



## 'Oilube<sup>®</sup> Sintered Metric Plain Bearings

Reference	Bore	Outside Diameter	Lengths (L)
2/4 x L	2	4	4
2/5 X L	2	5	2-3-4-5
3/5 x L	3	5	3-4-6
3/6 x L	3	6	3-4
3/8 x L	3	8	4
4/7 x L	4	7	3-4-6
4/8 x L	4	8	3-4-6-8-12
4/10 x L	4	10	8
5/8 x L	5	8	4-5-8-10-12-16
5/9 x L	5	9	4-5-8
5/10 x L	5	10	6-8-10
5/12 x L	5	12	10
6/9 x L	6	9	4-6-10-12-16
6/10 x L	6	10	4-6-10-12-16
6/12 x L	6	12	6-8-12
6/14 x L	6	14	12
7/10 x L	7	10	5-8-10
7/11 x L	7	11	8-10
8/11 x L	8	11	6-8-12
8/12 x L	8	12	6-8-12-16-20
8/14 x L	8	14	8-12-16-20
8/18 x L	8	18	16
9/12 x L	9	12	6-10-14
9/14 x L	9	14	6-10-14
10/13 x L	10	13	10-16
10/14 x L	10	14	8-10-16-20-25
10/15 x L	10	15	10-16-20-25
10/16 x L	10	16	8-10-16-20-25
10/22 x L	10	22	20
12/15 x L	12	15	12-16-20-25
12/16 x L	12	16	8-12-16-20-25
12/18 x L	12	18	8-12-16-20-25
12/25 x L	12	25	25
14/18 x L	14	18	10-14-20
14/20 x L	14	20	10-12-14-20-30
14/28 x L	14	28	30
15/19 x L	15	19	10-15-20-25-30
15/20 x L	15	20	10-15-20-25-30
15/21 x L	15	21	10-15-20-25
15/22 x L	15	22	16-20-30
15/30 x L	15	30	30
16/20 x L	16	20	12-16-20-25-30
16/22 x L	16	22	12-16-20-25-30
16/32 x L	16	32	30
18/22 x L	18	22	12-18-30
18/24 x L	18	24	12-18-30
18/25 x L	18	25	16-20-22-30
18/35 x L	18	35	30
20/24 x L	20	24	16-20-25-32
20/25 x L	20	25	15-20-25-30
20/26 x L	20	26	15-20-25-30
20/28 x L	20	28	20-25-30-40-50
20/40 x L	20	40	40
22/27 x L	22	27	15-20-25
22/28 x L	22	28	15-20-25-28-30
22/32 x L	22	32	20-30-50

Reference	Bore	Outside Diameter	Lengths (L)
25/30 x L	25	30	20-25-30-50
25/32 x L	25	32	20-25-30-35-40
25/35 x L	25	35	25-35-50
25/45 x L	25	45	35
28/33 x L	28	33	20-30
28/36 x L	28	36	20-25-30-40
30/35 x L	30	35	20-25-30
30/38 x L	30	38	20-25-30-40
30/40 x L	30	40	25-30-35-45-50-60
30/50 x L	30	50	60
32/38 x L	32	38	20-25-30
32/40 x L	32	40	20-25-30-40-50
35/41 x L	35	41	25-35-40
35/44 x L	35	44	22-28-35
35/45 x L	35	45	25-35-40-50-70
36/42 x L	36	42	22-28-36-45
36/45 x L	36	45	22-28-36-45
38/44 x L	38	44	25-35-45
38/48 x L	38	48	25-35-45-55
40/46 x L	40	46	30-40-50
40/50 x L	40	50	25-30-32-35-40-50-60-80
42/48 x L	42	48	40-50
42/52 x L	42	52	40-50
45/51 x L	45	51	35-45-55
45/55 x L	45	55	35-45-55-60-65-75
45/56 x L	45	56	28-36-45-56
45/65 x L	45	65	80
48/55 x L	48	55	50
48/58 x L	48	58	50
50/58 x L	50	58	35-50
50/60 x L	50	60	30-35-40-50-63-70-75-100
50/70 x L	50	70	70
55/63 x L	55	63	40-55
55/65 x L	55	65	40-55-70
55/70 x L	55	70	70
60/68 x L	60	68	50-60-70
60/70 x L	60	70	50-60
60/72 x L	60	72	50-60-70
60/75 x L	60	75	60-90
60/85 x L	60	85	90
63/70 x L	63	70	40-50
65/75 x L	65	75	60-90
65/80 x L	65	80	60-90
70/80 x L	70	80	60-90
70/85 x L	70	85	60-90
75/85 x L	75	85	70-100
75/90 x L	75	90	70-100
75/100 x L	75	100	100
80/90 x L	80	90	70-100
80/95 x L	80	95	70-100
80/105 x L	80	105	100
85/95 x L	85	95	100
85/100 x L	85	100	100
90/105 x L	90	105	80
90/110 x L	90	110	80
100/120 x L	100	120	80

Non-standard lengths can be supplied. If the size you require is not listed please contact our sales dept. We also offer a specialised machining service for low volume non-standard sizes and tolerances. *Bowman International Limited reserve the right to change specifications without prior notice E & OE*



## 'Oilube®' Sintered Metric Flanged Bearings

Reference	Bore	O/D	Lengths (L)	Flange Size (Outside Diameter x Width)
2/5 x L - 8 x 1.5	2	5	3	8 x 1.5
3/5 x L - 8 x 1.5	3	5	4	8 x 1.5
3/6 x L - 9 x 1.5	3	6	4	9 x 1.5
4/8 x L - 10 x 1.5	4	8	6	10 x 1.5
4/8 x L - 12 x 2	4	8	4-6-8-12	12 x 2
5/9 x L - 13 x 2	5	9	4-5-8	13 x 2
5/10 x L - 12 x 2	5	10	6	12 x 2
6/10 x L - 14 x 2	6	10	4-6-10	14 x 2
6/12 x L - 14 x 2	6	12	6	14 x 2
7/10 x L - 14 x 2	7	10	5-8-10	14 x 2
7/11 x L - 15 x 2	7	11	8	15 x 2
7/12 x L - 15 x 2	7	12	5-8-10	15 x 2
8/12 x L - 16 x 2	8	12	6-8-12-16	16 x 2
8/14 x L - 18 x 3	8	14	8	18 x 3
9/14 x L - 19 x 2.5	9	14	6-10-14	19 x 2.5
10/13 x L - 17 x 2.5	10	13	8-10-16-20	17 x 2.5
10/15 x L - 21 x 3	10	15	10-16-20	21 x 3
10/16 x L - 20 x 3	10	16	8-10	20 x 3
10/16 x L - 22 x 3	10	16	8-10-16	22 x 3
12/15 x L - 21 x 3	12	15	12-16-20	21 x 3
12/17 x L - 23 x 3	12	17	12-16-20-25	23 x 3
12/18 x L - 22 x 3	12	18	10-12	22 x 3
12/18 x L - 24 x 3	12	18	8-12-20	24 x 3
14/20 x L - 25 x 3	14	20	10-12	25 x 3
14/20 x L - 26 x 3	14	20	10-14-20	26 x 3
15/19 x L - 25 x 3	15	19	16-20-25	25 x 3
15/21 x L - 27 x 3	15	21	10-15-20-25	27 x 3
15/22 x L - 28 x 3	15	22	12-16	28 x 3
16/20 x L - 27 x 3	16	20	16-20-25	27 x 3
16/22 x L - 28 x 3	16	22	12-16-20-25	28 x 3
16/22 x L - 28 x 4	16	22	12-16	28 x 4
18/24 x L - 30 x 3	18	24	12-18-22-30	30 x 3

Reference	Bore	O/D	Lengths (L)	Flange Size (Outside Diameter x Width)
18/25 x L - 32 x 4	18	25	12-16	32 x 4
20/24 x L - 30 x 3	20	24	16-20-25	30 x 3
20/26 x L - 32 x 3	20	26	15-20-25-30	32 x 3
20/28 x L - 35 x 4	20	28	16-20	35 x 4
22/28 x L - 34 x 3	22	28	15-20-25-30	34 x 3
25/30 x L - 39 x 3.5	25	30	20-25-32	39 x 3.5
25/32 x L - 39 x 3.5	25	32	20-25-30	39 x 3.5
25/35 x L - 45 x 5	25	35	16-25	45 x 5
28/32 x L - 40 x 4	28	32	20-25-30	40 x 4
28/35 x L - 42 x 4	28	35	20-25-30	42 x 4
28/36 x L - 44 x 4	28	36	20-25-30	44 x 4
30/38 x L - 46 x 4	30	38	20-25-30	46 x 4
30/40 x L - 50 x 5	30	40	20-30	50 x 5
32/38 x L - 46 x 4	32	38	20-25-32	46 x 4
32/40 x L - 48 x 4	32	40	20-25-30	48 x 4
35/45 x L - 55 x 5	35	45	20-25-35-40	55 x 5
38/48 x L - 58 x 5	38	48	25-35-45	58 x 5
40/46 x L - 56 x 5	40	46	25-32-40	56 x 5
40/50 x L - 60 x 5	40	50	25-30-40-50	60 x 5
40/50 x L - 60 x 6	40	50	25-40	60 x 6
42/52 x L - 62 x 5	42	52	30-40-50	62 x 5
45/55 x L - 65 x 5	45	55	35-45-55	65 x 5
45/55 x L - 65 x 6	45	55	30-45	65 x 6
50/60 x L - 70 x 5	50	60	32-35-40-50	70 x 5
50/60 x L - 70 x 6	50	60	30-50	70 x 6
60/72 x L - 84 x 6	60	72	50-60	84 x 6
60/75 x L - 85 x 8	60	75	35-60	85 x 8
70/85 x L - 95 x 8	70	85	60	95 x 8
80/95 x L - 105 x 8	80	95	70	105 x 8
90/110 x L - 120 x 8	90	110	50	120 x 8
100/120 x L - 130 x 8	100	120	80	130 x 8

Non-standard lengths can be supplied. If the size you require is not listed please contact our sales dept. We also offer a specialised machining service for low volume non-standard sizes and tolerances.

*Bowman International Limited reserve the right to change specifications without prior notice E & OE*



## 'Oilube'<sup>®</sup> Sintered Imperial Plain Bearings

Reference	Bore	Outside Diameter	Lengths (L)
$\frac{3}{16} \times \frac{5}{16} \times L$	$\frac{3}{16}$	$\frac{5}{16}$	$\frac{1}{4} - \frac{3}{8} - \frac{1}{2} - \frac{5}{8} - \frac{3}{4} - 1$
$\frac{1}{4} \times \frac{3}{8} \times L$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{4} - \frac{3}{8} - \frac{1}{2} - \frac{5}{8} - \frac{3}{4}$
$\frac{1}{4} \times \frac{7}{16} \times L$	$\frac{1}{4}$	$\frac{7}{16}$	$\frac{1}{4} - \frac{3}{8} - \frac{1}{2} - \frac{5}{8} - \frac{3}{4}$
$\frac{1}{4} \times \frac{1}{2} \times L$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8} - \frac{1}{2} - \frac{3}{4}$
$\frac{5}{16} \times \frac{7}{16} \times L$	$\frac{5}{16}$	$\frac{7}{16}$	$\frac{5}{16} - \frac{3}{8} - \frac{1}{2} - \frac{9}{16} - \frac{5}{8} - \frac{3}{4} - 1$
$\frac{5}{16} \times \frac{1}{2} \times L$	$\frac{5}{16}$	$\frac{1}{2}$	$\frac{1}{4} - \frac{3}{8} - \frac{1}{2} - \frac{5}{8} - \frac{3}{4}$
$\frac{3}{8} \times \frac{1}{2} \times L$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8} - \frac{1}{2} - \frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{1}{4}$
$\frac{3}{8} \times \frac{5}{8} \times L$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{8} - \frac{1}{2} - \frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1$
$\frac{7}{16} \times \frac{9}{16} \times L$	$\frac{7}{16}$	$\frac{9}{16}$	$\frac{3}{8} - \frac{1}{2} - \frac{5}{8} - \frac{3}{4} - 1$
$\frac{7}{16} \times 1\frac{1}{16} \times L$	$\frac{7}{16}$	$1\frac{1}{16}$	$\frac{1}{2} - 1\frac{1}{4}$
$\frac{1}{2} \times \frac{5}{8} \times L$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{8} - \frac{1}{2} - \frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{1}{4} - 1\frac{1}{2}$
$\frac{1}{2} \times 1\frac{1}{16} \times L$	$\frac{1}{2}$	$1\frac{1}{16}$	$\frac{1}{2} - \frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{4}$
$\frac{1}{2} \times \frac{3}{4} \times L$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2} - \frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{1}{4} - 1\frac{1}{2} - 2$
$\frac{9}{16} \times 1\frac{1}{16} \times L$	$\frac{9}{16}$	$1\frac{1}{16}$	$\frac{1}{2} - \frac{5}{8} - \frac{3}{4} - 1 - 1\frac{1}{4}$
$\frac{9}{16} \times \frac{3}{4} \times L$	$\frac{9}{16}$	$\frac{3}{4}$	1
$\frac{5}{8} \times \frac{3}{4} \times L$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{1}{2} - \frac{9}{16} - \frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{4}$
$\frac{5}{8} \times 1\frac{3}{16} \times L$	$\frac{5}{8}$	$1\frac{3}{16}$	$\frac{3}{4} - 1 - 1\frac{1}{4} - 1\frac{3}{8}$
$\frac{5}{8} \times \frac{7}{8} \times L$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{1}{2} - \frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{1}{4}$
$1\frac{1}{16} \times 1\frac{15}{16} \times L$	$1\frac{1}{16}$	$1\frac{15}{16}$	$\frac{7}{8} - 1 - 1\frac{1}{4}$
$\frac{3}{4} \times \frac{7}{8} \times L$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{2} - \frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{1}{4}$
$\frac{3}{4} \times 1\frac{15}{16} \times L$	$\frac{3}{4}$	$1\frac{15}{16}$	$\frac{3}{4} - 1$
$\frac{3}{4} \times 1 \times L$	$\frac{3}{4}$	1	$\frac{5}{8} - \frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4} - 2$
$\frac{3}{4} \times 1\frac{1}{8} \times L$	$\frac{3}{4}$	$1\frac{1}{8}$	$\frac{3}{4} - 1 - 1\frac{1}{4}$
$\frac{3}{4} \times 1\frac{1}{4} \times L$	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{1}{8} - 1\frac{3}{8} - 1\frac{1}{2} - 2$
$\frac{7}{8} \times 1 \times L$	$\frac{7}{8}$	1	$\frac{3}{4} - 1 - 1\frac{1}{8} - 1\frac{1}{4} - 1\frac{1}{2}$
$\frac{7}{8} \times 1\frac{1}{8} \times L$	$\frac{7}{8}$	$1\frac{1}{8}$	$\frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{1}{4} - 1\frac{1}{2}$
$1 \times 1\frac{1}{8} \times L$	1	$1\frac{1}{8}$	$\frac{3}{4} - 1 - 1\frac{1}{4} - 1\frac{1}{2}$
$1 \times 1\frac{1}{4} \times L$	1	$1\frac{1}{4}$	$\frac{3}{4} - \frac{7}{8} - 1 - 1\frac{1}{8} - 1\frac{1}{4} - 1\frac{3}{8} - 1\frac{1}{2} - 1\frac{5}{8} - 1\frac{3}{4} - 2$
$1 \times 1\frac{1}{2} \times L$	1	$1\frac{1}{2}$	$1 - 1\frac{3}{8} - 1\frac{1}{2} - 1\frac{3}{4} - 2$
$1\frac{1}{8} \times 1\frac{1}{8} \times L$	$1\frac{1}{8}$	$1\frac{1}{8}$	$\frac{3}{4} - 1 - 1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4} - 2$
$1\frac{1}{4} \times 1\frac{1}{2} \times L$	$1\frac{1}{4}$	$1\frac{1}{2}$	$\frac{7}{8} - 1 - 1\frac{1}{4} - 1\frac{3}{8} - 1\frac{1}{2} - 1\frac{3}{4} - 1\frac{7}{8} - 2$
$1\frac{1}{4} \times 1\frac{1}{8} \times L$	$1\frac{1}{4}$	$1\frac{1}{8}$	$1 - 1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4} - 2 - 2\frac{1}{2}$
$1\frac{3}{8} \times 1\frac{1}{8} \times L$	$1\frac{3}{8}$	$1\frac{1}{8}$	$1 - 1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4} - 2$
$1\frac{3}{8} \times 1\frac{3}{4} \times L$	$1\frac{3}{8}$	$1\frac{3}{4}$	$1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4} - 2 - 2\frac{1}{4}$
$1\frac{1}{2} \times 1\frac{3}{4} \times L$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4} - 2 - 2\frac{1}{4}$
$1\frac{1}{2} \times 1\frac{1}{8} \times L$	$1\frac{1}{2}$	$1\frac{1}{8}$	$1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4} - 2 - 2\frac{1}{4}$
$1\frac{1}{2} \times 2 \times L$	$1\frac{1}{2}$	2	$1\frac{1}{2} - 2 - 2\frac{1}{2} - 3$
$1\frac{5}{8} \times 2\frac{1}{16} \times L$	$1\frac{5}{8}$	$2\frac{1}{16}$	$1\frac{7}{8} - 2 - 2\frac{1}{2}$
$1\frac{3}{4} \times 2 \times L$	$1\frac{3}{4}$	2	$1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4} - 2 - 2\frac{1}{4}$
$1\frac{3}{4} \times 2\frac{1}{4} \times L$	$1\frac{3}{4}$	$2\frac{1}{4}$	$1\frac{1}{2} - 1\frac{3}{4} - 2 - 2\frac{1}{4}$
$2 \times 2\frac{1}{4} \times L$	2	$2\frac{1}{4}$	$1\frac{1}{2} - 1\frac{3}{4} - 2 - 2\frac{1}{2}$
$2 \times 2\frac{3}{8} \times L$	2	$2\frac{3}{8}$	$1\frac{1}{2} - 2\frac{1}{2} - 3$
$2 \times 2\frac{1}{2} \times L$	2	$2\frac{1}{2}$	$1\frac{1}{2} - 1\frac{3}{4} - 2 - 2\frac{1}{4} - 2\frac{1}{2} - 3$
$2\frac{1}{4} \times 2\frac{5}{8} \times L$	$2\frac{1}{4}$	$2\frac{5}{8}$	$2\frac{1}{2} - 3$
$2\frac{1}{4} \times 2\frac{3}{4} \times L$	$2\frac{1}{4}$	$2\frac{3}{4}$	$1\frac{1}{2} - 2 - 2\frac{1}{2} - 3$
$2\frac{1}{2} \times 2\frac{7}{8} \times L$	$2\frac{1}{2}$	$2\frac{7}{8}$	$2\frac{1}{2} - 3$
$2\frac{1}{2} \times 3 \times L$	$2\frac{1}{2}$	3	$1\frac{1}{2} - 2 - 2\frac{1}{2} - 3$
$3 \times 3\frac{1}{2} \times L$	3	$3\frac{1}{2}$	$2\frac{1}{2} - 3$
$3\frac{1}{2} \times 4 \times L$	$3\frac{1}{2}$	4	3
$4 \times 4\frac{1}{2} \times L$	4	$4\frac{1}{2}$	4

Non-standard lengths can be supplied. If the size you require is not listed please contact our sales dept. We also offer a specialised machining service for low volume non-standard sizes and tolerances.

Bowman International Limited reserve the right to change specifications without prior notice E & OE



## 'Oilube®' Sintered Imperial Flanged Bearings

Reference	Bore	Outside Diameter	Lengths (L)	Flange Size (Outside Diameter x Width)
$\frac{3}{16} \times \frac{5}{16} \times L - \frac{3}{4} \times \frac{1}{8}$	$\frac{3}{16}$	$\frac{5}{16}$	$\frac{1}{4} - \frac{3}{8} - \frac{1}{2}$	$\frac{3}{8} \times \frac{1}{16}$
$\frac{1}{4} \times \frac{3}{8} \times L - \frac{1}{2} \times \frac{1}{16}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{4} - \frac{3}{8} - \frac{1}{2} - \frac{3}{4}$	$\frac{1}{2} \times \frac{1}{16}$
$\frac{5}{16} \times \frac{1}{2} \times L - \frac{5}{8} \times \frac{1}{16}$	$\frac{5}{16}$	$\frac{1}{2}$	$\frac{1}{4} - \frac{3}{8} - \frac{1}{2} - \frac{3}{4}$	$\frac{5}{8} \times \frac{1}{16}$
$\frac{3}{8} \times \frac{1}{2} \times L - \frac{5}{8} \times \frac{1}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2} - \frac{7}{8}$	$\frac{5}{8} \times \frac{1}{16}$
$\frac{3}{8} \times \frac{1}{2} \times L - \frac{5}{8} \times 0.14$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2} - \frac{3}{4} - \frac{7}{8}$	$\frac{5}{8} \times 0.14$
$\frac{3}{8} \times \frac{9}{16} \times L - \frac{3}{4} \times \frac{1}{16}$	$\frac{3}{8}$	$\frac{9}{16}$	$\frac{1}{2}$	$\frac{3}{4} \times \frac{1}{16}$
$\frac{3}{8} \times \frac{5}{8} \times L - \frac{3}{4} \times \frac{1}{8}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{8} - \frac{1}{2} - \frac{5}{8} - \frac{3}{4}$	$\frac{3}{4} \times \frac{1}{8}$
$\frac{7}{16} \times \frac{9}{16} \times L - \frac{3}{4} \times \frac{1}{16}$	$\frac{7}{16}$	$\frac{9}{16}$	$\frac{1}{2} - \frac{5}{8} - \frac{3}{4}$	$\frac{3}{4} \times \frac{1}{16}$
$\frac{1}{2} \times \frac{5}{8} \times L - \frac{3}{4} \times \frac{3}{32}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{2} - 1$	$\frac{3}{4} \times \frac{3}{32}$
$\frac{1}{2} \times \frac{3}{4} \times L - 1 \times \frac{1}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2} - \frac{3}{4} - 1 - 1\frac{1}{8}$	$1 \times \frac{1}{8}$
$\frac{5}{8} \times \frac{3}{4} \times L - 1\frac{1}{8} \times \frac{3}{32}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{1}{2} - 1 - 1\frac{1}{8}$	$1\frac{1}{8} \times \frac{3}{32}$
$\frac{5}{8} \times \frac{7}{8} \times L - 1\frac{1}{4} \times \frac{1}{8}$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{1}{2} - \frac{3}{4} - 1 - 1\frac{1}{8} - 1\frac{1}{4}$	$1\frac{1}{4} \times \frac{1}{8}$
$\frac{3}{4} \times 1 \times L - 1\frac{3}{8} \times \frac{1}{8}$	$\frac{3}{4}$	1	$\frac{3}{4} - 1 - 1\frac{1}{4} - 1\frac{1}{2}$	$1\frac{3}{8} \times \frac{1}{8}$
$\frac{7}{8} \times 1 \times L - 1\frac{1}{4} \times \frac{1}{8}$	$\frac{7}{8}$	1	1	$1\frac{1}{4} \times \frac{1}{8}$
$\frac{7}{8} \times 1\frac{1}{8} \times L - 1\frac{5}{8} \times \frac{1}{8}$	$\frac{7}{8}$	$1\frac{1}{8}$	$\frac{3}{4} - 1 - 1\frac{1}{4} - 1\frac{1}{2}$	$1\frac{5}{8} \times \frac{1}{8}$
$1 \times 1\frac{1}{4} \times L - 1\frac{3}{4} \times \frac{1}{8}$	1	$1\frac{1}{4}$	$1 - 1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4} - 2$	$1\frac{3}{4} \times \frac{1}{8}$
$1 \times 1\frac{1}{4} \times L - 1\frac{1}{2} \times \frac{1}{8}$	1	$1\frac{1}{4}$	$\frac{3}{4} - 1 - 1\frac{1}{8} - 1\frac{1}{2}$	$1\frac{1}{2} \times \frac{1}{8}$
$1\frac{1}{8} \times 1\frac{3}{8} \times L - 1\frac{7}{8} \times \frac{1}{8}$	$1\frac{1}{8}$	$1\frac{3}{8}$	$1 - 1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4}$	$1\frac{7}{8} \times \frac{1}{8}$
$1\frac{1}{4} \times 1\frac{1}{2} \times L - 1\frac{7}{8} \times \frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$\frac{3}{4} - 1\frac{1}{4} - 1\frac{1}{2}$	$1\frac{7}{8} \times \frac{1}{8}$
$1\frac{1}{4} \times 1\frac{5}{8} \times L - 2 \times \frac{1}{8}$	$1\frac{1}{4}$	$1\frac{5}{8}$	$1 - 1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4}$	$2 \times \frac{1}{8}$
$1\frac{3}{8} \times 1\frac{5}{8} \times L - 1\frac{7}{8} \times \frac{1}{8}$	$1\frac{3}{8}$	$1\frac{5}{8}$	$\frac{3}{4} - 1\frac{1}{4}$	$1\frac{7}{8} \times \frac{1}{8}$
$1\frac{1}{2} \times 1\frac{3}{4} \times L - 1\frac{7}{8} \times \frac{1}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2} - 1\frac{7}{8}$	$1\frac{7}{8} \times \frac{1}{8}$
$1\frac{1}{2} \times 1\frac{7}{8} \times L - 2\frac{1}{2} \times \frac{3}{16}$	$1\frac{1}{2}$	$1\frac{7}{8}$	$1 - 1\frac{1}{4} - 1\frac{1}{2} - 1\frac{3}{4} - 2$	$2\frac{1}{2} \times \frac{3}{16}$

Non-standard lengths can be supplied. If the size you require is not listed please contact our sales dept. We also offer a specialised machining service for low volume non-standard sizes and tolerances.

Bowman International Limited reserve the right to change specifications without prior notice E & OE

## 'Oilube®' Sintered Imperial Washers

Reference		
Bore	Outside Diameter	Length
$\frac{3}{8}$	$\frac{5}{8}$	$\frac{1}{16} \frac{1}{8}$
$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{16}$
$\frac{1}{2}$	$\frac{7}{8}$	$\frac{1}{8}$
$\frac{1}{2}$	1	$\frac{1}{16} \frac{3}{32} \frac{1}{8}$
$1\frac{17}{32}$	$1\frac{1}{8}$	$\frac{1}{16}$
$\frac{5}{8}$	1	$\frac{1}{16}$
$\frac{5}{8}$	$1\frac{1}{4}$	$\frac{1}{8}$
$2\frac{1}{32}$	$1\frac{1}{4}$	$\frac{3}{32}$
$\frac{3}{4}$	$1\frac{1}{4}$	$\frac{1}{16} \frac{1}{8}$
$2\frac{25}{32}$	$1\frac{1}{2}$	$\frac{1}{8}$
$\frac{7}{8}$	$1\frac{1}{2}$	$\frac{1}{8}$
$\frac{7}{8}$	$1\frac{55}{64}$	$\frac{1}{8}$
1	$1\frac{1}{2}$	$\frac{1}{8}$
1	$1\frac{25}{32}$	$\frac{1}{8}$
$1\frac{1}{32}$	2	$\frac{1}{8}$
$1\frac{1}{4}$	$1\frac{7}{8}$	$\frac{1}{8}$
$1\frac{1}{4}$	3	$\frac{1}{8} \frac{1}{4}$
$1\frac{13}{32}$	$2\frac{1}{2}$	$\frac{5}{32}$
$1\frac{1}{2}$	$2\frac{1}{2}$	$\frac{1}{8}$
$1\frac{1}{2}$	$3\frac{1}{2}$	$\frac{3}{16}$
$1\frac{5}{8}$	$2\frac{3}{8}$	$\frac{1}{8}$
$1\frac{3}{4}$	$2\frac{5}{8}$	$\frac{1}{8}$
2	3	$\frac{1}{4}$
$2\frac{1}{4}$	$3\frac{1}{2}$	$\frac{1}{8}$



Other sizes available – please contact our sales dept.

Bowman International Limited reserve the right to change specifications without prior notice E & OE



## 'Oilube® Sintered Cored Bars

Reference			Metric Equivalent (mm)		
Bore	Outside Diameter	Length	Bore	Outside Diameter	Length
½	1	6½	12.7	25.4	165
½	1½	6½	12.7	38.1	165
¾	1½	6½	15.88	34.9	165
¾	1½	6½	15.88	38.1	165
¾	2	6½	19.05	50.8	165
¾	1½	6½	22.23	38.1	165
¾	2	6½	22.23	50.8	165
¾	2½	6½	22.23	57.2	165
1	1½	6½	25.4	38.0	165
1	1½	6½	25.4	41.2	165
1	2	6½	25.4	50.8	165
1	3	6½	25.4	76.2	165
1½	2½	6½	28.5	54.0	165
1½	2½	6½	38.1	63.5	165
1½	3	6½	38.1	76.2	165
1¾	3	6½	44.45	76.2	165
1¾	3½	6½	44.45	88.90	165
2	3	6½	50.8	76.2	165
2	4	6½	50.8	101.6	165
2	4½	6½	50.8	114.3	165
2¼	4½	6½	57.0	114.3	165
2½	3	6½	60.3	76.2	165
2½	3½	6½	63.5	89.0	165
2½	4	6½	63.5	101.6	165
2½	3½	6½	63.5	89.0	165
2½	5	6½	63.5	127.0	165
3	4	6½	76.2	101.6	165
3	4½	6½	76.2	114.3	165
3½	4½	6½	89.0	120.6	165
3½	5	6½	95.25	127.0	165
4	6	6½	101.6	152.4	165
4½	6	6½	114.3	152.4	165
5	7	6½	127.0	177.8	165
5	7	6½	127.0	177.8	165

All bores and outside diameters have a 1/16 (1.5mm) machining allowance so as to enable actual sizes listed to be achieved. Many other sizes are available to order. We offer a competitive machining and re-lubricating service – please contact our sales dept.

## 'Oilube® Sintered Solid Bars

Reference		Metric Equivalent (mm)	
Outside Diameter	Length	Outside Diameter	Length
¾	3	9.5	76.2
½	6½	12.7	165
¾	2	19	52
0.787	2.047	20	52
1	6½	25.4	165
1½	6½	28.5	165
1½	6½	38.1	165
1.574	2.047	40	52
2	6½	50.8	165
2.362	2.362	60	60
2½	6½	70	165
3.149	3.149	80	80
3½	6½	82.5	165
6	6½	152	165
8	6½	203	165



We offer a competitive machining and re-lubricating service – please contact our sales dept. Bowman International Limited reserve the right to change specifications without prior notice E & OE

## ISO Tolerances

### Basic Sizes (over) - to

### Useful Metric ISO Tolerances in mm

	E7	F7	F8	G7	G8	H7	IT9	IT10	js13	f7	h8	h13	m5	r6	r7	s5	s7	s8
(0) -3	+0.024	+0.016	+0.020	+0.012	+0.016	+0.010	0.025	0.040	+0.070	-0.006	0	0	+0.006	+0.016	+0.020	+0.018	+0.024	+0.028
	+0.014	+0.006	+0.006	+0.002	+0.002	0			-0.070	-0.016	-0.014	-0.140	+0.002	+0.010	+0.010	+0.014	+0.014	+0.014
(3) -6	+0.032	+0.022	+0.028	+0.016	+0.022	+0.012	0.030	0.048	+0.090	-0.010	0	0	+0.009	+0.023	+0.027	+0.024	+0.031	+0.037
	+0.020	+0.010	+0.010	+0.004	+0.004	0			-0.090	-0.022	-0.018	-0.180	+0.004	+0.015	+0.015	+0.019	+0.019	+0.019
(6) -10	+0.040	+0.028	+0.035	+0.020	+0.027	+0.015	0.036	0.058	+0.110	-0.013	0	0	+0.012	+0.028	+0.034	+0.029	+0.038	+0.045
	+0.025	+0.013	+0.013	+0.005	+0.005	0			-0.110	-0.028	-0.022	-0.220	+0.006	+0.019	+0.019	+0.023	+0.023	+0.023
(10) -18	+0.050	+0.034	+0.043	+0.024	+0.033	+0.018	0.043	0.070	+0.135	-0.016	0	0	+0.015	+0.034	+0.041	+0.036	+0.046	+0.055
	+0.032	+0.016	+0.016	+0.006	+0.006	0			-0.135	-0.034	-0.027	-0.270	+0.007	+0.023	+0.023	+0.028	+0.028	+0.028
(18) -30	+0.061	+0.041	+0.053	+0.028	+0.040	+0.021	0.052	0.084	+0.165	-0.020	0	0	+0.017	+0.041	+0.049	+0.044	+0.056	+0.068
	+0.040	+0.020	+0.020	+0.007	+0.007	0			-0.165	-0.041	-0.033	-0.330	+0.008	+0.028	+0.028	+0.035	+0.035	+0.035
(30) -50	+0.075	+0.050	+0.064	+0.034	+0.048	+0.025	0.062	0.100	+0.195	-0.025	0	0	+0.020	+0.050	+0.059	+0.054	+0.068	+0.082
	+0.050	+0.025	+0.025	+0.009	+0.009	0			-0.195	-0.050	-0.039	-0.390	+0.009	+0.034	+0.034	+0.043	+0.043	+0.043
(50) -65	+0.090	+0.060	+0.076	+0.040	+0.056	+0.030	0.074	0.120	+0.230	-0.030	0	0	+0.024	+0.060	+0.071	+0.066	+0.083	+0.099
	+0.060	+0.030	+0.030	+0.010	+0.010	0			-0.230	-0.060	-0.046	-0.460	+0.011	+0.041	+0.041	+0.053	+0.053	+0.053
(65) -80	+0.090	+0.060	+0.076	+0.040	+0.056	+0.030	0.074	0.120	+0.230	-0.030	0	0	+0.024	+0.062	+0.073	+0.072	+0.089	+0.105
	+0.060	+0.030	+0.030	+0.010	+0.010	0			-0.230	-0.060	-0.046	-0.460	+0.011	+0.043	+0.043	+0.059	+0.059	+0.059
(80) -100	+0.107	+0.071	+0.090	+0.047	+0.066	+0.035	0.087	0.140	+0.270	-0.036	0	0	+0.028	+0.073	+0.086	+0.086	+0.106	+0.125
	+0.072	+0.036	+0.036	+0.012	+0.012	0			-0.270	-0.071	-0.054	-0.540	+0.013	+0.051	+0.051	+0.071	+0.071	+0.071
(100) -120	+0.107	+0.071	+0.090	+0.047	+0.066	+0.035	0.087	0.140	+0.270	-0.036	0	0	+0.028	+0.076	+0.089	+0.094	+0.114	+0.133
	+0.072	+0.036	+0.036	+0.012	+0.012	0			-0.270	-0.071	-0.054	-0.540	+0.013	+0.054	+0.054	+0.079	+0.079	+0.079