

H MADE TO HANDLE THE BIGGEST JOBS H

CAT® WIRE ROPES FOR SHOVELS AND DRAGLINES







HOIST, RETRACT & CROWD WIRE ROPE

Features	Benefits
Plastic impregnation: Durable plastic encapsulated within core of rope	Reduces steel-to-steel contact Reduces abrasion Increases rope life
External plastic coating on ERS wire rope	Cushions contact between ropes and drum/sheave Traps lubrication and minimizes steel-to-steel contact Reduces drum and sheave wear (lowering machine maintenance costs) Greater corrosion protection (longer wire rope service life)
Compacted outer strands: The process of modifying the shape and dimension of the strand while maintaining the metallic cross-sectional area	High breaking loads at similar diameter Higher wear resistance Reduced stress

TRIP ROPE

Features	Benefits
Flexible construction	Less subject to bending fatigue
End fittings as required to suit individual serial number (cut to length or delivered as finish)	Ready to install
Extra-improved plowed steel	Improved rope life High strength

SUSPENSION ROPES

Features	Benefits
Galvanized structural strand	Higher strength prevents corrosion
Pre-stretched	Removal of constructional stretch under tension
Lube fitting	Included in each socket to improve serviceability
Line marking	Ensures no entangling during assembly



SHOVEL ROPES

CROWD/RETRACT

Machine(s)	Diameter		Length (w/ fittings)		Part Number	
7495	2.5"	63.5mm	163'6"	49.83m	458-8794*	458-8795**
7495HD	2.5"	63.5mm	163'6"	49.83m	458-8794*	458-8795**

*Right Lang Lay **High Impact Right Lang Lay

ELECTRIC ROPE SHOVELS



HOIST

Machine(s)	Diameter		Length (w/ fittings)		Notes	Part Number	
7495	2.75"	70mm	346'11"	106.05m	For use with internal anchor drum	463-5683*	472-5387**
7495	2.75"	70mm	346'11"	106.05m	For use with internal anchor drum	463-5685*	463-5689**
7495	2.75"	70mm	346'11"	106.05m	For use with internal anchor drum; Skived ends	463-3346*	474-0038**
7495HD	2.625"	67mm	346'11"	106.05m	For use with internal anchor drum	513-6295*	472-5397**

*Right Lang Lay **High Impact Right Lang Lay

SUSPENSION STRANDS

Machine(s)	Diameter		Length (w/ fittings)		Notes	Part Number
7495/7495HD/7495HF	3.25"	82.6mm	62'7.5"	19.09m	110 ton and less dipper payload	487-0049*
7495/7495HD/7495HF	3.625"	92.1mm	62'7.5"	19.09m	120 ton dipper payload	521-4811*

*Right Regular Lay



DIPPER TRIP

Machine(s)	Diameter		Length (w/ fittings)		Notes	Part Number	
7495	.75"	19mm	88'	26.82m	Two-part or LatchFree; Ferrule and welded ends	458-8801*	TBD
7495	.75"	19mm	84'3"	25.68m	Single-part; Ferrule and loop ends	458-8800*	TBD
7495/7495HF	.75"	19mm	75'	22.86m	Single-part; Ferrule and loop ends	458-8799*	TBD
7495HD	.625"	16mm	100'	30.48m	Welded ends	458-8798*	TBD
7495HD	.625"	16mm	85'	25.91m	Welded ends	N/A	492-9908**

*Right Regular Lay **Plastic-Coated Right Regular Lay



TECHNICAL INFORMATION

HOIST, CROWD & RETRACT ROPE SPECIFICATIONS					
Rope Diameter		Weight Approx.		Minimum Breaking Force	
2.875"	73mm	15.8 lb/ft	23.5 kg/m	418 tons	379 tonnes
2.75"	70mm	14.5 lb/ft	21.5 kg/m	385 tons	349 tonnes
2.625"	67mm	13.3 lb/ft	19.7 kg/m	353 tons	320 tonnes
2.5"	64mm	12.0 lb/ft	17.9 kg/m	321 tons	291 tonnes
2.375"	60mm	10.8 lb/ft	16.1 kg/m	290 tons	263 tonnes

THE IMPORTANCE OF WIRE ROPE MAINTENANCE

It's critical for the operator to inspect and maintain the ropes (along with the drums and sheaves) and replace them when they are worn. Deteriorating rope could result in a falling dipper, which could cause damage to loading trucks, hoppers and other equipment.

QUICK MAINTENANCE TIPS

- 1 Always check the diameter of the delivered rope before installation to ensure it meets the specific requirements of your equipment
- 2 Store wire rope in a well-ventilated environment with a stable temperature and not in direct contact with the ground
- 3 When reeling, it is best for the rope to travel from the top of the reel to the top of the drum



**MAIN
SUSPENSION
CABLES**

**INTERMEDIATE
SUSPENSION
CABLES**

**HOIST
ROPES**

**DUMP
ROPES**

**DRAG
ROPES**





PREMIUM HOIST ROPE

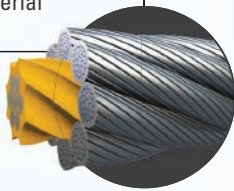
Features

Compacted outer strands

Superior wear resistance

Increased bend fatigue life

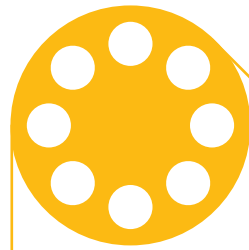
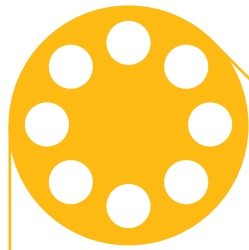
Unique-shaped IWRC:
Supports outer strands
Maintains strand clearance and rope lay length
Protects inside from abrasive material
Avoids fretting



**BACK LEG
SAFETY CABLES**

DRAGLINE ROPES





CAT DEALERS ARE THE GOLD STANDARD FOR SERVICE AND SUPPORT

With the right parts and service solutions when and where you need them, your Cat® dealer knows how to keep your Cat equipment up and running. That's because no one knows more about your Cat equipment than your dealer. With proper inspection and maintenance, they can help you evaluate your entire system and suggest ways to optimize rope life and get the most out of your investment. **Contact your Cat dealer to learn more.**

