

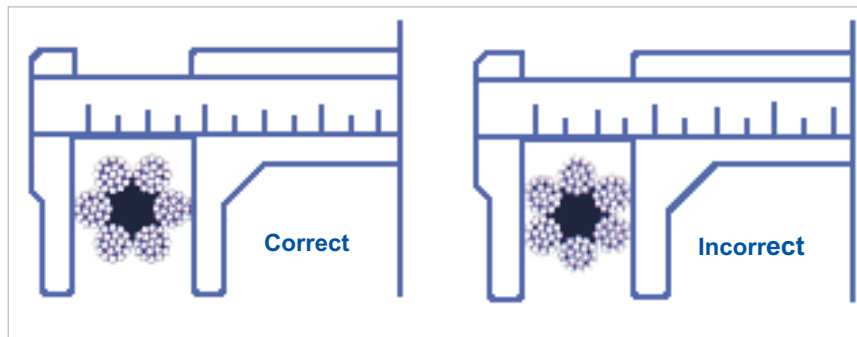
# WIRE ROPE

All wire rope is manufactured with three basic components: Wires, Strand and Core. Following is a description on the essential information required for ordering wire rope.



# DIAMETER

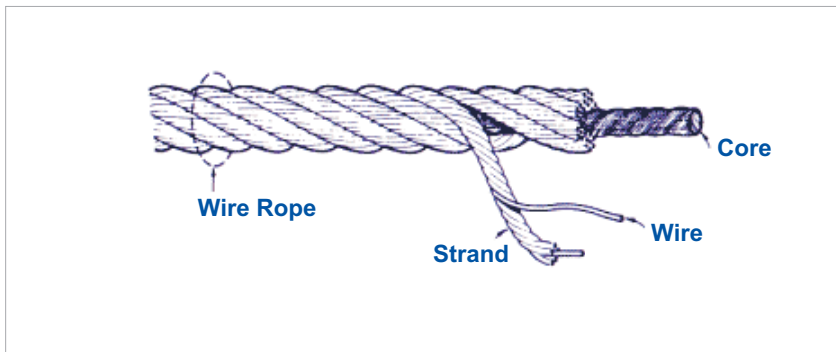
Nominal Diameter is always measured from its widest point as per diagram. The diameter of wire rope is manufactured with a tolerance of 0% to plus 5%.



# CONSTRUCTION

Wire rope is manufactured with individual wires which are helically laid together to form a strand. It is defined by the number of strands per rope, and number of wires in each strand. For instance a 6 x 26 wire rope denotes 6 stranded rope, with each strand containing 26 wires. The number of strands and wires in a wire rope will influence the flexibility of the wire rope. Generally the more wires in the rope the greater the flexibility, however the smaller the wires the less abrasion resistance.





## CORE

Wire ropes are supplied with either a fibre core or steel core. The core provides the stability to the outside strands and several different types are available:

**FIBRE CORE:** A fibre core is generally manufactured with a natural material such as Sisal, or a synthetic fibre such as polypropylene. Fibre cores are generally used for ropes where flexibility in handling is required. The fibre core is impregnated with lubricant before manufacture, it then continues as an internal lubricator during the operation of the rope. Fibre core ropes are inadequate where they are subject to crushing on small drums and sheaves.

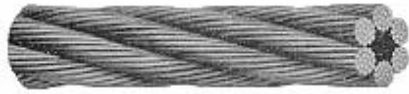


**STEEL CORE:** A steel core can be either Independent Wire Rope Core (IWRC) or Wire Strand Core (WSC). IWRC is a small independent core and is commonly manufactured from seven strands, and WSC which is occasionally used, is manufactured from either seven or nineteen wires. Steel cores are used to add strength to the rope and to provide resistance to drum crushing.

## LAY

The spirals or helical twist of the wires and strands is referred to as the lay.

**REGULAR LAY:** Is used to describe rope with wires in a strand that are laid in a direction opposite to the direction of the formed strands. Due to the shorter length of exposed outer wires a regular lay rope is less subject to failure from crushing and distortion.



**LANG LAY:** Describes ropes in which both the direction of the wires and strands are the same. A lang lay rope has greater flexibility and abrasion resistance because of the longer length of exposed outer wires. However, great care should be used when recommending and handling lang lay rope.



**RIGHT OR LEFT LAY:** Refers to the direction in which the strands twist or rotate around the wire. Ropes in a clockwise direction are right hand lay and ropes in left hand lay are laid in an anti-clockwise direction.



Right Hand Regular Lay



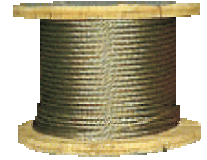
Left Hand Regular Lay



**NOTE: WIRE ROPES ARE SUPPLIED AS RIGHT HAND REGULAR LAY UNLESS OTHERWISE SPECIFIED.**

# GRADE

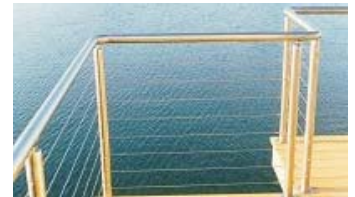
Wire rope can be supplied in several different grades. The grade of wire rope affects the ultimate breaking strength of the wire rope but will also influence the life of the rope. Common grades available are Improved Plow Steel (IPS), Extra Improved Plow Steel (EIPS) and Extra Extra Improved Plow Steel (EEIPS). EIPS is the most common manufactured and supplied grade today.



Wire ropes are now also available as Compacted or Swage ropes. The compaction of wire ropes increases the metallic area of the rope allowing for a higher breaking strength as well as improved life from increased drum and abrasion resistance. Swage ropes are designed to give superior strength and abrasion resistance and is generally suited to logging industry, and it is not normally suited to regular crane use because the rope deteriorates from the inside out.

# FINISH

Wire Ropes can be specified as either Bright, Galvanized or Stainless Steel. Most running ropes are supplied Bright finish unless a corrosive or harsh environment is present, and standing rope are usually galvanized. Stainless steel is commonly used in marine environments.



Wire ropes are lubricated at time of manufacture. The lubrication helps reduce friction between wires and strands, and the friction between the rope and drum or sheave. In addition the lubrication retards corrosion and inhibits possible rotting of the fibre core. Upon customers requests, additional lubrication can be supplied at time of order, or Wesco Industries can supply wire rope lubricant which can be applied during the life of the rope.



Wire ropes can also be supplied with plastic coatings. Plastic coatings are extruded onto a range of wire rope products, and is available in PVC or Nylon coating.

With the increase in technologies wire ropes can now be supplied with plastic layers internally. The plastic layer between the steel core and the outer strands inhibits inter strand wear, seals the lubricant inside the core, keeps water and abrasive materials from penetrating the rope and reduces the incidence of birdcaging.



## ROTATING OR ROTATION RESISTANT?

Wire rope will tend to spin or rotate under load. Therefore it is important to determine if a rotation resistant wire rope is required. Rotation resistant wire ropes are manufactured to allow the rotational force of the outer strands to partially counteract the rotational forces of the inner strands. Single part and some multi part operations must use rotation resistant wire ropes when lifting unguided loads.



## COMMON ABBREVIATIONS

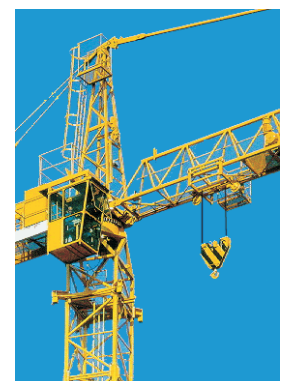
RHRL Right Hand Regular Lay  
LHRL Left Hand Regular Lay  
RHLL Right Hand Langs Lay  
LHLL Left Hand Langs Lay  
RHAL Right Hand Alternate Lay  
NR Non Rotating  
FC/HC Fibre Core/Hemp Core  
IWRC Independent Wire Rope Core  
IPS Improved Plow Steel  
EIPS Extra Improved Plow Steel  
EEIPSExtra Extra Improved Plow Steel





# GENERAL ROPE RECOMMENDATIONS

APPLICATIONS	ROPE RECOMMENDATION
<b>CRANE</b>	
<b>TOWER</b> HOIST ROPE	35 X 7
LUFF ROPE	6 X 19 CLASS, 6 X 36 CLASS, 6 X 26 COMPACTED
TROLLEY ROPE	6 X 19 CLASS, 6 X 36 CLASS, 6 X 26 COMPACTED
DERRICKING	6 X 19 CLASS, 6 X 36 CLASS, 6 X 26 COMPACTED
<b>MOBILE MAIN</b>	19 X 7, 35 X 7
AUXILIARY	19 X 7, 35 X 7
BOOM HOIST	6 X 19 CLASS, 6 X 36 CLASS
<b>OVERHEAD 1 TO 3 FALLS</b>	35 X 7
4 FALLS OR MORE	6 X 19 CLASS, 6 X 36 CLASS
EUROPEAN	8 X 19, 8 X 36 METRIC
<b>SHIP TO SHORE MAIN HOIST</b>	6 X 19 CLASS, 6 X 36 CLASS, 6 X 26 COMPACTED
BOOM HOIST	6 X 19 CLASS, 6 X 36 CLASS, 6 X 26 COMPACTED
TROLLEY	6 X 19 CLASS, 6 X 36 CLASS
GRAB CLOSING	6 X 19 CLASS, 6 X 36 CLASS, 6 X 26 COMPACTED
<b>PILING</b>	
MAIN HOIST	19 X 7, 35 X 7, 4 X 39
PILE HANDLING	6 X 19 CLASS, 6 X 36 CLASS, 6 X 26 COMPACTED
<b>LOGGING</b>	
CHOKERS	6 X 19 CLASS, 6 X 26 COMPACTED OR SWAGED
STRAW LINES	6 X 19
YARDING	6 X 26 SWAGED OR COMPACTED
<b>SLINGS</b>	
CHOKERS	6 X 19 CLASS, 6 X 36 CLASS, 7 X 7 X 7, 7 X 7 X 19
<b>SHIPPING</b>	
MOORING	6 X 24, 6 X 36 CLASS
CRANES	6 X 36 CLASS, 19 X 7, 35 X 7, 4 X 39
LASHING	6 X 12, 6 X 24
RIGGING	7 X 7, 7 X 19
<b>WINCHES</b>	
<b>GENERAL SMALL</b>	7 X 19
CONSTRUCTION	6 X 19 CLASS, 6 X 36 CLASS



# POWERSTRAND WIRE ROPE SLINGS

Wesco Industries can manufacture and supply various types of wire rope slings. The most common type of eye termination on a wire rope sling is a tapered pressed sleeve applied over a Flemish roll splice (Flemish eye). Eye terminations can also be supplied using Carbon Steel Sleeves, Aluminum Sleeves and Handspliced Eyes.



Powerstrand slings can be manufactured with or without thimbles depending on the intended use, and almost any arrangement of hooks, links or shackles can be ordered. To order Powerstrand Wire Rope Slings please specify:



1. Type,
2. Working Load Limit (weight to be lifted),
3. Diameter,
4. Construction,
5. Length,
6. Fittings.

Following Working Load Limits are calculated on the use of 6 x 19 & 6 x 36 classification Regular Right Lay Extra Improved Plow Steel with Independent Wire Rope Core using a 5:1 Safety Factor. The WLL are calculated using a Flemish Eye Splice. Slings can be supplied with a fibre core or different end terminations, however there is a reduction in the WLL.



# SINGLE LEG WIRE ROPE ASSEMBLIES



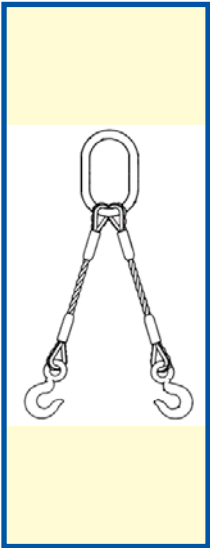
Diameter Inches	Working Load Limit in Pounds		
	Vertical	Choker	Basket
1/4	1,300	960	2,600
5/16	2,000	1,480	4,000
3/8	2,800	2,200	5,800
1/2	5,000	3,800	10,200
5/8	7,800	5,800	15,600
3/4	11,200	8,200	22,000
7/8	15,200	11,200	30,000
1	19,600	14,400	40,000
1 1/8	24,000	18,200	48,000
1 1/4	30,000	22,000	60,000
1 3/8	36,000	26,000	72,000
1 1/2	42,000	32,000	84,000
1 5/8	48,000	36,000	98,000
1 3/4	56,000	42,000	114,000
1 7/8	64,000	48,000	128,000
2	74,000	56,000	146,000

- Rated Capacities basket hitch based on D/d ratio of 25.
- Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter.
- Rated Capacities based on design factor of 5:1.
- Horizontal Sling angles less than 30 degrees shall not be used.

**WARNING: DO NOT EXCEED WORKING LOAD LIMIT**



# POWERSTRAND 2 LEG BRIDLE SLINGS

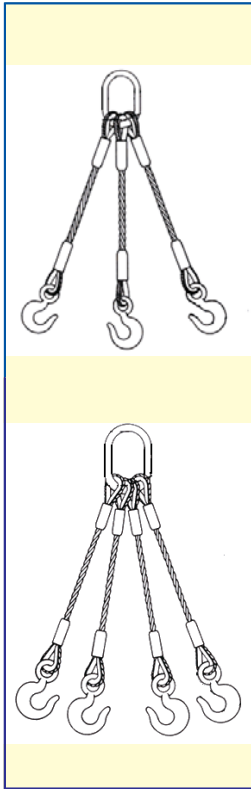


Diameter Inches	WLL 2 Leg Bridle in Pounds		
	60° to Load	45° to Load	30° to Load
1/4	2,200	1,820	1,300
5/16	3,400	2,800	2,000
3/8	5,000	4,000	2,800
1/2	8,800	7,200	5,000
5/8	13,600	11,000	7,800
3/4	19,400	15,800	11,200
7/8	26,000	22,000	15,200
1	34,000	28,000	19,600
1 1/8	42,000	34,000	24,000
1 1/4	52,000	42,000	30,000
1 3/8	62,000	50,000	36,000
1 1/2	74,000	60,000	42,000
1 5/8	84,000	70,000	48,000
1 3/4	98,000	80,000	56,000
1 7/8	112,000	92,000	64,000
2	126,000	104,000	74,000

- Rated Capacities basket hitch based on D/d ratio of 25.
- Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter.
- Rated Capacities based on design factor of 5:1.
- Horizontal Sling angles less than 30 degrees shall not be used.

**WARNING: DO NOT EXCEED WORKING LOAD LIMIT**

# POWERSTRAND 3 & 4 LEG BRIDLE SLINGS



Diameter Inches	WLL 3 & 4 Leg Bridle in Pounds		
	60° to Load	45° to Load	30° to Load
1/4	3,400	2,800	1,940
5/16	5,200	4,200	3,000
3/8	7,400	6,000	4,400
1/2	13,200	10,800	7,600
5/8	20,000	16,600	11,800
3/4	30,000	24,000	16,800
7/8	40,000	32,000	22,000
1	52,000	42,000	30,000
1 1/8	62,000	52,000	36,000
1 1/4	76,000	62,000	44,000
1 3/8	92,000	76,000	54,000
1 1/2	110,000	90,000	64,000
1 5/8	126,000	104,000	74,000
1 3/4	148,000	120,000	84,000
1 7/8	168,000	136,000	96,000
2	190,000	156,000	110,000

- Rated Capacities basket hitch based on D/d ratio of 25.
- Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter.
- Rated Capacities based on design factor of 5:1.
- Horizontal Sling angles less than 30 degrees shall not be used.

**WARNING: DO NOT EXCEED WORKING LOAD LIMIT**

# POWERSTRAND WIRE ROPE SLING DIMENSIONS

Diameter Inches	Minimum Sling Length	Standard Soft Eye in Inches	
		Length	Width
1/4	1'6"	4	2
5/16	1'8"	5	2.5
3/8	2'	6	3
1/2	2'6"	8	4
5/8	3'	10	5
3/4	3'6"	12	6
7/8	4'	14	7
1	4'6"	16	8
1 1/8	5'	18	9
1 1/4	5'6"	20	10
1 3/8	6'	22	11
1 1/2	7'	24	12
1 5/8	8'	26	13
1 3/4	8'	28	14
1 7/8	9'	30	15
2	9'	32	16

## WARNING !

Wire Rope WILL FAIL if worn-out, overloaded, misused, damaged, improperly maintained or abused.

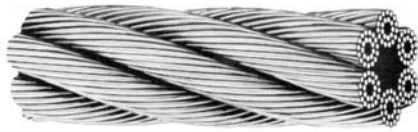
Wire Rope failure may cause serious injury or death!

Protect yourself and others:

- ALWAYS INSPECT wire rope for WEAR, DAMAGE or ABUSE BEFORE USE.
- NEVER USE Wire Rope that is WORN-OUT, DAMAGED or ABUSED.
- NEVER OVERLOAD a Wire Rope.
- INFORM YOURSELF: Read and understand manufacture's literature or "Wire Rope and Wire Rope Sling Safety Bulletin"

REFER TO APPLICABLE CODES, STANDARDS and REGULATIONS for INSPECTION REQUIREMENTS and REMOVAL CRITERIA.

# Powerstrand 6 x 24 EIPS Class Galvanized Wire Rope

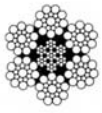


**Main Applications:** A flexible fibre core Marine Rope for Cargo Runners, Mooring, Tow Lines, Slings, Lashing and Fishing.

Diameter Inches	Stock Code	Minimum Breaking Strength - Pounds	Weight Per 100 Feet - Pounds
1/4	W62408D1	4,980	9
5/16	W62410D1	7,620	14
3/8	W62412D1	9,540	20
7/16	W62414D1	14,110	27
1/2	W62416D1	19,320	35
9/16	W62418D1	24,200	44
5/8	W62420D1	28,600	54
3/4	W62424D1	40,900	78
7/8	W62428D1	55,400	106
1	W62432D1	75,400	138
1 1/8	W62436D1	90,640	175
1 1/4	W62440D1	116,600	216



# Powerstrand 6 x 19 EIPS Classification Wire Rope



← 6 x 19 Seale RRL IWRC

6 x 26 Warrington Seale RRL IWRC →



**Main Applications:** An Independent Wire Rope Core rope which is wear and crush resistant but not very flexible, suitable for Sling Rope, Winch Lines, Boom Pendants, Boom Hoist Ropes, Suspension Cables, Fishing and Logging.

Diameter Inches	6x19 & 6x26 EIPS IWRC BLACK			6x19 & 6x26 EIPS IWRC GALVANIZED		
	Stock Code	Minimum Breaking Strength Pounds	Weight Per 100 Feet Pounds	Stock Code	Minimum Breaking Strength Pounds	Weight Per 100 Feet Pounds
1/4	W61908A1	6,880	12	W61908B1	6,190	12
5/16	W61910A1	10,540	18	W61910B1	9,480	18
3/8	W61912A1	15,100	26	W61912B1	13,590	26
7/16	W61914A1	20,400	35	W61914B1	18,360	35
1/2	W62616A1	26,600	46	W61916B1	23,940	46
9/16	W62618A1	33,600	59	W61918B1	30,240	59
5/8	W62620A1	41,200	72	W61920B1	37,080	72
11/16	W62622A1	54,800	85	W62622B1	49,394	85
3/4	W62624A1	58,800	104	W62624B1	52,920	104
13/16	W62626A1	76,100	119	W62626B1	68,554	119
7/8	W62628A1	79,600	142	W62628B1	71,640	142
15/16	W62630A1	91,500	159	W62630B1	82,350	159
1	W62632A1	103,400	185	W62632B1	93,060	185
1 1/16	W62634A1	123,800	202	W62634B1	111,507	202
1 1/8	W62636A1	130,000	234	W62636B1	117,000	234
1 1/4	W62640A1	159,800	289	W62640B1	143,820	289
1 3/8	W62644A1	192,000	350	W62644B1	172,800	350
1 1/2	W62648A1	228,000	416	W62648B1	205,200	416
1 5/8	W62652A1	264,000	488	W62652B1	237,600	488
1 3/4	W62656A1	306,000	567	W62656B1	275,400	567
1 7/8	W62660A1	348,000	650	W62660B1	313,200	650
2	W62664A1	396,000	739	W62664B1	356,400	739

\*Includes all constructions having 17 to 26 wires per strand.



# Powerstrand 6 x 19 EIPS Classification Wire Rope



← 6 x 19 Warrington Seale RRL Fibre Core

6 x 26 Warrington Seale RRL Fibre Core →



**Main Applications:** A Fibre Core rope which is wear resistant but not very flexible, suitable for Sling Rope, Winch Lines, Boom Hoist Ropes, Fishing and Marine.

Diameter Inches	6x19 & 6x26 EIPS FIBRE CORE BLACK			6x19& 6x26 EIPS FIBRE CORE GALVANIZED		
	Stock Code	Minimum Breaking Strength Pounds	Weight Per 100 Feet Pounds	Stock Code	Minimum Breaking Strength Pounds	Weight Per 100 Feet Pounds
1/4	W61908C1	6,040	11	W61908D1	5,436	11
5/16	W61910C1	9,380	16	W61910D1	8,442	16
3/8	W61912C1	13,420	24	W61912D1	12,078	24
7/16	W61914C1	18,180	32	W61914D1	16,362	32
1/2	W61916C1	23,600	42	W61916D1	21,240	42
9/16	W62618C1	29,800	53	W61918D1	26,820	53
5/8	W62620C1	36,600	66	W61920D1	32,940	66
3/4	W62624C1	52,400	95	W61924D1	47,160	95
7/8	W62628C1	70,800	129	W61928D1	63,720	129
1	W62632C1	92,000	168	W62632D1	82,800	168
1 1/8	W62636C1	115,800	213	W62636D1	104,220	213
1 1/4	W62640C1	142,000	263	W62640D1	127,800	263
1 3/8	W62644C1	170,800	318	W62644D1	153,720	318
1 1/2	W62648C1	202,000	378	W62648D1	181,800	378
1 5/8	W62652C1	236,000	444	W62652D1	212,400	444
1 3/4	W62656C1	272,000	515	W62656D1	244,800	515
1 7/8	W62660C1	310,000	591	W62660D1	279,000	591
2	W62664C1	352,000	672	W62664D1	316,800	672

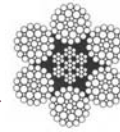
\*Includes all constructions having 17 to 26 wires per strand.

# Powerstrand 6 x 36 EIPS Classification Wire Rope



← 6 x 36 Seale Filler Wire RRL IWRC

6 x 41 Seale Filler Wire RRL IWRC →



**Main Applications:** An Independent Wire Rope Core rope which is flexible, but not as crush resistant as 6 x 19. Suitable for Winch Lines, Boom Hoist Ropes, Auxiliary Ropes, Overhead Crane Ropes, Sling Rope, Piling, Mooring, Towing and Slipways.

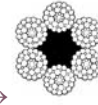
Diameter Inches	6x36 & 6x41 EIPS CLASS IWRC BLACK			6x36 & 6x41 EIPS IWRC GALVANIZED		
	Stock Code	Minimum Breaking Strength Pounds	Weight Per 100 Feet Pounds	Stock Code	Minimum Breaking Strength Pounds	Weight Per 100 Feet Pounds
1/4	W63608A1	6,880	12	W63608B1	6,190	12
5/16	W63610A1	10,540	18	W63610B1	9,486	18
3/8	W63612A1	15,100	26	W63612B1	13,590	26
7/16	W63614A1	20,400	35	W63614B1	18,360	35
1/2	W63616A1	26,600	46	W63616B1	23,940	46
9/16	W63618A1	33,600	59	W63618B1	30,240	59
5/8	W63620A1	41,200	72	W63620B1	37,080	72
3/4	W63624A1	58,800	104	W63624B1	52,920	104
7/8	W63628A1	79,600	142	W63628B1	71,640	142
1	W63632A1	103,400	185	W63632B1	93,060	185
1 1/8	W63636A1	130,000	234	W63636B1	117,000	234
1 1/4	W63640A1	159,800	289	W63640B1	143,800	289
1 3/8	W63644A1	192,000	350	W63644B1	172,800	350
1 1/2	W63648A1	228,000	416	W63648B1	205,200	416
1 5/8	W63652A1	264,000	488	W63652B1	237,600	488
1 3/4	W64156A1	306,000	567	W64156B1	275,400	567
1 7/8	W64160A1	348,000	650	W64160B1	313,200	650
2	W64164A1	396,000	739	W64164B1	356,400	739

\*Includes all constructions having 27 to 49 wires per strand.

# Powerstrand 6 x 36 EIPS Classification Wire Rope



← 6 x 36 Warrington Seale RRL  
Fibre Core



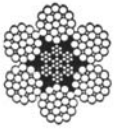
6 x 41 Seale Filler Wire RRL →  
Fibre Core

**Main Applications:** A Fibre Core Rope which is flexible but not as crush resistant as 6 x 19. Suitable for Sling Rope, Auxiliary Ropes, Overhead Crane Rope, Towing and Fishing.

Diameter Inches	6x36 & 6x41 EIPS FIBRE CORE BLACK			6x36& 6x41 EIPS FIBRE CORE GALVANIZED		
	Stock Code	Minimum Breaking Strength Pounds	Weight Per 100 Feet Pounds	Stock Code	Minimum Breaking Strength Pounds	Weight Per 100 Feet Pounds
1/4	W63608C1	6,040	11	W63608D1	5,436	11
5/16	W63610C1	9,380	16	W63610D1	8,442	16
3/8	W63612C1	13,420	24	W63612D1	12,078	24
7/16	W63614C1	18,180	32	W63614D1	16,362	32
1/2	W63616C1	23,600	42	W63616D1	21,240	42
9/16	W63618C1	29,800	53	W63618D1	26,820	53
5/8	W63620C1	36,600	66	W63620D1	32,940	66
3/4	W63624C1	52,400	95	W63624D1	47,160	95
7/8	W63628C1	70,800	129	W63628D1	63,720	129
1	W63632C1	92,000	168	W63632D1	82,800	168
1 1/8	W63636C1	115,800	213	W63636D1	104,220	213
1 1/4	W63640C1	142,000	263	W63640D1	127,800	263
1 3/8	W63644C1	170,800	318	W63644D1	153,720	318
1 1/2	W63648C1	202,000	378	W63648D1	181,800	378
1 5/8	W63652C1	236,000	444	W63652D1	212,400	444
1 3/4	W63656C1	272,000	515	W63656D1	244,800	515
1 7/8	W63660C1	310,000	591	W63660D1	279,000	591
2	W63664C1	352,000	672	W63664D1	316,800	672

\*Includes all constructions having 27 to 49 wires per strand.

# Powerstrand 6 x 19 Stainless Steel Type 304 Wire Rope



**Main Applications:** A Wire Core Rope which is wear resistant but not very flexible, suitable for Fishing and Marine Industries as Anchor lines, Winch Lines and Slings.

Diameter Inches	Stock Code	Minimum Breaking Strength - Pounds	Weight Per 100 Feet - Pounds
7/16	W61914S1	16,300	35
1/2	W61916S1	22,800	46
9/16	W61918S1	28,500	59
5/8	W61920S1	35,000	72
3/4	W61924S1	49,600	104



# Powerstrand 6 x 36 Metric Wire Rope



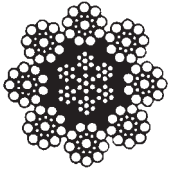
6 x 36 Seale Filler Wire RRL IWRC

**Main Applications:** Metric 6 Strand Wire Rope intended for use mainly with European Overhead Cranes and ship deck cranes.

Diameter Millimeter	Stock Code	Minimum Breaking Strength - Pounds	Weight Per 100 Feet - Pounds
10	W63612AM	15,200	27
28	W63636BM*	122,920	234

\* Stocked in Galvanized Left & Right Hand Regular Lay.

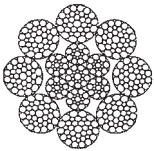
# Powerstrand 8 x 19 Metric Wire Rope



**Main Applications:** Metric 8 Strand Wire Rope is intended for use mainly with European Overhead Cranes. Powerstrand 8 Strand Wire Rope is **NOT** Rotation Resistant and should **NOT** be attached to a swivel.

Diameter Millimeter	Stock Code	Minimum Breaking Strength - Pounds	Weight Per 100 Feet - Pounds
9	W81910AM	11,900	17

# Powerstrand 8 x 36 Metric Wire Rope



**Main Applications:** Metric 8 Strand Wire Rope is intended for use mainly with European Overhead Cranes. Powerstrand 8 Strand Wire Rope is **NOT** Rotation Resistant and should **NOT** be attached to a swivel.

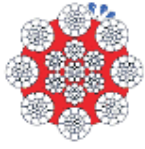
Diameter Millimeter	Stock Code	Minimum Breaking Strength - Pounds	Weight Per 100 Feet - Pounds
11	W83614AM	17,550	36
13	W83616AM	24,300	50
16	W83620AM	36,200	74





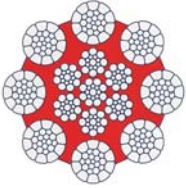


# Casar 8 Strand Plastic Wire Rope



Ropes with plastic layer are manufactured by taking an independent wire rope core that has been thoroughly lubricated and coating it with a plastic layer over which the outer strands are laid. The plastic layer has many benefits including removes the incidence of birdcaging, prevents strand to strand contact, seals the lubricant inside the core and keeps water and abrasive elements out.

## Casar Turboplast 1960



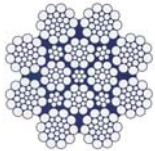
Is a an eight strand rope made out of compacted outer strands and is fully lubricated. It has a plastic layer between the steel core and outer strands. It has a high breaking load and very good resistance against drum crushing.  
**Main Applications:** Overhead Crane, Container Crane, Tower Crane Trolley Ropes, Boom Hoist Rope, Lattice Boom Crane Ropes, Gantry Crane, Clam Shell Ropes and Saw Mill Carriage Ropes.

Diameter Millimeter	Stock Code	Minimum Breaking Strength - TONS	Weight Per 100 Feet - Pounds
22	GTURB28AM	47.63	146.1
26	GTURB32AM	67.04	205.7
28	GTURB36AM	76.91	236.0
32	GTURB40AM	99.18	304.3

- A large range of diameters and Imperial rope also available. Please check for availability.



# Casar Alphalift Wire Rope



Is an 8 strand rope in parallel lay construction manufactured with conventional strands. The rope is fully lubricated, very flexible and has a high breaking load.  
**Main Applications:** Commonly used as a hoist rope for overhead cranes and lifting devices with multiple reeving.

Diameter Millimeter	Stock Code	Minimum Breaking Strength - TONS	Weight Per 100 Feet - Pounds
6.5mm	GALPH08A1M	4.00	12.6
8mm (5/16")	GALPH10A1M	6.18	19.5
8.5mm	GALPH11A1M	6.92	21.8
9mm	GALPH12A1M	7.84	24.7
12mm	GALPH15A1M	15.27	44.8

- A large range of diameters and Imperial rope also available. Please check for availability.