

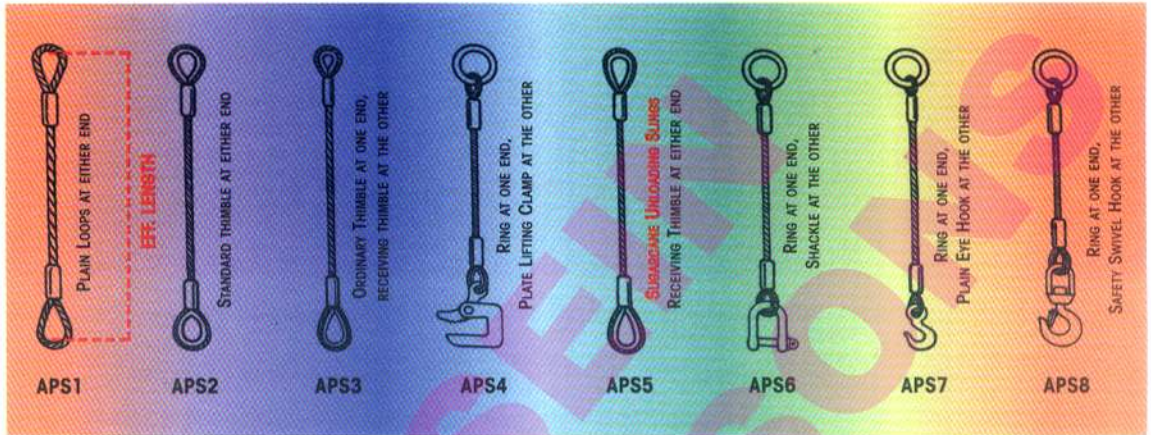
PILCO



ESTD. 1890

ABDULHUSEIN PEERBHOY & SONS

A PEERBHOY BLDG • 66-68 NARAYAN RAO KOLI MARG (BHANDARI ST.) • MUMBAI 400 003 • INDIA
TEL: 3423956, 3420014 • FACSIMILE: +91+22+3415133 • EMAIL: apeerbhoy@hotmail.com



INTRODUCTION:

The introduction of mechanical splice in India revolutionised the whole concept of splicing and replaced the centuries old hand-splicing with a fully mechanised system providing quicker, safer and a more economical method, now universal wherever wire rope is used.

NOTE:

For sling legs up to about 20mm diameter, a rope in the 6x19 Group will generally provide sufficient flexibility and will offer good wearing properties. For larger sizes one of the 6x37 Group is generally preferred on account of its increased flexibility. Ropes of 6x24 construction possess flexibility and individual wire sizes intermediate between those of 6x19 and 6x37 groups.

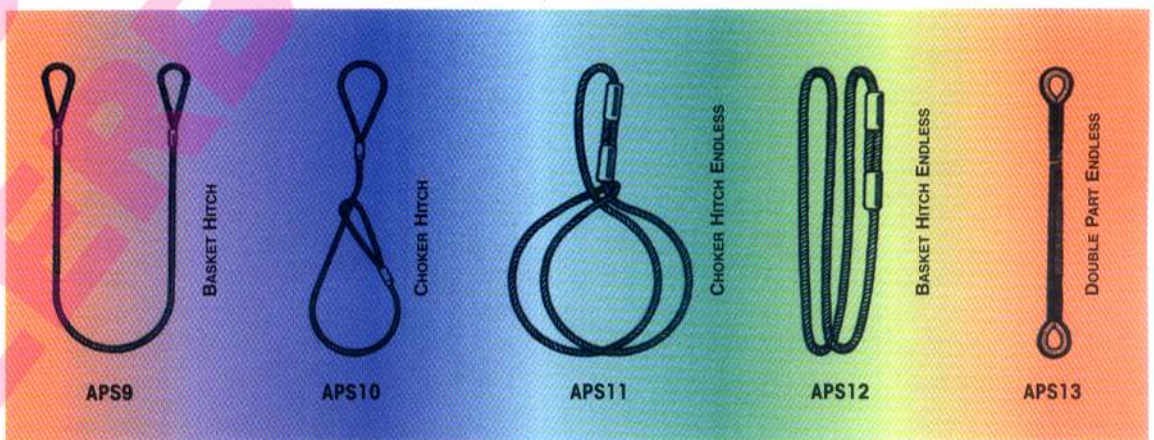
SLING:

A sling is a device, which is not a component of the lifting equipment. A sling is used for connecting the load carrying means and the load, with or without interconnecting attachments.

TERMINATIONS (END FITTINGS):

Hand Spliced or Machine swaged slings, with your choice of terminations can be manufactured and tested on our premises at short notice. All slings and assemblys permanently marked with safe working loads, proof load, based on factor of safety.

Machine Splicing: 2mm - 52 mm; Hand Splicing: 1 mm - 75mm



Methods for splicing of Wire Ropes as per IS 5245 (Part II) 1971

WIRE ROPE SLINGS WITH FERRULE SECURED EYE TERMINALS

All our products comply with ISI specifications and some are also ISO9000 approved.

We can also make to order STAINLESS STEEL & COPPER WIRE ROPES SLINGS.

Certification from our own Rigging and Gears Test Certificate or a Certificate from a Government Approved Test House can be furnished.

WIRE ROPE SLINGS

Wire Rope Slings

Slings made to order and specification contact us and our expertises will give you every assistance in getting perfect slings made.



Swage
Fittings

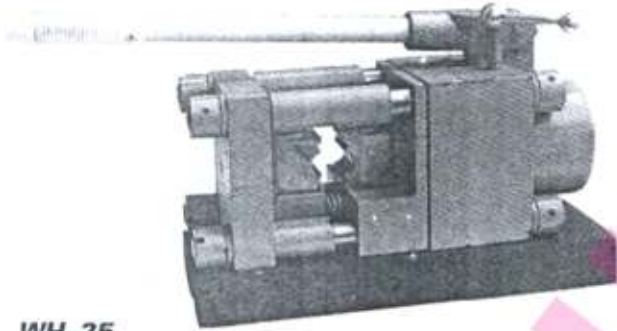
STRONG, VERSATILE SWAGE FITTINGS FOR HUNDREDS OF WIRE ROPE APPLICATIONS.

WIRE ROPE SPLICING MACHINES

*C TYPE PRESS, 2 COLUMNS TYPE PRESS,
4 COLUMNS TYPE PRESS*

All machines are equipped with automatic/manu return selection, pressure switch, foot-level switch. SAFE! EFFICIENT! DURABLE! ECONOMIC!

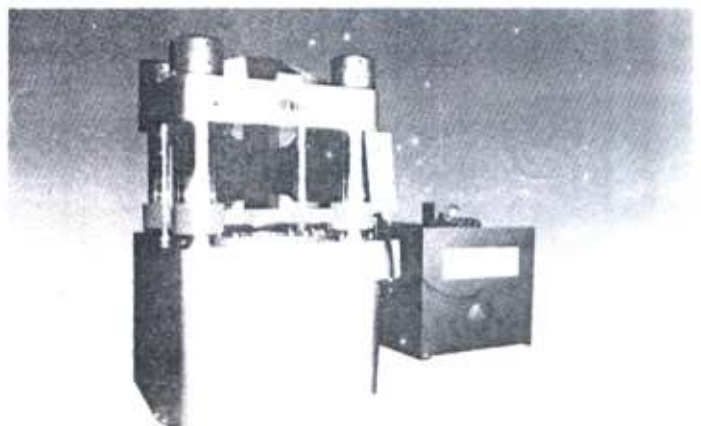
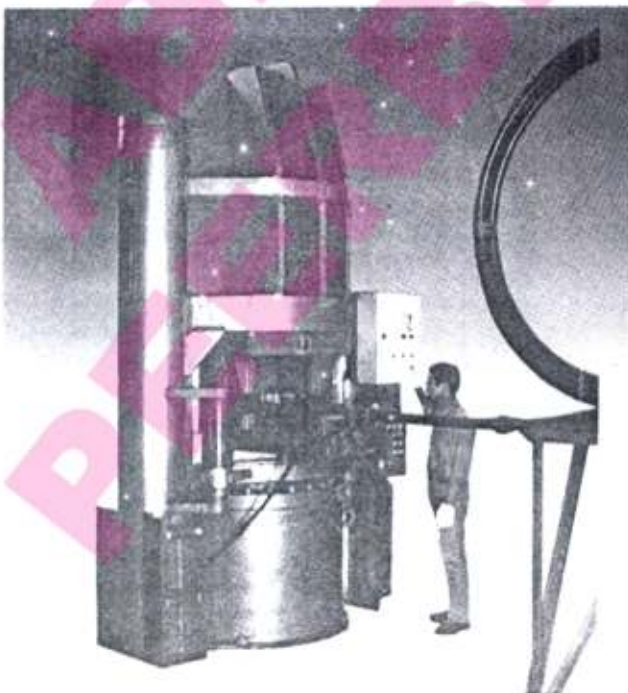
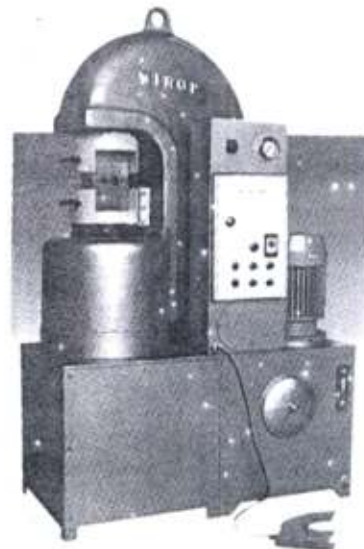
*Splicing Capacity Fore Wire Rope From 1.5m To 76mm Dia
Pressure Capacity: From 25Ton To 3000 Ton*



WH-25
HAND PRESS/25TON CAPACITY
Portable hand operating press for outdoor use.



WH-30
HAND PRESS/30TON CAPACITY



We have the right ferrule for your wire rope

We have spent decades of experience in optimizing the mechanical splicing of wire ropes. Thus we are able to offer an extensive range of ferrules for rope connections.

Our efforts are dedicated to safety in the fabrication and safety in the application of ferrules. Therefore, our ferrules are produced of course strictly of seamless material.

A wide range of materials permits a specific splicing application. By specials and extra lengths we facilitate even in complicated cases an appointing at an optimum beyond the reach of hoisting.

Z-Ferrules DIN 3093



S-Ferrules



Z-Ferrules DIN 3093 Type 'C'



Stainless Steel Ferrules



Steel Round Ferrules



Flemish Eye



Steel Ferrules



Copper Ferrules



Round Ferrules of Aluminium



THE SAFE FERRULE-
THE SAFE CONNECTION



Wire Rope Slings

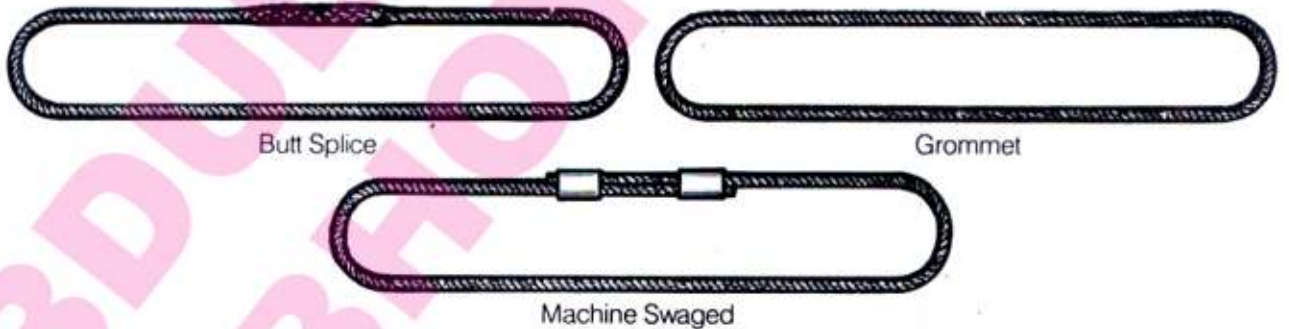
Hand spliced or machine swaged slings, with your choice of terminations, can be manufactured and tested (if required) on our premises at short notice. All slings and assemblies permanently marked with safe working loads, based on 5:1 factor of safety.

Machine Swaging: Aluminium Ferrules Sizes 2mm – 52mm. Copper Ferrules Sizes 2mm – 10mm. Steel Ferrules Sizes 9mm – 75mm. Swage Sockets Sizes 3mm – 52mm. **Hand Splicing** from 2mm – 75mm dia.

Terminations



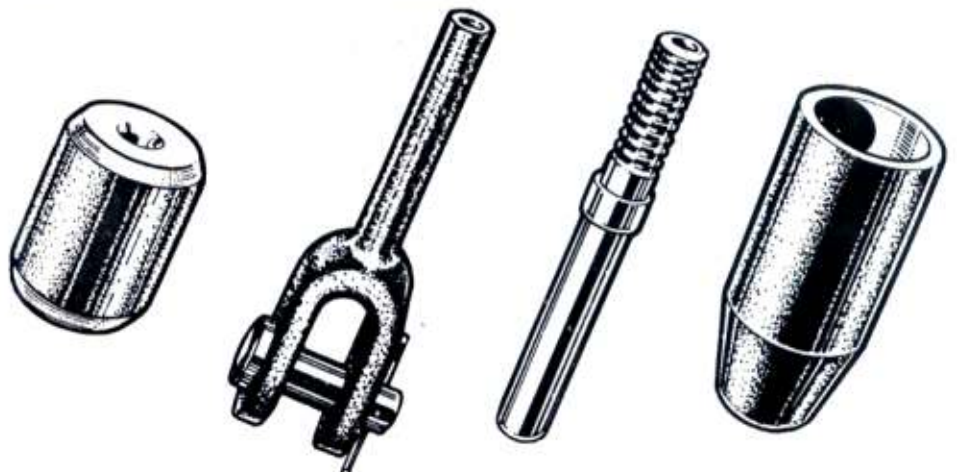
Endless Slings



Steel Swage Fittings

Our machine shop can manufacture a wide range of Ferrules, Threaded Studs, Stoppers and special connections to suit

your requirements. Swaged to any size and construction of wire rope.



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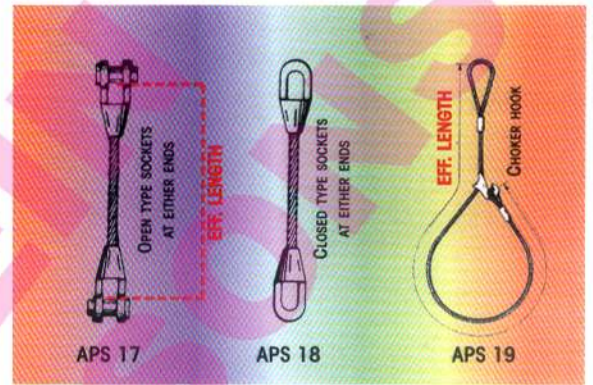
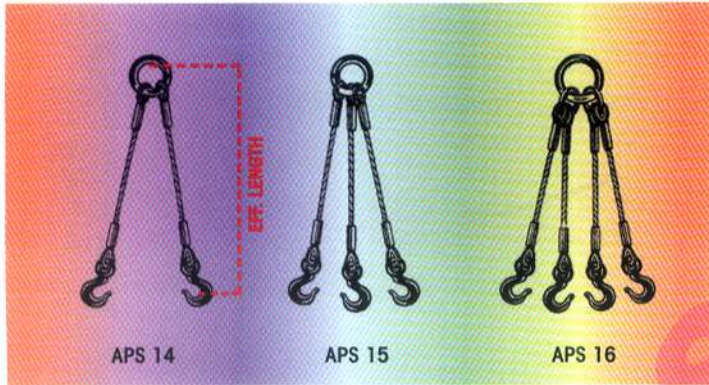


Table 1

Min. Rope Size (mm)	Permissible Working Load of One Leg Slings (kg.)	Safe Working Loads for two Leg Slings		
		30°	60°	90°
3	70	135	120	100
4	130	250	225	185
5	200	385	350	280
6	250	480	450	350
8	550	1050	950	775
9	670	1300	1150	950
10	800	1550	1400	1100
11	1000	1900	1750	1400
12	1200	2300	2100	1700
13	1400	2700	2400	2000
14	1750	3400	3000	2500
16	2000	3850	3450	2800
18	2500	4800	4300	3500
19	3000	5800	5200	4200
20	3300	6400	5760	4600
22	4000	7700	6900	5600
24	4600	8900	7900	6500
25	5000	9600	8600	7000
28	6500	12500	11200	9200
32	8000	15400	13800	11300
35	9200	17800	15900	13000
36	10400	20100	17800	14700
38	12000	23200	20800	16900
40	12700	24500	22000	17900
44	16700	32200	28900	23500
48	20000	38600	34600	28200
52	23000	44400	39600	32400

Table 2






Max. Safe Working load in Kg. for Single Part Slings

Min Rope Size (mm)	Vertical	Basket	Choker
3	70	140	50
4	130	260	100
5	200	400	150
6	250	500	190
8	550	1100	410
9	670	1340	500
10	800	1600	600
11	1000	2000	750
12	1200	2400	900
13	1400	2800	1050
14	1750	3500	1300
16	2000	4000	1500
18	2500	5000	1875
19	3000	6000	2250
20	3300	6600	2475
22	4000	8000	3000
24	4600	9200	3450
25	5000	10000	3750
28	6500	13000	4875
32	8000	16000	6000
35	9200	18400	6900
36	10400	20800	7800
38	12000	24000	9000
40	12700	25400	9625
44	16700	33400	12625
48	20000	40000	15000
52	23000	46000	17250

Safe working load shown above are approximate and can vary according to the tensile designation and the core of the wire rope used.
 Effective Length: Specify the desired length from upper bearing surface of top attachment to lower bearing surface of bottom attachment.





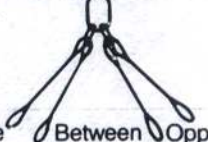
Galvanised Wire Rope Slings 1570 Grade Fibre Core

Safe Working Load in Tonnes, Safety Factor 5:1.

Wire Rope Dia. mm.	Single Leg Sling			Two Leg Sling			Four Leg Sling Flexible Load		
					Angle Between Opp Legs			Angle Between Opp Legs	
	Straight	Reeved	Basket 60°	45°	60°	90°	45°	60°	90°
6	0.32	0.24	0.55	0.59	0.55	0.45	1.1	1.1	0.90
7	0.43	0.32	0.74	0.79	0.74	0.60	1.6	1.4	1.2
8	0.57	0.42	0.98	1.0	0.98	0.80	2.1	1.9	1.6
9	0.72	0.54	1.2	1.3	1.2	1.0	2.6	2.5	2.0
10	0.89	0.67	1.5	1.6	1.5	1.2	3.3	3.0	2.5
11	1.1	0.82	1.9	2.0	1.9	1.5	4.0	3.8	3.1
12	1.3	0.96	2.2	2.4	2.2	1.8	4.8	4.5	3.6
13	1.5	1.1	2.6	2.7	2.6	2.1	5.5	5.2	4.2
14	1.7	1.2	3.0	3.1	3.0	2.4	6.3	6.0	4.8
16	2.3	1.7	4.0	4.2	4.0	3.2	8.5	8.0	6.5
18	2.9	2.1	5.0	5.3	5.0	4.0	10.7	10.0	8.2
20	3.6	2.7	6.2	6.6	6.2	5.0	13.3	12.4	10.0
22	4.3	3.2	7.4	7.9	7.4	6.0	15.9	14.8	12.1
24	5.1	3.8	8.8	9.4	8.8	7.2	18.8	17.6	14.4
26	6.0	4.5	10.3	11.1	10.3	8.4	22.2	20.7	16.9
28	7.0	5.2	12.1	12.9	12.1	9.9	25.9	24.2	19.8
32	9.1	6.8	15.7	16.8	15.7	12.8	33.6	31.4	25.7

Black Wire Rope Slings 1770 Grade Steel Core

Safe Working Load in Tonnes, Safety Factor 5:1.

Wire Rope Dia. mm.	Single Leg Sling			Two Leg Sling			Four Leg Sling Flexible Load		
					Angle Between Opp Legs			Angle Between Opp Legs	
	Straight	Reeved	Basket 60°	45°	60°	90°	45°	60°	90°
8	0.81	0.61	1.4	1.5	1.4	1.1	3.0	2.8	2.3
9	1.04	0.78	1.8	1.9	1.8	1.4	3.8	3.5	2.9
10	1.2	0.96	2.2	2.3	2.2	1.8	4.7	4.4	3.6
11	1.5	1.1	2.6	2.8	2.6	2.1	5.7	5.3	4.3
12	1.8	1.3	3.2	3.4	3.2	2.6	6.8	6.4	5.2
13	2.1	1.6	3.7	4.0	3.7	3.0	8.0	7.5	6.1
14	2.5	1.9	4.3	4.6	4.3	3.5	9.2	8.7	7.1
16	3.2	2.4	5.6	6.0	5.6	4.6	12.0	11.3	9.2
18	4.1	3.1	7.1	7.6	7.1	5.8	15.3	14.3	11.7
20	5.1	3.8	8.8	9.4	8.8	7.2	18.9	17.7	14.5
22	6.2	4.6	10.7	11.4	10.7	8.7	22.9	21.4	17.5
24	7.4	5.5	12.7	13.6	12.7	10.4	27.3	25.5	20.9
26	8.6	6.5	15.0	16.0	15.0	12.2	32.1	30.0	24.5
28	10.0	7.5	17.4	18.6	17.4	14.1	37.2	34.8	28.4
32	13.1	9.8	22.7	24.3	22.7	18.5	48.6	45.5	37.2
36	16.6	12.4	28.8	30.8	28.8	23.4	61.6	57.6	47.1
40	20.5	15.4	35.6	38.0	35.6	29.0	76.1	71.2	58.2
44	24.8	18.6	43.0	46.0	43.0	35.0	91.9	86.0	70.3
48	29.5	22.1	51.1	54.6	51.1	41.6	109.3	102.2	83.6
52	34.8	26.1	60.2	64.4	60.2	49.1	128.9	120.5	98.5