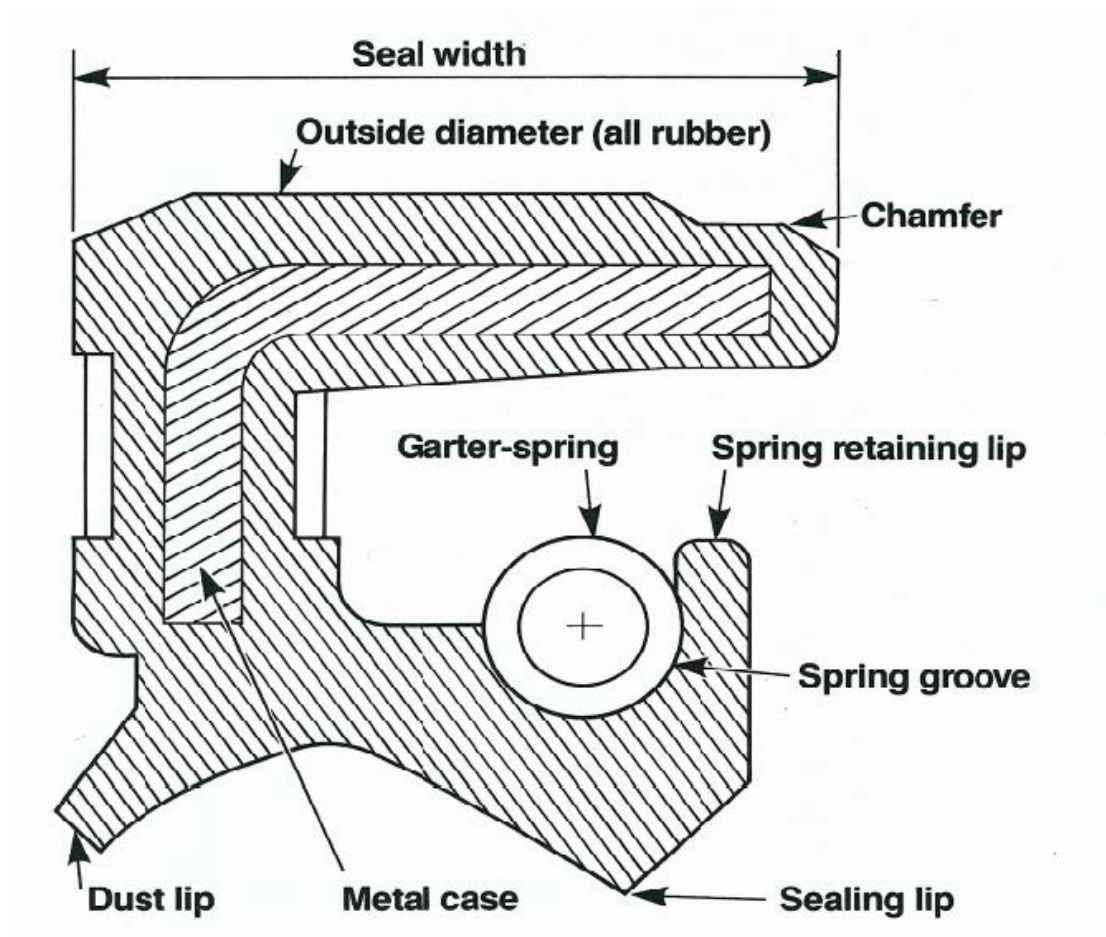


## TC Oil Seal Design

Finer Power Transmissions stock a large range of Nitrile/Natural Buna Rubber (NBR & Viton) oil seals. These are the most commonly used seals and have excellent resistance to the swelling effects of petroleum oils with a working temperature between  $-40^{\circ}\text{C}$  and  $+120^{\circ}\text{C}$ . Standard Spring is carbon steel in a regular TC seal.



## Oil Seals - Metric

5 x 18 x 7TC	13 x 25 x 7TC	17 x 30 x 7TC	20 x 45 x 7TC	25 x 44 x 7TC	30 x 44 x 9TC
6 x 16 x 7TC	13 x 26 x 7TC	17 x 32 x 7TC	20 x 47 x 7TC	25 x 45 x 8TC	30 x 45 x 7TC
6 x 19 x 7TC	13 x 27 x 7TC	17 x 35 x 7TC	20 x 48 x 7TC	25 x 47 x 7TC	30 x 45 x 8TC
6 x 22 x 7TC	13 x 28 x 7TC	17 x 36 x 7TC	20 x 50 x 7TC	25 x 48 x 8TC	30 x 46 x 7TC
6 x 24 x 7TC	13 x 30 x 7TC	17 x 37 x 7TC	20 x 52 x 7TC	25 x 50 x 8TC	30 x 47 x 7TC
7 x 22 x 7TC	13 x 35 x 7TC	17 x 38 x 7TC	22 x 32 x 7TC	25 x 52 x 7TC	30 x 48 x 7TC
8 x 16 x 7TC	14 x 22 x 7TC	17 x 40 x 8TC	22 x 35 x 7TC	25 x 55 x 8TC	30 x 50 x 8TC
8 x 18 x 7TC	14 x 24 x 7TC	17 x 45 x 7TC	22 x 36 x 7TC	25 x 60 x 8TC	30 x 52 x 7TC
8 x 19 x 7TC	14 x 25 x 7TC	17 x 46 x 7TC	22 x 37 x 7TC	25 x 62 x 8TC	30 x 55 x 8TC
8 x 22 x 7TC	14 x 26 x 7TC	17 x 47 x 8TC	22 x 38 x 7TC	26 x 37 x 7TC	30 x 56 x 10TC
8 x 24 x 7TC	14 x 27 x 7TC	18 x 28 x 7TC	22 x 40 x 8TC	26 x 40 x 7TC	30 x 58 x 10TC
9 x 18 x 7TC	14 x 28 x 7TC	18 x 30 x 7TC	22 x 42 x 7TC	26 x 42 x 8TC	30 x 60 x 8TC
9 x 22 x 7TC	14 x 30 x 7TC	18 x 32 x 7TC	22 x 43 x 8TC	26 x 45 x 8TC	30 x 62 x 8TC
9 x 24 x 7TC	14 x 32 x 7TC	18 x 33 x 7TC	22 x 45 x 7TC	26 x 47 x 7TC	30 x 65 x 8TC
9 x 26 x 7TC	14 x 35 x 7TC	18 x 35 x 7TC	22 x 47 x 7TC	27 x 37 x 7TC	30 x 68 x 8TC
9 x 28 x 8TC	15 x 24 x 7TC	18 x 36 x 7TC	22 x 48 x 8TC	27 x 40 x 7TC	30 x 70 x 8TC
10 x 18 x 7TC	15 x 25 x 7TC	18 x 37 x 7TC	22 x 50 x 8TC	27 x 41 x 7TC	30 x 72 x 8TC
10 x 19 x 7TC	15 x 26 x 7TC	18 x 38 x 7TC	22 x 52 x 7TC	27 x 42 x 8TC	31 x 50 x 8TC
10 x 20 x 7TC	15 x 28 x 7TC	18 x 40 x 7TC	23 x 35 x 7TC	27 x 43 x 9TC	32 x 42 x 8TC
10 x 22 x 7TC	15 x 30 x 7TC	19 x 30 x 8TC	23 x 37 x 7TC	27 x 45 x 8TC	32 x 44 x 7TC
10 x 24 x 7TC	15 x 32 x 7TC	19 x 32 x 7TC	23 x 40 x 7TC	27 x 47 x 8TC	32 x 45 x 8TC
10 x 25 x 7TC	15 x 33 x 7TC	19 x 35 x 7TC	23 x 42 x 7TC	27 x 48 x 8TC	32 x 46 x 8TC
10 x 26 x 7TC	15 x 35 x 7TC	19 x 36 x 7TC	24 x 34 x 7TC	27 x 52 x 8TC	32 x 47 x 7TC
10 x 28 x 7TC	15 x 36 x 7TC	19 x 37 x 7TC	24 x 35 x 7TC	28 x 38 x 7TC	32 x 48 x 8TC
10 x 30 x 7TC	15 x 37 x 7TC	19 x 38 x 7TC	24 x 37 x 7TC	28 x 40 x 8TC	32 x 50 x 8TC
10 x 35 x 7TC	15 x 38 x 7TC	19 x 40 x 7TC	24 x 38 x 7TC	28 x 42 x 8TC	32 x 52 x 7TC
11 x 22 x 7TC	15 x 40 x 7TC	19 x 42 x 7TC	24 x 40 x 7TC	28 x 43 x 7TC	32 x 54 x 8TC
11 x 26 x 7TC	15 x 42 x 7TC	19 x 45 x 7TC	24 x 42 x 7TC	28 x 45 x 7TC	32 x 55 x 8TC
12 x 21 x 7TC	16 x 24 x 7TC	19 x 47 x 7TC	24 x 45 x 7TC	28 x 45 x 8TC	32 x 56 x 10TC
12 x 22 x 7TC	16 x 26 x 7TC	20 x 28 x 7TC	24 x 47 x 7TC	28 x 47 x 7TC	32 x 58 x 8TC
12 x 23 x 7TC	16 x 28 x 7TC	20 x 30 x 7TC	24 x 50 x 8TC	28 x 48 x 7TC	32 x 60 x 8TC
12 x 24 x 7TC	16 x 30 x 7TC	20 x 32 x 7TC	24 x 52 x 7TC	28 x 50 x 8TC	32 x 62 x 8TC
12 x 25 x 7TC	16 x 32 x 7TC	20 x 32 x 8TC	25 x 32 x 7TC	28 x 52 x 8TC	32 x 65 x 10TC
12 x 26 x 7TC	16 x 35 x 7TC	20 x 34 x 7TC	25 x 35 x 7TC	28 x 55 x 7TC	32 x 78 x 10TC
12 x 27 x 7TC	16 x 36 x 7TC	20 x 35 x 7TC	25 x 36 x 7TC	29 x 40 x 8TC	33 x 45 x 7TC
12 x 28 x 7TC	16 x 37 x 7TC	20 x 36 x 7TC	25 x 37 x 7TC	29 x 50 x 8TC	33 x 50 x 7TC
12 x 30 x 7TC	16 x 38 x 7TC	20 x 37 x 7TC	25 x 38 x 7TC	29 x 52 x 8TC	33 x 52 x 10TC
12 x 32 x 7TC	16 x 40 x 7TC	20 x 38 x 7TC	25 x 39 x 7TC	30 x 40 x 7TC	33 x 55 x 10TC
12 x 35 x 7TC	16 x 45 x 7TC	20 x 40 x 7TC	25 x 40 x 7TC	30 x 41 x 7TC	33 x 56 x 10TC
12 x 37 x 7TC	17 x 26 x 7TC	20 x 40 x 8TC	25 x 42 x 8TC	30 x 42 x 7TC	34 x 44 x 8TC
13 x 20 x 7TC	17 x 28 x 7TC	20 x 42 x 7TC	25 x 43 x 7TC	30 x 43 x 8TC	34 x 46 x 8TC

## Oil Seals - Metric

34 x 48 x 8TC	37 x 59 x 8TC	42 x 52 x 8TC	47 x 62 x 8TC	54 x 72 x 10TC	60 x 110 x 10TC
34 x 50 x 7TC	37 x 60 x 9TC	42 x 55 x 8TC	47 x 65 x 8TC	54 x 74 x 8TC	60 x 130 x 10TC
34 x 52 x 8TC	37 x 62 x 10TC	42 x 56 x 8TC	47 x 70 x 8TC	54 x 81 x 10TC	62 x 80 x 10TC
34 x 54 x 9TC	38 x 50 x 7TC	42 x 58 x 8TC	48 x 60 x 8TC	54 x 82 x 10TC	62 x 82 x 10TC
34 x 55 x 10TC	38 x 52 x 8TC	42 x 60 x 8TC	48 x 62 x 8TC	55 x 67 x 10TC	62 x 85 x 10TC
34 x 58 x 10TC	38 x 54 x 8TC	42 x 62 x 8TC	48 x 65 x 8TC	55 x 68 x 10TC	62 x 90 x 10TC
34 x 62 x 10TC	38 x 55 x 8TC	42 x 65 x 8TC	48 x 68 x 8TC	55 x 70 x 10TC	62 x 95 x 10TC
34 x 72 x 10TC	38 x 56 x 10TC	42 x 67 x 10TC	48 x 70 x 8TC	55 x 72 x 10TC	62 x 100 x 10TC
34 x 75 x 10TC	38 x 58 x 8TC	42 x 68 x 10TC	48 x 72 x 8TC	55 x 75 x 10TC	63 x 82 x 8TC
35 x 42 x 8TC	38 x 60 x 8TC	42 x 70 x 8TC	48 x 74 x 10TC	55 x 78 x 10TC	63 x 85 x 10TC
35 x 45 x 7TC	38 x 62 x 10TC	42 x 72 x 8TC	48 x 75 x 8TC	55 x 80 x 10TC	63 x 90 x 10TC
35 x 46 x 8TC	38 x 65 x 10TC	42 x 75 x 8TC	48 x 80 x 8TC	55 x 82 x 10TC	64 x 80 x 8TC
35 x 47 x 7TC	38 x 68 x 10TC	43 x 56 x 7TC	48 x 82 x 8TC	55 x 85 x 10TC	64 x 85 x 10TC
35 x 48 x 8TC	38 x 70 x 10TC	43 x 60 x 10TC	48 x 85 x 8TC	55 x 90 x 10TC	65 x 80 x 10TC
35 x 50 x 8TC	38 x 72 x 10TC	43 x 64 x 10TC	50 x 62 x 8TC	55 x 95 x 10TC	65 x 82 x 10TC
35 x 52 x 8TC	38 x 74 x 10TC	43 x 66 x 10TC	50 x 65 x 8TC	55 x 100 x 10TC	65 x 85 x 10TC
35 x 54 x 8TC	38 x 75 x 8TC	43 x 69 x 10TC	50 x 67 x 9TC	55 x 120 x 10TC	65 x 88 x 8TC
35 x 55 x 9TC	38 x 80 x 8TC	43 x 73 x 10TC	50 x 68 x 8TC	56 x 70 x 8TC	65 x 90 x 10TC
35 x 56 x 8TC	39 x 62 x 7TC	44 x 58 x 10TC	50 x 69 x 10TC	56 x 72 x 8TC	65 x 92 x 10TC
35 x 57 x 10TC	39 x 63 x 7TC	44 x 60 x 7TC	50 x 70 x 8TC	56 x 78 x 10TC	65 x 95 x 10TC
35 x 58 x 10TC	39 x 65 x 10TC	44 x 61 x 8TC	50 x 72 x 8TC	56 x 80 x 8TC	65 x 100 x 10TC
35 x 60 x 8TC	40 x 50 x 8TC	44 x 62 x 8TC	50 x 74 x 10TC	56 x 85 x 8TC	65 x 105 x 10TC
35 x 62 x 8TC	40 x 52 x 8TC	44 x 65 x 8TC	50 x 75 x 10TC	57 x 85 x 7TC	65 x 110 x 10TC
35 x 65 x 8TC	40 x 54 x 7TC	44 x 72 x 10TC	50 x 78 x 10TC	58 x 72 x 8TC	65 x 115 x 12TC
35 x 68 x 10SC	40 x 55 x 8TC	45 x 55 x 7TC	50 x 80 x 10TC	58 x 74 x 10TC	65 x 120 x 10TC
35 x 70 x 8TC	40 x 56 x 8TC	45 x 58 x 7TC	50 x 82 x 8TC	58 x 75 x 10TC	65 x 140 x 10TC
35 x 72 x 8TC	40 x 58 x 8TC	45 x 60 x 8TC	50 x 85 x 10TC	58 x 80 x 8TC	67 x 85 x 10TC
35 x 75 x 8TC	40 x 60 x 8TC	45 x 62 x 8TC	50 x 90 x 10TC	58 x 85 x 10TC	67 x 89 x 10TC
35 x 77 x 9TC	40 x 62 x 8TC	45 x 65 x 8TC	50 x 95 x 13TC	58 x 90 x 10TC	68 x 85 x 10TC
35 x 80 x 8TC	40 x 65 x 8TC	45 x 67 x 10TC	50 x 110 x 10TC	60 x 70 x 10TC	68 x 88 x 9TC
36 x 47 x 7TC	40 x 68 x 8TC	45 x 68 x 8TC	52 x 68 x 8TC	60 x 72 x 10TC	68 x 90 x 10TC
36 x 48 x 7TC	40 x 70 x 8TC	45 x 70 x 10TC	52 x 69 x 8TC	60 x 74 x 10TC	68 x 100 x 10TC
36 x 50 x 7TC	40 x 72 x 8TC	45 x 72 x 8TC	52 x 70 x 8TC	60 x 75 x 8TC	70 x 85 x 10TC
36 x 52 x 8TC	40 x 73 x 8TC	45 x 75 x 10TC	52 x 72 x 10TC	60 x 78 x 10TC	70 x 87 x 10TC
36 x 54 x 8TC	40 x 75 x 8TC	45 x 80 x 10TC	52 x 75 x 10TC	60 x 80 x 10TC	70 x 88 x 10TC
36 x 58 x 10TC	40 x 80 x 10TC	45 x 85 x 10TC	52 x 80 x 10TC	60 x 82 x 10TC	70 x 90 x 10TC
36 x 60 x 8TC	40 x 85 x 8TC	45 x 90 x 8TC	52 x 85 x 10TC	60 x 85 x 8TC	70 x 92 x 10TC
36 x 62 x 8TC	40 x 90 x 8TC	45 x 100 x 10TC	52 x 90 x 10TC	60 x 90 x 10TC	70 x 95 x 10TC
36 x 72 x 9TC	41 x 55 x 8TC	46 x 64 x 8TC	53 x 68 x 10TC	60 x 95 x 10TC	70 x 100 x 10TC
37 x 50 x 10TC	41 x 56 x 7TC	46 x 72 x 10TC	54 x 68 x 10TC	60 x 100 x 10TC	70 x 105 x 10TC
37 x 52 x 7TC	41 x 58 x 9TC	46 x 78 x 10TC	54 x 70 x 10TC	60 x 105 x 10TC	70 x 110 x 10TC

## Oil Seals - Metric

70 x 112 x 10TC	85 x 100 x 10TC	100 x 125 x 12TC	120 x 165 x 12TC	150 x 180 x 15TC	210 x 250 x 15TC
70 x 115 x 13TC	85 x 105 x 10TC	100 x 130 x 12TC	120 x 170 x 15TC	150 x 190 x 15TC	215 x 240 x 12TC
70 x 125 x 13TC	85 x 110 x 10TC	100 x 135 x 12TC	120 x 180 x 15TC	150 x 200 x 15TC	215 x 250 x 16TC
70 x 150 x 13TC	85 x 115 x 13TC	100 x 140 x 13TC	120 x 215 x 15TC	150 x 210 x 15TC	220 x 250 x 15TC
72 x 88 x 8TC	85 x 120 x 12TC	100 x 150 x 13TC	120 x 260 x 15TC	150 x 225 x 15TC	220 x 255 x 16TC
72 x 90 x 10TC	85 x 125 x 12TC	100 x 180 x 13TC	125 x 143 x 13TC	155 x 180 x 15TC	220 x 260 x 14TC
72 x 95 x 10TC	85 x 130 x 13TC	105 x 125 x 13TC	125 x 145 x 15TC	155 x 190 x 15TC	220 x 270 x 15TC
72 x 100 x 10TC	85 x 140 x 12TC	105 x 130 x 12TC	125 x 150 x 12TC	155 x 200 x 15TC	225 x 250 x 15TC
72 x 105 x 13TC	85 x 150 x 12TC	105 x 135 x 12TC	125 x 155 x 12TC	160 x 180 x 13TC	230 x 260 x 15TC
73 x 100 x 10TC	85 x 180 x 12TC	105 x 140 x 12TC	125 x 160 x 12TC	160 x 185 x 13TC	230 x 265 x 15TC
75 x 90 x 10TC	88 x 110 x 12TC	105 x 145 x 12TC	125 x 165 x 15TC	160 x 190 x 15TC	230 x 270 x 16TC
75 x 95 x 10TC	88 x 115 x 13TC	105 x 150 x 13TC	125 x 170 x 15TC	160 x 200 x 15TC	230 x 280 x 15TC
75 x 100 x 10TC	90 x 105 x 12TC	105 x 160 x 13TC	128 x 150 x 13TC	160 x 240 x 15TC	235 x 270 x 16TC
75 x 105 x 10TC	90 x 110 x 12TC	105 x 170 x 12TC	130 x 150 x 12TC	160 x 290 x 15TC	240 x 270 x 15TC
75 x 110 x 10TC	90 x 115 x 13TC	105 x 190 x 13TC	130 x 160 x 15TC	165 x 190 x 12TC	240 x 280 x 15TC
75 x 115 x 12TC	90 x 118 x 12TC	110 x 130 x 12TC	130 x 165 x 15TC	165 x 200 x 15TC	250 x 280 x 15TC
75 x 120 x 12TC	90 x 120 x 12TC	110 x 135 x 12TC	130 x 170 x 15TC	170 x 190 x 13TC	250 x 285 x 15TC
75 x 130 x 13TC	90 x 125 x 12TC	110 x 140 x 12TC	130 x 180 x 15TC	170 x 200 x 15TC	250 x 290 x 15TC
75 x 160 x 13TC	90 x 130 x 13TC	110 x 145 x 12TC	130 x 200 x 15TC	170 x 210 x 15TC	260 x 290 x 15TC
76 x 110 x 13TC	90 x 135 x 12TC	110 x 150 x 12TC	135 x 160 x 15TC	170 x 220 x 16TC	260 x 300 x 18TC
77 x 93 x 10TC	90 x 140 x 12TC	110 x 155 x 12TC	135 x 165 x 15TC	175 x 200 x 15TC	270 x 300 x 15TC
77 x 95 x 10TC	90 x 160 x 12TC	110 x 160 x 13TC	135 x 170 x 15TC	175 x 210 x 15TC	280 x 310 x 15TC
78 x 100 x 10TC	90 x 190 x 12TC	110 x 170 x 13TC	140 x 160 x 13TC	180 x 200 x 15TC	280 x 320 x 18TC
80 x 95 x 8TC	94 x 126 x 12TC	110 x 200 x 13TC	140 x 165 x 15TC	180 x 210 x 15TC	285 x 310 x 16TC
80 x 100 x 10TC	95 x 110 x 12TC	114 x 135 x 13TC	140 x 170 x 15TC	180 x 215 x 15TC	300 x 340 x 18TC
80 x 105 x 10TC	95 x 115 x 12TC	115 x 135 x 12TC	140 x 175 x 15TC	180 x 220 x 16TC	315 x 350 x 15TC
80 x 110 x 10TC	95 x 120 x 12TC	115 x 140 x 12TC	140 x 180 x 15TC	180 x 230 x 15TC	315 x 355 x 16TC
80 x 115 x 13TC	95 x 125 x 12TC	115 x 145 x 13TC	140 x 210 x 15TC	185 x 210 x 15TC	320 x 360 x 18TC
80 x 120 x 13TC	95 x 130 x 13TC	115 x 150 x 12TC	140 x 250 x 15TC	185 x 215 x 16TC	320 x 380 x 25TC
80 x 125 x 12TC	95 x 135 x 13TC	115 x 160 x 12TC	145 x 165 x 15TC	190 x 220 x 15TC	340 x 380 x 20TC
80 x 130 x 13TC	95 x 145 x 13TC	118 x 140 x 13TC	145 x 170 x 14TC	190 x 230 x 15TC	340 x 400 x 25TC
80 x 135 x 12TC	95 x 170 x 13TC	120 x 140 x 13TC	145 x 175 x 15TC	195 x 220 x 15TC	
80 x 140 x 12TC	95 x 200 x 13TC	120 x 145 x 13TC	145 x 180 x 15TC	200 x 230 x 15TC	
80 x 170 x 12TC	98 x 130 x 13TC	120 x 150 x 12TC	150 x 165 x 15TC	200 x 240 x 15TC	
82 x 105 x 13TC	100 x 118 x 12TC	120 x 155 x 12TC	150 x 168 x 13TC	200 x 250 x 15TC	
84 x 100 x 10TC	100 x 120 x 12TC	120 x 160 x 12TC	150 x 170 x 15TC	210 x 240 x 15TC	