	68.18	3.371	85.63	0.627	15.93	0.138	3.50	3.031	77.00	BS237
2.750	0698	2.809	71.35	3.496	88.80	0.627	15.93	0.138	3.50	3.157	80.20	BS238
2.875	0730	2.934	74.53	3.746	95.15	0.627	15.93	0.138	3.50	3.343	84.90	BS240
3.000	0762	3.059	77.70	3.871	98.33	0.627	15.93	0.138	3.50	3.469	88.10	BS241
3.125*	0794	3.225	81.92	3.996	101.50	0.781	19.84	0.138	3.50	3.594	91.30	BS242
3.250*	0825	3.350	85.10	4.121	104.68	0.781	19.84	0.138	3.50	3.717	94.40	BS243
3.375*	0857	3.475	88.27	4.246	107.85	0.781	19.84	0.138	3.50	3.843	97.60	BS244
3.500*	0889	3.600	91.44	4.371	111.03	0.781	19.84	0.138	3.50	3.969	100.80	BS245
3.625*	0921	3.725	94.62	4.496	114.20	0.781	19.84	0.138	3.50	4.094	104.00	BS246
3.750*	0953	3.850	97.79	4.621	117.38	0.781	19.84	0.138	3.50	4.217	107.10	BS247
3.875*	0984	3.975	100.97	4.746	120.55	0.781	19.84	0.138	3.50	4.343	110.30	BS248
4.000*	1016	4.100	104.14	4.871	123.73	0.781	19.84	0.138	3.50	4.469	113.50	BS249

All non-asterisked sizes shown of Type 32 seats are part of our Guaranteed Ex-stock Range in SiNSiC.
Ni-Resist and Tungsten Carbide and RB SiC Type 32 are stocked in some, but not all, sizes.
All stocked seats are available with either Nitrile, E.P. or Viton® Elastomers.

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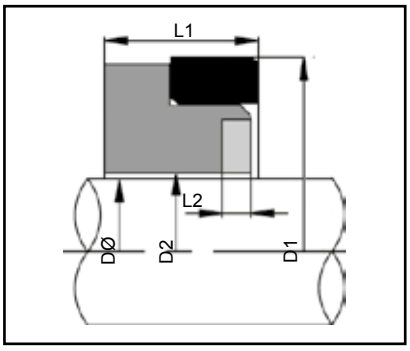
THE SEAL SPECIALISTS

TYPE 23 P.T.F.E. BOOT MOUNTED SEATS



'L'-Shaped P.T.F.E. boot-mounted stationary, to suit common American housing sizes. Due to the low-friction nature of P.T.F.E., this stationary seat has necessarily been designed with an anti-rotation provision, and it is recommended to ensure this is utilised.

Widely utilised in chemical process equipment, due to the exceptional chemical resistance that can be provided.

Abbey Seals STANDARD SIZES

Imperial Shaft Size DØ	Size Code	D1		D2		L1		PIN P.C.D.		PIN Ø	
		Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
0.750	0191	1.375	34.93	0.792	20.12	0.405	10.28	0.937	23.81	0.079	2.00
0.875	0222	1.500	38.10	0.919	23.33	0.405	10.28	1.063	26.99	0.079	2.00
1.000	0254	1.625	41.28	1.043	26.50	0.437	11.10	1.187	30.15	0.079	2.00
1.125	0286	1.750	44.44	1.184	30.08	0.437	11.10	1.313	33.35	0.079	2.00
1.250	0317	1.875	47.63	1.309	33.25	0.437	11.10	1.437	36.50	0.079	2.00
1.375	0349	2.000	50.80	1.434	36.43	0.437	11.10	1.563	39.70	0.079	2.00
1.500	0381	2.125	53.98	1.559	39.60	0.437	11.10	1.687	42.85	0.079	2.00
1.625	0412	2.375	60.33	1.684	42.78	0.500	12.70	1.875	47.63	0.118	3.00
1.750	0444	2.500	63.50	1.809	45.95	0.500	12.70	2.000	50.80	0.118	3.00
1.875	0476	2.625	66.68	1.934	49.13	0.500	12.70	2.125	53.98	0.118	3.00
2.000	0508	2.750	69.85	2.059	52.30	0.500	12.70	2.250	57.15	0.118	3.00
2.125	0539	3.000	76.20	2.184	55.48	0.562	14.28	2.375	60.33	0.118	3.00
2.250	0571	3.125	79.38	2.309	58.65	0.562	14.28	2.500	63.50	0.118	3.00
2.375	0603	3.250	82.55	2.438	61.93	0.562	14.28	2.625	66.68	0.118	3.00
2.500	0635	3.375	85.73	2.559	65.00	0.562	14.28	2.750	69.85	0.118	3.00
2.625	0666	3.375	85.73	2.684	68.18	0.625	15.88	2.875	73.03	0.118	3.00
2.750	0698	3.500	88.90	2.809	71.35	0.625	15.88	3.000	76.20	0.118	3.00
2.875*	0730	3.750	95.25	2.934	74.53	0.625	15.88	3.125	79.38	0.118	3.00
3.000*	0762	3.875	98.43	3.059	77.70	0.625	15.88	3.250	82.55	0.118	3.00

All non-asterisked sizes shown of Type 23 seats are part of our Guaranteed Ex-stock Range, in 99% Ceramic and RB SiC. Ni-Resist and Tungsten Carbide Type 23 are stocked in most, but not all, sizes.
All stocked seats are supplied with P.T.F.E Gaskets.

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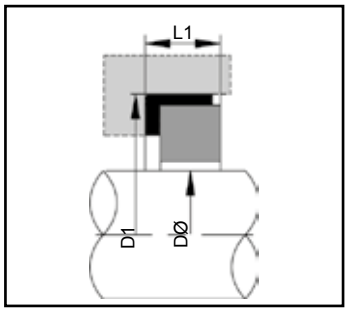
THE SEAL SPECIALISTS

DIN/NON-DIN BOOT MOUNTED SEATS



Common Abbey Seals boot-mounted stationary designs, to fit and suit a variety of international housing and working length standards.

Boot-mounted stationaries offer optimum cost and performance benefits. The ribbed profile and increased elastomer contact area with the housing is often preferred.

Please specify the actual shaft size code required when ordering, as a seat separate to the seal, as each size has a unique I.D.

Abbey Seals STANDARD SIZES

Imperial Shaft Size DØ	Metric Shaft Size DØ	Size Code	Type 11				Type 20				Type 19B		Type 24	
			D1		L1		D1		L1		D1	L1	D1	L1
			Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric				
0.375		0095	0.875	22.23	0.312	7.93	0.969	24.60	0.344	8.74	--	--	--	--
	10	0100	0.875	22.23	0.312	7.93	0.969	24.60	0.344	8.74	21.00	6.60	21.00	8.60
	12	0120	1.000	25.40	0.312	7.93	1.094	27.79	0.344	8.74	23.00	6.60	23.00	8.60
0.500		0127	1.000	25.40	0.312	7.93	1.094	27.79	0.344	8.74	--	--	--	--
	13	0130	1.000	25.40	0.312	7.93	1.094	27.79	0.344	8.74	--	--	--	--
	14	0140	1.250	31.75	0.405	10.28	1.219	30.95	0.406	10.32	25.00	6.60	25.00	8.60
	15	0150	--	--	--	--	1.219	30.95	0.406	10.32	27.00	6.60	27.00	8.60
0.625		0158	1.250	31.75	0.405	10.28	1.219	30.95	0.406	10.32	--	--	--	--
	16	0160	1.250	31.75	0.405	10.28	1.219	30.95	0.406	10.32	27.00	6.60	27.00	8.60
	18	0180	1.375	34.93	0.405	10.28	1.344	34.15	0.406	10.32	33.00	7.50	33.00	10.00
0.750		0191	1.375	34.93	0.405	10.28	1.344	34.15	0.406	10.32	--	--	--	--
	20	0200	1.500	38.10	0.405	10.28	1.406	35.70	0.406	10.32	35.00	7.50	35.00	10.00
	22	0220	1.500	38.10	0.405	10.28	1.469	37.30	0.406	10.32	37.00	7.50	37.00	10.00
0.875		0222	1.500	38.10	0.405	10.28	1.469	37.30	0.406	10.32	--	--	--	--
	24	0240	1.625	41.28	0.437	11.10	1.594	40.50	0.406	10.32	39.00	7.50	39.00	10.00
	25	0250	1.625	41.28	0.437	11.10	1.594	40.50	0.406	10.32	40.00	7.50	40.00	10.00
1.000		0254	1.625	41.28	0.437	11.10	1.594	40.50	0.406	10.32	--	--	--	--
	28	0280	1.750	44.44	0.437	11.10	1.875	47.63	0.472	11.99	43.00	7.50	43.00	10.00
1.125		0286	1.750	44.44	0.437	11.10	1.875	47.63	0.472	11.99	--	--	--	--
	30	0300	1.875	47.63	0.437	11.10	2.000	50.80	0.472	11.99	45.00	7.50	45.00	10.00
1.250		0317	1.875	47.63	0.437	11.10	2.000	50.80	0.472	11.99	--	--	--	--
	32	0320	1.875	47.63	0.437	11.10	2.000	50.80	0.472	11.99	48.00	7.50	48.00	10.00
	33	0330	1.875	47.63	0.437	11.10	2.125	53.98	0.472	11.99	48.00	7.50	48.00	10.00
1.375	35	0350	2.000	50.80	0.437	11.10	2.125	53.98	0.472	11.99	50.00	7.50	50.00	10.00
1.500	38	0380	2.125	53.98	0.437	11.10	2.250	57.15	0.472	11.99	56.00	9.00	56.00	11.00
	40	0400	2.375	60.33	0.500	12.70	2.375	60.33	0.472	11.99	58.00	9.00	58.00	11.00
1.625		0412	2.375	60.33	0.500	12.70	2.375	60.33	0.472	11.99	--	--	--	--
	43	0430	2.500	63.50	0.500	12.70	2.500	63.50	0.472	11.99	61.00	9.00	61.00	11.00
1.750		0444	2.500	63.50	0.500	12.70	2.500	63.50	0.472	11.99	--	--	--	--
	45	0450	2.625	66.68	0.500	12.70	2.500	63.50	0.472	11.99	63.00	9.00	63.00	11.00
1.875		0476	2.625	66.68	0.500	12.70	2.625	66.68	0.472	11.99	--	--	--	--
	48	0480	2.750	69.85	0.500	12.70	2.625	66.68	0.472	11.99	66.00	9.00	66.00	11.00
	50	0500	2.750	69.85	0.500	12.70	2.750	69.85	0.531	13.50	70.00	9.50	70.00	13.00
2.000		0508	2.750	69.85	0.500	12.70	2.750	69.85	0.531	13.50	--	--	--	--
	53	0530	3.000	76.20	0.562	14.28	3.000	76.20	0.531	13.50	73.00	11.00	73.00	13.00
2.125		0539	3.000	76.20	0.562	14.28	2.875	73.03	0.531	13.50	--	--	--	--
	55	0550	3.000	76.20	0.562	14.28	3.000	76.20	0.531	13.50	75.00	11.00	75.00	13.00
2.250		0571	3.125	79.38	0.562	14.28	3.000	76.20	0.531	13.50	--	--	--	--
	58	0580	3.250	82.55	0.562	14.28	3.125	79.38	0.531	13.50	78.00	11.00	78.00	13.00
	60	0600	3.250	82.55	0.562	14.28	3.125	79.38	0.531	13.50	80.00	11.00	80.00	13.00
2.375		0603	3.250	82.55	0.562	14.28	3.125	79.38	0.531	13.50	--	--	--	--
	63	0630	3.375	85.73	0.562	14.28	3.250	82.55	0.531	13.50	--	--	83.00	13.00
2.500		0635	3.375	85.73	0.562	14.28	3.250	82.55	0.531	13.50	--	--	--	--
	65	0650	3.375	85.73	0.625	15.88	3.625	92.08	0.625	15.88	85.00	11.00	85.00	13.00
2.625		0666	3.375	85.73	0.625	15.88	3.625	92.08	0.625	15.88	--	--	--	--
2.750		0698	3.500	88.90	0.625	15.88	3.750	95.25	0.625	15.88	--	--	--	--
	70	0700	3.500	88.90	0.625	15.88	3.750	95.25	0.625	15.88	92.00	11.30	92.00	15.30
2.875		0730	3.750	95.25	0.625	15.88	3.875	98.43	0.625	15.88	--	--	--	--
	75	0750	3.875	98.43	0.625	15.88	4.000	101.60	0.625	15.88	97.00	11.30	97.00	15.30
3.000		0762	3.875	98.43	0.625	15.88	4.000	101.60	0.625	15.88	--	--	--	--
3.125		0794	4.000	101.60	0.783	19.88	4.375	111.13	0.783	19.88	--	--	--	--
	80	0800	--	--	--	--	4.500	114.30	0.783	19.88	105.00	12.00	105.00	15.70
3.250		0825	4.125	104.78	0.783	19.88	4.500	114.30	0.783	19.88	--	--	--	--
	85	0850	--	--	--	--	4.625	117.48	0.783	19.88	110.00	14.00	110.00	15.70
3.375		0857	4.250	107.95	0.783	19.88	4.625	117.48	0.783	19.88	--	--	--	--
3.500		0889	4.375	111.13	0.783	19.88	4.750	120.65	0.783	19.88	--	--	--	--
	90	0900	--	--	--	--	4.875	123.83	0.783	19.88	115.00	14.00	115.00	15.70
3.625		0921	4.500	114.30	0.783	19.88	4.875	123.83	0.783	19.88	--	--	--	--
	95	0950	--	--	--	--	5.000	127.00	0.783	19.88	120.00	14.00	120.00	15.70
3.750		0953	4.625	117.48	0.783	19.88	5.000	127.00	0.783	19.88	--	--	--	--
3.875		0984	4.750	120.65	0.783	19.88	5.125	130.17	0.783	19.88	--	--	--	--
	100	1000	--	--	--	--	5.250	133.35	0.783	19.88	125.00	14.00	125.00	15.70
4.000		1016	4.875	123.83	0.783	19.88	5.250	133.35	0.783	19.88	--	--	--	--

All sizes shown of Type 20, 19B, 11 and 24 seats are part of our Guaranteed Ex-Stock range, in 99% Ceramic and RB SiC; But Type 11 seats are guaranteed up to and including 3.000 / 75 mm size only. Tungsten Carbide seats are stocked in some, but not all, sizes. All stocked seats are available with either Nitrile, E.P. or Viton® Elastomers..

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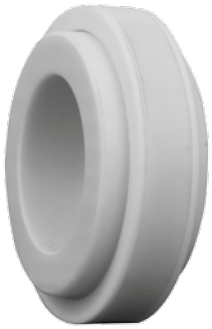
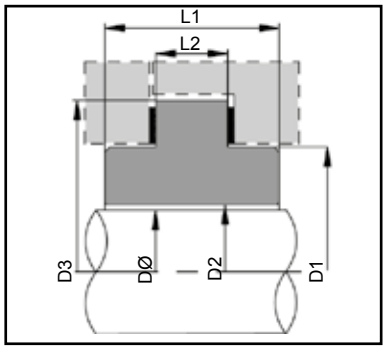
TYPE 25 GASKET CLAMPED “V” SEATS





The Type 25 stationary is an industry standard design with a “T”-shaped profile. Supplied complete with two P.T.F.E. flat gaskets, for clamping as illustrated. The Type 25 is designed for medias that are aggressive towards elastomers, and is widely utilised with Type 1609/1645/1659 series multi-spring rotaries. For shaft sizes up-to 1.000”/25mm; please add 1.60mm to dimension L2 for the gaskets width, similarly add 3.20mm for shaft sizes 1.125”/28.00mm and above.

Abbey Seals STANDARD SIZES

Imperial Shaft Size DØ	Metric Shaft Size DØ	Size Code	D1		D2		D3		L1		L2	
			Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric
0.500	12	0127	1.144	29.05	0.539	13.70	1.563	39.70	0.685	17.40	0.311	7.90
	15*	0150	1.256	31.90	0.630	16.00	1.614	41.00	0.685	17.40	0.311	7.90
0.625	16	0158	1.301	33.04	0.661	16.80	1.720	43.69	0.685	17.40	0.311	7.90
0.750	19	0191	1.426	36.21	0.787	20.00	1.831	46.50	0.685	17.40	0.311	7.90
	20	0200	1.453	36.90	0.827	21.00	1.850	47.00	0.685	17.40	0.311	7.90
0.875	22	0222	1.551	39.39	0.913	23.20	1.949	49.50	0.685	17.40	0.311	7.90
	25	0250	1.650	41.90	1.024	26.00	2.047	52.00	0.685	17.40	0.311	7.90
1.000		0254	1.676	42.56	1.039	26.40	2.067	52.50	0.685	17.40	0.311	7.90
1.125	28	0286	1.801	45.74	1.165	29.60	2.303	58.50	1.059	26.90	0.437	11.10
	30	0300	1.917	48.69	1.220	31.00	2.313	58.75	1.059	26.90	0.437	11.10
1.250		0317	1.988	50.50	1.287	32.70	2.500	63.50	1.059	26.90	0.437	11.10
	33*	0330	2.059	52.30	1.339	34.00	2.559	65.00	1.059	26.90	0.437	11.10
1.375	35	0349	2.113	53.68	1.417	36.00	2.579	65.50	1.059	26.90	0.437	11.10
1.500	38	0381	2.238	56.85	1.539	39.10	2.736	69.50	1.059	26.90	0.437	11.10
	40	0400	2.437	61.90	1.614	41.00	2.953	75.00	1.059	26.90	0.437	11.10
1.625		0412	2.488	63.20	1.661	42.20	3.012	76.50	1.059	26.90	0.437	11.10
1.750		0444	2.613	66.38	1.787	45.40	3.130	79.50	1.059	26.90	0.437	11.10
	45	0450	2.634	66.90	1.811	46.00	3.150	80.00	1.059	26.90	0.437	11.10
1.875	48	0476	2.738	69.55	1.929	49.00	3.248	82.50	1.059	26.90	0.437	11.10
	50	0500	2.831	71.90	2.008	51.00	3.346	85.00	1.059	26.90	0.437	11.10
2.000		0508	2.863	72.73	2.039	51.80	3.366	85.50	1.059	26.90	0.437	11.10
2.125		0539	3.113	79.08	2.161	54.90	3.760	95.50	1.312	33.33	0.563	14.30
	55*	0550	3.146	79.90	2.205	56.00	3.780	96.00	1.312	33.33	0.563	14.30
2.250		0571	3.238	82.25	2.287	58.10	3.878	98.50	1.312	33.33	0.563	14.30
	60	0600	3.343	84.90	2.402	61.00	3.976	101.00	1.312	33.33	0.563	14.30
2.375		0603	3.363	85.43	2.413	61.30	3.996	101.50	1.312	33.33	0.563	14.30
2.500		0635	3.488	88.60	2.539	64.50	4.114	104.50	1.312	33.33	0.563	14.30
	65*	0650	3.539	89.90	2.598	66.00	4.173	106.00	1.312	33.33	0.563	14.30
2.625		0666	3.613	91.78	2.661	67.60	4.272	108.50	1.312	33.33	0.563	14.30
2.750	70	0698	3.736	94.90	2.795	71.00	4.370	111.00	1.312	33.33	0.563	14.30
2.875		0730	3.863	98.13	2.913	74.00	4.508	114.50	1.312	33.33	0.563	14.30
	75*	0750	3.933	99.90	2.992	76.00	4.567	116.00	1.312	33.33	0.563	14.30
3.000		0762	3.926	99.71	3.039	77.20	4.547	115.50	1.312	33.33	0.563	14.30
3.125*		0794	4.051	102.89	3.165	80.40	4.705	119.50	1.312	33.33	0.563	14.30
	80*	0800	4.130	104.90	3.189	81.00	4.764	121.00	1.312	33.33	0.563	14.30
3.250*		0825	4.232	107.50	3.295	83.70	4.862	123.50	1.350	34.30	0.563	14.30
	85*	0850	4.327	109.90	3.386	86.00	4.961	126.00	1.350	34.30	0.563	14.30
3.375*		0857	4.364	110.85	3.421	86.90	5.020	127.50	1.350	34.30	0.563	14.30
3.500*		0889	4.488	114.00	3.539	89.90	5.138	130.50	1.350	34.30	0.563	14.30
	90*	0900	4.508	114.50	3.583	91.00	5.138	130.50	1.350	34.30	0.563	14.30
3.625*		0921	4.610	117.10	3.673	93.30	5.256	133.50	1.350	34.30	0.563	14.30
	95*	0950	4.720	119.90	3.780	96.00	5.354	136.00	1.350	34.30	0.563	14.30
3.750*		0953	4.738	120.35	3.791	96.30	5.374	136.50	1.350	34.30	0.563	14.30
	100*	1000	4.917	124.90	3.976	101.00	5.551	141.00	1.350	34.30	0.563	14.30
4.000*		1016	4.988	126.70	4.039	102.60	5.610	142.50	1.350	34.30	0.563	14.30
4.250*		1079	5.238	133.05	4.291	109.00	5.886	149.50	1.350	34.30	0.563	14.30
4.500*		1143	5.488	139.40	4.539	115.30	6.122	155.50	1.350	34.30	0.563	14.30
5.000*		1270	6.488	164.80	5.039	128.00	7.382	187.50	1.417	36.00	0.630	16.00
5.500*		1397	6.988	177.50	5.539	140.70	7.894	200.50	1.417	36.00	0.630	16.00

All non-asterisked sizes shown of Type 25 seats are part of our Guaranteed Ex-stock Range, in 99% Ceramic and RB SiC. Ni-Resist and Tungsten Carbide Type 25 are stocked in some, but not all, sizes.
All stocked seats are available with P.T.F.E gaskets.

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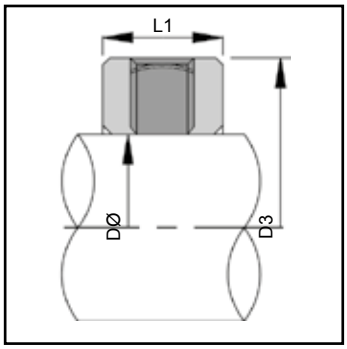
AbbeySeals
THE SEAL SPECIALISTS

CLAMP RING LOCKING COLLARS



Stainless steel, grub-screwed, locking collars, utilised primarily for setting the working length to suit or fit the seal preferred.

Available in all common imperial and metric shaft sizes. A comprehensive range is offered from stock and any size can be manufactured.

All shaft sizes of Abbey Seals Type SPEC.CLAM are fitted with grub screws evenly separated apart as shown below, for secure fitting.

Abbey Seals STANDARD SIZES

Imperial Shaft Size DØ	Metric Shaft Size DØ	Size Code	D3		L1		No of Grub Screws
			Imperial	Metric	Imperial	Metric	
0.375		0095	0.748	19.00	0.295	7.50	3 x 120°
	10	0100	0.748	19.00	0.295	7.50	3 x 120°
	12	0120	0.827	21.00	0.295	7.50	3 x 120°
0.500		0127	0.827	21.00	0.295	7.50	3 x 120°
	14	0140	0.906	23.00	0.295	7.50	3 x 120°
	15	0150	0.945	24.00	0.295	7.50	3 x 120°
0.625		0158	0.984	25.00	0.295	7.50	3 x 120°
	16	0160	0.984	25.00	0.295	7.50	3 x 120°
	18	0180	1.220	31.00	0.295	7.50	3 x 120°
0.750		0191	1.220	31.00	0.295	7.50	3 x 120°
	20	0200	1.299	33.00	0.295	7.50	3 x 120°
	22	0220	1.378	35.00	0.295	7.50	3 x 120°
0.875		0222	1.378	35.00	0.295	7.50	3 x 120°
	24	0240	1.457	37.00	0.295	7.50	3 x 120°
	25	0250	1.496	38.00	0.349	10.00	3 x 120°
1.000		0254	1.496	38.00	0.349	10.00	3 x 120°
	28	0280	1.614	41.00	0.349	10.00	3 x 120°
1.125		0286	1.614	41.00	0.349	10.00	3 x 120°
	30	0300	1.693	43.00	0.349	10.00	3 x 120°
1.250		0317	1.772	45.00	0.349	10.00	3 x 120°
	32	0320	1.772	45.00	0.394	10.00	3 x 120°
	33	0330	1.811	46.00	0.394	10.00	3 x 120°
1.375		0349	1.890	48.00	0.394	10.00	3 x 120°
	35	0350	1.890	48.00	0.394	10.00	3 x 120°
	38	0380	2.087	53.00	0.394	10.00	3 x 120°
1.500		0381	2.087	53.00	0.394	10.00	3 x 120°
	40	0400	2.165	55.00	0.394	10.00	3 x 120°
1.625		0412	2.165	55.00	0.394	10.00	3 x 120°
	43	0430	2.283	58.00	0.394	10.00	3 x 120°
1.750		0444	2.362	60.00	0.394	10.00	3 x 120°
	45	0450	2.362	60.00	0.394	10.00	3 x 120°
1.875		0476	2.480	63.00	0.394	10.00	3 x 120°

Imperial Shaft Size DØ	Metric Shaft Size DØ	Size Code	D3		L1		No of Grub Screws
			Imperial	Metric	Imperial	Metric	
	48	0480	2.480	63.00	0.394	10.00	3 x 120°
	50	0500	2.559	65.00	0.394	10.00	3 x 120°
2.000		0508	2.559	65.00	0.394	10.00	3 x 120°
	53	0530	2.677	68.00	0.394	10.00	3 x 120°
2.125		0539	2.677	68.00	0.394	10.00	3 x 120°
	55	0550	2.756	70.00	0.394	10.00	3 x 120°
2.250		0571	2.756	70.00	0.394	10.00	3 x 120°
	58	0580	3.031	77.00	0.394	10.00	3 x 120°
	60	0600	3.11	79.00	0.394	10.00	3 x 120°
2.375		0603	3.11	79.00	0.394	10.00	6 X 60°
2.500		0635	3.228	82.00	0.394	10.00	6 X 60°
	65	0650	3.307	84.00	0.472	12.00	6 X 60°
2.625		0666	3.307	84.00	0.472	12.00	6 X 60°
	68	0680	3.425	87.00	0.472	12.00	6 X 60°
2.750		0698	3.504	89.00	0.472	12.00	6 X 60°
	70	0700	3.504	89.00	0.472	12.00	6 X 60°
2.875		0730	3.740	95.00	0.472	12.00	6 X 60°
	75	0750	3.858	98.00	0.472	12.00	6 X 60°
3.000		0762	3.858	98.00	0.472	12.00	6 X 60°
3.125		0794	4.055	103.00	0.472	12.00	6 X 60°
	80	0800	4.055	103.00	0.472	12.00	6 X 60°
3.250		0825	4.055	103.00	0.472	12.00	6 X 60°
	85	0850	4.252	108.00	0.472	12.00	6 X 60°
3.375		0857	4.252	108.00	0.472	12.00	6 X 60°
3.500		0889	4.449	113.00	0.472	12.00	6 X 60°
	90	0900	4.449	113.00	0.472	12.00	6 X 60°
3.625*		0921	4.449	113.00	0.472	12.00	6 X 60°
	95*	0950	4.646	118.00	0.472	12.00	6 X 60°
3.750*		0953	4.646	118.00	0.472	12.00	6 X 60°
3.875*		0984	4.764	121.00	0.472	12.00	6 X 60°
	100*	1000	4.843	123.00	0.472	12.00	6 X 60°
4.000*		1016	4.843	123.00	0.590	15.00	8 X 40°

All non-asterisked sizes shown of Abbey Seals clamp ring locking collars are part of our Guaranteed Ex-stock Range.
All Abbey Seals clamp ring locking collars are produced in 304 Stainless Steel.

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