



Rope and Assemblies Division Capabilities Guide

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ABOUT US

With 12 locations across 3 countries and a dedicated team of over 750 employees, Central Wire Group of Companies has been setting the standard in specialty alloy manufacturing for over 60 years. Specializing in high-quality wire, wire rope, cable assemblies, and more, CWI confidently serves a range of industries, including mission-critical sectors. Our commitment to quality, innovation, and eco-friendly practices drives us to invest in our people and expand into new markets, continually striving for operational excellence and making a significant impact on the industries we serve.



TRUSTED PARTNERS



MILITARY & INDUSTRIAL SPECIFICATIONS

MIL-DTL-83420	MIL-DTL-5688	DMS 1989	BS24917
MIL-DTL-87161	MIL-W-12567	DMS 2220	CM3862
MIL-DTL-18375	MIL-W-18242	BMS7-265	GL505H
MIL-DTL-87218	MIL-W-21632	ASTM A1023	PS60043
MIL-DTL-83140	DMS 2187	ASTM A475	ISO 2020
MIL-DTL-781	DMS 2192	ASTM A313	BS 2W 12:1989
MIL-DTL-8878	DMS 2453	P100	RR-W-410
MIL-DTL-5765	DMS 2454	P101	CMMMP007
MIL-DTL-6117	DMS 2114	BAMS 511-001	

MILITARY SPECIFICATION WIRE ROPE TERMINALS

Fork ends (MS21252C, NAS1435-K, MS20667)
Ball ends (MS20663, MS20664, BA3)
Eye ends (MS20668, MS21254C, MS21255C, EY1X, NAS1435-E)
Wire Rope Clips
Oval Sleeves (MS51844)
Thimbles

Studs (MS21259, MS21260, AN666)
Stop Sleeves
Turnbuckles (MS21251, MS21256)
Cable bushings
Clevis pins
Cotter pins
Locking stud (MS21260 | AN669 | NAS650)

NAS STANDARD HARDWARE

Ball end fitting (NAS494)
Strap fork (NAS1435-K)
Strap eye (NAS1435-E)
Stop sleeve
AN100 thimble
Marine eye end

NAS SERIES BUSHINGS:

NAS75 Series (Steel Bushings)
NAS77 Series (Alloy Steel Cadmium Plating)
NAS77A
NAS76 Series (Aluminum Bronze Bushings)
Boeing Standard Bushings
NAS72
NAS537
NAS538



WIRE ROPE, CABLE & STRAND

WIRE ROPE

Stainless & Nickel

302/304, 305, 316, 2205, Monel, Inconel, & More
IWRC, Fiber Core, Strand Core

Carbon Steel

Galvanized or Bright
IPS, EIPS, EEIPS
IWRC, Fiber Core, Strand Core

Non-Ferrous

Phos Bronze, Tin Coated Phos Bronze, & More
IWRC, Fiber Core, Strand Core

CABLE & SPECIALTY CABLE

Medical Strand
Medical Cable
Elasticore® – Extrusion Core Wire
Exerflex Pro® – Fitness Cable
Reflexlite® – Retroreflective coating
Kobra Koil® – Coiled Cable bare or Coated

DOMESTIC AIRCRAFT CABLE

Mil Spec Non-Rotating Mil DTL 83140

Galvanized
Stainless

Mil Spec Mil DTL 83420

Galvanized
Stainless

Seizing Strand

Lock Wire MS20995

PLASTIC COATINGS

Nylon
Food Grade Nylon
Vinyl
Polyethylene
Polypropylene
TPC-ET

PROCESSES & CERTIFICATIONS

PROCESSES

Turning
Drilling
Tapping
Thread rolling
Broaching
Milling
Lathing
Grinding
Power coating

CERTIFICATIONS

AS 9100
USA QPD
NAS Part Standards
ISO 9001:2015
AS9100 Rev D
ISO 13485: 2016

MATERIAL PROCESSING CAPABILITIES:

ASTM-E-1417
Heat treat
Plating
Passivation per ASTM A967 Standard
Tolerancing to ± 0.0001 "
Measurement Resolution of .000001
Florescent Penetrant Inspection



MECHANICAL & CABLE ASSEMBLIES

AIRCRAFT CONTROL & MILITARY ASSEMBLIES

C-130 B-H Certified Parts Under License
Lock-Clad Cable Assemblies
AOG Emergency Orders
1x7 Nylon Coated STainless Steel Cable Type 302/304

COMMERCIAL CABLE ASSEMBLIES

MEDICAL CABLE ASSEMBLIES

MECHANICAL CABLE ASSEMBLIES

Eye-Eye Galvanized Lanyard
Eye-Eye Stainless Lanyard
Loop-Loop Stainless Lanyard
Loop-Eye Galvanized Lanyard
Loop-Eye Stainless Lanyard
Loop-Loop Galvanized Lanyard
Loop-Loop Stainless Lanyard
Loop-Loop-Tab Galvanized Lanyard
Loop-Loop-Tab Stainless Lanyard



FITTINGS, HARDWARE & TERMINALS

MS Hardware
NAS Hardware
Fork Ends
Eye Ends
Studs
Ball Ends
Oval Sleeves
Stop Sleeves
Carbon and Stainless Steel Thimbles
Turnbuckles
Wire Rope Clips
Compression Sleeves
Stamped Eye Terminals
Stops
Plain Ball Ends
Single Shank Ball Ends
Standard Carbon Steel Thimbles
AN100 Thimbles
Threaded Terminal Studs
Malleable Rope Clips
Aerospace Bushings



SPECIALTY PRODUCTS

- Armor wrapped cable
- Mooring and oceanographic cable
- Hide wire
- Conveyor Cable
- Marine and rigging cable
- Well screen wire
- Well measuring line
- Safety lock wire
- Knitting wire
- Weaving wire
- Lashing wire
- Spring wire



SEISMIC BRACING:

- Seismic Bracing Cable
- Seismic Bracings Hardware
- Seismic Bracing Kits (2-way & 4-way)

TOOLS:

- Locoloc® Handswaging Tools
- Locoloc® Battery Swaging Tools
- FELCO Cable Cutters
- Battery-Powered Cable Cutters
- Hydraulic Cable Cutters
- Swaging Machines
- Cable Diameter Gauge
- Locoloc® Sleeve Gauges
- Accessories for M2
- Locoloc® Swaging Kits



PULLEYS & SHEAVES:

- Stock steel pulleys 1.5"-6"
- Stock QSheaves™ 6"-12"
- Custom steel sheaves — Strongman™
- Custom nylon sheaves — Hardhat™
- Plastic process sheaves
- Crosby API sheaves
- Crosby McKissick sheaves
- Gunnebo Johnson sheaves
- Bomco replacement sheaves
- Cable guides





GROUP OF COMPANIES

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