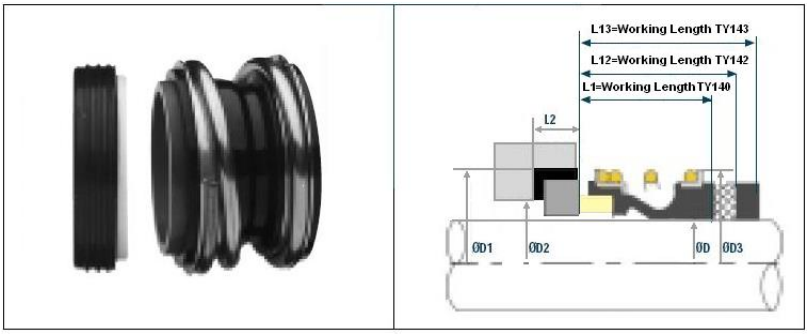
MECHANICAL SEALS

PRODUCT DATA SHEET

Bellows

Abbey TY140/TY142/TY143



Universal compact DIN seal with a choice of standard DIN working lengths. The robust heavy duty bellows design provides excellent flexibility and durability. Boot seat supplied as standard Also supplied with 8Din O ring seat see TY140DS

Abbey Standard sizes

Shaft Size OD	Size Code	0D1	OD2	OD3	L1	L12	L13	L2
10.00	10MM	21.00	17.00	20.00	13.40	25.90	33.40	6.60
12.00	12MM	23.00	19.00	22.00	14.40	25.90	33.40	6.60
14.00	14MM	25.00	21.00	24.00	14.40	28.40	33.40	6.60
15.00	15MM	27.00	23.00	25.00	14.40	28.40	33.40	6.60
16.00	16MM	27.00	23.00	26.00	14.40	28.40	33.40	6.60
18.00	18MM	33.00	27.00	32.00	18.50	30.00	37.50	7.50
20.00	20MM	35.00	29.00	34.00	18.50	30.00	37.50	7.50
22.00	22MM	37.00	31.00	36.00	18.50	30.00	37.50	7.50
24.00	24MM	39.00	33.00	38.00	18.50	32.50	42.50	7.50
25.00	25MM	40.00	34.00	39.00	18.50	32.50	42.50	7.50
28.00	28MM	43.00	37.00	42.00	24.50	35.00	42.50	7.50
30.00	30MM	45.00	39.00	44.00	25.50	35.00	42.50	7.50
32.00	32MM	48.00	42.00	46.00	25.50	35.00	42.50	7.50
33.00	33MM	48.00	42.00	47.00	25.50	35.00	47.50	7.50
35.00	35MM	50.00	44.00	49.00	26.50	35.00	47.50	7.50
38.00	38MM	56.00	49.00	54.00	29.00	36.00	46.00	7.50
40.00	40MM	58.00	51.00	56.00	29.00	36.00	46.00	9.00
43.00	43MM	61.00	54.00	59.00	29.00	36.00	51.00	9.00
45.00	45MM	63.00	56.00	61.00	29.00	36.00	51.00	9.00
48.00	48MM	66.00	59.00	64.00	31.00	36.00	51.00	9.00
50.00	50MM	70.00	62.00	66.00	30.50	38.00	50.50	9.50
53.00	53MM	73.00	65.00	69.00	29.00	36.50	59.00	11.00
55.00	55MM	75.00	67.00	71.00	29.00	36.50	59.00	11.00
58.00	58MM	78.00	70.00	78.00	32.00	41.50	59.00	11.00
60.00	60MM	80.00	72.00	80.00	34.00	41.50	59.00	11.00
65.00	65MM	85.00	77.00	85.00	34.00	41.50	69.00	11.00
68.00	68MM	90.00	81.00	88.00	33.70	41.20	68.70	11.30
70.00	70MM	92.00	83.00	90.00	33.70	48.70	68.70	11.30
75.00	75MM	97.00	88.00	99.00	40.70	48.70	68.70	11.30
80.00	80MM	105.00	95.00	104.00	40.50	48.00	78.00	11.30
85.00	85MM	110.00	100.00	109.00	38.50	46.00	76.00	14.00
90.00	90MM	115.00	105.00	114.00	38.50	51.00	76.00	14.00
95.00	95MM	120.00	110.00	119.00	38.50	51.00	76.00	14.00
100.00	100MM	125.00	115.00	124.00	38.50	51.00	76.00	14.00

Standard Face Materials

Rotary: Carbon, Silicon Carbide, Tungsten Carbide

Stat: Ceramic, Silicon Carbide, Tungsten Carbide

Maximum Operating Limits

PRESSURE 170 psi SPEED 15m/s

TEMPERATURE -40^0 + 200^0 C

Dependent on shaft dia, Speed, Temp and Media to be sealed

DUBLIN T: +353 (0)1 427 7900 E: dublin@abbeyseals.ie
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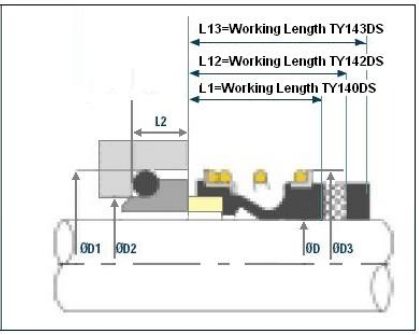
Abbey TY140DS/TY142DS/TY143DS



Universal compact DIN seal with a choice of standard DIN working lengths. The robust heavy duty bellows design provides excellent flexibility and durability. Supplied with O ring Mounted 8DIN short seat..Also supplied with boot seat see TY140

Abbey Standard sizes

Shaft Size	Size	0D1	OD2	OD3	L1	L12	L13	L2
10.00	10MM	21.00	16.40	20.00	13.40	25.90	33.40	6.60
12.00	12MM	23.00	18.40	22.00	14.40	25.90	33.40	6.60
14.00	14MM	25.00	20.40	24.00	14.40	28.40	33.40	6.60
15.00	15MM	27.00	22.40	25.00	14.40	28.40	33.40	6.60
16.00	16MM	27.00	22.40	26.00	14.40	28.40	33.40	6.60
18.00	18MM	33.00	26.60	32.00	18.50	30.00	37.50	7.50
20.00	20MM	35.00	28.60	34.00	18.50	30.00	37.50	7.50
22.00	22MM	37.00	30.60	36.00	18.50	30.00	37.50	7.50
24.00	24MM	39.00	32.60	38.00	18.50	32.50	42.50	7.50
25.00	25MM	40.00	33.60	39.00	18.50	32.50	42.50	7.50
28.00	28MM	43.00	36.60	42.00	24.50	35.00	42.50	7.50
30.00	30MM	45.00	38.60	44.00	25.50	35.00	42.50	7.50
32.00	32MM	48.00	41.60	46.00	25.50	35.00	42.50	7.50
33.00	33MM	48.00	41.60	47.00	25.50	35.00	47.50	7.50
35.00	35MM	50.00	43.80	49.00	26.50	35.00	47.50	7.50
38.00	38MM	56.00	48.80	54.00	29.00	36.00	46.00	9.00
40.00	40MM	58.00	50.80	56.00	29.00	36.00	46.00	9.00
43.00	43MM	61.00	53.80	59.00	29.00	36.00	51.00	9.00
45.00	45MM	63.00	55.80	61.00	29.00	36.00	51.00	9.00
48.00	48MM	66.00	58.80	64.00	31.00	36.00	51.00	9.00
50.00	50MM	70.00	61.25	66.00	30.50	38.00	50.50	9.50
53.00	53MM	73.00	64.25	69.00	29.00	36.50	59.00	11.00
55.00	55MM	75.00	66.25	71.00	29.00	36.50	59.00	11.00
58.00	58MM	78.00	69.25	78.00	32.00	41.50	59.00	11.00
60.00	60MM	80.00	71.25	80.00	34.00	41.50	59.00	11.00
65.00	65MM	85.00	76.25	85.00	34.00	41.50	69.00	11.00
68.00	68MM	90.00	80.50	88.00	33.70	41.20	68.70	11.30
70.00	70MM	92.00	82.60	90.00	33.70	48.70	68.70	11.30
75.00	75MM	97.00	87.60	99.00	40.70	48.70	68.70	11.30
80.00	80MM	105.00	94.70	104.00	40.50	48.00	78.00	12.00
85.00	85MM	110.00	99.70	109.00	38.50	46.00	76.00	14.00
90.00	90MM	115.00	104.70	114.00	38.50	51.00	76.00	14.00
95.00	95MM	120.00	109.70	119.00	38.50	51.00	76.00	14.00
100.00	100MM	125.00	114.70	124.00	38.50	51.00	76.00	14.00

Standard Face Materials

Rotary: Carbon, Silicon Carbide, Tungsten Carbide

Stat: Ceramic, Silicon Carbide, Tungsten Carbide

Maximum Operating Limits

PRESSURE 170 psi SPEED 15m/s

TEMPERATURE -40^0 + 200^0 C

Dependent on shaft dia, speed, Temp and Media to be sealed

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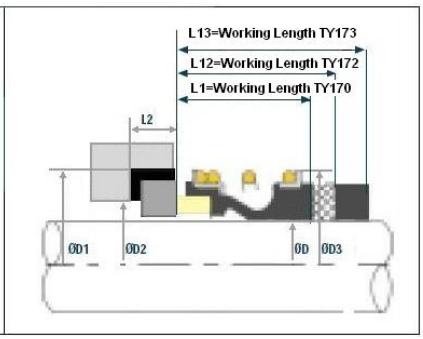
Abbey TY170/ TY172/TY173



Robust , Rubber Bellows Seal with Boot mounted stationary .TY172 and TY173 have extended bellows to meet DIN L1K and L1N working lengths.

Abbey Standard sizes

Shaft Size	Size	0D1	OD2	OD3	L1	L12	L13	L2
10.00	10MM	21.00	15.50	20.00	14.50	25.90	33.40	6.60
12.00	12MM	23.00	17.50	23.20	15.00	25.90	33.40	6.60
14.00	14MM	25.00	20.50	27.10	17.00	28.40	33.40	6.60
15.00	15MM	27.00	20.50	28.00	17.00	28.40	33.40	6.60
16.00	16MM	27.00	22.00	27.10	17.00	28.40	33.40	6.60
18.00	18MM	33.00	24.00	31.00	19.50	30.00	37.50	7.50
20.00	20MM	35.00	29.50	36.00	21.50	30.00	37.50	7.50
22.00	22MM	37.00	29.50	36.00	21.50	30.00	37.50	7.50
24.00	24MM	39.00	32.00	40.50	22.50	32.50	42.50	7.50
25.00	25MM	40.00	32.00	41.00	23.00	32.50	42.50	7.50
28.00	28MM	43.00	36.00	47.00	26.50	35.00	42.50	7.50
30.00	30MM	45.00	39.20	47.00	26.50	35.00	42.50	7.50
32.00	32MM	48.00	44.20	51.00	27.50	35.00	47.50	7.50
33.00	33MM	48.00	44.20	51.00	27.50	35.00	47.50	7.50
35.00	35MM	50.00	46.20	55.00	28.50	35.00	47.50	7.50
38.00	38MM	56.00	49.20	57.30	30.00	35.00	46.00	7.50
40.00	40MM	58.00	52.20	60.00	30.00	36.00	51.00	9.00
43.00	43MM	61.00	53.30	62.20	30.00	36.00	51.00	9.00
45.00	45MM	63.00	55.30	64.30	30.00	36.00	51.00	9.00
48.00	48MM	66.00	59.70	69.00	30.50	36.00	51.00	9.00
50.00	50MM	70.00	60.80	70.20	30.50	38.00	50.50	9.50
53.00	53MM	73.00	63.80	76.00	33.00	36.50	59.00	11.00
55.00	55MM	75.00	66.50	78.00	35.00	36.50	59.00	11.00
58.00	58MM	78.00	69.50	82.00	37.00	41.50	59.00	11.00
60.00	60MM	80.00	71.50	85.00	38.00	41.50	59.00	11.00
65.00	65MM	85.00	76.50	90.00	40.00	41.50	69.00	11.00
68.00	68MM	90.00	82.70	94.00	40.00	41.50	68.70	11.30
70.00	70MM	92.00	83.00	97.00	40.00	48.70	68.70	11.30
75.00	75MM	97.00	90.20	102.00	40.00	48.00	68.70	11.30
80.00	80MM	105.00	95.20	106.50	40.00	48.00	78.00	11.30
85.00	85MM	110.00	100.20	117.00	41.00	46.00	76.00	14.00
90.00	90MM	115.00	105.20	126.00	45.00	51.00	76.00	14.00
95.00	95MM	120.00	111.60	130.00	46.00	51.00	76.00	14.00
100.00	100MM	125.00	114.50	130.00	47.00	51.00	76.00	14.00

Standard Face Materials

Rotary: Carbon, Silicon Carbide, Tungsten Carbide

Stat: Ceramic, Silicon Carbide, Tungsten Carbide

Maximum Operating Limits

PRESSURE 200 psi SPEED 20m/s

TEMPERATURE -40^0 + 200^0 C

Dependent on shaft dia, Speed, Temp and Media to be sealed

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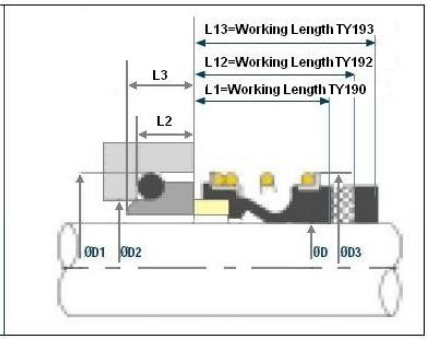
Abbey TY190/TY192/TY193



Robust rubber bellows seal with a wide non-DIN cross section, for optimum flexibility and durability. Available with non-DIN O'Ring seat as shown, or a range of other O'Ring Seats. TY192 and TY193 have extended bellows to meet DIN L1K and L1N working lengths when fitted with 8DIN Short or TY170 Boot seats.

Abbey Standard sizes

Shaft	Size	0D1	OD2	OD3	L1	L12	L13	L2	L3
10.00	10MM	19.20	15.50	20.00	14.50	25.90	33.40	9.00	6.60
12.00	12MM	21.60	17.50	23.20	15.00	25.90	33.40	8.00	5.60
14.00	14MM	24.60	20.50	27.10	17.00	28.40	33.40	8.00	5.60
15.00	15MM	24.60	20.50	28.00	17.00	28.40	33.40	9.00	6.60
16.00	16MM	28.00	22.00	27.10	17.00	28.40	33.40	10.00	7.50
18.00	18MM	30.00	24.00	31.00	19.50	30.00	37.50	10.50	8.00
20.00	20MM	35.00	29.50	36.00	21.50	30.00	37.50	10.00	7.50
22.00	22MM	35.00	29.50	36.00	21.50	30.00	37.50	10.00	7.50
24.00	24MM	38.00	32.00	40.50	22.50	32.50	42.50	10.00	7.50
25.00	25MM	38.00	32.00	41.00	23.00	32.50	42.50	10.00	7.50
28.00	28MM	42.00	36.00	47.00	26.50	35.00	42.50	11.50	9.00
30.00	30MM	45.00	39.20	47.00	26.50	35.00	42.50	13.00	10.50
32.00	32MM	48.00	44.20	51.00	27.50	35.00	47.50	13.00	10.50
33.00	33MM	50.00	44.20	51.00	27.50	35.00	47.50	13.50	11.00
35.00	35MM	52.00	46.20	55.00	28.50	35.00	47.50	13.50	11.00
38.00	38MM	55.00	49.20	57.30	30.00	36.00	46.00	13.00	10.30
40.00	40MM	58.00	52.20	60.00	30.00	36.00	46.00	13.50	10.80
43.00	43MM	62.00	53.30	62.30	30.00	36.00	51.00	14.50	12.00
45.00	45MM	64.00	55.30	64.30	30.00	36.00	51.00	14.50	11.60
48.00	48MM	68.40	59.70	69.00	30.50	36.00	51.00	14.50	11.60
50.00	50MM	69.30	60.80	70.20	30.50	38.00	50.50	14.50	11.60
53.00	53MM	72.30	63.80	76.00	33.00	36.50	59.00	15.00	12.30
55.00	55MM	75.40	66.50	78.00	35.00	36.50	59.00	16.00	13.30
58.00	58MM	78.40	69.50	82.00	37.00	41.50	59.00	16.00	13.30
60.00	60MM	80.40	71.50	85.00	38.00	41.50	59.00	16.00	13.30
65.00	65MM	85.40	76.50	90.00	40.00	41.50	69.00	16.00	13.00
68.00	68MM	91.50	82.70	94.00	40.00	41.50	68.70	16.00	13.70
70.00	70MM	92.00	83.00	97.00	40.00	48.70	68.70	16.00	13.00
75.00	75MM	99.00	90.20	102.00	40.00	48.00	68.70	17.00	14.00
80.00	80MM	104.00	95.20	106.50	40.00	48.00	78.00	18.00	15.00
85.00	85MM	109.00	100.20	117.00	41.00	46.00	76.00	18.00	14.80
90.00	90MM	114.00	105.20	126.00	45.00	51.00	76.00	18.00	14.80
95.00	95MM	120.30	111.60	130.00	46.00	51.00	76.00	19.00	15.80
100.00	100MM	123.30	114.50	130.00	47.00	51.00	76.00	19.00	15.80

Standard Face Materials

Rotary: Carbon, Silicon Carbide, Tungsten Carbide

Stat: Ceramic, Silicon Carbide, Tungsten Carbide

Maximum Operating Limits

PRESSURE 200 psi SPEED 20m/s

TEMPERATURE -40^0 + 200^0 C

Dependent on shaft dia, Speed, Temp and Media to be sealed

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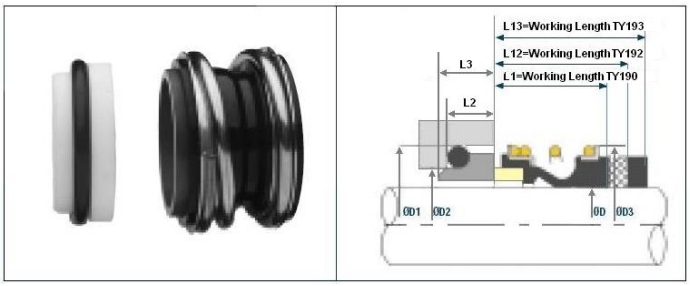
Abbey TY190S/TY192S/TY193S

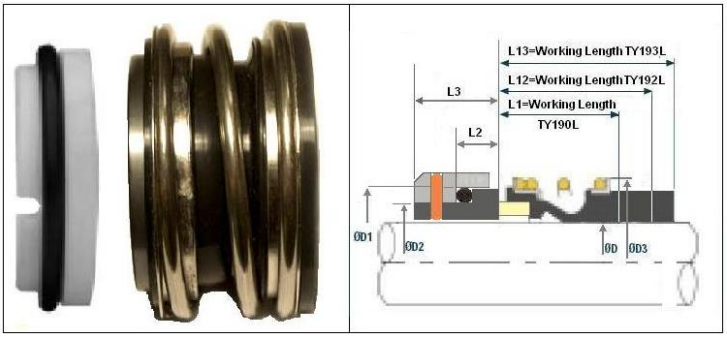


Robust rubber bellows seal with a wide non-DIN cross section, for optimum flexibility and durability. Available with non-DIN O'Ring seat as shown, or a range of other O'Ring Seats. TY192 and TY193 have extended bellows to meet DIN L1K and L1N working lengths

Abbey Standard sizes

Shaft Size OD	Code	0D1	OD3	L1	L12	L13	L2	192S L1K	193S L1K
10	10MM	21.00	20.00	14.50	25.90	33.40	6.60	32.50	40.00
12	12MM	23.00	24.30	15.00	25.90	33.40	6.60	32.50	40.00
14	14MM	25.00	28.50	17.00	28.40	33.40	6.60	35.00	40.00
15	15MM	27.00	28.50	17.00	28.40	33.40	6.60	35.00	40.00
16	16MM	27.00	28.50	17.00	28.40	33.40	6.60	35.00	40.00
18	18MM	33.00	31.00	19.50	30.00	37.50	7.50	37.50	45.00
20	20MM	35.00	36.50	21.50	30.00	37.50	7.50	37.50	45.00
22	22MM	37.00	36.50	21.50	30.00	37.50	7.50	37.50	45.00
24	24MM	39.00	41.10	22.50	32.50	42.50	7.50	40.00	50.00
25	25MM	40.00	41.10	23.00	32.50	42.50	7.50	40.00	50.00
28	28MM	43.00	47.60	26.50	35.00	42.50	7.50	42.50	50.00
30	30MM	45.00	47.60	26.50	35.00	42.50	7.50	42.50	50.00
32	32MM	48.00	51.00	27.50	35.00	47.50	7.50	42.50	55.00
33	33MM	48.00	51.00	27.50	35.00	47.50	7.50	42.50	55.00
35	35MM	50.00	54.50	28.50	35.00	47.50	7.50	42.50	55.00
38	38MM	56.00	57.90	30.00	36.00	46.00	9.00	45.00	55.00
40	40MM	58.00	60.00	30.00	36.00	46.00	9.00	45.00	55.00
43	43MM	61.00	63.80	30.00	36.00	51.00	9.00	45.00	60.00
45	45MM	63.00	65.70	30.00	36.00	51.00	9.00	45.00	60.00
48	48MM	66.00	69.30	30.50	36.00	51.00	9.00	45.00	60.00
50	50MM	70.00	71.80	30.50	38.00	50.50	9.50	47.50	60.00
53	53MM	73.00	76.00	33.00	36.50	59.00	11.00	47.50	70.00
55	55MM	75.00	78.30	35.00	36.50	59.00	11.00	47.50	70.00
58	58MM	78.00	82.50	37.00	41.50	59.00	11.00	52.50	70.00
60	60MM	80.00	85.50	38.00	41.50	59.00	11.00	52.50	70.00
65	65MM	85.00	90.30	40.00	41.50	69.00	11.00	52.50	80.00
68	68MM	90.00	94.00	40.00	41.50	68.70	11.30	52.50	80.00
70	70MM	92.00	97.00	40.00	48.70	68.70	11.30	60.00	80.00
75	75MM	97.00	102.00	40.00	48.00	68.70	11.30	60.00	80.00
80	80MM	105.00	109.50	40.00	48.00	78.00	12.00	60.00	90.00
85	85MM	110.00	116.70	41.00	46.00	76.00	14.00	60.00	90.00
90	90MM	115.00	122.30	45.00	51.00	76.00	14.00	65.00	90.00
95	95MM	120.00	127.60	46.00	51.00	76.00	14.00	65.00	90.00
100	100MM	125.00	132.00	47.00	51.00	76.00	14.00	65.00	90.00

Abbey TY190L/ TY192L/TY193L



Robust rubber bellows seal with a wide non-DIN cross section, for optimum flexibility and durability. Fitted with a TY24 DIN long stationary.

Abbey Standard sizes

Shaft	Size	0D1	OD2	OD3	L1	L12	L13	L2	L3	Slot Width	Slot Depth
10.00	10MM	21.00	16.40	20.00	14.50	25.90	33.40	8.60	15.00	4.00	5.00
12.00	12MM	23.00	18.40	23.20	15.00	25.90	33.40	8.60	15.00	4.00	5.00
14.00	14MM	25.00	20.40	27.10	17.00	28.40	33.40	8.60	15.00	4.00	5.00
15.00	15MM	27.00	22.40	28.00	17.00	28.40	33.40	8.60	15.00	4.00	5.00
16.00	16MM	27.00	22.40	27.10	17.00	28.40	33.40	8.60	15.00	4.00	5.00
18.00	18MM	33.00	26.60	31.00	19.50	30.00	37.50	10.00	17.00	4.00	5.50
20.00	20MM	35.00	28.60	36.00	21.50	30.00	37.50	10.00	17.00	4.00	5.50
22.00	22MM	37.00	30.60	36.00	21.50	30.00	37.50	10.00	17.00	4.00	5.50
24.00	24MM	39.00	32.60	40.50	22.50	32.50	42.50	10.00	17.00	4.00	5.50
25.00	25MM	40.00	33.60	41.00	23.00	32.50	42.50	10.00	17.00	4.00	5.50
28.00	28MM	43.00	36.60	47.00	26.50	35.00	42.50	10.00	17.00	4.00	5.50
30.00	30MM	45.00	38.60	47.00	26.50	35.00	42.50	10.00	17.00	4.00	5.50
32.00	32MM	48.00	41.60	51.00	27.50	35.00	47.50	10.00	17.00	4.00	5.50
33.00	33MM	48.00	41.60	51.00	27.50	35.00	47.50	10.00	17.00	4.00	5.50
35.00	35MM	50.00	43.80	55.00	28.50	35.00	47.50	10.00	17.00	4.00	5.50
38.00	38MM	56.00	48.80	57.30	30.00	36.00	46.00	10.00	18.00	5.00	5.50
40.00	40MM	58.00	50.80	60.00	30.00	36.00	46.00	10.00	18.00	5.00	5.50
43.00	43MM	61.00	53.80	62.20	30.00	36.00	51.00	11.00	18.00	5.00	5.50
45.00	45MM	63.00	55.80	64.30	30.00	36.00	51.00	11.00	18.00	5.00	5.50
48.00	48MM	66.00	58.80	69.00	30.50	36.00	51.00	11.00	18.00	5.00	5.50
50.00	50MM	70.00	61.30	70.20	30.50	38.00	50.50	13.00	20.00	5.00	5.50
53.00	53MM	73.00	64.30	76.00	33.00	36.50	59.00	13.00	20.00	5.00	5.50
55.00	55MM	75.00	66.30	78.00	35.00	36.50	59.00	13.00	20.00	5.00	5.50
58.00	58MM	78.00	69.30	82.00	37.00	41.50	59.00	13.00	20.00	5.00	5.50
60.00	60MM	80.00	71.30	85.00	38.00	41.50	59.00	13.00	20.00	5.00	5.50
65.00	65MM	85.00	76.30	90.00	40.00	41.50	69.00	13.00	20.00	5.00	5.50
68.00	68MM	90.00	80.50	94.00	40.00	41.50	68.70	15.30	22.00	5.00	5.50
70.00	70MM	92.00	82.60	97.00	40.00	48.70	68.70	15.30	22.00	5.00	5.50
75.00	75MM	97.00	87.60	102.00	40.00	48.00	68.70	15.30	22.00	5.00	5.50
80.00	80MM	105.00	94.70	106.50	40.00	48.00	78.00	15.70	23.00	5.00	5.50
85.00	85MM	110.00	99.70	117.00	41.00	46.00	76.00	15.70	23.00	5.00	5.50
90.00	90MM	115.00	104.70	126.00	45.00	51.00	76.00	15.70	23.00	5.00	5.50
95.00	95MM	120.00	109.70	130.00	46.00	51.00	76.00	15.70	23.00	5.00	5.50
100.00	100MM	125.00	114.70	130.00	47.00	51.00	76.00	15.70	23.00	5.00	5.50

Standard Face Materials

Rotary: Carbon, Silicon Carbide, Tungsten Carbide

Stat: Ceramic, Silicon Carbide, Tungsten Carbide

Maximum Operating Limits

PRESSURE 200 psi **SPEED 20m/s**

TEMPERATURE -40^0 + 200^0 C

Dependent on shaft dia, Speed, Temp and Media to be sealed

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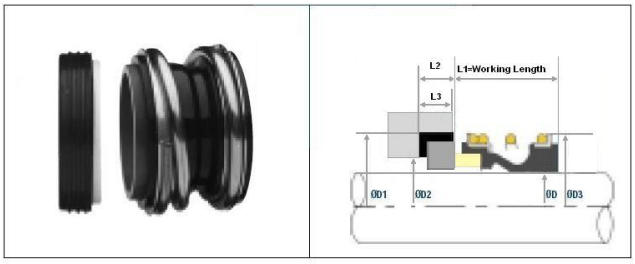
Abbey TY1520



Metric DIN profile seal and a standard seat to suit a common International standard. The seal has the same working length and the same stationary seat as the Abbey TY20 and is suitable for general duties

Abbey Standard sizes METRIC

Shaft Size OD	Size Code	0D1	OD2	OD3	L1	L2	L3
10.00	10MM	24.60	16.00	20.00	25.40	8.74	7.47
12.00	12MM	27.79	19.05	22.00	25.40	8.74	7.47
13.00	13MM	27.79	19.05	22.00	25.40	8.74	7.47
14.00	14MM	30.95	22.23	24.00	25.40	10.32	8.97
15.00	15MM	30.95	22.23	25.00	25.40	10.32	8.97
16.00	16MM	30.95	22.23	26.00	25.40	10.32	8.97
18.00	18MM	34.15	25.40	32.00	25.40	10.32	8.97
19.00	19MM	34.15	25.40	32.00	25.40	10.32	8.97
20.00	20MM	35.70	26.99	34.00	25.40	10.32	8.97
22.00	22MM	37.30	28.58	36.00	25.40	10.32	8.97
24.00	24MM	40.50	31.75	38.00	25.40	10.32	8.97
25.00	25MM	40.50	31.75	39.00	25.40	10.32	8.97
28.00	28MM	47.63	35.72	42.00	33.34	11.99	10.46
30.00	30MM	50.80	38.89	44.00	33.34	11.99	10.46
32.00	32MM	50.80	38.89	46.00	33.34	11.99	10.46
33.00	33MM	53.98	42.07	47.00	33.34	11.99	10.46
34.00	34MM	53.98	42.07	49.00	33.34	11.99	10.46
35.00	35MM	53.98	42.07	49.00	33.34	11.99	10.46
38.00	38MM	57.15	45.24	54.00	33.34	11.99	10.46
40.00	40MM	60.35	48.82	56.00	33.34	11.99	10.46
42.00	42MM	63.50	51.59	59.00	40.48	11.99	10.46
43.00	43MM	63.50	51.59	59.00	40.48	11.99	10.46
44.00	44MM	63.50	51.59	61.00	40.48	11.99	10.46
45.00	45MM	63.50	51.59	61.00	40.48	11.99	10.46
48.00	48MM	66.70	54.75	64.00	40.48	11.99	10.46
50.00	50MM	69.85	58.00	66.00	40.48	13.50	11.96
53.00	53MM	73.05	62.00	69.00	41.00	13.50	11.96
55.00	55MM	76.20	65.00	71.00	41.00	13.50	11.96
58.00	58MM	79.40	68.00	78.00	41.00	13.50	11.96
60.00	60MM	79.40	68.00	80.00	41.00	13.50	11.96
63.00	63MM	82.55	71.20	83.00	41.00	13.50	11.96
65.00	65MM	92.10	78.35	85.00	49.00	15.90	14.50
70.00	70MM	95.25	81.10	90.00	49.00	15.90	14.50
73.00	73MM	98.45	84.50	96.00	49.00	15.90	14.50
75.00	75MM	101.65	88.10	99.00	49.00	15.90	14.50
80.00	80MM	114.30	97.00	104.00	56.00	20.00	18.50
85.00	85MM	117.50	100.00	109.00	56.00	20.00	18.50
90.00	90MM	123.85	107.00	114.00	59.00	20.00	18.50
95.00	95MM	127.00	110.00	119.00	59.00	20.00	18.50
100.00	100MM	133.35	116.00	124.00	62.00	20.00	18.50

Standard Face Materials

Rotary: Carbon, Silicon Carbide, Tungsten Carbide

Stat: Ceramic, Silicon Carbide, Tungsten Carbide

Maximum Operating Limits

PRESSURE 170 psi SPEED 15m/s

TEMPERATURE -40^0 + 200^0 C

Dependent on shaft dia, Speed, Temp and Media to be sealed

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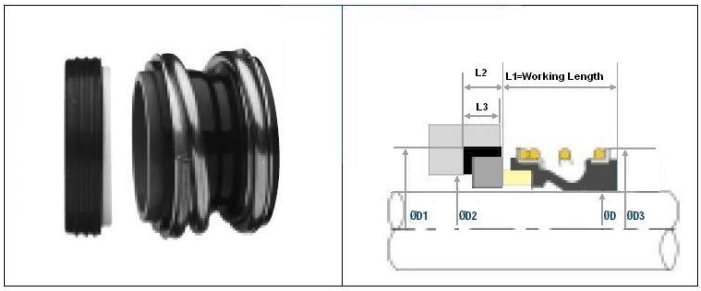
Abbey TY1520



Imperial DIN profile seal and a standard seat to suit a common International standard. The seal has the same working length and the same stationary seat as the Abbey TY20 and is suitable for general duties

Abbey Standard sizes IMPERIAL

Shaft Size OD	Size Code	0D1	OD2	OD3	L1	L2	L3
0.375	-037	24.60	16.00	20.00	25.40	8.74	7.47
0.500	-050	27.79	19.05	22.00	25.40	8.74	7.47
0.625	-062	30.95	22.23	26.00	25.40	10.32	8.97
0.750	-075	34.15	25.40	32.00	25.40	10.32	8.97
0.875	-087	37.30	28.58	36.00	25.40	10.32	8.97
1.000	-100	40.50	31.75	39.00	25.40	10.32	8.97
1.125	-112	47.63	35.72	42.00	33.34	11.99	10.46
1.250	-125	50.80	38.89	46.00	33.34	11.99	10.46
1.375	-137	53.98	42.07	49.00	33.34	11.99	10.46
1.500	-150	57.15	45.24	54.00	33.34	11.99	10.46
1.625	-162	60.35	48.82	56.00	33.34	11.99	10.46
1.750	-175	63.50	51.59	61.00	40.48	11.99	10.46
1.875	-187	66.70	54.75	64.00	40.48	11.99	10.46
2.000	-200	69.85	58.00	66.00	40.48	13.50	11.96
2.125	-212	73.05	62.00	69.00	41.00	13.50	11.96
2.250	-225	76.20	65.00	78.00	41.00	13.50	11.96
2.375	-237	79.40	68.00	80.00	41.00	13.50	11.96
2.500	-250	82.55	71.20	83.00	41.00	13.50	11.96
2.625	-262	92.10	78.35	85.00	49.00	15.90	14.50
2.750	-275	95.25	81.10	90.00	49.00	15.90	14.50
2.875	-287	98.45	84.50	96.00	49.00	15.90	14.50
3.000	-300	101.65	88.10	99.00	49.00	15.90	14.50
3.125	-312	111.15	93.68	104.00	56.00	20.00	18.50
3.250	-325	114.30	96.85	104.00	56.00	20.00	18.50
3.375	-337	117.50	100.00	109.00	56.00	20.00	18.50
3.500	-350	120.65	103.18	114.00	56.00	20.00	18.50
3.625	-362	123.85	106.35	114.00	59.00	20.00	18.50
3.750	-375	127.00	109.52	119.00	59.00	20.00	18.50
3.875	-387	130.20	112.65	122.00	62.00	20.00	18.50
4.000	-400	133.35	115.88	124.00	62.00	20.00	18.50

Standard Face Materials
Rotary: Carbon, Silicon Carbide, Tungsten Carbide
Stat: Ceramic, Silicon Carbide, Tungsten Carbide

Maximum Operating Limits
PRESSURE 170 psi SPEED 15m/s
TEMPERATURE -40^0 + 200^0 C
Dependent on shaft dia, speed, Temp and Media to be sealed

DUBLIN T: +353 (0)1 427 7900 E: dublin@abbeyseals.ie
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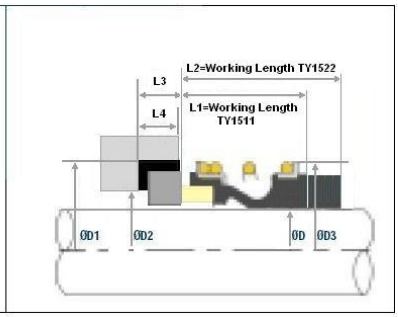
Abbey TY1511/TY1522



DIN profile seal and a standard seat with a choice of working lengths to suit common American Standards. Seal has the same seat as TY11 or TY22 and is suitable for general duties.

Abbey Standard sizes METRIC

Shaft Size OD	Size Code	0D1	OD2	OD3	L1	L2	L3	L4
12.00	12MM	25.40	19.05	22.00	20.62	31.75	7.93	6.35
14.00	14MM	31.75	23.80	24.00	22.22	34.93	10.28	8.71
16.00	16MM	31.75	23.80	26.00	22.22	34.93	10.28	8.71
18.00	18MM	34.93	26.98	32.00	22.22	34.93	10.28	8.71
20.00	20MM	38.10	30.15	34.00	23.80	36.50	10.28	8.71
22.00	22MM	38.10	30.15	36.00	23.80	36.50	10.28	9.53
24.00	24MM	41.28	33.32	38.00	25.40	41.28	11.10	9.53
25.00	25MM	41.28	33.32	39.00	25.40	41.28	11.10	9.53
28.00	28MM	44.44	36.50	42.00	26.97	42.85	11.10	9.53
30.00	30MM	47.63	37.90	44.00	26.97	42.85	11.10	9.53
32.00	32MM	47.63	37.90	46.00	26.97	42.85	11.10	9.53
33.00	33MM	50.80	42.84	47.00	28.58	42.85	11.10	9.53
35.00	35MM	50.80	42.84	49.00	28.58	42.85	11.10	9.53
38.00	38MM	53.98	46.05	54.00	28.58	42.85	11.10	9.53
40.00	40MM	60.33	50.80	56.00	34.93	50.80	12.70	11.10
43.00	43MM	63.50	53.97	59.00	34.93	50.80	12.70	11.10
44.00	44MM	63.50	53.97	61.00	34.93	50.80	12.70	11.10
45.00	45MM	66.68	57.15	61.00	38.10	53.98	12.70	11.10
48.00	48MM	69.85	60.32	64.00	38.10	53.98	12.70	11.10
50.00	50MM	69.85	60.32	66.00	38.10	53.98	12.70	11.10
53.00	53MM	76.20	60.32	69.00	42.88	60.32	14.28	12.70
55.00	55MM	79.38	61.90	78.00	42.88	60.32	14.28	12.70
58.00	58MM	82.55	67.39	78.00	46.02	63.50	14.28	12.70
60.00	60MM	82.55	67.39	80.00	46.02	63.50	14.28	12.70
63.00	63MM	85.73	68.25	83.00	46.02	63.50	14.28	12.70
65.00	65MM	85.73	71.24	85.00	49.20	69.85	15.90	14.50
68.00	68MM	88.90	74.60	88.00	49.20	69.85	15.90	14.50
70.00	70MM	88.90	74.60	90.00	49.20	69.85	15.90	14.50
73.00	73MM	95.25	77.77	96.00	52.37	73.03	15.90	14.50
75.00	75MM	98.43	80.95	99.00	52.37	73.03	15.90	14.50

Standard Face Materials

Rotary: Carbon, Silicon Carbide, Tungsten Carbide

Stat: Ceramic, Silicon Carbide, Tungsten Carbide

Maximum Operating Limits

PRESSURE 170 psi SPEED 15m/s

TEMPERATURE -40^0 + 200^0 C

Dependent on shaft dia, Speed, Temp and Media to be sealed

DUBLIN T: +353 (0)1 427 7900 E: dublin@abbeyseals.ie
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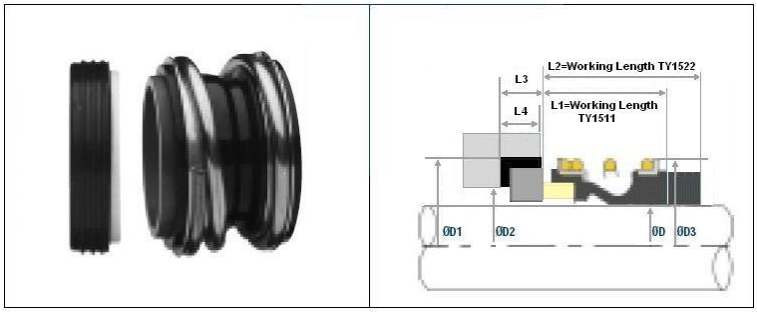
Abbey TY1511/TY1522



DIN profile seal and a standard seat with a choice of working lengths to suit common American Standards. Seal has the same seat as TY11 or TY22 and is suitable for general duties.

Abbey Standard sizes IMPERIAL

Shaft Size OD	Size Code	0D1	OD2	OD3	L1	L2	L3	L4
0.500	-050	25.40	19.05	22.00	20.62	31.75	7.93	6.35
0.625	-062	31.75	23.80	26.00	22.22	34.93	10.28	8.71
0.750	-075	34.93	26.98	32.00	22.22	34.93	10.28	8.71
0.875	-087	38.10	30.15	36.00	23.80	36.50	10.28	8.71
1.000	-100	41.28	33.32	39.00	25.40	41.28	10.28	8.71
1.125	-112	44.44	36.50	42.00	26.97	42.85	11.10	9.53
1.250	-125	47.63	37.90	46.00	26.97	42.85	11.10	9.53
1.375	-137	50.80	42.84	49.00	28.58	42.85	11.10	9.53
1.500	-150	53.98	46.05	54.00	28.58	42.85	11.10	9.53
1.625	-162	60.33	50.80	56.00	34.93	50.80	12.70	11.10
1.750	-175	63.50	53.97	61.00	34.93	50.80	12.70	11.10
1.875	-187	66.68	57.15	61.00	38.10	53.98	12.70	11.10
2.000	-200	69.85	60.32	66.00	38.10	53.98	12.70	11.10
2.125	-212	76.20	60.32	69.00	42.88	60.32	14.28	12.70
2.250	-225	79.38	61.90	78.00	42.88	60.32	14.28	12.70
2.375	-237	82.55	67.39	80.00	46.02	63.50	14.28	12.70
2.500	-250	85.73	68.25	83.00	46.02	63.50	14.28	12.70
2.625	-262	85.73	71.24	85.00	49.20	69.85	15.90	14.50
2.750	-275	88.90	74.60	90.00	49.20	69.85	15.90	14.50
2.875	-287	95.25	77.77	96.00	52.37	73.03	15.90	14.50
3.000	-300	98.43	80.95	99.00	52.37	73.03	15.90	14.50

Standard Face Materials
Rotary: Carbon, Silicon Carbide, Tungsten Carbide
Stat: Ceramic, Silicon Carbide, Tungsten Carbide

Maximum Operating Limits
PRESSURE 170 psi SPEED 15m/s
TEMPERATURE -40^0 + 200^0 C
Dependent on shaft dia, speed, Temp and Media to be sealed

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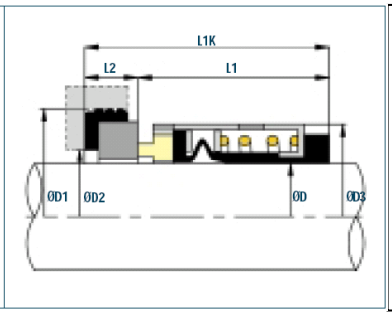
AbbeySeals
THE SEAL SPECIALISTS

Abbey TY1724



High performance, wide duty, full convolution rubber bellows seal inside a stainless steel housing.TY1724 features a non-clogging spring and self alignment capability, and is offer with a choice of TY24 Boot mounted – as shown- or DIN (short or long) O'Ring mounted seats.

Abbey Standard sizes

Shaft Size OD	Size Code	0D1	OD2	OD3	L1	L2	L1K
14.00	14MM	25.00	21.00	24.00	26.40	8.60	35.00
16.00	16MM	27.00	23.00	26.00	26.40	8.60	35.00
18.00	18MM	33.00	27.00	32.00	27.50	10.00	37.50
20.00	20MM	35.00	29.00	34.00	27.50	10.00	37.50
22.00	22MM	37.00	31.00	36.00	27.50	10.00	37.50
24.00	24MM	39.00	33.00	38.00	30.00	10.00	40.00
25.00	25MM	40.00	34.00	39.00	30.00	10.00	40.00
28.00	28MM	43.00	37.00	42.00	32.50	10.00	42.50
30.00	30MM	45.00	39.00	44.00	32.50	10.00	42.50
32.00	32MM	48.00	42.00	46.00	32.50	10.00	42.50
33.00	33MM	48.00	42.00	47.00	32.50	10.00	42.50
35.00	35MM	50.00	44.00	49.00	32.50	10.00	42.50
38.00	38MM	56.00	49.00	54.00	34.00	11.00	45.00
40.00	40MM	58.00	51.00	56.00	34.00	11.00	45.00
43.00	43MM	61.00	54.00	59.00	34.00	11.00	45.00
45.00	45MM	63.00	56.00	61.00	34.00	11.00	45.00
48.00	48MM	66.00	59.00	64.00	34.00	11.00	45.00
50.00	50MM	70.00	62.00	66.00	34.50	13.00	47.50
53.00	53MM	73.00	65.00	69.00	34.50	13.00	47.50
55.00	55MM	75.00	67.00	71.00	34.50	13.00	47.50
58.00	58MM	78.00	70.00	78.00	39.50	13.00	52.50
60.00	60MM	80.00	72.00	80.00	39.50	13.00	52.50
63.00	63MM	83.00	75.00	83.00	39.50	13.00	52.50
65.00	65MM	85.00	77.00	85.00	39.50	13.00	52.50
68.00	68MM	90.00	81.00	88.00	37.20	15.30	52.50
70.00	70MM	92.00	83.00	89.00	44.70	15.30	60.00
75.00	75MM	97.00	88.00	96.00	44.70	15.30	60.00
80.00	80MM	105.00	95.00	104.00	44.30	15.70	60.00
85.00	85MM	110.00	100.00	108.00	44.30	15.70	60.00
90.00	90MM	115.00	105.00	114.00	49.30	15.70	65.00
95.00	95MM	120.00	110.00	118.00	49.30	15.70	65.00
100.00	100MM	125.00	115.00	124.00	49.30	15.70	65.00

Standard Face Materials

Rotary: Carbon, Silicon Carbide, Tungsten Carbide

Stat: Ceramic, Silicon Carbide, Tungsten Carbide

Maximum Operating Limits

PRESSURE 260 psi **SPEED 18m/s**

TEMPERATURE **-40^0 + 200^0 C**

Dependent on shaft dia, speed, Temp and Media to be sealed

DUBLIN T: +353 (0)1 427 7900 E: dublin@abbeyseals.ie
CORK T: +353 (0)21 500 3555 E: cork@abbeyseals.ie

abbeyseals.ie

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