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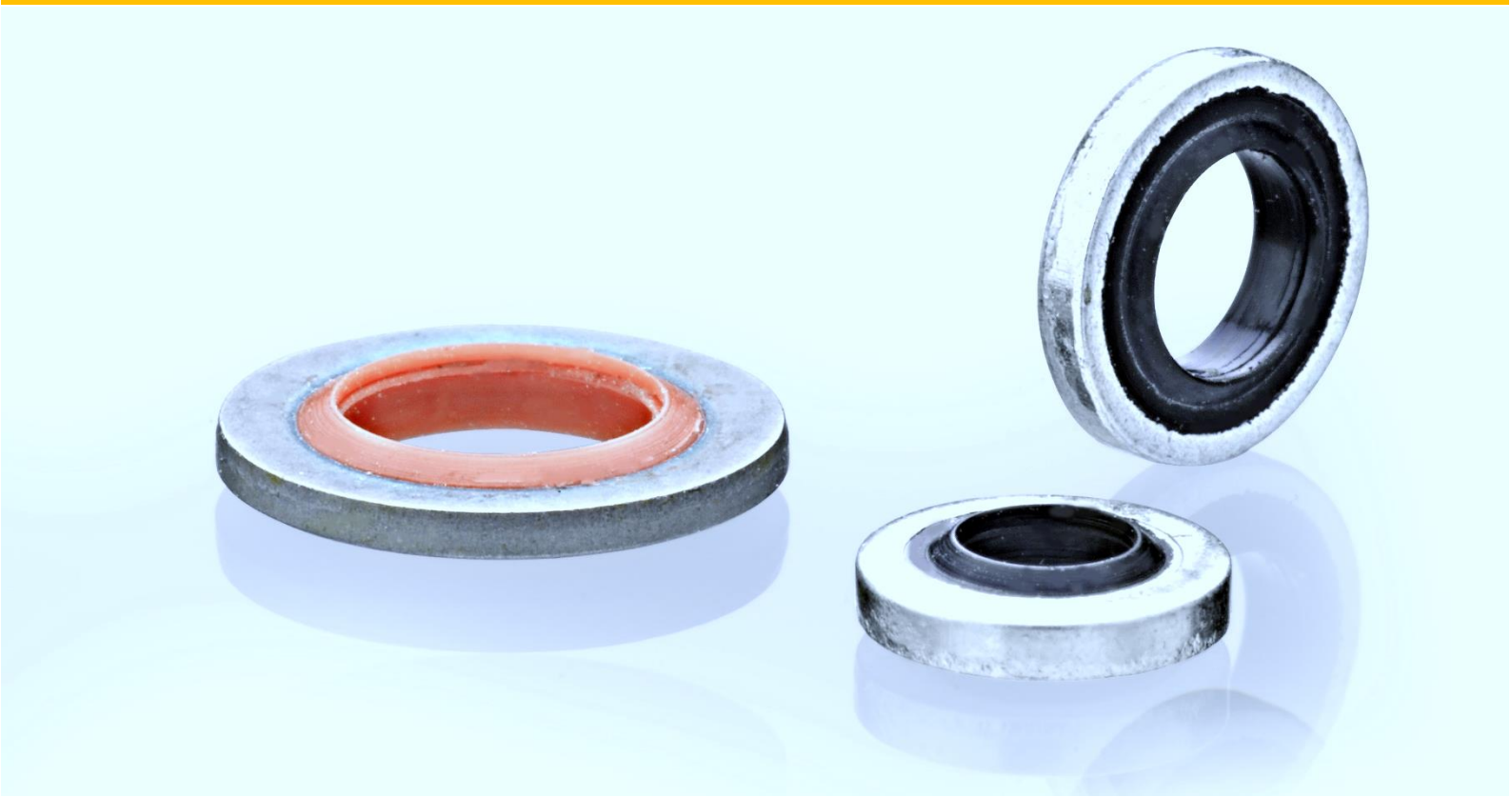

Standard Parts

Bonded Seals

Bonded Seals are standard elements applied for the sealing of bolted connections with flat surfaces. They combine a metal washer with an elastomer sealing lip vulcanised to the edge of the metal part to seal pipe connections and couplings. Sealing washers are available for metric and Whitworth threads.
The max. system pressure depends on the sealing design, the dimensions and the material qualities. Sealing washers are applicable up to a pressure of 200 MPa. Bonded Seals can withstand temperatures between – 50 and + 200 °C depending on the chosen elastomer type.

Benefit from the advantages of Bonded Seals from HOFFMANN:

- Easy installation
- Cost effective solution for bolt/thread sealing
- Reusable
- Versatile, applicable to all threaded bolts, studs and clearance holes
- Metal washer prevents over-compression and extrusion
- Large range of metals (steel, stainless steel, brass, aluminium) available
- Available in many different elastomers (EPDM, NBR, FPM, etc.)
- Reliable high and low pressure sealing

You may order our **Bonded Seals** as standard components or as custom made metal washers according to your specification.

Your contact:

Jochen Kugler
Director Sales

j.kugler@hofftech.com

Tel. (+49)-(0)7021 95010-12
Fax (+49)-(0)7021 95010-55

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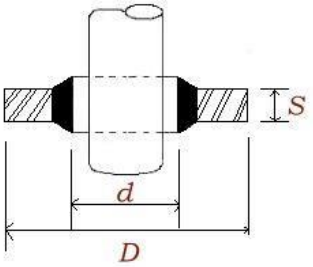
Bonded Seal Typ BS



ID (d)	AD (D)	H (s)	article
3.05	6.35	1.20	BS001
3.60	7.50	1.00	BS301
4.10	7.20	1.00	BS201
4.12	7.26	1.20	BS002
4.50	7.00	1.00	BS202
4.60	9.00	1.00	BS302
5.21	8.38	1.20	BS003
5.60	10.00	1.00	BS303
5.70	9.00	1.00	BS203
5.70	10.00	1.00	BS204
6.20	9.20	1.00	BS205
6.60	11.00	1.00	BS304
6.70	10.00	1.00	BS206
6.70	11.00	1.00	BS207
6.70	11.00	2.50	BS208
6.85	13.27	1.30	BS305
6.86	13.21	1.20	BS004
6.99	13.34	1.20	BS005
7.00	11.40	1.00	BS306
7.10	12.00	1.00	BS209
7.30	10.20	1.00	BS210
8.30	12.70	1.20	BS519
8.31	13.34	1.20	BS006
8.50	13.40	1.00	BS211
8.60	13.00	1.00	BS307
8.64	14.22	1.20	BS007
8.70	13.00	1.00	BS212
8.70	14.00	1.00	BS213
8.70	16.00	1.00	BS214
9.30	13.30	1.00	BS215
10.35	16.00	2.00	BS216
10.37	15.88	2.00	BS020
10.40	14.77	1.20	BS510
10.70	16.00	1.50	BS217

ID (d)	AD (D)	H (s)	article
10.70	18.00	1.50	BS218
10.70	17.00	1.50	BS310
11.26	18.36	2.00	BS008
11.40	16.30	1.50	BS219
11.69	19.05	2.00	BS009
11.80	18.50	1.50	BS220
11.80	19.10	1.50	BS221
11.80	18.10	1.50	BS312
12.70	18.00	1.50	BS222
12.70	20.00	1.50	BS223
12.70	19.00	1.50	BS313
13.70	20.00	1.50	BS224
13.70	22.00	1.50	BS225
13.74	20.57	2.00	BS021
13.80	20.10	1.50	BS315
13.85	18.70	1.20	BS511
14.00	18.70	1.50	BS226
14.70	22.00	1.50	BS227
14.70	21.00	1.50	BS316
14.86	22.23	2.00	BS010
15.83	22.23	2.00	BS022
16.00	22.70	1.50	BS228
16.51	25.40	2.00	BS011
16.70	24.00	1.50	BS229
16.70	23.00	1.50	BS317
17.20	23.90	2.00	BS319
17.28	23.80	2.00	BS023
17.35	22.70	1.20	BS512
17.40	24.00	1.50	BS230
18.00	24.70	1.50	BS231
18.16	25.40	2.30	BS012
18.70	26.00	1.50	BS232
18.70	27.00	2.00	BS320
19.69	26.92	2.30	BS024

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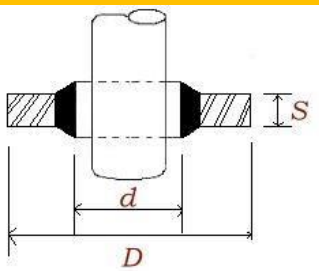
Bonded Seal Typ BS



ID (d)	AD (D)	H (s)	article
20.70	28,00	1,50	BS233
20.70	29,00	2,00	BS321
21.50	28,70	2,50	BS234
21.54	28,58	2,50	BS025
21.65	26,70	1,20	BS513
22.50	28,00	1,50	BS235
22.70	30,00	2,00	BS236
22.70	30,00	3,00	BS237
22.70	31,00	2,00	BS324
23.49	31,75	2,30	BS026
23.70	32,00	2,00	BS325
24.26	33,27	2,30	BS013
24.70	32,00	2,00	BS238
24.70	33,00	2,00	BS326
26.70	35,00	2,00	BS239
27.00	35,30	2,00	BS327
27.05	34,93	2,30	BS027
27.05	34,93	2,50	BS027
27.20	36,00	2,00	BS240
27.30	32,50	1,20	BS514
27.30	32,60	2,00	BS520
27.70	36,00	2,00	BS328
27.82	38,61	2,30	BS028
28.6	36,00	2,00	BS329
28.7	37,00	2,00	BS241
29.2	37,50	2,00	BS330
29.33	36,58	2,30	BS014
30.7	39,00	2,00	BS331
30.81	38,10	2,30	BS029
31.00	39,00	2,00	BS242
32.64	41,40	3,20	BS015
33.70	42,00	2,00	BS243
33.70	42,00	2,00	BS332
33.89	42,80	3,20	BS030

ID (d)	AD (D)	H (s)	article
33.89	42.80	2.30	BS031
34.20	39.50	2.00	BS515
34.30	43.00	2.00	BS244
35.94	44.45	3.20	BS016
36.70	46.00	2.00	BS245
37.00	48.00	2.50	BS333
38.96	47.75	3.20	BS017
40.00	51.00	2.50	BS246
40.00	51.00	2.50	BS334
42.70	53.00	3.00	BS247
42.80	49.50	2.00	BS516
42.93	52.38	3.20	BS032
43.00	54.00	2.50	BS335
45.34	57.15	3.20	BS018
46.00	57.00	2.50	BS336
48.44	58.60	3.20	BS033
48.70	59.00	3.00	BS248
48.70	55.50	2.00	BS517
49.00	60.00	2.50	BS337
51.69	63.50	3.20	BS019
52.00	60.00	3.00	BS249
53.30	64.50	3.00	BS250
54.89	69.85	3.20	BS034
58.04	70.36	3.20	BS035
60.50	68.50	2.00	BS518
60.58	73.03	3.20	BS036
60.70	73.00	3.00	BS251
64.39	77.22	3.20	BS037
66.68	79.50	3.20	BS038
68.60	79.50	3.50	BS252
76.08	90.17	3.20	BS039
76.08	90.30	3.50	BS253
89.09	101.48	3.20	BS254
127.00	143.67	5.00	BS255

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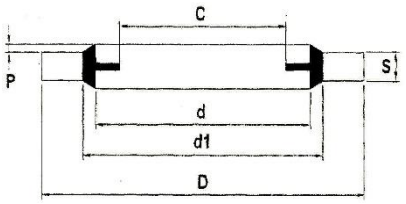
Bonded Seal Self Centering Typ SCR



d	C	d1	D	S	P	article
4,50	3,40	5,40	7,00	1,0	0,30	SCR202
5,70	4,50	6,80	9,00	1,0	0,30	SCR203
6,60	4,70	8,00	11,00	1,0	0,30	SCR304
6,70	4,70	8,00	10,00	1,0	0,40	SCR206
6,70	4,70	8,20	11,00	1,0	0,30	SCR207
8,60	6,30	10,20	13,00	1,0	0,50	SCR307
8,70	6,40	10,00	13,00	1,0	0,30	SCR212
8,70	6,40	10,40	14,00	1,0	0,30	SCR213
10,37	8,26	11,84	15,88	2,0	0,20	SCR020
10,70	8,05	12,40	16,08	1,5	0,40	SCR217
12,70	9,50	14,40	18,00	1,5	0,38	SCR222
12,70	9,73	14,10	19,00	1,5	0,30	SCR313
13,70	10,00	15,30	22,00	1,5	0,40	SCR225
13,74	11,18	15,21	20,57	2,0	0,20	SCR021
14,70	11,38	16,40	22,00	1,5	0,40	SCR227
16,51	12,90	18,75	25,40	2,0	0,20	SCR011
16,70	13,41	18,40	24,00	1,5	0,40	SCR229
17,28	14,76	18,75	23,80	2,0	0,20	SCR023
18,16	14,50	19,69	25,40	2,5	0,25	SCR012
18,70	14,76	20,40	26,00	1,5	0,40	SCR232
20,70	16,76	22,50	28,00	1,5	0,40	SCR233
21,54	18,24	23,01	28,58	2,5	0,25	SCR025
22,70	18,74	24,40	30,00	2,0	0,40	SCR236
23,49	20,27	24,97	31,75	2,5	0,25	SCR026
24,70	20,11	26,40	32,00	2,0	0,40	SCR238
26,70	22,80	28,40	35,00	2,0	0,40	SCR239
27,05	23,83	28,53	34,93	2,5	0,25	SCR027
27,70	23,30	29,40	36,00	2,0	0,40	SCR328
30,81	27,51	32,29	38,10	2,5	0,25	SCR029
33,89	29,92	36,88	42,80	3,2	0,25	SCR030
36,70	31,80	38,80	46,00	2,0	0,40	SCR245
42,93	38,45	45,93	52,38	3,2	0,25	SCR032
48,44	44,45	51,39	58,60	3,2	0,25	SCR033
54,89	50,42	58,30	69,85	3,2	0,25	SCR034

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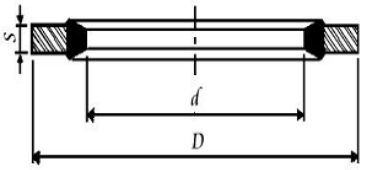
d	C	d1	D	S	P	article
60,58	56,26	63,63	73,03	3,2	0,25	SCR036
66,68	62,36	69,98	79,50	3,2	0,25	SCR038
76,08	71,50	79,38	90,17	3,2	0,25	SCR039
89,09	84,50	92,10	101,35	3,25	0,35	SCR254

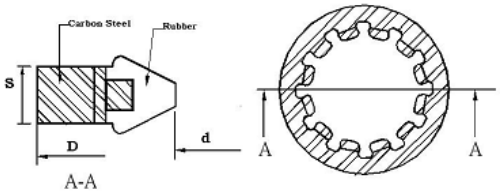
Bonded Seal Typ GM1000



ID (d)	AD (D)	H (s)	article
4	8	1.0	GM 4
5	9	1.0	GM 5
6	10	1.0	GM 6
7	11	1.0	GM 7
8	13	1.0	GM7,5
8	14	1.0	GM 8
10	17	1.5	GM 10
10	18	1.5	GM 11
12	19	1.5	GM 12
14	22	1.5	GM 14
16	24	1.5	GM 16
18	27	1.5	GM 18
18	26.5	2.0	GM 18

ID (d)	AD (D)	H (s)	article
20	30	2.0	GM 20
22	32	2.0	GM 22
26	35	2.0	GM 23
24	36	2.0	GM 24
27	41	2.0	GM 27
30	46	2.0	GM 30
33	50	2.5	GM 33
36	55	2.5	GM 36
39	60	2.5	GM 39
42	65	2.5	GM 42
45	70	3.0	GM 45
48	75	3.0	GM 48
52	80	3.0	GM 52

Bonded Seal Typ GMS Sealing Washer



ID (d)	AD (D)	H (s)	article
6.0	15.3	1.2	GMS4059
7.6	15.3	1.3	GMS4057
8.2	16.0	1.3	GMS4067
9.3	16.8	1.3	GMS4056
10.0	18.5	1.0	GMS4058
11.2	19.1	1.3	GMS4068
16.0	33.4	3.1	GMS4065

ID (d)	AD (D)	H (s)	article
15.3	28.00	1,30	GMS4062
15.4	23.60	1,30	GMS4066
15.5	30.00	3,00	GMS4060
15.5	30.12	5,53	GMS4063
15.7	30.40	3,66	GMS4064
17.1	25.40	1,30	GMS4069
17.4	31.50	1,30	GMS4061

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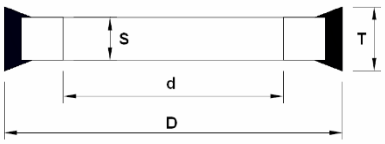
Bonded Seal Typ UA Sealing Washer

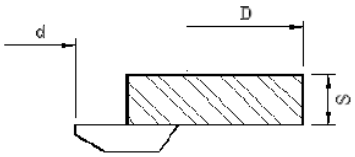


ID (d)	AD (D)	H (s)	article
10.0	16.0	1.5	UA6005
10.2	16.0	1.5	UA6004
13.3	21.5	1.5	UA6001
16.0	22.0	1.5	UA6007

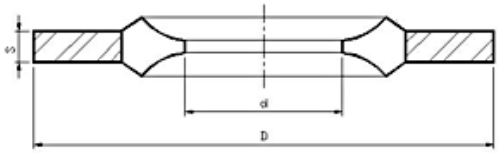
ID (d)	AD (D)	H (s)	article
5.2	8.7	1.0	UA6006
6.2	10.0	1.0	UA6002
8.2	13.0	1.0	UA6003

Bonded Seal – Other/Special Design

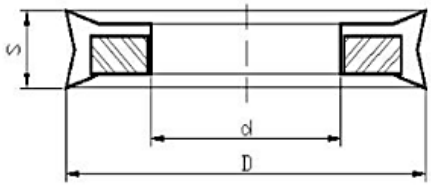
ID (d)	AD (D)	H (s)	article
20.00	33.22	1.50	BS9005



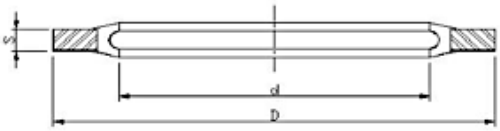
ID (d)	AD (D)	H (s)	article
5.40	14.90	1.00	BS9007
5.10	14.90	1.00	BS9008
11.50	22.00	1.50	BS9004



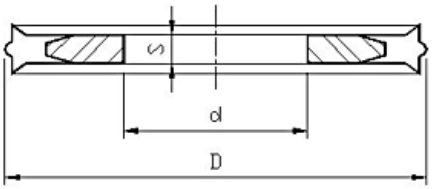
ID (d)	AD (D)	H (s)	article
5.80	11.00	1.00	BS9003



ID (d)	AD (D)	H (s)	article
7.60	13.50	1.20	BS9002
15.80	22.50	2.00	BS9001



ID (d)	AD (D)	H (s)	article
6.50	14.90	1.00	BS9011



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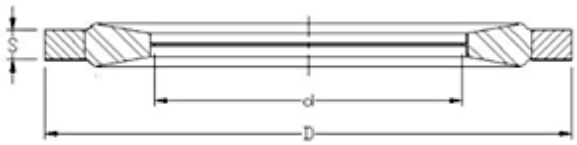
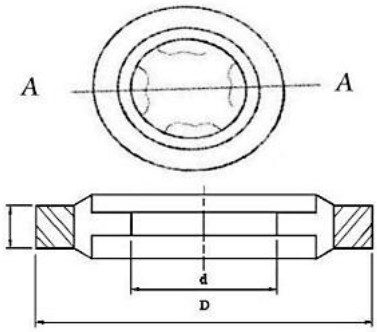
Bonded Seal – Other/Special Design

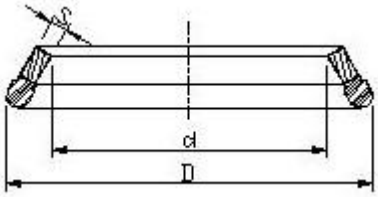
ID (d)	AD (D)	H (s)	article
16.33	27.99	1.60	BS9014



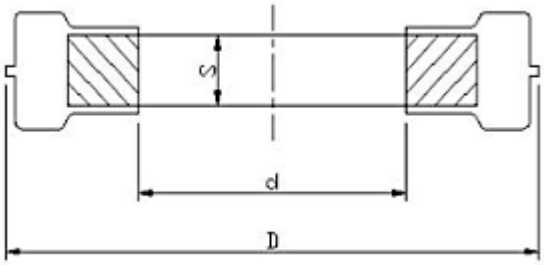
ID (d)	AD (D)	H (s)	article
7.40	17.08	2.80	BS9013



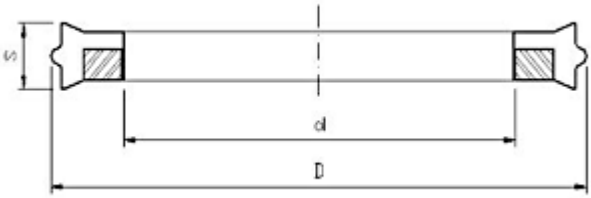
ID (d)	AD (D)	H (s)	article
19.55	26.00	4.49	BS9016



ID (d)	AD (D)	H (s)	article
3.93	5.84	0.91	BS9015



ID (d)	AD (D)	H (s)	article
22.00	30.20	3.10	BS9009



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