

# UNION GLADIATOR MINING SOLUTIONS



Complete steel wire and synthetic fiber solutions for increased mining productivity.

## GLADIATOR CABLE™ SYNTHETIC MAIN BOOM PENDANT

### OVERVIEW

- 3-4 times the service life of wire rope or strand.
- Lighter, easier to handle during installation.
- ARMOR-KOTE™ rope coating for increased durability and UV protection.
- Can be tensioned to the same loads as the pendants being replaced.
- New Patent Pending Union Uni-Hatch™ Inspection Port: Tool-less inspectability – opens without the need for tools during routine inspections.
- Eco-friendly. The main boom pendant ropes are fully recyclable. The Aramid fibers can be re-used in various applications such as in the production of car and truck tires.

### APPLICATIONS

Mines are one of the most punishing environments on ropes and pendants. To transmit raw power into cubic yards moved, the entire rope system must be rugged and reliable. WireCo ropes have consistently delivered outstanding performance for mid-boom pendants, hoist ropes, towing lines, and haul truck safety tiebacks.

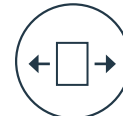
Utilizing the experience in this space and building on the decades of experience of these products WireCo is introducing the UNION GLADIATOR MINING SOLUTIONS line for all your mission critical structural needs, especially for hoisting and main boom and mid-boom systems on shovel and dragline machines.



### FEATURES



Maintenance-Free



Withstands tension  
- tension fatigue



Customizable

## GLADIATOR CABLE™ SYNTHETIC MAIN BOOM PENDANT

PART #	THEORETICAL DIAM. IN.	LOAD AREA IN <sup>2</sup>	EQUIV. STEEL DIAM. IN.	RATED BREAKING FORCE LB	JACKETED ROPE WEIGHT LB/FT	STANDARD SOCKET SIZE
Gladiator 310	2.93	4.08	2 1/4	620,000	2.92	OSS 135
Gladiator 327	3.01	4.38	2 5/16	654,000	3.92	OSS 138
Gladiator 344	3.09	4.69	2 3/8	688,000	4.21	OSS 138
Gladiator 360	3.15	4.91	2 7/16	720,000	4.36	OSS 138
Gladiator 376	3.21	5.14	2 1/2	752,000	4.52	OSS 140
Gladiator 392	3.28	5.44	2 9/16	784,000	4.81	OSS 140
Gladiator 417	3.37	5.82	2 5/8	834,000	5.06	OSS 140
Gladiator 432	3.42	6.05	2 11/16	864,000	5.22	OSS 142
Gladiator 452	3.49	6.35	2 3/4	904,000	5.51	OSS 142
Gladiator 494	3.64	7.03	2 7/8	988,00	5.97	OSS 144
Gladiator 538	3.78	7.71	3	1,076,000	6.52	OSS 144
Gladiator 584	3.92	8.39	3 1/8	1,168,000	7.06	OSS 146
Gladiator 625	4.05	9.07	3 1/4	1,250,000	7.51	OSS 146
Gladiator 673	4.17	9.75	3 3/8	1,346,00	8.06	OSS 146
Gladiator 724	4.31	10.51	3 1/2	1,488,00	8.66	OSS 150
Gladiator 768	4.41	11.11	3 5/8	1,536,00	9.15	OSS 150
Gladiator 822	4.54	11.87	3 3/4	1,644,00	9.66	OSS 150
Gladiator 878	4.66	12.62	3 7/8	1,756,00	10.25	OSS 150
Gladiator 925	4.77	13.30	4	1,850,00	10.80	OSS 155

List of standard sizes, larger and custom sizes are possible on request

# ARA-BOOM SYNTHETIC MID-BOOM PENDANT

## OVERVIEW

- WireCo has been using Aramid based structural cables for decades with field results to show for it.
- ARMOR-KOTE™ rope coating for increased durability and UV protection.
- 134 Mid-Boom sets installed since 1991.
- 50% of Sales to top producing mines and OEM's.
- Mid-Boom Pendants installed and operating in USA, Canada and Australia.
- Eco-friendly. The mid-boom pendant ropes are fully recyclable. The Aramid fibers can be re-used in various applications such as in the production of car and truck tires.

## APPLICATIONS

Mining is one of the most grueling environments on ropes and pendants. In order to transmit raw power into cubic yards moved, your entire rope system must be rugged, reliable and designed to fit your job. Union ARA-BOOM aramid fiber mid-boom pendants have demonstrated 3 to 4 times the life expectancy of wire rope or strand used as mid-boom pendants on Bucyrus/Marion style draglines due to their improved resistance to tension-tension fatigue.

When shipped, Union mid-boom assemblies include bend restrictors to protect the assemblies during installation.



## BENEFITS



Decreased Creep



Increased Life



Increased Dampening

## ARA-BOOM SYNTHETIC MID-BOOM PENDANT

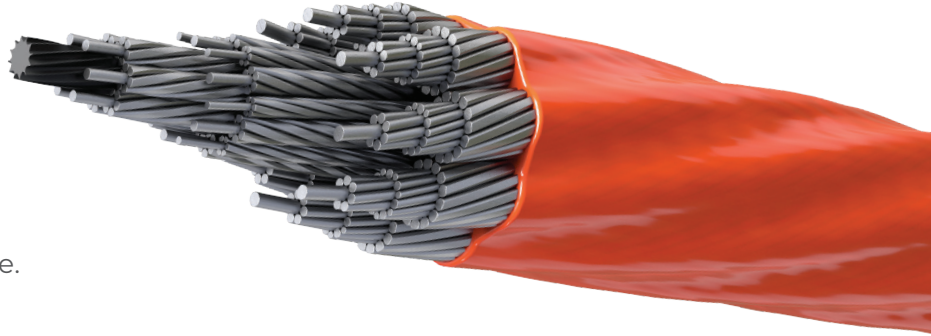
PART #	THEORETICAL DIAM. IN.	LOAD AREA IN <sup>2</sup>	EQUIV. STEEL DIAM. IN.	RATED BREAKING FORCE LB	JACKETED ROPE WEIGHT LB/FT	STANDARD SOCKET SIZE
ARA-BOOM 245	2.61	3.02	2	490,000	2.82	OSS 132
ARA-BOOM 310	2.93	4.08	2 1/4	620,000	3.72	OSS 135
ARA-BOOM 376	3.21	5.14	2 1/2	752,000	4.52	OSS 140
ARA-BOOM 452	3.49	6.35	2 3/4	904,000	5.51	OSS 142
ARA-BOOM 538	3.78	7.71	3	1,076,000	6.52	OSS 144
ARA-BOOM 625	4.05	9.07	3 1/4	1,250,000	7.51	OSS 146

List of standard sizes, larger and custom sizes are possible on request

# GLADIATOR HOIST ROPE

## OVERVIEW

- More fatigue resistant than standard ropes.
- PFV® polymer cushions the strands and distributes internal stresses.
- Proprietary 8-strand construction.
- Coated to help prevent drum corrugation.
- PFV retains lubrication for the life of the rope.
- Special packaging options for easier transportation and installation.



## APPLICATIONS

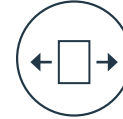
Shovel ropes are subjected to harsh and abrasive conditions. WireCo produces Union brand ropes that are designed to withstand the toughest mining digging conditions and cold climates.

With a global manufacturing and distribution base, along with our unmatched technical support, we will help you extend your rope's service life and increase your shovel's performance.

## BENEFITS



Highest Minimum Breaking Force\*



Fatigue Resistant



PFV

*\*compared to our other TUF-MAX products*

## GLADIATOR HOIST ROPE

DIAMETER (IN)	APPROX. WEIGHT (LB/FT)	MINIMUM BREAKING FORCE (TONS OF 2000 LB)
2 3/8	11.3	296
2 3/4	14.8	400
2 7/8	16.2	431



**UNION GLADIATOR  
MINING SOLUTIONS**

WireCo Product Overview



**GLADIATOR  
MINING SOLUTIONS**

**FOR MORE INFORMATION, VISIT  
[WWW.GLADIATORMINING.COM](http://WWW.GLADIATORMINING.COM)**



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