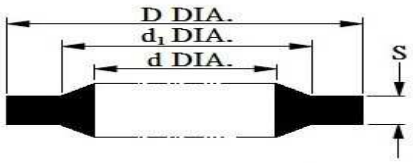
< INTRODUCE BONDED SEALS >

ORIGINAL TYPE：



The bonded seal was originally designed to replace copper type washers in higher pressure systems. Simple in construction the gasket comprises a metal annulus, square or rectangular in section, to which an elastomer ring of trapezoidal section is bonded. The metal ring resists the bursting forces and limits the deformation of the elastomer element.

The key benefits：

●Reliable high and low pressure sealing.

●Wide temperature capability.

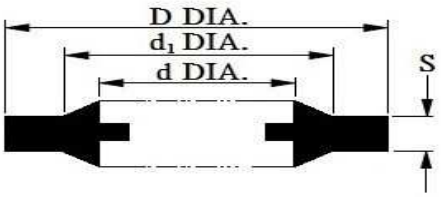
●Metal ring prevents over-compression and extrusion.

●Large range of elastomers and metal.

●Full traceability through packing for all items.

●All European thread sizes available.

SELF-CENTRING TYPE：



Developed to eliminate the occurrence of leakage due to seal offset, the self-centring type of bonded seal has the additional benefit of pre-assembling on to threads with the consequent production line savings. The thin seal membrane offers little resistance during assembly.

The key benefits：

●All key benefits from the original bonded seal.

●Concentrically located.

●Positively retained.

●Ease of assembly.

●Ability to pre-assemble.

●Optimised component stocking.

●Simplified location machining.

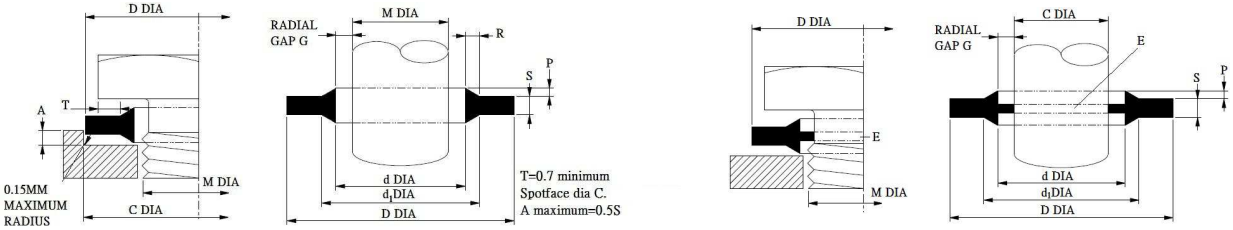
< MATERIAL SPECIFICATION >

Rubber：NBR、FKM、NEOPRENE、HNBR、EPDM …etc.

Metal：AISI 1008/1010、AISI 1070、SUS 304、SUS 316 …etc.

◎Best Ring can supply bonded seals *CUSTOMIZATION*, and according to your sample or drawing to develop and produce.

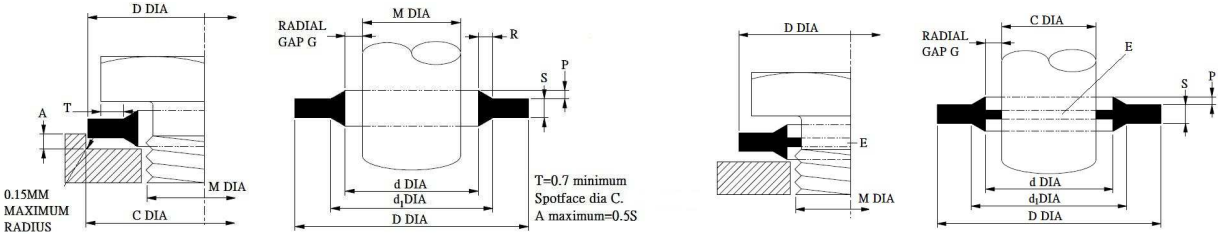
< ORIGINAL RANGE - BRITISH IMPERIAL >



◎BEST RING CAN SUPPLY "ORIGINAL TYPE & SELF-CENTRING TYPE" BONDED SEAL FROM THESE SIZES.

THREAD M	SIZE REF.		D	d	d1	S	R
BSP	***	†					
	001	1	6.35	3.05	4.09/4.16	1.2	0.54
	002	2	7.26	4.12	5.26		0.57
	003	3	8.38	5.21	6.35		0.57
	004	4	13.21	6.86	8		0.57
	005	5	13.34	6.99	9.53		1.27
	006	6	13.34	8.31	9.53		0.56
	007	7	14.22	8.64	10.04		0.7
1/8	020	A	15.88	10.37	11.84	2	0.73
	008	8	18.36	11.26	12.45		0.6
	009	9	19.05	11.69	13.08		0.7
1/4	021	B	20.57	13.74	15.21		0.73
	010	10	22.23	14.86	16.39		0.76
	022	BB	22.23	15.83	17.3		0.73
	011	11	25.4	16.51	18.75		1.12
3/8	023	C	23.8	17.28	18.75		0.73
	012	12	25.4	18.16	19.69	2.5	0.76
	024	CC	26.92	19.69	21.21		0.76
1/2	025	D	28.58	21.54	23.01		0.73
5/8	026	E	31.75	23.49	24.97		0.74
	013	13	33.27	24.26	26.04		0.89
3/4	027	F	34.93	27.05	28.53		0.74
	028	FF	38.61	27.82	30.61		1.4
	014	14	36.58	29.33	30.86		0.76
7/8	029	G	38.1	30.81	32.29		0.74
	015	15	41.4	32.64	35.69	3.2	1.52
1	030	H	42.8	33.89	36.88		1.5
1	031	HH	42.8	33.89	36.88	2.5	1.5
	016	16	44.45	35.94	38.99	3.2	1.52
	017	17	47.75	38.96	42.04		1.54
1-1/4	032	J	52.38	42.93	45.93		1.5
	018	18	57.15	45.34	48.39		1.52
1-1/2	033	J	58.6	48.44	51.39		1.47
	019	19	63.5	51.69	54.74		1.52
1-3/4	034	L	69.85	54.89	58.3		1.7
	035	LL	70.36	58.04	61.09		1.52
2	036	M	73.03	60.58	63.63		1.52
	037	MM	77.72	64.39	67.44		1.52
2-1/4	038	N	79.5	66.68	69.98		1.65
2-1/2	039	P	90.3	76.08	79.38		1.65

< GERMAN METRIC RANGE >

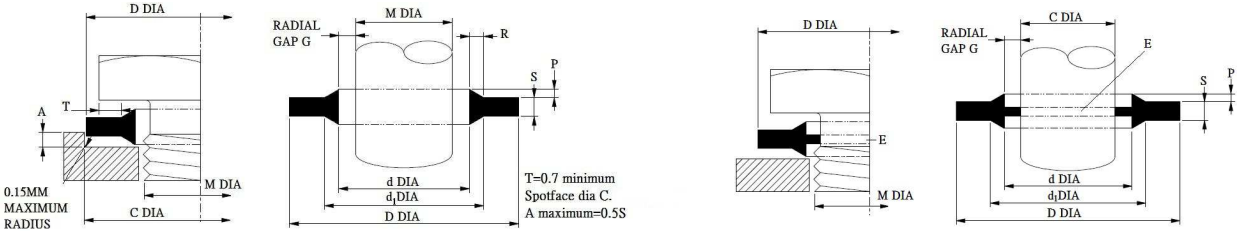


◎BEST RING CAN SUPPLY "ORIGINAL TYPE & SELF-CENTRING TYPE" BONDED SEAL FROM THESE SIZES.

THREAD DIA. M	SIZE REFERENCE	D	d	d_1	S	R
3.5	201	7.2	4.1	5.2		0.55
4	202	7	4.5	5.4		0.45
5	203	9	5.7	6.8		0.65
5	204	10	5.7	7.4	1	0.85
5.5	205	9.2	6.2	7.2		0.5
6	206	10	6.7	8		0.65
6	207	11	6.7	8.2		0.75
6	208	11	6.7	8.2	2.5	0.75
6.5	209	12	7.1	8.8		0.85
6.7	210	10.2	7.3	8.6		0.65
8	211	13.4	8.5	9.4		0.45
8	212	13	8.7	10	1	0.65
8	213	14	8.7	10.4		0.85
8	214	16	8.7	10.4		0.85
8.5	215	13.3	9.3	10.5		0.6
10	216	16	10.35	12	2	0.82
10	217	16	10.7	12.4		0.85
10	218	18	10.7	12.4		0.85
11	219	16.3	11.4	12.7		0.65
11	220	18.5	11.8	13.7		0.95
11	221	19.1	11.8	13.5		0.85
12	222	18	12.7	14.4		0.85
12	223	20	12.7	14.4		0.85
13	224	20	13.7	15.4		0.85
13	225	22	13.7	15.4	1.5	0.85
13.5	226	18.7	14	15.7		0.85
14	227	22	14.7	16.4		0.85
15	228	22.7	16	17.78		0.89
16	229	24	16.7	18.4		0.85
17	230	24	17.4	19.2		0.9
17.5	231	24.7	18	20.1		1.05
18	232	26	18.7	20.4		0.85
20	233	28	20.7	22.5		0.9
21	234	28.7	21.5	23.3	2.5	0.9
22	235	28	22.5	24.2	1.5	
22	236	30	22.7	24.4	2	0.85
22	237	30	22.7	24.4	3	0.85
24	238	32	24.7	26.4		0.85
26	239	35	26.7	28.4		0.85
27	240	36	27.2	29	2	0.9
28	241	37	28.7	30.4		0.85
30	242	39	31	33		1
33	243	42	33.7	35.8		1.05

33	244	43	34.3	36.4		1.05
36	245	46	36.7	38.8		1.05
39	246	51	40	41.9	2.5	0.95
42	247	53	42.7	44.4		0.85
48	248	59	48.7	50.8		1.05
51	249	60	52	54.1	3	
52	250	64.5	53.3	56.4		
60	251	73	60.7	63		1.15

< FRENCH METRIC RANGE >



◎BEST RING CAN SUPPLY "ORIGINAL TYPE & SELF-CENTRING TYPE" BONDED SEAL FROM THESE SIZES.

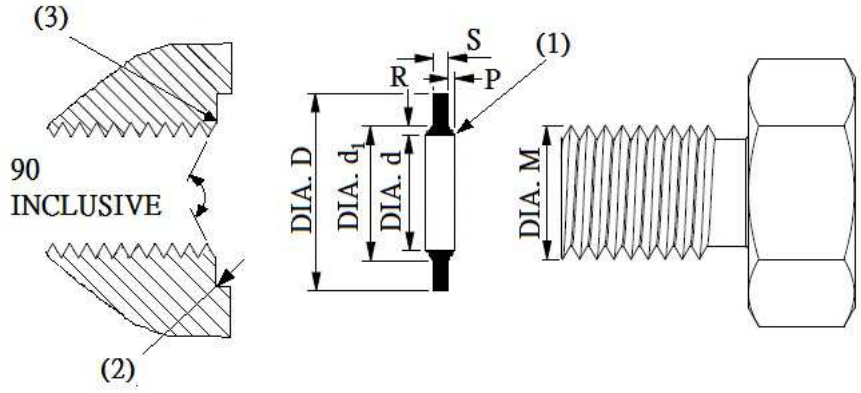
THREAD DIA. M	SIZE REFERENCE	D	d	d_1	S	R
3	301	7.5	3.6	5		0.7
4	302	9	4.6	6	1	0.7
5	303	10	5.6	7		0.7
6	304	11	6.6	8		0.7
6	305	13.27	6.85	8	1.2	0.57
6	306	11.4	7	8.4	1	0.7
8	307	13	8.6	10		0.7
10	310	17	10.7	12.1		0.7
11	312	18.1	11.8	13.2		0.65
12	313	19	12.7	14.1	1.5	0.7
13	315	20.1	13.8	15.2		0.7
14	316	21	14.7	16.1		0.7
16	317	23	16.7	18.1		0.7
16.5	319	23.9	17.2	18.7	2	0.75
17	318	23.7	17.4	18.8	1.5	0.7
18	320	27	18.7	20.4	2	0.85
20	321	29	20.7	22.4		0.85
20.63	322	28.6	21.5	23	2.5	0.75
21	323	30	21.7	23.4		0.85
22	324	31	22.7	24.4		0.85
23	325	32	23.7	25.4		0.85
24	326	33	24.7	26.4		0.85
26	327	35.3	27	28.7	2	0.85
27	328	36	27.7	29.4		0.85
28	329	36	28.6	30.3		0.85
28.5	330	37.5	29.2	30.9		0.85
30	331	39	30.7	32.4		0.85
33	332	42	33.7	35.4		0.85
36	333	48	37	39.6		1.3
39	334	51	40	42.6		1.3
42	335	54	43	45.6	2.5	1.3
45	336	57	46	48.6		1.3
48	337	60	49	51.6		1.3

< BONDED SEALS TO SUIT PIPE CONNECTIONS AND COUPLINGS >

AS RECOMMENDED IN ISO1179-1973

(FORMERLY A CETOP RECOMMENDATION)

INSTALLATION DATA :



(1) Irregular, adhering flash permissible 0.38mm(0.015") wide maximum.

(2) 0.13mm(0.005") maximum radius. The joint surface is to be flat and square to the axis of the thread.

(3) Concentricity tolerance 0.25mm(0.010") diameter maximum datum thread diameter.

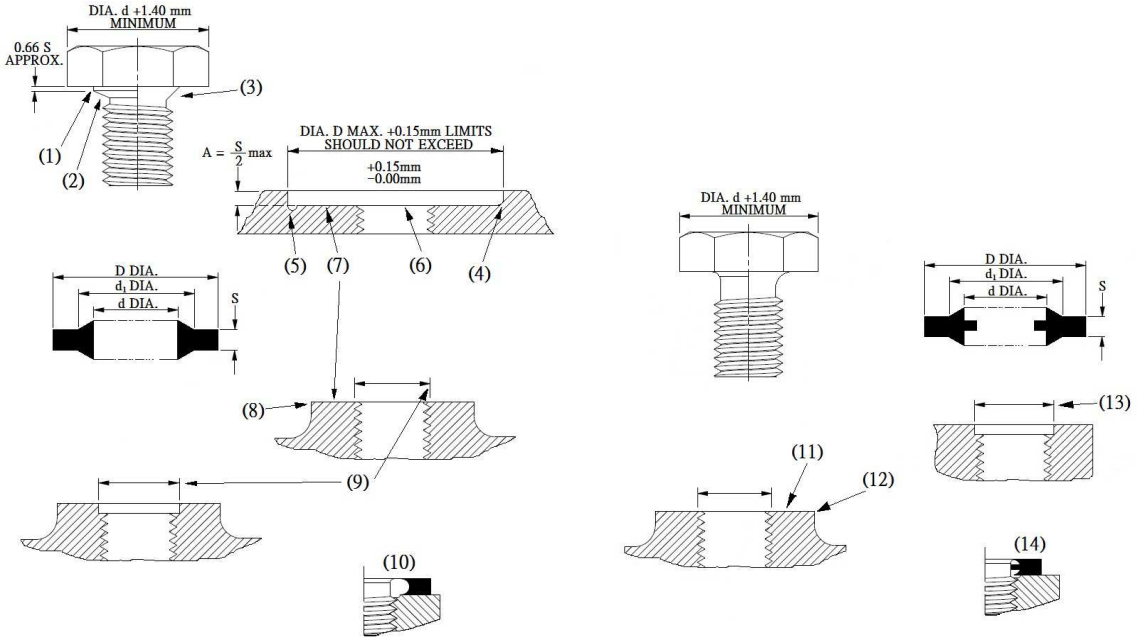
(4) The diameter of chamfer or counterbore for removal of first thread must be concentric with and not exceed the thread diameter.

< Series C >

◎BEST RING CAN SUPPLY "ORIGINAL TYPE & SELF-CENTRING TYPE" BONDED SEAL FROM THESE SIZES.

THREAD DIA. M BSP	SIZE REFERENCE	D	d	d_1	S	R
1/16	519	12.7	8.3	9.9	1.25	1.4
1/8	510	14.7	10.4	12		1.35
1/4	511	18.7	13.85	15.75		1.47
3/8	512	22.7	17.35	19.25		1.82
1/2	513	26.7	21.65	23.55		1.57
3/4	514	32.5	27.3	29.2		1.65
1	515	39.5	34.2	36.1	2	1.7
1-1/4	516	49.5	42.8	44.7		2.4
1-1/2	517	55.5	48.7	50.6		2.45
2	518	68.5	60.5	62.4		3.05

BONDED SEALS - INSTALLATION DATA



(1) This diameter equals basic major thread diameter.

(2) Plain shoulder and any form of undercut.

(3) Taper neck undercut to BS. 1936 or similar standard. A parallel or semi-circular form width not
exceeding S is also acceptable.

(4) 0.15mm max radius.

(5) Alternative if larger corner radius is required.

(6) Recess eliminating the need for special undercut or shoulder in mating part.

(7) Face to be normal to thread within 0.08mm/25mm run.

(8) Boss diameter to be equal to or greater than D dia.

(9) The diameter of a chamfer or counterbore for removal of first thread should be concentric with and not exceed the thread diameter.

(10) Diagram typical of the assembly as it should appear at any radial section i.e. ring centralized and rubber in full contact with flat faces.

(11) Face to be normal to thread within 0.08mm/25mm run.

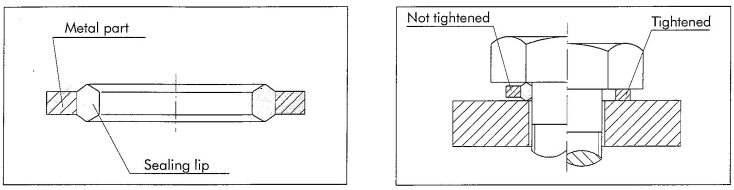
(12) Boss diameter to be equal to or greater than D dia.

(13) The diameter of a chamfer or counterbore for removal of first thread should be concentric with and not exceed the thread diameter.

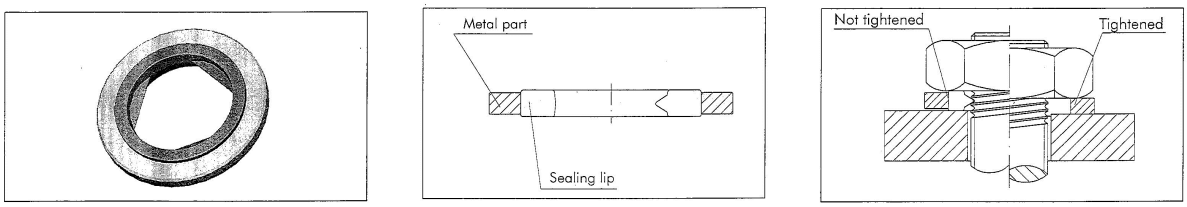
(14) Diagram typical of the assembly as it should appear at any radial section i.e. ring centralized and rubber in full contact with flat faces.

< OTHER TYPE BONDED SEALS >

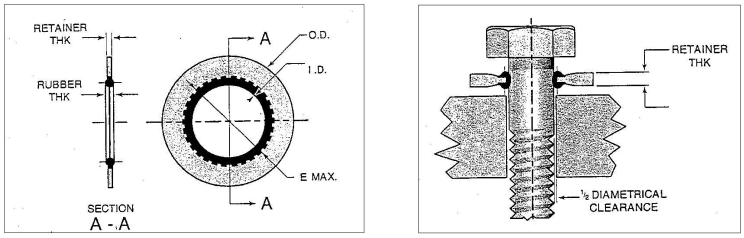
1. GM1000



2. GM2000



3. 600 series



◎Best Ring can produce bonded seals ***CUSTOMIZATION***, and according to your sample or drawing to develop and produce.

If you have any demands, please contact with us !