

# Stud Link Chain

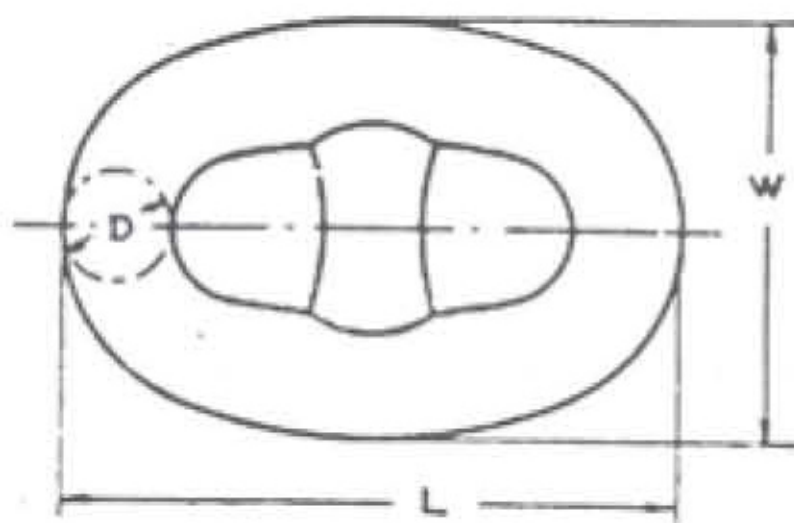


Test loads for stud link chain cables (metric units)

Chain diameter mm	Grade U1		Grade U2		Grade U3		Weight per 15 Fathom Kgs
	Proof load tonne-f	Breaking load tonne-f	Proof load tonne-f	Breaking load tonne-f	Proof load tonne-f	Breaking load tonne-f	
12.5	4.7	6.7	6.7	9.4	9.4	13.5	106
14	5.9	8.4	8.4	11.8	11.8	16.8	129
16	7.7	10.9	10.9	15.3	15.3	22.0	160
17.5	9.1	13.0	13.0	18.3	18.3	26.1	190
19	10.7	15.3	15.3	21.5	21.5	30.7	220
20.5	12.5	17.8	17.8	24.9	24.9	35.6	250
22	14.3	20.4	20.4	28.6	28.6	40.9	290
24	17.0	24.2	24.2	33.9	33.9	48.5	350
26	19.8	28.3	28.3	39.7	39.7	56.7	410
28	22.9	32.7	32.7	45.8	45.8	65.5	480
30	26.2	37.5	37.5	52.4	52.4	74.9	550
32	29.7	42.5	42.5	59.4	59.4	84.9	620
34	33.4	47.7	47.7	66.8	66.8	95.5	700
36	37.3	53.3	53.3	74.6	74.6	107.0	785
38	41.4	59.2	59.2	82.8	82.8	118.0	875
40	45.7	65.3	65.3	91.4	91.4	131.0	965
42	50.2	71.7	71.7	100.0	100.0	143.0	1055
44	54.9	78.4	78.4	110.0	110.0	157.0	1150
46	59.7	85.3	85.3	119.0	119.0	171.0	1260
48	64.8	92.6	92.6	130.0	130.0	185.0	1370
50	70.0	100.0	100.0	140.0	140.0	200.0	1485
52	75.4	108.0	108.0	151.0	151.0	215.0	1605
54	81.0	116.0	116.0	162.0	162.0	231.0	1725
56	86.8	124.0	124.0	174.0	174.0	248.0	1850
58	92.7	132.0	132.0	185.0	185.0	265.0	1985
60	98.8	141.0	141.0	198.0	198.0	282.0	2125
62	105.0	150.0	150.0	210.0	210.0	300.0	2275
64	112.0	159.0	159.0	223.0	223.0	319.0	2430
66	118.0	169.0	169.0	236.0	236.0	337.0	2590
68	125.0	178.0	178.0	250.0	250.0	357.0	2755
70	132.0	188.0	188.0	263.0	263.0	376.0	2925
73	142.0	203.0	203.0	285.0	285.0	407.0	3185
76	153.0	219.0	219.0	307.0	307.0	438.0	3460
78	161.0	230.0	230.0	322.0	322.0	459.0	3640
81	172.0	246.0	246.0	345.0	345.0	492.0	3940
84	184.0	263.0	263.0	368.0	368.0	526.0	4246
87	196.0	280.0	280.0	393.0	393.0	561.0	4562
90	209.0	298.0	298.0	417.0	417.0	596.0	4855
92	217.0	310.0	310.0	434.0	434.0	620.0	5103
95	230.0	329.0	329.0	460.0	460.0	657.0	—
97	239.0	341.0	341.0	477.0	477.0	682.0	5750
100	252.0	360.0	360.0	504.0	504.0	720.0	6010

Also Available: Oil Rig Quality and U4

# Common Links



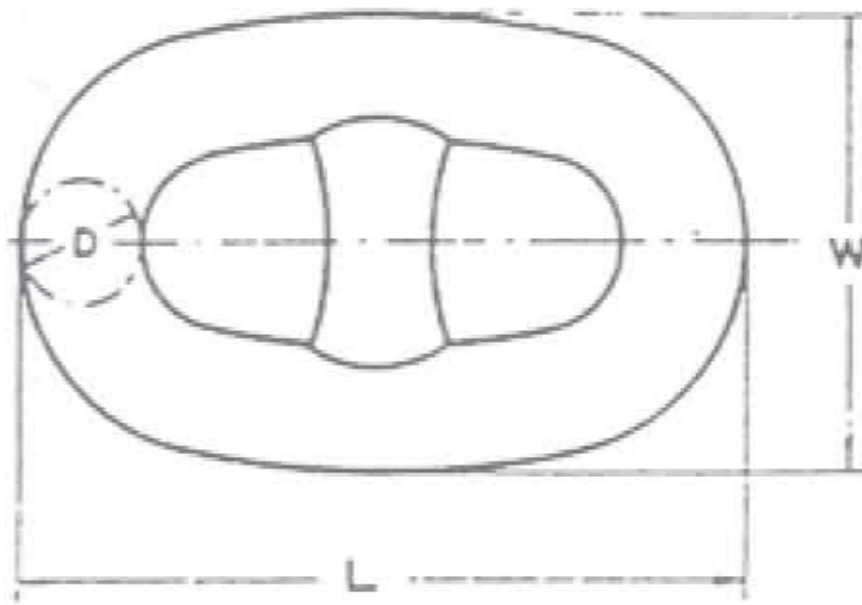
$$D = d \pm \text{Tolerance}$$

$$L = 6d + 0.15d$$

$$W = 3.6d \pm 0.1d$$

Nominal diameter <i>d</i> mm	Diameter			Length		Width		
	Minimum	Standard	Maximum	Standard	Maximum	Minimum	Standard	Maximum
	mm	mm	mm	mm	mm	mm	mm	mm
16	15.5	16.0	17.5	96.0	98.4	56.0	57.6	59.2
17	16.5	17.0	18.5	102.0	104.6	59.5	61.2	62.9
18	17.5	18.0	19.5	108.0	110.7	63.0	64.8	66.6
19	18.5	19.0	20.5	114.0	116.9	66.5	68.4	70.3
20	19.5	20.0	21.5	120.0	123.0	70.0	72.0	74.0
21	20.5	21.0	22.5	126.0	129.2	73.5	75.6	77.7
22	21.5	22.0	23.5	132.0	135.3	77.0	79.2	81.4
23	22.5	23.0	24.5	138.0	141.5	80.5	82.8	85.1
24	23.5	24.0	25.5	144.0	147.6	84.0	86.4	88.8
25	24.5	25.0	26.5	150.0	153.8	87.5	90.0	92.5
26	25.5	26.0	27.5	156.0	159.9	91.0	93.6	96.2
27	26.5	27.0	28.5	162.0	166.1	94.5	97.2	99.9
28	27.5	28.0	29.5	168.0	172.2	98.0	100.8	103.6
29	28.5	29.0	30.5	174.0	178.4	101.5	104.4	107.3
30	29.5	30.0	32.0	180.0	184.5	105.0	108.0	111.0
32	31.5	32.0	34.0	192.0	196.8	112.0	115.2	118.4
34	33.5	34.0	36.0	204.0	209.1	119.0	122.4	125.8
36	35.5	36.0	38.0	216.0	221.4	126.0	129.6	133.2
38	37.5	38.0	40.0	228.0	233.7	133.0	136.8	140.6
40	39.5	40.0	42.0	240.0	246.0	140.0	144.0	148.0
42	41.5	42.0	44.0	252.0	258.3	147.0	151.2	155.4
44	43.5	44.0	46.0	264.0	270.6	154.0	158.4	162.8
46	45.5	46.0	48.0	276.0	282.9	161.0	165.6	170.2
48	47.5	48.0	50.0	288.0	295.2	168.0	172.8	177.6
50	49.5	50.0	52.0	300.0	307.5	175.0	180.0	185.0
52	51.0	52.0	54.5	312.0	319.8	182.0	187.2	192.4
54	53.0	54.0	56.5	324.0	332.1	189.0	194.4	199.8
56	55.0	56.0	58.5	336.0	344.4	196.0	201.6	207.2
58	57.0	58.0	60.5	348.0	356.7	203.0	208.8	214.6
60	59.0	60.0	62.5	360.0	369.0	210.0	216.0	222.0
62	61.0	62.0	64.5	372.0	381.3	217.0	223.2	229.4
64	63.0	64.0	66.5	384.0	393.6	224.0	230.4	236.8
66	65.0	66.0	68.5	396.0	405.9	231.0	237.6	244.2
68	67.0	68.0	70.5	408.0	418.2	238.0	244.8	251.6
70	69.0	70.0	72.5	420.0	430.5	245.0	252.0	259.0
72	71.0	72.0	75.0	432.0	442.8	252.0	259.2	266.4
74	73.0	74.0	77.0	444.0	455.1	259.0	266.4	273.8
76	75.0	76.0	79.0	456.0	467.4	266.0	273.6	281.2
78	77.0	78.0	81.0	468.0	479.7	273.0	280.8	288.6
80	79.0	80.0	83.0	480.0	492.0	280.0	288.0	296.0
82	81.0	82.0	85.0	492.0	504.3	287.0	295.2	303.4
85	84.0	85.0	88.0	510.0	522.8	297.5	306.0	314.5
88	87.0	88.0	91.0	528.0	541.2	308.0	316.8	325.6
91	90.0	91.0	94.5	546.0	559.7	318.5	327.6	336.7
94	93.0	94.0	97.5	564.0	578.1	329.0	338.4	347.8
97	96.0	97.0	100.5	582.0	596.6	339.5	349.2	358.9
100	99.0	100.0	103.5	600.0	615.0	350.0	360.0	370.0

# Enlarged Links



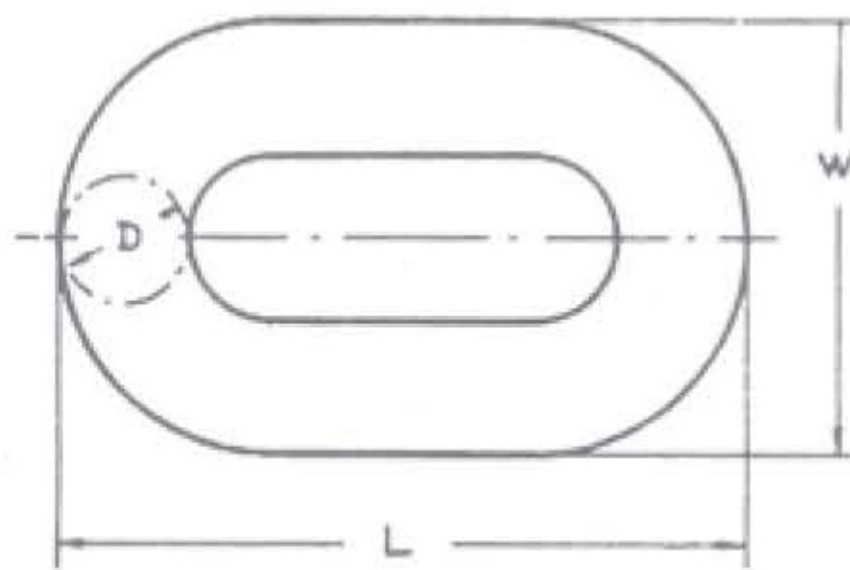
$$D = 1.1d + \text{Tolerance}$$

$$L = 6.5d + 0.15d$$

$$W = 4d + 0.1d$$

Nominal diameter d mm	Diameter			Length		Width		
	Minimum	Standard	Maximum	Standard	Maximum	Minimum	Standard	Maximum
	mm	mm	mm	mm	mm	mm	mm	mm
16	17.1	17.6	19.1	104.0	106.4	62.4	64.0	65.6
17	18.2	18.7	20.2	110.5	113.1	65.3	68.0	69.7
18	19.3	19.8	21.3	117.0	119.7	70.2	72.0	73.8
19	20.4	20.9	22.4	123.5	126.4	74.1	76.0	77.9
20	21.5	22.0	23.5	130.0	133.0	78.0	80.0	82.0
21	22.6	23.1	24.6	136.5	139.7	81.9	84.0	86.1
22	23.7	24.2	25.7	143.0	146.3	85.8	88.0	90.2
23	24.8	25.3	26.8	149.5	153.0	89.7	92.0	94.3
24	25.9	26.4	27.9	156.0	159.6	93.6	96.0	98.4
25	27.0	27.5	29.0	162.5	166.3	97.5	100.0	102.5
26	28.1	28.6	30.1	169.0	172.9	101.4	104.0	106.6
27	29.2	29.7	31.2	175.0	179.6	105.3	108.0	110.7
28	30.3	30.8	32.3	182.0	186.2	109.2	112.0	114.8
29	31.4	31.9	33.4	188.5	192.9	113.1	116.0	118.9
30	32.5	33.0	35.0	195.0	199.5	117.0	120.0	123.0
32	34.7	35.2	37.2	208.0	212.8	124.8	128.0	131.2
34	36.9	37.4	39.4	221.0	226.1	132.6	136.0	139.4
36	39.1	39.6	41.6	234.0	239.4	140.4	144.0	147.6
38	41.3	41.8	43.8	247.0	252.7	148.2	152.0	155.8
40	43.5	44.0	46.0	260.0	266.0	156.0	160.0	164.0
42	45.7	46.2	48.2	273.0	279.3	163.8	168.0	172.2
44	47.9	48.4	50.4	286.0	292.6	171.6	176.0	180.4
46	50.1	50.6	52.6	299.0	305.9	179.4	184.0	188.6
48	52.3	52.8	54.8	312.0	319.2	187.2	192.0	196.8
50	54.5	55.0	57.0	325.0	332.5	195.0	200.0	205.0
52	56.2	57.2	59.7	338.0	345.8	202.8	208.0	213.2
54	58.4	59.4	61.9	351.0	359.1	210.6	216.0	221.4
56	60.6	61.6	64.1	364.0	372.4	218.4	224.0	229.6
58	62.8	63.8	66.3	377.0	385.7	226.2	232.0	237.8
60	65.0	66.0	68.5	390.0	399.0	234.0	240.0	246.0
62	67.2	68.2	70.7	403.0	412.3	241.8	248.0	254.2
64	69.4	70.4	72.9	416.0	425.6	249.6	256.0	262.4
66	71.6	72.6	75.1	429.0	438.9	257.4	264.0	270.6
68	73.8	74.8	77.3	442.0	452.2	265.2	272.0	278.8
70	76.0	77.0	79.5	455.0	465.5	273.0	280.0	287.0
72	78.2	79.2	82.2	468.0	478.8	280.8	288.0	295.2
74	80.4	81.4	84.4	481.0	492.1	288.6	296.0	303.4
76	82.6	83.6	86.6	494.0	505.4	296.4	304.0	311.6
78	84.8	85.8	88.8	507.0	518.7	304.2	312.0	319.8
80	87.0	88.0	91.0	520.0	532.0	312.0	320.0	328.0
82	89.2	90.2	93.2	533.0	545.3	319.8	328.0	336.2
85	92.5	93.5	96.5	552.5	565.3	331.5	340.0	348.5
88	95.8	96.8	99.8	572.0	585.2	343.2	352.0	360.8
91	99.1	100.1	103.6	591.5	605.2	354.9	364.0	373.1
94	102.4	103.4	106.9	611.0	625.1	366.6	376.0	385.4
97	105.7	106.7	110.2	630.5	645.1	378.3	388.0	397.7
100	109.0	110.0	113.5	650.0	665.0	390.0	400.0	410.0

# End links



$$D = 1.2d \text{ - Tolerance}$$

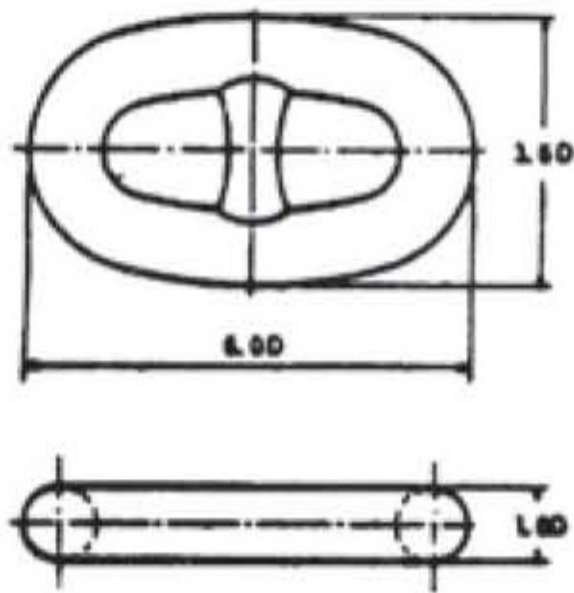
$$L = 6.75d + 0.15d$$

$$W = 4d \pm 0.15d$$

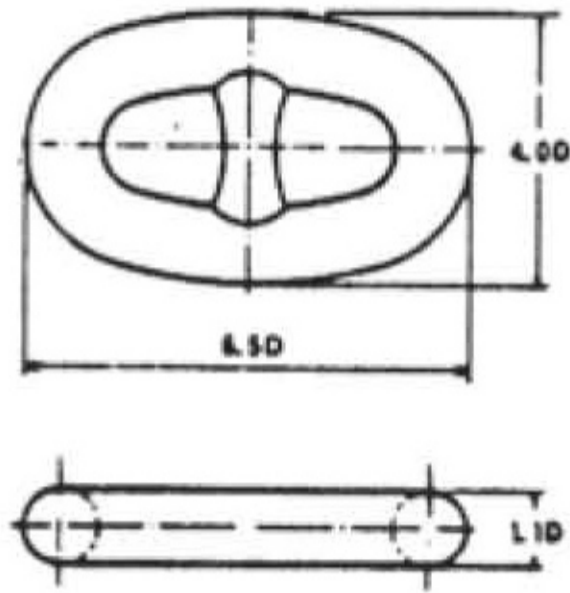
Nominal diameter d mm	Diameter			Length		Width	
	Minimum	Standard	Maximum	Standard	Maximum	Standard	Maximum
	mm	mm	mm	mm	mm	mm	mm
16	18.7	19.2	20.7	108.0	110.4	64.0	66.4
17	19.9	20.4	21.9	114.8	117.3	68.0	70.6
18	21.1	21.6	23.1	121.5	124.2	72.0	74.7
19	22.3	22.8	24.3	128.3	131.1	76.0	78.9
20	23.5	24.0	25.5	135.0	138.0	80.0	83.0
21	24.9	25.2	26.7	141.8	144.9	84.0	87.2
22	25.9	26.4	27.9	148.5	151.8	88.0	91.3
23	27.1	27.6	29.1	155.3	158.7	92.0	95.5
24	28.3	28.8	30.3	162.0	165.6	96.0	99.6
25	29.5	30.0	31.5	168.8	172.5	100.0	103.8
26	30.7	31.2	32.7	175.5	179.4	104.0	107.9
27	31.9	32.4	33.9	182.3	186.3	108.0	112.1
28	33.1	33.6	35.1	189.0	193.2	112.0	116.2
29	34.3	34.8	36.3	195.8	200.1	116.0	120.4
30	35.5	36.0	38.0	202.5	207.0	120.0	124.5
32	37.9	38.4	40.4	216.0	220.8	128.0	132.8
34	40.3	40.8	42.8	229.5	234.6	136.0	141.1
36	42.8	43.2	45.2	243.0	248.4	144.0	149.4
38	45.1	45.6	47.6	256.5	262.2	152.0	157.7
40	47.5	48.0	50.0	270.0	276.0	160.0	166.0
42	49.9	50.4	52.4	283.5	289.8	168.0	174.3
44	52.3	52.8	54.8	297.0	303.6	176.0	182.6
46	54.7	55.2	57.2	310.5	317.4	184.0	190.9
48	57.1	57.6	59.6	324.0	331.2	192.0	199.2
50	59.5	60.0	62.0	337.5	345.0	200.0	207.5
52	61.4	62.4	64.9	351.0	358.8	208.0	215.8
54	63.5	64.8	67.3	364.5	372.6	216.0	224.1
56	66.2	67.2	69.7	378.0	386.4	224.0	232.4
58	68.6	69.6	72.1	391.5	400.2	232.0	240.7
60	71.0	72.0	74.5	405.0	414.0	240.0	249.0
62	73.4	74.4	76.9	418.5	427.8	248.0	257.3
64	75.8	76.8	79.3	432.0	441.6	256.0	265.6
66	78.2	79.2	81.7	445.5	455.4	264.0	273.9
68	80.6	81.6	84.1	459.0	469.2	272.0	282.2
70	83.0	84.0	86.5	472.5	483.0	280.0	290.5
72	85.4	86.4	89.4	486.0	496.8	288.0	298.8
74	87.8	88.8	91.8	499.5	510.6	296.0	307.1
76	90.2	91.2	94.2	513.0	524.4	304.0	315.4
78	92.6	93.6	96.6	526.5	538.2	312.0	323.7
80	95.0	96.0	99.0	540.0	552.0	320.0	332.0
82	97.4	98.4	101.4	553.5	565.8	328.0	340.3
85	101.0	102.0	105.0	573.8	586.5	340.0	352.8
88	104.6	105.6	108.6	594.0	607.2	352.0	365.2
91	108.2	109.2	112.7	614.3	627.9	364.0	377.7
94	111.8	112.8	116.3	634.5	648.6	376.0	390.1
97	115.4	116.4	119.9	654.8	669.3	388.0	402.6
100	119.0	120.0	123.5	675.0	690.0	400.0	415.0

# STUD LINK CHAIN FITTINGS DETAILS

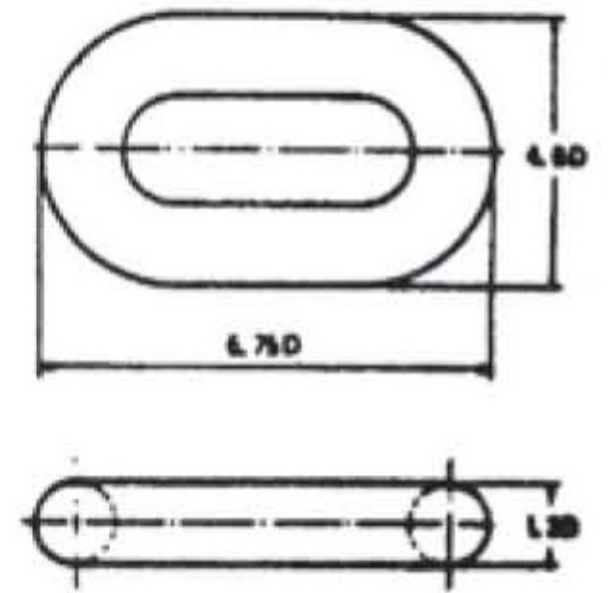
a. Common link



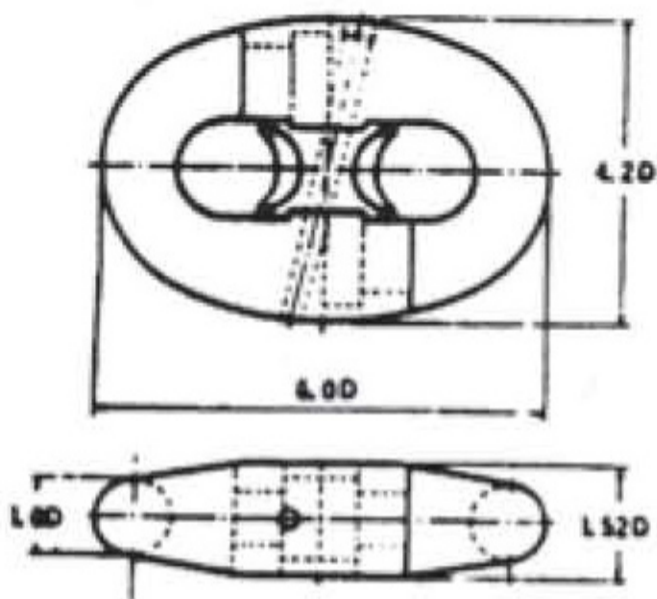
b. Enlarged link



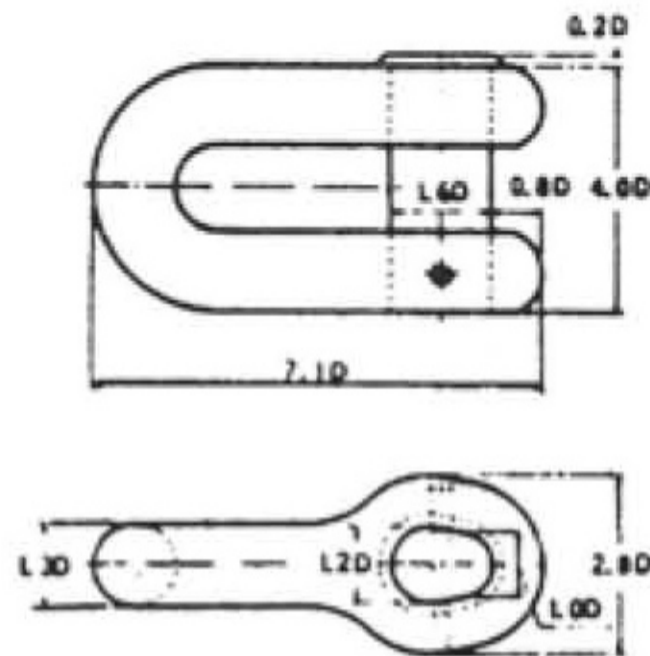
c. End link



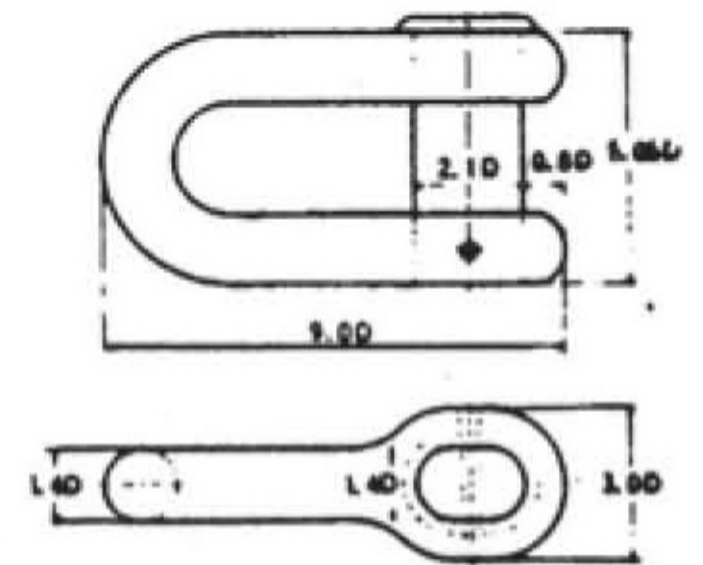
d. Joining shackle type Kenter



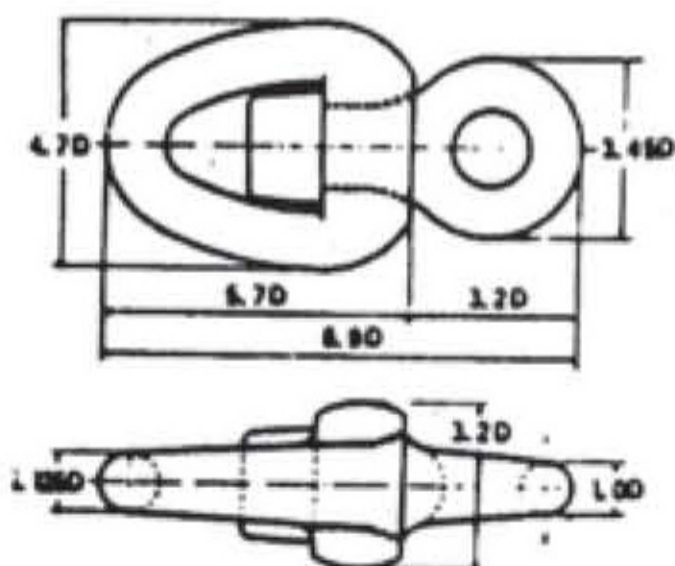
e. Joining shackle type 'D'



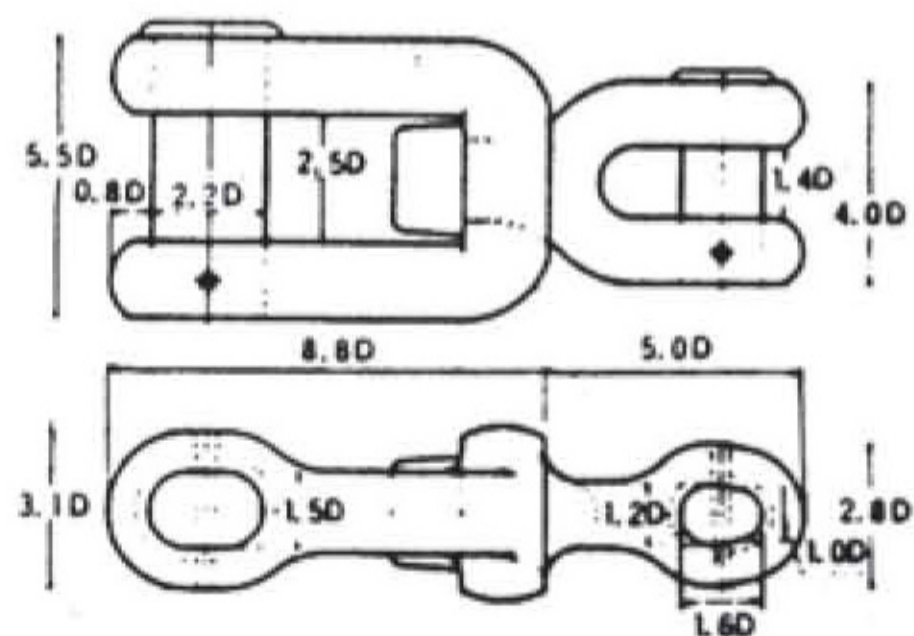
f. Anchor shackle type 'D'



g. Swivel



h. Swivel shackle



D = nominal diameter of chain