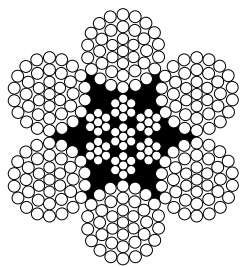


WIRE ROPE & METAL COMPONENT



ASP

ASP The Specialist of Lifting Products



**For Crane, Hoist and
General Engineering Purposes**
Construction :
6 Strands
37 Wires per Strand
Independent Wire Rope Core

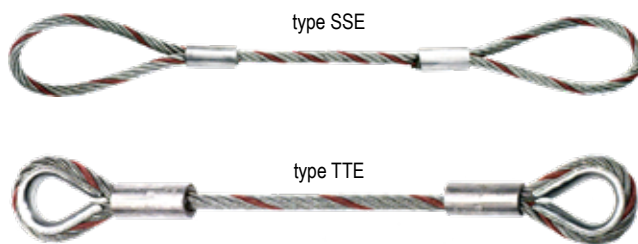
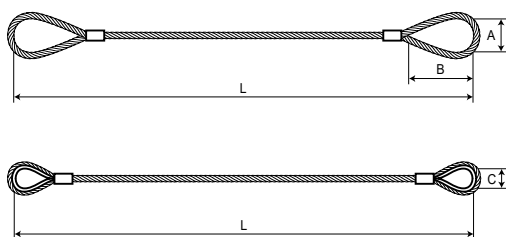
6x37 IWRC

**For Heavy Lifting, Oil Drilling,
Crane & Hoist, Mine Service
and General Engineering Purposes**

Rope Ø Diameter		Approx. Weight kg/100m.	Minimum Breaking Strength in Tonnes			
mm.	inch		HG 150Kg/mm ²	DG & A 165Kg/mm ²	EG & B 180Kg/mm ²	C 195Kg/mm ²
8	5/16"	26.00	3.54	3.86	4.16	4.49
9	3/8"	33.00	4.47	4.87	5.26	5.68
10	3/8"	39.80	5.53	6.02	6.50	7.02
11	7/16"	50.00	6.93	7.55	8.15	8.80
12	1/2"	57.50	7.97	8.68	9.37	10.12
13	1/2"	68.70	9.27	10.10	10.90	11.77
14	9/16"	78.90	10.88	11.86	12.80	13.82
16	5/8"	102.00	14.11	15.38	16.60	17.93
18	11/16"	130.00	17.86	19.46	21.00	22.68
19	3/4"	145.50	20.15	21.96	23.70	25.60
20	3/4"	160.00	22.11	24.10	26.00	28.08
22	7/8"	200.00	27.72	30.21	32.60	35.21
24	15/16"	230.00	30.61	33.36	36.00	38.88
25	1"	250.00	34.44	37.53	40.50	43.74
28	1-1/8"	315.00	43.36	47.27	51.00	55.08
30	1-3/16"	358.00	49.74	54.22	58.50	63.18
32	1-1/4"	400.00	56.63	61.72	66.60	71.93
35	1-3/8"	490.00	67.77	73.86	79.70	86.08
36	1-3/8"	520.00	69.72	76.00	82.00	88.56
38	1-1/2"	580.00	79.92	87.12	94.00	101.52
40	1-19/32"	640.00	88.43	96.39	104.00	112.32
44	1-3/4"	775.00	106.28	115.85	125.00	135.00
48	1-7/8"	920.00	127.54	139.02	150.00	162.00
50	2"	1,000.00	144.54	157.55	170.00	183.60

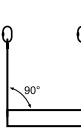
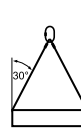
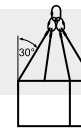
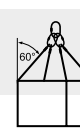
WIRE ROPE SLING WITH EYES, SAFETY FACTOR 5:1

Wire rope slings with wire rope metallic core, Compressed clamp
type SSE with soft eyes both ends
and type TTE with thimbles both ends



Wire Rope Sling WLL Table

Steel Wire Rope 6x37 IWRC Grade 1770 N/mm² (T/S 180 kgf/mm²)

Rope Ø Diameter		Approx. Weight kg/100m.	Minimum Breaking Load Tonnes	Eyes (B) cm.	W.L.L.	Safe Working Load (S.W.L.)					
											
mm.	inch				Straight lift	Choker lift	2 Legged Basket lift	2 Legged 0-30°	2 Legged 45-60°	3&4 Legged 0-30°	3&4 Legged 45-60°
8	5/16"	26.00	4.16	15	0.83	0.58	1.66	1.16	0.83	1.76	1.25
9	3/8"	33.00	5.26	15	1.05	0.74	2.10	1.47	1.05	2.23	1.58
10	3/8"	39.80	6.50	18	1.30	0.91	2.60	1.82	1.30	2.76	1.95
11	7/16"	50.00	8.15	18	1.63	1.14	3.26	2.28	1.63	3.46	2.45
12	1/2"	57.50	9.37	20	1.87	1.31	3.75	2.62	1.87	3.97	2.81
13	1/2"	68.70	10.90	20	2.18	1.53	4.36	3.05	2.18	4.62	3.27
14	9/16"	78.90	12.80	25	2.56	1.79	5.12	3.58	2.56	5.43	3.84
16	5/8"	102.00	16.60	30	3.32	2.32	6.64	4.65	3.32	7.04	4.98
18	11/16"	130.00	21.00	30	4.20	2.94	8.40	5.88	4.20	8.90	6.30
19	3/4"	145.50	23.70	30	4.74	3.32	9.48	6.64	4.74	10.05	7.11
20	3/4"	160.00	26.00	30	5.20	3.64	10.40	7.28	5.20	11.02	7.80
22	7/8"	200.00	32.60	35	6.52	4.56	13.04	9.13	6.52	13.82	9.78
24	15/16"	230.00	36.00	35	7.20	5.04	14.40	10.08	7.20	15.26	10.80
25	1"	250.00	40.50	40	8.10	5.67	16.20	11.34	8.10	17.17	12.15
28	1-1/8"	315.00	51.00	45	10.20	7.14	20.40	14.28	10.20	21.62	15.30
30	1-3/16"	358.00	58.50	45	11.70	8.19	23.40	16.38	11.70	24.80	17.55
32	1-1/4"	400.00	66.60	50	13.32	9.32	26.64	18.65	13.32	28.24	19.98
35	1-3/8"	490.00	79.70	55	15.94	11.16	31.88	22.32	15.94	33.79	23.91
36	1-3/8"	520.00	82.00	55	16.40	11.48	32.80	22.96	16.40	34.77	24.60
38	1-1/2"	580.00	94.00	60	18.80	13.16	37.60	26.32	18.80	39.86	28.20
40	1-19/32"	640.00	104.00	60	20.80	14.56	41.60	29.12	20.80	44.10	31.20
44	1-3/4"	775.00	125.00	70	25.00	17.50	50.00	35.00	25.00	53.00	37.50
48	1-7/8"	920.00	150.00	75	30.00	21.00	60.00	42.00	30.00	63.60	45.00
50	2"	1,000.00	170.00	80	34.00	23.80	68.00	47.60	34.00	72.08	51.00

**Safety factor 5:1

The minimum length (L) of the sling is 50 times the wire rope diameter for type SSE and 33 times for type TTE

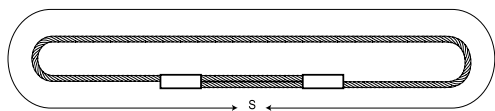
On request the slings can be supplied with cylindrical conical aluminium alloy ferrule.

Wire rope galvanized or class 200 kgf/mm² available as options.

WIRE ROPE SLING ENDLESS, SAFETY FACTOR 5:1

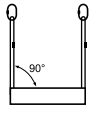
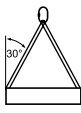
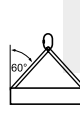
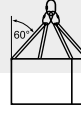
Wire rope slings with wire rope metallic core, Compressed clamp type ESE execution with aluminium clamps - mechanical splice construction single part wire rope

type ESE



Wire Rope Sling WLL Table

Steel Wire Rope 6x37 IWRC Grade 1770 N/mm² (T/S 180 kgf/mm²)

Rope Ø Diameter		Approx. Weight kg/100m.	Minimum Breaking Load Tonnes	W.L.L.	Safe Working Load (S.W.L.)					
										
mm.	inch			Straight lift	Choker lift	2 Legged Basket lift	2 Legged 0-30°	2 Legged 45-60°	3&4 Legged 0-30°	3&4 Legged 45-60°
8	5/16"	26.00	7.48	1.50	1.05	2.99	2.09	1.50	3.17	2.24
9	3/8"	33.00	9.46	1.89	1.32	3.78	2.65	1.89	4.01	2.84
10	3/8"	39.80	11.7	2.34	1.64	4.68	3.28	2.34	4.96	3.51
11	7/16"	50.00	14.67	2.93	2.05	5.87	4.11	2.93	6.22	4.40
12	1/2"	57.50	16.86	3.37	2.36	6.74	4.72	3.37	7.15	5.06
13	1/2"	68.70	19.62	3.92	2.75	7.85	5.49	3.92	8.32	5.89
14	9/16"	78.90	23.04	4.61	3.23	9.22	6.45	4.61	9.77	6.91
16	5/8"	102.00	29.88	5.98	4.18	11.95	8.37	5.98	12.67	8.96
18	11/16"	130.00	37.80	7.56	5.29	15.12	10.58	7.56	16.03	11.34
19	3/4"	145.50	42.66	8.53	5.97	17.06	11.94	8.53	18.09	12.80
20	3/4"	160.00	46.80	9.36	6.55	18.72	13.10	9.36	19.84	14.04
22	7/8"	200.00	58.68	11.74	8.22	23.47	16.43	11.74	24.88	17.60
24	15/16"	230.00	64.80	12.96	9.07	25.92	18.14	12.96	27.48	19.44
25	1"	250.00	72.90	14.58	10.21	29.16	20.41	14.58	30.91	21.87
28	1-1/8"	315.00	91.80	18.36	12.85	36.72	25.70	18.36	38.92	27.54
30	1-3/16"	358.00	105.30	21.06	14.74	42.12	29.48	21.06	44.65	31.59
32	1-1/4"	400.00	119.88	23.98	16.78	47.95	33.57	23.98	50.83	35.96
35	1-3/8"	490.00	143.46	28.69	20.08	57.38	40.17	28.69	60.83	43.04
36	1-3/8"	520.00	147.60	29.52	20.66	59.04	41.33	29.52	62.58	44.28
38	1-1/2"	580.00	169.20	33.84	23.69	67.68	47.38	33.84	71.74	50.76
40	1-19/32"	640.00	187.20	37.44	26.21	74.88	52.42	37.44	79.37	56.16
44	1-3/4"	775.00	225.00	45.00	31.50	90.00	63.00	45.00	95.40	67.50
48	1-7/8"	920.00	270.00	54.00	37.80	108.00	75.60	54.00	114.48	81.00
50	2"	1,000.00	306.00	61.20	42.84	122.40	85.68	61.20	129.74	91.80

**Safety factor 5:1

The minimum circumference (S) of the sling is 50 times the wire rope diameter.

The bend radius must be not less of 4 times the wire rope diameter.

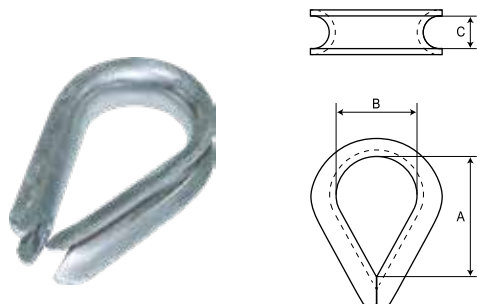
Execution conforming to DIN 3088 type ESE

The zone between the clamps mustn't be bent under lifting force.

Wire rope galvanized or in class 200 kgf/mm² available as option.

ASP-G411 Standard Wire Rope Thimble

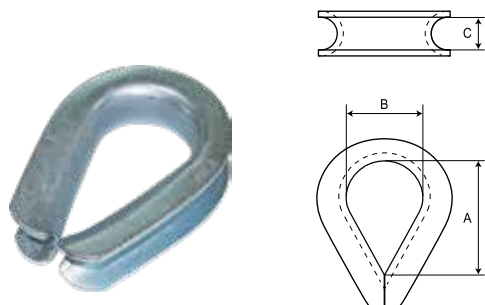
Recommended for light duty service.
Hot-dipped galvanized or zinc plated as requirement.
G411 meets the requirements of Federal Specification FF-T-276b.



Art No.	Rope dia. (in)	Dimension (in)			Weight (kg/pc)
		A	B	C	
ASP-G411-06	1/4"	1.31	0.69	0.28	0.013
ASP-G411-08	5/16"	1.50	0.81	0.34	0.018
ASP-G411-10	3/8"	1.63	0.94	0.41	0.029
ASP-G411-13	1/2"	1.88	1.13	0.53	0.057
ASP-G411-16	5/8"	2.25	1.38	0.66	0.113
ASP-G411-20	3/4"	2.50	1.63	0.78	0.277
ASP-G411-22	7/8"	3.50	1.88	0.94	0.385
ASP-G411-26	1"	4.25	2.5	1.06	0.453
ASP-G411-32	1-1/8"-1-1/4"	4.50	2.75	1.31	0.793
ASP-G411-36	1-3/8"	7.54	3.54	1.42	1.266
ASP-G411-38	1-1/2"	8.11	4.13	1.56	1.420
ASP-G411-40	1-5/8"	9.06	4.33	1.69	1.726
ASP-G411-45	1-3/4"	9.59	4.33	1.81	2.216
ASP-G411-50	1-7/8"-2"	10.63	4.50	2.09	2.800
ASP-G411-58	2-1/4"	11.63	5.98	2.52	4.000

ASP-G414 Extra Heavy-duty Wire Rope Thimble

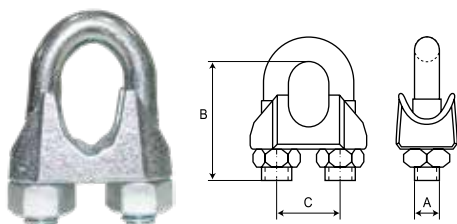
Recommended for Heavy duty service.
Hot-dipped galvanized or zinc plated as requirement.
G414 meets the requirements of Federal Specification FF-T-276b.



Art No.	Rope dia. (in)	Dimension (in)			Weight (kg/pc)
		A	B	C	
ASP-G414-06	1/4"	1.63	0.88	0.28	0.03
ASP-G414-08	5/16"	1.88	1.06	0.34	0.05
ASP-G414-10	3/8"	2.13	1.13	0.41	0.11
ASP-G414-12	1/2"	2.75	1.50	0.53	0.23
ASP-G414-16	5/8"	3.25	1.75	0.66	0.34
ASP-G414-20	3/4"	3.75	2.00	0.78	0.66
ASP-G414-22	7/8"	4.25	2.25	0.94	0.80
ASP-G414-25	1"	4.50	2.50	1.06	1.25
ASP-G414-30	1-1/8"-1-1/4"	5.13	2.88	1.31	1.64
ASP-G414-36	1-3/8"	6.50	3.50	1.44	3.70
ASP-G414-38	1-1/2"	6.25	3.50	1.56	5.33
ASP-G414-40	1-5/8"	8.00	4.00	1.72	7.71
ASP-G414-45	1-3/4"	9.00	4.50	1.84	8.05
ASP-G414-50	1-7/8"-2"	12.00	6.00	2.09	11.34
ASP-G414-58	2-1/4"	14.00	7.00	2.38	17.92

ASP-USC U.S. Type Malleable Wire Rope Clips

FF-C-405 TYPE 1 CLASS2.



Art No.	Rope dia. (in)	Dimension (in)			Weight (kg/pc)
		A	B	C	
ASP-USC-03	1/8"	M5	20	11	0.02
ASP-USC-04	3/16"	M6	24	14	0.03
ASP-USC-06	1/4"	M8	31	17	0.05
ASP-USC-08	5/16"	M8	34	18	0.06
ASP-USC-10	3/8"	M10	41	22	0.10
ASP-USC-12	1/2"	M12	53	27	0.11
ASP-USC-16	5/8"	M14	59	33	0.25
ASP-USC-20	3/4"	M14	68	34	0.37
ASP-USC-22	7/8"	M16	78	41	0.53
ASP-USC-24	1"	M16	87	45	0.68

Type of Wire rope Standard Combination



"ESE" Endless Sling



"SSE" Eye & Eye



"TTE" Thimble & Thimble



"STE" Eye & Thimble



"SHE" Eye & Hook



"THE" Thimble & Hook



"MME" Master link & Mater link



"HHE" Hook & Hook



Single Leg Sling



2-Leg Slings



3-Leg Slings



4-Leg Slings



2-Leg Endless



4-Leg Endless



Choke Lift



2-Leg Choke Lift



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