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**ISO RECOMMENDATION
R 40**

**SHIPBUILDING DETAILS FOR SEA NAVIGATION
AND INLAND NAVIGATION**

**ANCHOR CHAINS
Studless Links**

1st EDITION

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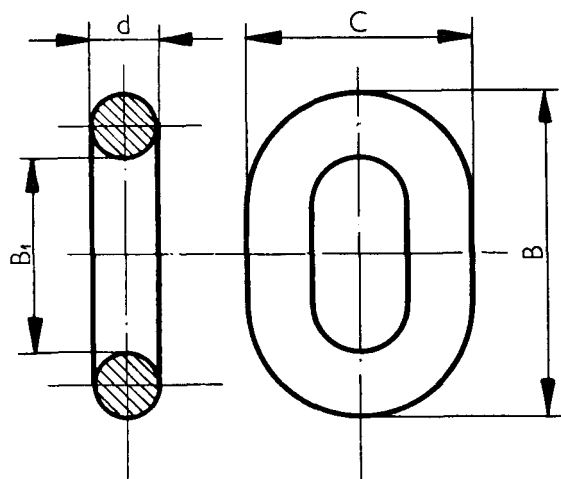
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Studless Links

1. DIMENSIONS



A = nominal dimension of the link

d = diameter

2 values: d' = millimetre value of A

d'' = inch value of A transposed into rounded off millimetre value

$$B = 5 \frac{d' + d''}{2} \quad B_1 = B - 2 \frac{d' + d''}{2}$$

$$C = 3.4 \frac{d' + d''}{2}$$

Example for A = 20.5 mm or $13/16$ inch:

$$B = 5 \frac{20.5 + 20.6}{2} = 103 \text{ mm (rounded off)}$$

$$B_1 = 103 - 2 \frac{20.5 + 20.6}{2} = 62 \text{ mm (rounded off)}$$

$$C = 3.4 \frac{20.5 + 20.6}{2} = 70 \text{ mm (rounded off)}$$

A		d		B	B ₁	C
		d'	d''			
mm	inches	mm	mm	mm	mm	mm
6*	$1/4$ *	6	6.4	31	19	21
8*	$5/16$ *	8	7.9	40	24	27
10*	$3/8$ *	10	9.5	49	29	33
11	$7/16$	11	11.1	55	33	38
12.5	$1/2$	12.5	12.7	63	38	43
14.5	$9/16$	14.5	14.3	72	43	49
16	$5/8$	16	15.9	80	48	54
17.5	$11/16$	17.5	17.5	88	53	60
19	$3/4$	19	19.1	95	57	65
20.5	$13/16$	20.5	20.6	103	62	70
22	$7/8$	22	22.2	110	66	75
24	$15/16$	24	23.8	120	72	81
25.5	1	25.5	25.4	127	76	87
27	$1 1/16$	27	27.0	135	81	92
28.5	$1 1/8$	28.5	28.6	143	86	97
30	$1 3/16$	30	30.2	150	90	102
32	$1 1/4$	32	31.8	160	96	108
33	$1 5/16$	33	33.3	166	100	113
35	$1 3/8$	35	34.9	175	105	119
37	$1 7/16$	37	36.5	184	110	125
38	$1 1/2$	38	38.1	190	114	129
40	$1 9/16$	40	39.7	199	119	135

* These dimensions for inland navigation only.

NOTE. — Allowable manufacturing tolerance for the dimensions B, B₁ and C is ± 2 per cent.