

Datasheet

Nitrile Rubber Seal, 12.7mm Bore, 18mm Outside Diameter, -10 to +80°C

RS Stock number 689-530



Description:

These seals comprise a metal annulus to which a medium nitrile elastomeric ring of trapezoidal cross-section is bonded. They provide high and low pressure sealing for ports on fluid systems where mineral based hydraulic fluids or mineral based engine lubricating oils are present.

Available in both metric and BSP-based Imperial sizes

Hardness: 1 RHD 85-95

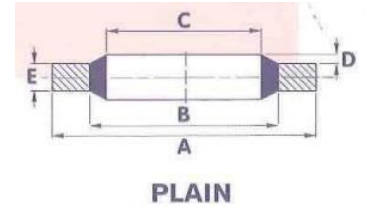
Temperature range: -30°C to +110°C

Note: The width (or thickness) quoted for the self-centralising bonded washers relates to the thickness of the fibre part of the washer.

Specifications

Inside Diameter:	12.7mm
Material:	Nitrile Rubber
Maximum Operating Temperature:	+80°C
Minimum Operating Temperature:	-10°C
Outside Diameter:	18mm
Thickness:	1.5mm
Type:	Bonded Seal

REFERENCE	THREAD SIZE	A +0.13 -0.00	B +0.10 -0.10	C +0.10 -0.10	D +0.25 -0.00	E +0.15 -0.15	APPROX BURST PRESSURE (BAR)	
	3.5	7.20	5.20	4.10	0.30	1.00	1600	
	4	7.00	5.40	4.50			1250	
	5	9.00	6.80	5.70			1400	
	5	10.00	7.40	5.70			1500	
	5.5	9.20	7.20	6.20			1220	
	6	10.00	8.00	6.70			1130	
	6	11.00	8.20	6.70			1510	
	6	11.00	8.20	6.70			1480	
	6.5	12.00	8.80	7.10			1560	
	6.7	10.20	8.60	7.30			1330	
	8	13.40	9.40	8.50			1780	
	8	13.00	10.00	8.70			1330	
	8	14.00	10.40	8.70			1550	
	8	16.00	10.40	8.70			2150	
	8.5	13.30	10.50	9.30	1200			
	10	15.88	12.00	10.35	2.00	1450		
689-524	10	16.00	12.40	10.70	0.40	1.50	1350	
	10	18.00	12.40	10.70			1880	
	11	16.30	12.70	11.40			1250	
	11	18.50	13.70	11.80			1540	
	11	19.10	13.50	11.80			1770	
689-530	12	18.00	14.30	12.70			1250	
	12	20.00	14.40	12.70			1680	
	13	20.00	15.40	13.70			1340	
	13	22.00	15.40	13.70			1810	
	13.5	18.70	15.70	14.00			900	
	14	22.00	16.40	14.70			1510	
	15	22.70	17.78	16.00			1260	
689-546	16	24.00	18.40	16.70			1400	
	17	24.00	19.20	17.40			1150	
	17.5	24.70	20.10	18.00	1070			
689-552	18	26.00	20.40	18.70	0.40	2.00	1275	
	20	28.00	22.50	20.70			1150	
	21	28.70	23.30	21.50			2.50	1080
	22	28.00	24.20	22.50			1.50	760
689-568	22	30.00	24.40	22.70			2.00	1100
	22	30.00	24.40	22.70			3.00	1080
	24	32.00	26.40	24.70			2.00	1050
	26	35.00	28.40	26.70				1050
	27	36.00	29.00	27.20				1130
	28	37.00	30.40	28.70				1000
	30	39.00	33.00	31.00				860
	33	42.00	35.80	33.70				900
	33	43.00	36.40	34.30				880
	36	46.00	38.80	36.70				880
	39	51.00	41.90	40.00	2.50	1020		
	42	53.00	44.40	42.70	3.00	940		
	48	59.00	50.80	48.70		800		
	51	60.00	54.10	52.00		540		
	52	64.50	56.40	59.09		710		
	60	73.00	63.00	60.70		780		
	68	79.50	72.10	68.60		510		
	75	90.30	79.10	76.08	3.38	700		
	88	101.35	92.10	89.09	3.25	510		
	125	143.67	132.70	127.00	5.00	420		



PLAIN