

Self Centring Bonded Seals



Bonded seals have a rectangular section, metal washer, with a trapezoidal shaped ring of vulcanised rubber bonded to the inside. Both the washer and the material can be selected to suit a given application. The seal is for use in high pressure environments where copper washers are unsuitable.

The standard product is supplemented by a range of self-centering Bonded Seals that eliminate the possibility of leakage due to offset during assembly.

Our range includes BSP, Metric and is offered in Mild Steel with Nitrile Seal (316 Stainless Steel with Viton or Nitrile Seal available on request).

BSP Range (Mild Steel, Nitrile Seal)

Thread Size	Part Number	d ϕ \pm 0.13	C ϕ Centralising Lip	E	P	R \pm 0.1	d1 ϕ \pm 0.10	D ϕ \pm 0.13	S \pm 0.10	Price £	
1/8 BSP	BSN-18	10.37	8.26	0.38/0.63	0.25/0.51	0.20	11.84	15.88	2.00	0.44	
1/4 BSP	BSN-14	13.74	11.18				-0+0.25	15.21	20.57	2.00	0.44
3/8 BSP	BSN-38	17.28	14.76				18.75	23.80	2.00	0.44	
1/2 BSP	BSN-12	21.54	18.24				23.01	28.58	2.47	0.44	
3/4 BSP	BSN-34	27.05	23.83				28.53	34.93	2.47	0.65	
1 BSP	BSN-1	33.89	29.92				36.88	42.80	3.40	1.16	
1 1/4 BSP	BSN-114	42.93	38.45				-0+0.37	45.93	52.38	3.40	1.73
1 1/2 BSP	BSN-112	48.44	44.45				51.39	58.60	3.40	1.95	
2 BSP	BSN-2	60.58	56.26	63.63	73.03	3.40	2.96				

Metric Range (Mild Steel, Nitrile Seal)

Thread Size	Part Number	d ϕ \pm 0.13	C ϕ Centralising Lip	E	P	R \pm 0.1	d1 ϕ \pm 0.10	D ϕ \pm 0.13	S \pm 0.10	Price £
M8	BSN-M8	8.70	6.4	0.38/0.63	0.25/0.51	0.20	10.40	14.00	1.0	0.65
M10	BSN-M10	10.70	8.05				12.40	16.00	1.50	0.65
M12	BSN-M12	12.70	9.73				14.10	19.00	1.50	0.65
M14	BSN-M14	14.70	11.38				16.40	22.00	1.50	0.65
M16	BSN-M16	16.70	13.41				18.40	24.00	1.50	0.65
M18	BSN-M18	18.70	14.76				20.40	26.00	1.50	0.65
M20	BSN-M20	20.70	16.76				22.50	28.00	1.50	0.81
M22	BSN-M22	22.70	18.74				24.40	30.00	2.00	0.81
M24	BSN-M24	24.70	20.11				26.40	32.00	2.00	0.99

Technical Drawing

