



**INDUSTRIES LTD.**

[www.wescovan.com](http://www.wescovan.com)

# JOHNSON BLOCKS & SWIVELS



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# SNATCH BLOCKS

Snatch Blocks are one of the most widely used blocks. It is an intermittent - service block which quickly attaches to the wire rope and moves load over comparatively short distances. This is opposed to long lifts and continuous service for which crane and construction blocks are designed.

Johnson offers over 235 models of single and double sheave snatch blocks with capacities ranging from 2 to 30 tons; with sheave diameters from 3 through 24 inches. Snatch blocks are available with swivel hook, swivel shackle, eye fitting or as a Tailboard Block. Custom designs and sizes also available upon request.

Snatch Blocks wire rope-to-sheave diameter ratio is not the same as that recommended for crane and construction blocks. Since the height and frequency of the lifts is not as critical, larger sheaves are not as crucial to snatch block operations. However, provisions should be made to increase the sheave size where the situation demands. Naturally a larger sheave is an advantage for bearing and wire rope life.

The lower fittings on snatch blocks are NOT installed with thrust bearings, therefore the fitting will not swivel under full load.



Stock Code	Johnson Part Number	Working Load Limit	Sheave Diameter Inches	Wire Rope Size Inches
07JB-472366	SB2S3BH	2 Ton	3 inch	5/16 - 3/8
07JB-473820	SB4S4BH	4 Ton	4 inch	3/8 - 1/2
07JB-473826	SB4S6BH	4 Ton	6 inch	3/8 - 1/2
07JB-458923	SB8S6BH	8 Ton	6 inch	5/8 - 3/4
07JB-458924	SB8S8BH	8 Ton	8 inch	5/8 - 3/4
07JB-450824	SB12S10BH	12 Ton	10 inch	3/4 - 7/8
07JB-450828	SB12S12BH	12 Ton	12 inch	3/4 - 7/8

- Standard Snatch Blocks stocked by Wesco Industries have a Bronze Bushing in the sheave. All stock items have swivel hook head fitting.
- Also available upon request: shackle head fittings, tailboard blocks, larger sheave diameters, greater WLL and double blocks.



# CRANE BLOCKS

Johnson manufactures a wide range of crane blocks suitable with nearly all types of mobile cranes, truck cranes, overhead cranes, hydraulic and cable cranes. Johnson manufactures over 1500 models of crane blocks, not including options.

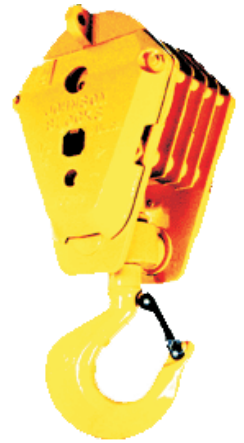
## Standard features:

- 3 through 350 Ton capacity
- 4 to 1 design factor
- 1 through 8 sheave models
- 10 through 30 inch sheave diameters
- Reeving guides on all models
- Heavy duty "J" latches - 3 through 300 tons
- Bronze bushed, roller bearing and tapered roller bearing sheaves
- Direct-channel sheave bearing lubrication through centre pin
- Flame - hardened grooves on sheave sizes 16 through 30 inch diameters.
- Dual action (swing/swivel) roller thrust bearing hooks
- Forged steel hooks - 3 through 30 tons
- Cast alloy steel hooks - 35 through 330 tons
- Cast alloy steel duplex hooks - 35 through 350 tons
- Full protective side plates
- Centre plate and tie bolt containment of wire rope
- Total disassembly capability

## Optional

- Quick reeve crane blocks
- Forged steel hooks - 3 through 300 tons
- Cast alloy steel duplex hooks with bar latch - 25 through 350 tons
- Forged steel duplex hooks
- Anti-rotation locking devices
- Swivel safety anchor shackles
- Sheave shrouds
- Detachable cast iron cheek weights
- Detachable steel plate cheek weights
- Swivel Jaws
- Pull test & Certification
- Non destructive testing of all blocks

Let Wesco Industries help you with your crane block requirements.



Quick Reeve  
Crane Block

# WIRE ROPE SHEAVES

Gunnebo Johnson Corporation furnishes ForgeFab™ sheaves both as popular products in their own right and as the original equipment most preferred by major OEM customers.

Standard sheave sizes are 3 through 72 inch diameter, for wire rope sizes 1/4 through 3 inch. Custom designs can be produced to 108 inch outside diameter.

Sheaves can be either:

- Plain bore (no bearing), bronze bushing, roller bearing without inner race, roller bearing with inner race, and tapered roller bearing types.
- Cast iron, ductile iron, cast steel and ForgedFab™ roll-forged steel plate material types.
- 3/4 through 5 inch hub widths (as standard, larger sizes upon request)

All sheaves 16 inches and larger have flame hardened grooves to minimum Rockwell “C” 35. Options can include sheaves sizes less than 16 inches with flame hardened grooves to minimum Rockwell “C” 35, corrosion resistant coatings, hub located grease nipples, special shafts furnished for any sheave listed.



# OPEN WEDGE SOCKETS

Johnson Open Wedge Sockets combine positive attachment with optimum versatility. Each socket accepts at least two different ductile iron wedges. This allows the socket to be used for more than one rope. This is excellent when used in conjunction with Johnson Overhaul Balls.

Sockets can be installed onsite quickly and easily by a competent trained person. If unsure on installation instruction and warnings please consult with Wesco Industries.



**Be sure that the wedge is correct for the wire size.**

Stock Code	Johnson Part Number	Wire Rope Size Inches
07JB-472371	WS-4 3/8	5/16 - 3/8
07JB-472373	WS-4 1/2	3/8 - 1/2
07JB-472375	WS-5 9/16	3/8 - 1/2
07JB-472377	WS-6 5/8	5/8 - 3/4
07JB-472379	WS-6 3/4	5/8 - 3/4

- Larger sizes available upon request.



# OVERHAUL BALLS

Johnson Overhaul balls supply the downfall weight necessary to counter bearing friction and winch-to-boom-tip line weight. Due to the wide range of applications Johnson offers a wide range of products, with weights from 35 pounds to 1,478 pounds with working load limits ranging from 3 tons through 30 tons.

All Johnson Overhaul Balls call for periodic lubrication, with no disassembly required.



## Split Overhaul Balls

This product offers a convenient and effective way to add weight directly to the wire rope. Easily installed by clamping the two cast iron halves directly to the line by means of bolts.

Stock Code	Johnson Part Number	Weight	Ball Diameter	Wire Rope Size Inches
07JB-472245	OB50SPLIT	50lbs	7.25	1/2 - 5/8
07JB-452179	OB100SPLIT	100lbs	9.25	5/8-3/4-7/8



## Top Swivel Overhaul Balls

The advantage of the top swivel overhaul ball lies in the ability of the upper fitting and the attached wire rope to move independent of its ball and lower fitting.

Stock Code	Johnson Part Number	Weight	Working Load Limit
07JB-471540	OB4EE85-4	85lbs	4 Ton
07JB-471539	OB7EE35-4	35lbs	7 Ton
07JB-471545	OB7EE150-4	150lbs	7 Ton
07JB-471546	OB12EE150-4	150lbs	12 Ton



- Larger sizes & configurations available upon request.

## Bottom Swivel Overhaul Balls

This products offers exceptional compactness with the wedge socket and swivel almost completely enclosed within the ball and pin assembly, it is 25 to 30 percent shorter in overall length than competitors models.

Bottom Swivel Overhaul Balls are available in capacities from 3 to 30 Ton and weights from 54 pounds through 1,290 pounds.



## Midget Overhaul Balls

One of the more economical swivel overhaul balls is the Midget series. They are very short in their overall length and are ideal for light tonnage which demand top performance and downfall speed.

The Midget series include non-swivelling and swivelling type, with either a wedge socket, jaw fitting or eye fitting as a connection point.

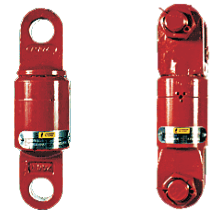


## SWIVELS

Swivels keep the wire rope from transferring its normal twisting motion to the item being lifted. Johnson manufactures a variety of swivel types ranging from 3 through 30 Tons. Simple and compact, these units are engineered for long life at a reasonable cost. Standard swivels are either eye-hook, jaw-hook, eye-eye, jaw-eye, jaw-jaw and eye-jaw models. Each swivel features roller thrust bearing, recessed grease nipple and hooks are of drop forged steel.



Stock Code	Johnson Part Number	Type	Working Load Limit
07JB-471268	3EH	Eye & Hook	3 Ton
07JB-471269	3JH	Jaw & Hook	3 Ton
07JB-471769	4EE	Eye & Eye	4 Ton
07JB-471271	5JH	Jaw & Hook	5 Ton
07JB-471434	7EE	Eye & Eye	7 Ton
07JB-471438	12EE	Eye & Eye	12 Ton
07JB-471442	19EE	Eye & Eye	19 Ton
07JB-471539	25EE	Eye & Eye	25 Ton



- Larger sizes & configurations available upon request.

# WESCO

## INDUSTRIES LTD.

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Distributors of:

**Wire Rope & Fittings** - Powerstrand, Esco, Crosby, Campbell.

Wire Rope all types of constructions and diameters, Wire Rope Fittings, Wire Rope Assemblies, Grips, Hooks, & Links.

**Slings** - Powerstrand, Gunnebo, Campbell, Procraft.

Wire Rope, Chain, Webbing, Endless Polyester & Rope.

**Chain & Fittings** - Campbell, Gunnebo - Grabiq, Procraft.

Grade 30, Mooring & Lashing, Grade 70, 80 & 100.

**Hoists & Trolleys** - Columbus Mckinnon, Coffing & Campbell.

Chain Hoists, Lever Hoists, Cummalongs, Electric Hoists, Air Hoists, Winches, Beam Clamps & Trolleys.

**Lifting Equipment** - CM, Merrill, Terrier, Johnson, Rud, Crosby.

Shackles, Hooks, Plate Clamps, Crane Blocks, Eyebolts, Turnbuckles.

**Cordage** - Novatec Braid, Samson, Procraft.

Double Braid, 12 Strand, 8 Strand, 3 Strand & Cords.

**Towing & Tie Down** - Procraft, CM, Crosby.

Loadbinders, Straps, Chain & Hooks, & Wire Rope Assemblies.

Industries Supplied:

Crane, Construction, Logging, Marine, Industrial, Towing, Entertainment, Elevator, Mining, Offshore Oil & Gas, Fishing, Forestry, Utilities, Steel Works & Rigging.



**COOPER Tools**  
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**GUNNEBO**  **JOHNSON CORPORATION**