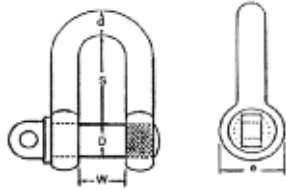


Shackles

Large Dee Shackle generally to BS3032 - 1958 - Table 2 - Type A Pin

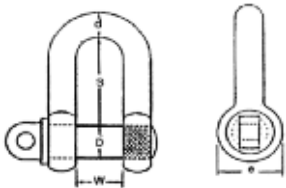
Batch Tested & Certified
Material: BS970 150M19
Finish: Self Colour / Galvanized



Part Code	W.L.L (ton)	d	Dimensions (inch)				e	Weight each (Kg)
			D	W	S			
201.04.06 / 202.04.06	0.25	1/4	3/8	1/2	1	3/4	0.06	
201.04.10 / 202.04.10	0.50	3/8	1/2	3/4	1.1/2	1	0.16	
201.04.12 / 202.04.12	0.75	1/2	5/8	1.1/8	2.1/8	1.1/4	0.35	
201.04.16 / 202.04.16	1.50	5/8	3/4	1.1/4	2.1/2	1.1/2	0.63	
201.04.20 / 202.04.20	2.00	3/4	7/8	1.1/2	2.7/8	1.3/4	1.00	
201.04.22 / 202.04.22	3.00	7/8	1	1.3/4	3.1/4	2	1.54	
201.04.25 / 202.04.25	3.75	1	1.1/8	2	3.3/4	2.1/4	2.21	
201.04.28 / 202.04.28	5.00	1.1/8	1.1/4	2.1/8	4.1/8	2.1/2	3.11	
201.04.32 / 202.04.32	6.00	1.1/4	1.3/8	2.3/8	4.1/2	2.3/4	4.33	
201.04.35 / 202.04.35	7.00	1.3/8	1.1/2	2.5/8	5	3	5.33	

Small Dee Shackle generally to BS3032 - 1958 - Table 1 - Type A Pin

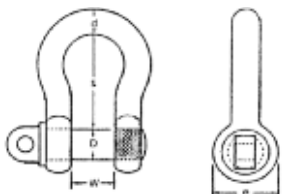
Batch Tested & Certified
Material: BS970 150M19
Finish: Self Colour / Galvanized



Part Code	W.L.L (ton)	d	Dimensions (inch)				e	Weight each (Kg)
			D	W	S			
201.06.06 / 202.06.06	0.30	1/4	3/8	3/8	7/8	3/4	0.06	
201.06.10 / 202.06.10	0.60	3/8	1/2	5/8	1.3/8	1	0.15	
201.06.12 / 202.06.12	1.00	1/2	5/8	7/8	1.7/8	1.1/4	0.33	
201.06.16 / 202.06.16	1.75	5/8	3/4	1	2.1/4	1.1/2	0.61	
201.06.20 / 202.06.20	2.50	3/4	7/8	1.1/4	2.3/4	1.3/4	0.93	
201.06.22 / 202.06.22	3.50	7/8	1	1.3/8	3.1/4	2	1.80	
201.06.25 / 202.06.25	4.50	1	1.1/8	1.1/2	3.5/8	2.1/4	2.15	
201.06.28 / 202.06.28	5.50	1.1/8	1.1/4	1.3/4	4.1/8	2.1/2	3.02	
201.06.32 / 202.06.32	7.00	1.1/4	1.3/8	1.7/8	4.1/2	2.3/4	4.20	
201.06.35 / 202.06.35	8.00	1.3/8	1.1/2	2.1/8	5	3	5.34	

Large Bow Shackle generally to BS3032 - 1958 - Table 3 - Type A Pin

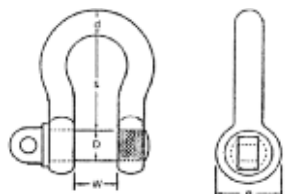
Batch Tested & Certified
Material: BS970 150M19
Finish: Self Colour / Galvanized



Part Code	W.L.L (ton)	d	Dimensions (inch)				e	Weight each (Kg)
			D	W	S			
201.05.10 / 202.05.10	0.45	3/8	1/2	5/8	1.5/8	1	0.18	
201.05.12 / 202.05.12	0.75	1/2	5/8	7/8	2.1/8	1.1/4	0.34	
201.05.16 / 202.05.16	1.25	5/8	3/4	1.1/8	2.3/4	1.1/2	0.65	
201.05.20 / 202.05.20	2.00	3/4	7/8	1.3/8	3.3/8	1.3/4	1.08	
201.05.22 / 202.05.22	2.75	7/8	1	1.5/8	3.7/8	2	1.80	
201.05.25 / 202.05.25	3.75	1	1.1/8	1.3/4	4.1/4	2.1/4	2.46	
201.05.28 / 202.05.28	4.75	1.1/8	1.1/4	2	4.7/8	2.1/2	3.47	
201.05.32 / 202.05.32	5.75	1.1/4	1.3/8	2.1/4	5.3/8	2.3/4	4.56	
201.05.35 / 202.05.35	7.25	1.3/8	1.1/2	2.1/2	6	3	6.07	

Small Bow Shackle generally to BS3032 - 1958 - Table 4 - Type A Pin

Batch Tested & Certified
Material: BS970 150M19
Finish: Self Colour / Galvanized
Type: A Pin



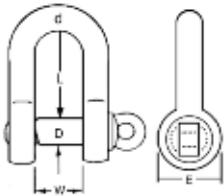
Part Code	W.L.L (ton)	d	Dimensions (inch)				e	Weight Each (Kg)
			D	W	S			
201.07.10 / 202.07.10	0.50	3/8	1/2	5/8	1.1/2	1	0.18	
201.07.12 / 202.07.12	1.00	1/2	5/8	7/8	2	1.1/4	0.34	
201.07.16 / 202.07.16	1.50	5/8	3/4	1.1/8	2.1/2	1.1/2	0.62	
201.07.20 / 202.07.20	2.00	3/4	7/8	1.3/8	3	1.3/4	1.05	
201.07.22 / 202.07.22	3.00	7/8	1	1.1/2	3.1/2	2	1.63	
201.07.25 / 202.07.25	4.00	1	1.1/8	1.3/4	4	2.1/4	2.28	
201.07.28 / 202.07.28	5.00	1.1/8	1.1/4	2	4.1/2	2.1/2	3.20	
201.07.32 / 202.07.32	6.25	1.1/4	1.3/8	2.1/4	5	2.3/4	4.54	
201.07.35 / 202.07.35	7.50	1.3/8	1.1/2	2.3/8	5.1/2	3	5.74	

Type E Pin (nut & bolt) available upon request. Larger sizes available upon request.

Shackles

Green Pin® Alloy Dee Shackle - meets performance requirements of U.S Federal Specification RR-C-271.

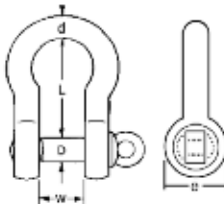
Batch Tested & Certified
Material: BS970 150M19
Finish: Hot Dipped Galvanized
Type: Screw Pin / Safety Pin



Screw Pin Part Code	Safety Pin Part Code	W.L.L (t)	Dimensions (inch)					Weight each (Kg)
			d	D	W	S	e	
202.10.06	-	500 Kg	1/4	5/16	9/32	15/16	11/16	0.04
202.10.08	-	750 Kg	5/16	3/8	9/16	1.1/16	13/16	0.08
202.10.10	-	1.00	3/8	7/16	5/8	1.1/4	15/16	0.13
202.10.11	-	1.50	7/16	1/2	23/32	1.7/16	1.1/16	0.19
202.10.12	202.14.12	2.00	1/2	5/8	13/16	1.11/16	1.5/16	0.33
202.10.16	202.14.16	3.25	5/8	3/4	1.1/6	2	1.9/16	0.70
202.10.20	202.14.20	4.75	3/4	7/8	1.1/4	2.3/8	1.13/16	0.87
202.10.22	202.14.22	6.50	7/8	1	1.7/16	2.13/16	2.3/16	1.34
202.10.25	202.14.25	8.50	1	1.1/8	1.11/16	3.3/16	2.3/8	2.00
202.10.28	202.14.28	9.50	1.1/8	1.1/4	1.13/16	3.9/16	2.5/8	2.80

Green Pin® Alloy Bow Shackle - meets performance requirements of U.S Federal Specification RR-C-271.

Batch Tested & Certified
Material: BS970 150M19
Finish: Hot Dipped Galvanized
Type: Screw Pin / Safety Pin

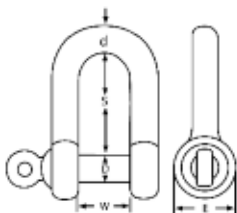


Screw Pin Part Code	Safety Pin Part Code	W.L.L (t)	Dimensions (inch)					Weight each (Kg)
			d	D	W	S	e	
202.11.06	202.15.06	500 Kg	1/4	5/16	9/32	1.1/8	11/16	0.04
202.11.08	202.15.08	750 Kg	5/16	3/8	9/16	1.1/4	13/16	0.08
202.11.10	202.15.10	1.00	3/8	7/16	5/8	1.7/16	15/16	0.13
202.11.11	202.15.11	1.50	7/16	1/2	23/32	1.11/16	1.1/16	0.19
202.11.12	202.15.12	2.00	1/2	5/8	13/16	1.7/8	1.5/16	0.33
202.11.16	202.15.16	3.25	5/8	3/4	1.1/6	2.13/32	1.9/16	0.70
202.11.20	202.15.20	4.75	3/4	7/8	1.1/4	2.27/32	1.13/16	0.87
202.11.22	202.15.22	6.50	7/8	1	1.7/16	3.5/16	2.3/16	1.34
202.11.25	202.15.25	8.50	1	1.1/8	1.11/16	3.3/4	2.3/8	2.00
202.11.28	202.15.28	9.50	1.1/8	1.1/4	1.13/16	4.1/4	2.5/8	2.80

Silver Pin Economy range available upon request. Larger sizes available upon request.

Commercial Dee Shackle

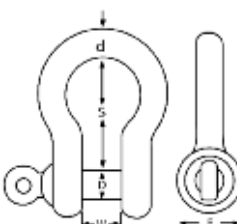
Untested
Material: Mild Steel
Finish: Electro-Galvanized



Part Code	Dimensions (mm)					Weight per 100 (Kg)
	d	D	W	S	e	
202.01.05	5	5	10	20	10	1.80
202.01.06	6	6	12	24	12	3.00
202.01.08	8	8	16	32	16	6.50
202.01.10	10	10	20	40	20	11.50
202.01.12	12	12	24	48	25	22.70
202.01.16	16	16	32	64	34	54.30
202.01.20	20	20	40	80	42	100.00
202.01.22	22	22	44	88	46	141.00
202.01.25	25	25	48	96	54	228.40

Commercial Bow Shackle

Untested
Material: Mild Steel
Finish: Electro-Galvanized

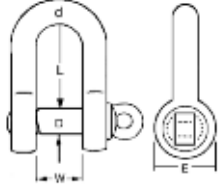


Part Code	Dimensions (mm)					Weight per 100 (Kg)
	d	D	W	S	e	
202.02.05	5	5	10	20	10	1.80
202.02.06	6	6	12	24	12	3.00
202.02.08	8	8	16	32	16	6.50
202.02.10	10	10	20	40	20	11.50
202.02.12	12	12	24	48	25	22.70
202.02.16	16	16	32	64	34	54.30
202.02.20	20	20	40	80	42	100.00
202.02.22	22	22	44	88	46	141.00
202.02.25	25	25	48	96	54	228.40

Shackles

Stainless Steel Dee Shackle

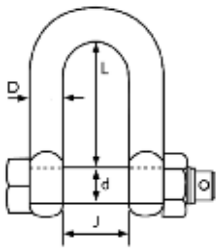
Batch Tested & Certified
 Markings: W.L.L. –
 Batch Number - Size
 Material: AISI 316
 Finish: Polished
 Type: Screw Pin



Part Code	W.L.L. (t)	Dimensions (mm)					Weight each (Kg)
		d	D	W	L	e	
201.18.10	0.63	10	11	17	32	23	0.14
201.18.12	1.00	12	16	20	41	34	0.38
201.18.16	1.50	16	20	27	51	42	0.66
201.18.20	2.00	20	22	32	60	45	1.05
201.18.22	3.00	22	26	36	72	55	1.46
201.18.25	4.00	25	28	43	81	58	2.59

Stainless Steel Dee Shackle – Safety Pin

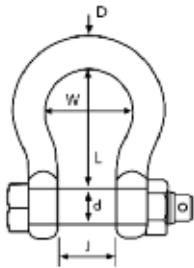
Tested and Certified
 Markings: W.L.L. –
 Batch Number - Size
 Material: 316 Stainless Steel
 Finish: Polished



Part Code	W.L.L. (t)	Dimensions (mm)				Weight each (Kg)
		d	D	J	L	
201.20.06	350 Kg	6.0	6.0	13.0	25.0	0.05
201.20.08	500 Kg	8.0	8.0	16.0	32.0	0.08
201.20.10	800 Kg	10.0	9.5	19.0	38.0	0.14
201.20.11	1.00	12.0	11.0	22.0	44.0	0.21
201.20.13	1.25	12.0	12.7	26.0	52.0	0.33
201.20.14	1.80	16.0	14.3	29.0	58.0	0.56
201.20.16	2.80	20.0	16.0	32.0	64.0	0.76
201.20.19	3.30	22.0	19.0	38.0	76.0	1.18
201.20.22	4.50	24.0	22.0	44.0	88.0	1.75
201.20.25	5.00	27.0	25.4	50.0	100.0	2.60

Stainless Steel Bow Shackle – Safety Pin

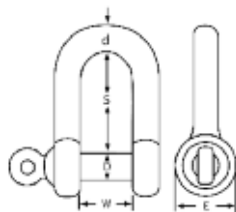
Tested and Certified
 Markings: W.L.L. –
 Batch Number - Size
 Material: 316 Stainless Steel
 Finish: Polished



Part Code	W.L.L. (t)	Dimensions (mm)					Weight each (Kg)
		d	P	J	W	L	
201.21.06	280 Kg	6.0	6.0	13.0	19.0	28.0	0.05
201.21.08	400 Kg	8.0	8.0	16.0	25.0	35.0	0.08
201.21.10	600 Kg	10.0	9.5	19.0	28.0	38.0	0.15
201.21.11	800 Kg	12.0	11.0	22.0	33.0	46.0	0.22
201.21.13	1.00	12.0	12.7	26.0	38.0	52.0	0.35
201.21.14	1.50	16.0	14.3	29.0	43.0	60.0	0.64
201.21.16	2.50	20.0	16.0	32.0	50.0	68.0	0.81
201.21.19	3.00	22.0	19.0	38.0	58.0	76.0	1.25
201.21.22	4.00	24.0	22.0	44.0	66.0	88.0	1.82
201.21.25	4.50	27.0	25.4	50.0	76.0	100.0	2.70

Stainless Steel Commercial Dee Shackle

Untested
 Material: AISI 316
 Finish: Polished



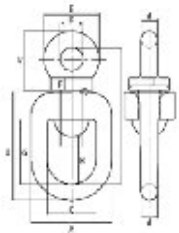
Part Code	Dimensions (mm)					Weight per 100 (Kg)
	d	D	W	S	e	
201.16.06	6.0	6.0	12.0	24.0	12.0	2.40
201.16.08	8.0	8.0	16.0	32.0	16.0	5.60
201.16.10	10.0	10.0	20.0	40.0	20.0	13.00
201.16.12	12.0	12.0	24.0	48.0	24.0	20.00
201.16.16	16.0	16.0	32.0	64.0	32.0	48.00
201.16.20	20.0	20.0	38.0	76.0	38.0	84.00

Larger sizes and Bow Shackles are available on request.

Swivels and Mooring Rings

Single Eye Forged Mooring Swivel

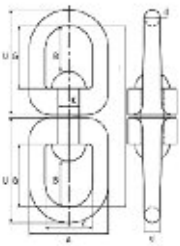
Batch Tested & Certified
 Markings: W.L.L. - Size - Batch Number
 Material: High Tensile / Low Carbon
 Finish: Hot Dipped Galvanized



Part Code	W.L.L. (t)	Dimensions (mm)											Weight each (Kg)
		d	A	B	C	D	E	F	G	L	U	V	
232.02.13	1.50	13.0	60.0	35.0	36.0	17.0	41.0	9.5	38.0	100.5	80.0	43.6	0.50
232.02.16	2.00	16.0	72.0	43.0	40.0	23.0	55.0	11.0	60.0	126.5	98.0	59.5	0.94
232.02.20	3.20	20.0	83.0	45.0	45.0	26.0	64.0	11.5	66.0	146.0	113.0	70.0	1.46
232.02.22	6.30	22.0	93.0	53.0	49.0	29.0	73.0	16.0	75.0	170.0	131.0	82.0	2.21

Double Eye Forged Mooring Swivel

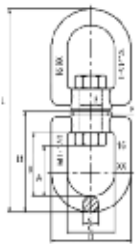
Batch Tested & Certified
 Markings: W.L.L. - Size - Batch Number
 Material: High Tensile - Low Carbon
 Finish: Hot Dipped Galvanized



Part Code	W.L.L. (t)	Dimensions (mm)								Weight each (Kg)
		d	A	B	C	G	K	L	U	
232.03.13	1.50	13.0	60.0	35.0	36.0	48.0	16.5	137.0	80.0	0.70
232.03.16	2.00	16.0	72.0	43.0	40.0	60.0	21.5	165.0	98.0	1.27
232.03.20	3.20	20.0	83.0	45.0	45.0	66.0	24.5	189.0	113.0	2.00
232.03.22	6.30	22.0	93.0	53.0	49.0	75.0	28.0	219.0	131.0	3.05

Double Eye Mooring Swivel

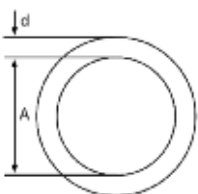
Batch Tested & Certified
 Markings: W.L.L. - Size - Batch Number
 Material: 316 Stainless Steel
 Finish: Polished



Part Code	Weight (t)	Dimensions (mm)										Weight each (Kg)
		d	A	B	C	D	E	F	L	L1		
231.04.08	600 Kg	8.0	20.0	27.0	20.0	36.0	20.0	8.0	90.0	45.0	0.15	
231.04.10	800 Kg	10.0	27.0	35.0	24.0	44.0	24.0	10.0	115.0	57.5	0.29	
231.04.13	1.20	13.0	35.5	45.5	31.0	56.0	31.0	12.0	148.5	74.0	0.60	
231.04.16	1.50	16.0	46.0	60.0	39.0	71.0	39.0	16.0	191.0	95.0	1.10	
231.04.19	1.80	19.0	54.0	68.0	39.0	77.0	40.0	20.0	231.0	115.0	2.25	
231.04.22	2.10	22.0	55.0	72.0	46.0	90.0	46.0	22.0	254.0	126.0	3.13	

Forged Mooring Ring

Batch Tested & Certified
 Markings: W.L.L.
 Finish: Self Colour



Part Code	W.L.L. (t)	Dimensions (mm)		Weight each (Kg)
		d	A	
121.01.19.76	2.00	19.0	76.0	0.75
121.01.22.100	3.00	22.0	100.0	1.40
121.01.26.100	4.75	26.0	100.0	1.80
121.01.28.150	4.50	28.0	150.0	2.80