PETROLIFT®

SINCE 1999

Wire Rope Slings CATALOGUE

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Wire Rope Slings

We manufacture and supply a comprehensive range of wire rope slings. Used as single leg or in multi leg slings with appropriate fittings, wire rope slings cover all general lifting applications.
Hand and machine spliced wire rope slings are available in black, galvanised or stainless steel. Suitable for a range of applications including lifting, tie-down, towing, crane ropes and winching. Sizes range from 2mm to 32mm with special sizes available on request.

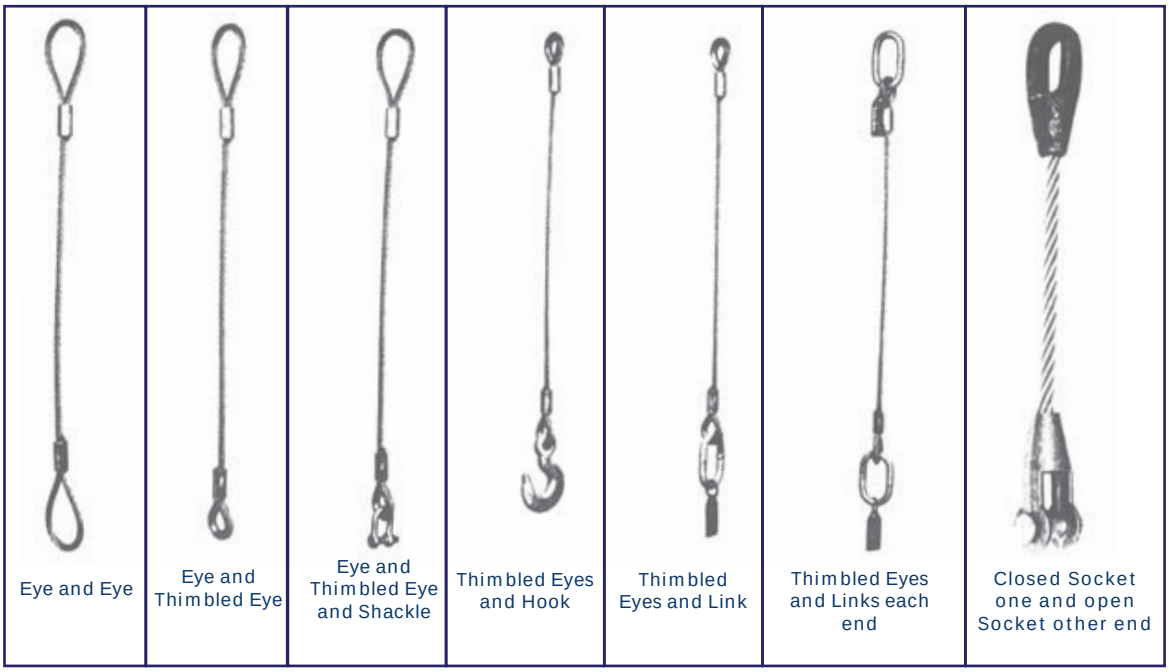
Ordering Wire Rope Slings.

When ordering wire rope slings please supply the following important information:

- Quantity
- Effective Length
- Diameter and/or capacity
- Construction of wire rope
- Type of splice
- Size of eyes and end fittings

Swaged and Fitted Slings

A range of swaged fittings are available for fitting to wire rope slings in single-leg or multi-leg applications.

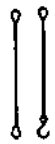
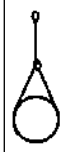
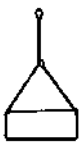
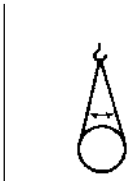
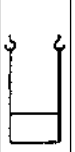


Care and Maintenance

Wire rope is tough and durable, however expendable and eventually reaches the end of its safe service life. PETROLIFToffers inspection and certification of wire rope slings to ensure any rope showing fatigue or sign of failure is removed from operation.

Wire Rope Slings Load Chart

Manufactured to AS1666 SAFETY FACTOR OF 5

METHOD D OF LOADING		IRECT LOADED	CHOKE HITCH		BASKET HITCH								DIRECT LOADED			CHOKE HITCH			
			ROUND LOAD		ROUND LOAD				OTHER THAN ROUND LOAD							ROUND LOAD		OTHER THAN ROUND LOAD	
																SINGLE W RAP	DOUBLE WRAP	SINGLE WRAP	DOUBLE WRAP
ROPE																			
NOM. DIA.	MIN. BREAKING FORCE																		
INCLUDE D ANGLE		-	-	-	0°	60°	90°	120° 0°		60°	90°	120° 0°	to60°	90°	120°	0° to 45°	0° to 60°	0° to 45°	0° to 60°
		SAFE WORKING LOADS IN TONNES																	
SAFE WORKING LOADS UNDER GENERAL USE WITH 1570 GRADE WIRE AND FIBRE CORE WITH FERRULE-SECURED EYES																			
8	28.2	0.55	0.41	0.27	1.09	0.94	0.77	0.55	0.55	0.48	0.39	0.27	0.94	0.77	0.55	0.71		0.48	
9	35.6	0.69	0.52	0.34	1.38	1.19	0.97	0.69	0.69	0.60	0.49	0.34	1.19	0.97	0.69	0.90		0.60	
10	44.0	0.85	0.64	0.43	1.70	1.47	1.20	0.85	0.85	0.74	0.61	0.43	1.47	1.20	0.85	1.11		0.74	
11	53.2	1.03	0.77	0.52	2.1	1.78	1.45	1.03	1.03	0.90	0.73	0.52	1.78	1.45	1.03	1.34		0.90	
12	63.3	1.23	0.92	0.61	2.5	2.1	1.73	1.23	1.23	1.07	0.87	0.61	2.1	1.73	1.23	1.59		1.07	
13	74.3	1.44	1.08	0.72	2.9	2.5	2.0	1.44	1.44	1.25	1.02	0.72	2.5	2.0	1.44	1.87		1.25	
14	86.2	1.67	1.25	0.83	3.3	2.9	2.4	1.67	1.67	1.45	1.19	0.83	2.9	2.4	1.67	2.2		1.45	
16	113	2.2	1.64	1.09	4.4	3.8	3.1	2.2	2.2	1.90	1.55	1.09	3.8	3.1	2.2	2. 8		1.90	
14	3	2.8	2.1	1.38	5.5	4.8	3.9	2.8	2.8	2.4	1.97	1.38	4.8	3.9	2.8	3.6		2.4	
20	176	3.4	2.6	1.70	6.8	5.9	4.8	3.4	3.4	3.0	2.4	1.70	5.9	4.8	3.4	4 .4		3.0	
22	213	4.1	3.1	2.1	8.3	7.1	5.8	4.1	4.1	3.6	2.9	2.1	7.1	5.8	4.1	5.4		3.6	
24	253	4.9	3.7	2.5	9.8	8.5	6.9	4.9	4.9	4.3	3.5	2.5	8.5	6.9	4.9	6.4		4.3	
26	297	5.8	4.3	2.9	11.5	10.0	8.1	5.8	5.8	5.0	4.1	2.9	10.0	8.1	5.8	7.5		5.0	
28	345	6.7	5.0	3.3	13.4	11.6	9.4	6.7	6.7	5.8	4.7	3.3	11.6	9.4	6.7	8.7		5.8	
32	450	8.7	6.5	4.4	17.4	15.1	12.3	8.7	8.7	7.6	6.2	4.4	15.1	12.3	8.7	11.3		7 .6	
SAFE WORKING LOADS UNDER GENERAL USE WITH 1770 GRADE WIRE AND WIRE-ROPE CORE WITH FERRULE-SECURED EYES																			
8	40.2	0.78	0.58	0.39	1.56	1.35	1.10	0.78	0.78	0.68	0.55	0.39	1.35	1.10	0.78	1.01		0.68	
9	51.1	0.99	0.74	0.49	1.98	1.71	1.40	0.99	0.99	0.86	0.70	0.49	1.71	1.40	0.99	1.29		0.86	
10	63.1	1.22	0.92	0.61	2.4	2.1	1.72	1.22	1.22	1.06	0.87	0.61	2.1	1.72	1.22	1.59		1.06	
11	76.3	1.48	1.11	0.74	3.0	2.6	2.1	1.48	1.48	1.29	1.05	0.74	2.6	2.1	1.48	1.92		1.29	
12	90.8	1.76	1.32	0.88	3.5	3.0	2.5	1.76	1.76	1.53	1.25	0.88	3.0	2.5	1.76	2.3		1.53	
13	107	2.1	1.55	1.04	4.1	3.6	2.9	2.1	2.1	1.80	1.47	1.04	3.6	2.9	2.1	2.7		1.80	
14	124	2.4	1.80	1.20	4.8	4.2	3.4	2.4	2.4	2.1	1.71	1.20	4.2	3.4	2.4	3.1		2.1	
16	161	3.1	2.3	1.56	6.2	5.4	4.4	3.1	3.1	2.7	2.2	1.56	5.4	4.4	3.1	4.1		2.7	
18	204	4.0	3.0	1.98	7.9	6.8	5.6	4.0	4.0	3.4	2.8	1.98	6.8	5.6	4.0	5.1		3.4	
20	252	4.9	3.7	2.4	9.8	8.4	6.9	4.9	4.9	4.2	3.5	2.4	8.4	6.9	4.9	6.3		4.2	
22	305	5.9	4.4	3.0	11.8	10.2	8.3	5.9	5.9	5.1	4.2	3.0	10.2	8.3	5.9	7.7		5.1	
24	363	7.0	5.3	3.5	14.1	12.2	9.9	7.0	7.0	6.1	5.0	3.5	12.2	9.9	7.0	9.1		6.1	
26	426	8.3	6.2	4.1	16.5	14.3	11.6	8.3	8.3	7.2	5.9	4.1	14.3	11.6	8.3	10.7		7 .2	
28	494	9.6	7.2	4.8	19.1	16.6	13.5	9.6	9.6	8.3	6.8	4.8	16.6	13.5	9.6	12.4		8.3	
32	646	12.5	9.4	6.3	25	22	17.6	12.5	12.5	10.9	8.9	6.3	22	17.6	12.5	16.3		10.9	
36	817	15.8	11.9	7.9	32	27	22	15.8	15.8	13.8	11.2	7.9	27	22	15.8	21		13.8	
40	1010	19.6	14.7	9.8	39	34	28	19.6	19.6	17.0	13.9	9.8	34	28	19.6	25		17.0	
44	1220	24	17.7	11.8	47	41	33	24	24	21	16.8	11.8	41	33	24	31		21	
48	1450	28	21	14.0	56	49	40	28	28	24	19.9	14.0	49	40	28	37		24	
52	1710	33	25	16.6	66	57	47	33	33	29	24	16.6	57	47	33	43		29	
56	1980	38	29	19.2	77	66	54	38	38	33	27	19.2	66	54	38	50		33	
60	2270	44	33	22	88	76	62	44	44	38	31	22	76	62	44	57		38	

Open conical socket fitted by means of white metal or synthetic resin.

Wedge socket.

Ordinary thimble fitted by means of a hand splice .

Ordinary thimble fitted by means of an aluminium ferrule.

Soft eye by means of an aluminium ferrule

GRADE 1570

SINGLE LEG								TWO, THREE & FOUR LEG						
	DIRECT LOADED	CHOKE HITCH		BASKET HITCH				DIRECT LOADED			CHOKE HITCH			
		ROUND LOAD	RECTANGULAR LOAD	ROUND LOAD		OTHER THAN ROUND LOAD					ROUND LOAD		OTHER THAN ROUND LOAD	
											SINGLE WRAP	DOUBLE WRAP	SINGLE WRAP	DOUBLE WRAP
METHOD OF LOADING														
INCLUDED ANGLE	-	-	-	60°	90°	60°	90°	0-60°	90°	120°	0-45°	0-60°	0-45°	0-60°
LOADING FACTORS	1 x 0.95	0.75 x 0.95	0.5 x 0.95	1.73 x 0.95	1.41 x 0.95	0.87 x 0.95	0.71 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95	1.30 x 0.95		0.87 x 0.95	
ROPE DIA.(mm)	FERRULE-SECURED WORKING LOAD LIMIT (WLL)													
8	0.55	0.41	0.27	0.96	0.78	0.48	0.39	0.96	0.78	0.55	0.72		0.48	
9	0.70	0.52	0.35	1.21	0.99	0.61	0.50	1.21	0.99	0.70	0.91		0.61	
10	0.86	0.65	0.43	1.50	1.22	0.75	0.61	1.50	1.22	0.86	1.13		0.75	
11	1.05	0.78	0.52	1.81	1.48	0.91	0.74	1.81	1.48	1.05	1.36		0.91	
12	1.23	0.92	0.61	2.14	1.74	1.07	0.88	2.14	1.74	1.23	1.61		1.07	
13	1.47	1.10	0.73	2.54	2.07	1.27	1.04	2.54	2.07	1.47	1.91		1.27	
14	1.70	1.27	0.85	2.94	2.40	1.48	1.21	2.94	2.40	1.70	2.21		1.48	
16	2.22	1.67	1.11	3.85	3.14	1.93	1.58	3.85	3.14	2.22	2.89		1.93	
18	2.80	2.10	1.40	4.85	3.95	2.44	1.99	4.85	3.95	2.80	3.65		2.44	
20	3.48	2.61	1.74	6.03	4.91	3.03	2.47	6.03	4.91	3.48	4.53		3.03	
22	4.20	3.15	2.10	7.27	5.92	3.65	2.98	7.27	5.92	4.20	5.46		3.65	
24	5.01	3.76	2.50	8.67	7.07	4.36	3.56	8.67	7.07	5.01	6.52		4.36	
26	5.88	4.41	2.94	10.18	8.30	5.12	4.18	10.18	8.30	5.88	7.65		5.12	
28	6.81	5.11	3.40	11.79	9.61	5.93	4.84	11.79	9.61	6.81	8.86		5.93	
32	8.90	6.68	4.45	15.41	12.56	7.75	6.32	15.41	12.56	8.90	11.58		7.75	

GRADE 1770

SINGLE LEG								TWO, THREE & FOUR LEG						
	DIRECT LOADED	CHOKE HITCH		BASKET HITCH				DIRECT LOADED			CHOKE HITCH			
		ROUND LOAD	RECTANGULAR LOAD	ROUND LOAD		OTHER THAN ROUND LOAD					ROUND LOAD		OTHER THAN ROUND LOAD	
											SINGLE WRAP	DOUBLE WRAP	SINGLE WRAP	DOUBLE WRAP
METHOD OF LOADING														
INCLUDED ANGLE	-	-	-	60°	90°	60°	90°	0-60°	90°	120°	0-45°	0-60°	0-45°	0-60°
LOADING FACTORS	1 x 0.95	0.75 x 0.95	0.5 x 0.95	1.73 x 0.95	1.41 x 0.95	0.87 x 0.95	0.71 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95	1.30 x 0.95		0.87 x 0.95	
ROPE DIA.(mm)	FERRULE-SECURED WORKING LOAD LIMIT (WLL)													
8	0.78	0.58	0.39	1.35	1.10	0.68	0.55	1.35	1.10	0.78	1.01		0.68	
9	0.99	0.74	0.49	1.71	1.40	0.86	0.70	1.71	1.40	0.99	1.29		0.86	
10	1.22	0.92	0.61	2.1	1.72	1.06	0.87	2.1	1.72	1.22	1.59		1.06	
11	1.48	1.11	0.74	2.6	2.1	1.29	1.05	2.6	2.1	1.48	1.92		1.29	
12	1.76	1.32	0.88	3.0	2.5	1.53	1.25	3.0	2.5	1.76	2.3		1.53	
13	2.1	1.55	1.04	3.6	2.9	1.80	1.47	3.6	2.9	2.1	2.7		1.80	
14	2.4	1.80	1.20	4.2	3.4	2.1	1.71	4.2	3.4	2.4	3.1		2.1	
16	3.1	2.3	1.56	5.4	4.4	2.7	2.2	5.4	4.4	3.1	4.1		2.7	
18	4.0	3.0	1.98	6.8	5.6	3.4	2.8	6.8	5.6	4.0	5.1		3.4	
20	4.9	3.7	2.4	8.4	6.9	4.2	3.5	8.4	6.9	4.9	6.3		4.2	
22	5.9	4.4	3.0	10.2	8.3	5.1	4.2	10.2	8.3	5.9	7.7		5.1	
24	7.0	5.3	3.5	12.2	9.9	6.1	5.0	12.2	9.9	7.0	9.1		6.1	
26	8.3	6.2	4.1	14.3	11.6	7.2	5.9	14.3	11.6	8.3	10.7		7.2	
28	9.6	7.2	4.8	16.6	13.5	8.3	6.8	16.6	13.5	9.6	12.4		8.3	
32	12.5	9.4	6.3	22	17.6	10.9	8.9	22	17.6	12.5	16.3		10.9	
36	15.8	11.9	7.9	27	22	13.8	11.2	27	22	15.8	21		13.8	
40	19.6	14.7	9.8	34	28	17.0	13.9	34	28	19.6	25		17.0	

GRADE 1960

SINGLE LEG								TWO, THREE & FOUR LEG						
	DIRECT LOADED	CHOKE HITCH		BASKET HITCH				DIRECT LOADED			CHOKE HITCH			
		ROUND LOAD	RECTANGULAR LOAD	ROUND LOAD		OTHER THAN ROUND LOAD					ROUND LOAD		OTHER THAN ROUND LOAD	
											SINGLE WRAP	DOUBLE WRAP	SINGLE WRAP	DOUBLE WRAP
METHOD OF LOADING														
INCLUDED ANGLE	-	-	-	60°	90°	60°	90°	0-60°	90°	120°	0-45°	0-60°	0-45°	0-60°
LOADING FACTORS	1 x 0.95	0.75 x 0.95	0.5 x 0.95	1.73 x 0.95	1.41 x 0.95	0.87 x 0.95	0.71 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95	1.30 x 0.95		0.87 x 0.95	
ROPE DIA.(mm)	FERRULE-SECURED WORKING LOAD LIMIT (WLL)													
8	0.87	0.65	0.43	1.50	1.22	0.75	0.61	1.5	1.22	0.87	1.13		0.75	
9	1.09	0.82	0.55	1.89	1.54	0.95	0.78	1.89	1.54	1.09	1.42		0.95	
10	1.35	1.01	0.68	2.34	1.91	1.18	0.96	2.34	1.91	1.35	1.76		1.18	
11	1.63	1.23	0.82	2.83	2.30	1.42	1.16	2.83	2.30	1.63	2.13		1.42	
12	1.94	1.45	0.97	3.35	2.73	1.69	1.38	3.35	2.73	1.94	2.52		1.69	
13	2.29	1.71	1.14	3.95	3.22	1.99	1.62	3.95	3.22	2.29	2.97		1.99	
14	2.65	1.99	1.33	4.59	3.74	2.31	1.88	4.59	3.74	2.65	3.45		2.31	
16	3.47	2.60	1.73	6.00	4.89	3.02	2.46	6.00	4.89	3.47	4.51		3.02	
18	4.38	3.28	2.19	7.57	6.17	3.81	3.11	7.57	6.17	4.38	5.69		3.81	
20	5.40	4.10	2.70	9.30	7.60	4.70	3.80	9.30	7.60	5.40	7.00		4.70	
22	6.50	4.90	3.30	11.30	9.20	5.70	4.60	11.30	9.20	6.50	8.50		5.70	
24	7.80	5.80	3.90	13.50	11.00	6.80	5.50	13.50	11.00	7.80	10.10		6.80	
26	9.10	6.90	4.60	15.80	12.90	8.00	6.50	15.80	12.90	9.10	11.90		8.00	
28	10.6	7.90	5.30	18.30	14.90	9.20	7.50	18.30	14.90	10.60	13.80		9.20	
32	13.8	10.40	6.90	24.00	19.50	12.00	9.80	24.00	19.50	13.80	18.00		12.00	
36	17.50	13.10	8.70	30.20	24.60	15.20	12.40	30.20	24.60	17.50	22.70		15.20	
40	21.60	16.20	10.80	37.50	30.50	18.80	15.40	37.50	30.50	21.60	28.20		22.70	