

6.9 RADIAL SEAL SPECIFICATIONS (o-rings & x-rings)

NOTE:

This table is for identification purposes only and should not be used as manufacturing data. \emptyset dimensions refer to assembly rating (cyl. / shaft fit) on BS series seals, and actual measured dimension on P series seals. Use the standardized part number when sourcing from suppliers other than ARB. Some seal manufacturers may offer equivalent sizes under their own variations of the standard part number shown.

PART #	STANDARDIZED PART NUMBERING	OUTSIDE \emptyset mm[in]	INSIDE \emptyset mm[in]	SECTION \emptyset mm[in]	MATERIAL
160201	BS151 N70	80.96 [3.187]	76.20 [3.000]	2.62 [0.103]	Nitrile (NBR)
160202	BS152 N70	87.31 [3.437]	82.55 [3.250]	2.62 [0.103]	Nitrile (NBR)
160203	BS153 N70	93.66 [3.687]	88.90 [3.500]	2.62 [0.103]	Nitrile (NBR)
160204	BS154 N70	100.01 [3.937]	95.25 [3.750]	2.62 [0.103]	Nitrile (NBR)
160205-2	BS132 V75	49.21 [1.937]	44.50 [1.752]	2.62 [0.103]	Viton™ (FKM)
160206-2	BS130 V75	46.04 [1.813]	41.28 [1.625]	2.62 [0.103]	Viton™ (FKM)
160207-2	BS136 V75	55.56 [2.187]	50.80 [2.000]	2.62 [0.103]	Viton™ (FKM)
160208-2	BS030 V75	44.50 [1.752]	41.28 [1.625]	1.78 [0.070]	Viton™ (FKM)
160209-2	BS031 V75	47.63 [1.875]	44.45 [1.750]	1.78 [0.070]	Viton™ (FKM)
160210-2	BS028 V75	38.10 [1.500]	34.93 [1.375]	1.78 [0.070]	Viton™ (FKM)
160211-2	BS135 V75	53.98 [2.125]	49.21 [1.937]	2.62 [0.103]	Viton™ (FKM)
160212	BS041 V75	79.38 [3.125]	76.20 [3.000]	1.78 [0.070]	Viton™ (FKM)
160213	BS116 S40	23.81 [0.937]	19.05 [0.750]	2.62 [0.103]	Silicone (SI)
160214	BS025 V75	33.34 [1.313]	30.16 [1.187]	1.78 [0.070]	Viton™ (FKM)
160215	BS032 V75	50.80 [2.000]	47.63 [1.875]	1.78 [0.070]	Viton™ (FKM)
160216	BS014 V75	15.88 [0.625]	12.70 [0.500]	1.78 [0.070]	Viton™ (FKM)
160218	BS046 V75	111.13 [4.375]	107.95 [4.250]	1.78 [0.070]	Viton™ (FKM)
160219	BS038 V75	69.85 [2.750]	66.68 [2.625]	1.78 [0.070]	Viton™ (FKM)
160220-2	BS141 V75	63.50 [2.500]	58.74 [2.313]	2.62 [0.103]	Viton™ (FKM)
160221-2	BS129 V75	44.50 [1.752]	39.69 [1.563]	2.62 [0.103]	Viton™ (FKM)
160222	BS047 N70	117.48 [4.625]	114.30 [4.500]	1.78 [0.070]	Nitrile (NBR)
160223	BS045 N70	104.78 [4.125]	101.60 [4.000]	1.78 [0.070]	Nitrile (NBR)
160224	BS155 V75	106.36 [4.187]	101.60 [4.000]	2.62 [0.103]	Viton™ (FKM)
160225	P7 N70	10.60 [0.417]	6.80 [0.268]	1.90 [0.075]	Nitrile (NBR)
160226	P8 N70	11.60 [0.457]	7.80 [0.307]	1.90 [0.075]	Nitrile (NBR)
160227-2	BS138 V75	58.74 [2.313]	53.98 [2.125]	2.62 [0.103]	Viton™ (FKM)
160228	P3 N70	6.60 [0.260]	2.80 [0.110]	1.90 [0.075]	Nitrile (NBR)
160229	BS043 N70	92.08 [3.625]	88.90 [3.500]	1.78 [0.070]	Nitrile (NBR)
160230	BS034 V75	57.15 [2.250]	53.98 [2.125]	1.78 [0.070]	Viton™ (FKM)
160231	BS040 V75	76.20 [3.000]	73.03 [2.875]	1.78 [0.070]	Viton™ (FKM)
160232-2	BS037 V75	66.68 [2.625]	63.50 [2.500]	1.78 [0.070]	Viton™ (FKM)
160233-2	BS148 V75	74.61 [2.937]	69.85 [2.750]	2.62 [0.103]	Viton™ (FKM)
160234	BS104 N70	7.94 [0.313]	3.18 [0.125]	2.62 [0.103]	Nitrile (NBR)
160235-2	BS133 V75	50.80 [2.000]	46.04 [1.813]	2.62 [0.103]	Viton™ (FKM)
160236	BS139 V75	60.33 [2.375]	55.56 [2.187]	2.62 [0.103]	Viton™ (FKM)
160237	BS008 N70	7.94 [0.313]	4.76 [0.187]	1.78 [0.070]	Nitrile (NBR)
160238	BS013 N70	14.29 [0.563]	11.11 [0.437]	1.78 [0.070]	Nitrile (NBR)
160239-2	BS146 V75	71.44 [2.813]	66.68 [2.625]	2.62 [0.103]	Viton™ (FKM)
160240	P9 V75	12.60 [0.496]	8.80 [0.346]	1.90 [0.075]	Viton™ (FKM)
160241	BS031 N70	47.63 [1.875]	44.45 [1.750]	1.78 [0.070]	Nitrile (NBR)
160242	BS010 V75	9.53 [0.375]	6.35 [0.250]	1.78 [0.070]	Viton™ (FKM)
160243	BS028 N70	38.10 [1.500]	34.93 [1.375]	1.78 [0.070]	Nitrile (NBR)
160244	BS113 N70	19.05 [0.750]	14.29 [0.563]	2.62 [0.103]	Nitrile (NBR)
160245	BS209 N70	23.81 [0.937]	17.46 [0.687]	3.53 [0.139]	Nitrile (NBR)
160246-2	BS151 V75	80.96 [3.187]	76.20 [3.000]	2.62 [0.103]	Viton™ (FKM)
160247	BS032 S70	50.80 [2.000]	47.63 [1.875]	1.78 [0.070]	Silicone (SI)
160248-2	BS140 V75	61.91 [2.437]	57.15 [2.250]	2.62 [0.103]	Viton™ (FKM)
160249	BS010 V75	9.53 [0.375]	6.35 [0.250]	1.78 [0.070]	Viton™ (FKM)

ARB AIR LOCKER *Air Operated Locking Differentials*

PART #	STANDARDIZED PART NUMBERING	OUTSIDE Ø mm[in]	INSIDE Ø mm[in]	SECTION Ø mm[in]	MATERIAL
160250	BS029 N70	41.28 [1.625]	38.10 [1.500]	1.78 [0.070]	Nitrile (NBR)
160251-2	BS149 V75	76.20 [3.000]	71.44 [2.812]	2.62 [0.103]	Viton™ (FKM)
160252	25.00(ID)x1.50		25.00 [0.984]	1.50 [0.059]	
160253	BS017 S70	20.64 [0.812]	17.46 [0.687]	1.78 [0.070]	Silicone (SI)
160254	BS045 V75	104.78 [4.125]	101.60 [4.000]	1.78 [0.070]	Viton™ (FKM)
160255	BS048 V75	123.83 [4.875]	120.65 [4.750]	1.78 [0.070]	Viton™ (FKM)
160256	BS006 N90	6.35 [0.250]	3.18 [0.125]	1.78 [0.070]	Nitrile (NBR)
160257-2	BS142 V75	65.09 [2.562]	60.33 [2.375]	2.62 [0.103]	Viton™ (FKM)
160258	BS043 V75	92.08 [3.625]	88.90 [3.500]	1.78 [0.070]	Viton™ (FKM)
160259	BS044 V75	98.43 [3.875]	95.25 [3.750]	1.78 [0.070]	Viton™ (FKM)