

CM[®] **CHAIN & RIGGING ATTACHMENTS**

SHACKLES

CHAIN & SYNTHETIC
SLING COMPONENTS

RIGGING HARDWARE

CLAMPS

TRANSPORTATION
CHAIN & ATTACHMENTS

SPECIALTY PRODUCTS



C O L U M B U S M c K I N N O N C O R P O R A T I O N

GENERAL BENEFITS & FEATURES OF CM HEAVY-DUTY TIE-DOWNS

- Meets FMCSA, CVSA tie-down requirements
- Made from high quality alloy steel
- Made in USA
- Cannot be used for overhead lifting
- Lighter weight than most transport binder chains
- Does not degrade in ultra-violet light
- Permanent identification on chain and attachments
- Design factor 4:1

CLEVIS STYLE HEAVY-DUTY TIE-DOWNS
GRADE 80

WORKING LOAD LIMIT: 4,500 TO 12,000 LBS.

Chain Size (in.)	Chain Grade	Working Load Limit (lbs.)	Product Code	Length (L) (ft.)	Chain Finish	Weight (lbs.)
5/16	80	4,500	607031CV20	20	Black	19.60
5/16	80	4,500	607031CV25	25	Black	24.10
3/8	80	7,100	607037CV20	20	Black	30.30
3/8	80	7,100	607037CV25	25	Black	37.50
1/2	80	12,000	607050CV20	20	Black	54.60
1/2	80	12,000	607050CV25	25	Black	67.30

Design factor 4:1

CLEVLOK® STYLE HEAVY-DUTY TIE-DOWNS
GRADE 80 & 100

WORKING LOAD LIMIT: 7,100 TO 12,000 LBS.

Chain Size (in.)	Chain Grade	Working Load Limit (lbs.)	Product Code	Length (L) (ft.)	Chain Finish	Weight (lbs.)
3/8	80	7,100	607037CL20	20	Black	31.00
3/8	80	7,100	607037CL25	25	Black	38.00
1/2	80	12,000	607050CL15	15	Black	42.00
1/2	80	12,000	607050CL20	20	Black	55.00
3/8	100	8,800	607337CL20	20	Black	31.00
3/8	100	8,800	607337CL25	25	Black	38.50

Design factor 4:1

HEAVY DUTY RATCHET BINDERS
FOR USE WITH GRADE 80 AND/OR GRADE 100 CHAIN

WORKING LOAD LIMIT: 5,400 TO 16,000 LBS.

With Chain Size (in.)	Use With Chain Grade	Working Load Limit (lbs.)	Product Code	End Fittings	Take Up (in.)	Weight (lbs.)
5/16	80	5,400	48365	Hook & Hook	8	12
3/8	80	7,100	48360	Hook & Hook	8	13
3/8	80 or 100	9,200	48366	Hook & Hook	8	13
1/2	80	13,000	48367	Hook & Hook	8	16
1/2	80 or 100	15,000	48358	Hook & Hook	8	16
1/2	80 or 100	16,000	48387	Hook & Hook	8	16

Design factor 3:1 or higher



FORGED RATCHET LOAD BINDER
GRADES 30, 43, 70, 80, 100

WORKING LOAD LIMIT: 2,600 TO 16,000 LBS.

BENEFITS & FEATURES

- Handle is designed using a self-locking, open pawl allowing for easy removal of unwanted debris such as mud, snow or ice
- Proof tested to 50% of the minimum breaking strength
- Gears are permanently welded to the barrel
- Durable powder coated finish
- Design factor 3:1 or higher



Chain Grade & Size (in.)				Product Code	End Fittings	Standard Package	Working Load Limit (lbs.)	Take Up (in.)	Handle Length (in.)	Barrel Size O.D. (Diam. x Length) (in.)	Screw Diameter (in.)	Weight (lbs.)
G30	G43	G70	G80									
3/16 & 1/4	1/4	—	—	—	Hook / Hook	4	2,600	4	12	1-5/16 x 6	5/8	5.4
—	—	—	—	—	Eye / Eye (no hook)	4	5,400	8.5	12	1-5/16 x 10	3/4	8.6
—	—	—	—	—	Eye / Eye (no hook)	4	13,000	8	14	1-1/2 x 10	1	9.8
5/16 & 3/8	5/16 & 3/8	5/16	—	—	Hook / Hook	4	5,400	8.5	12	1-5/16 x 10	3/4	8.6
5/16 & 3/8	5/16 & 3/8	5/16 & 3/8	5/16 & 3/8	—	Hook / Hook	4	7,100	8	14	1-1/2 x 10	1	13.0
5/16 & 3/8	5/16 & 3/8	5/16	5/16	—	Hook / Hook	4	5,400	8	14	1-1/2 x 10	1	12.0
3/8 & 1/2	3/8 & 1/2	3/8	3/8	3/8*	Hook / Hook	4	9,200	8	14	1-1/2 x 10	1	13.0
1/2 & 5/8	1/2 & 5/8	1/2	1/2	—	Hook / Hook	4	13,000	8	14	1-1/2 x 10	1	16.0
—	3/8 & 1/2	3/8 & 1/2	3/8 & 1/2	3/8	Hook / Hook	4	12,000	8	14	1-1/2 x 10	1	13.0
3/8 & 1/2	3/8 & 1/2	3/8 & 1/2	3/8 & 1/2	3/8 & 1/2	Hook / Hook	4	15,000	8	14	1-1/2 X 10	1	16.0
3/8 & 1/2	3/8 & 1/2	3/8 & 1/2	3/8 & 1/2	3/8 & 1/2	Hook / Hook	4	16,000	8	14	1-1/2 X 10	1	16.0

* When used with 3/8 inch G100 chain, this assembly will have a 3:1 design factor

FORGED LEVER LOAD BINDER GRADES 30, 43, 70, 80

WORKING LOAD LIMIT: 2,600 TO 9,200 LBS.

BENEFITS & FEATURES

- All components are forged, not cast
- Forged binders are lighter and stronger than cast binders
- Under equal force a forged handle will yield and bend while a cast handle may break
- Design factor 3:1 or higher



Chain Grade & Size (in.)			Product Code	Working Load Limit (lbs.)	Handle Take Up (in.)	Handle Length (in.)	Weight (lbs.)
G30	G43	G70					
1/4	1/4	–	48304	2,600	3.75	11.25	3.0
3/8	3/8	5/16	48305	5,400	4.50	16.12	8.1
1/2	1/2	3/8	48306	9,200	4.75	16.62	10.6
3/8	3/8	3/8	48769	7,100	4.50	16.62	8.1

SPECIALTY FORGED LEVER LOAD BINDER GRADES 30, 43, 70

WORKING LOAD LIMIT: 5,400 LBS.

BENEFITS & FEATURES

- Durable powder coated finish, Design factor 3:1 or higher
- **DIXI-LOC BINDERS** provide extra security by allowing the binder to be locked in closed position using a pad lock, linchpin or bolt.
- **COMPRESSION BINDERS** are designed for securing bar and rod steel, lumber, poles and machinery with rubber tires.



Compression Binders

Binder Type	Description	Chain Grade & Size (in.)		Product Code	Standard Package	Working Load Limit (lbs.)	Take Up (in.)	Handle Length (in.)	Weight (lbs.)
		G30	G70						
Dixi-Loc Binder	Lockable	3/8	3/8	48385	4	5,400	4.50	16.62	8.50
Compression Binder	Metal Spring	3/8	3/8	48395	4	5,400	4.50	16.62	14.60

► INSPECTION, CARE & USE

LOAD BINDER OPERATING INSTRUCTIONS

1. Follow D.O.T. Federal Motor Carrier Safety Regulations S 392.9, S 393.100, and S 393.102
2. Inspect before use. Replace worn and deformed binders. Lubricate pivot and swivel points for optimum performance.
3. Do not operate with anyone on load.
4. Always apply lever binder in straight line hook-to-hook manner without bending and such that handle goes down when securing load.
5. Tighten binders before moving and recheck frequently.
6. Do not exceed working load limit shown on binder – hand effort will tighten binder to working load limit.
7. Do not use cheater bar or handle extension as their use can overload binder system and result in injury.
8. Secure handle down with a positive retaining method.
9. Release handle/load with extreme care. Make sure everyone is clear. Lever binder handle can snap back over center. Use open palm under handle and push up.

For more information, visit us at
www.cmworks.com

⚠ WARNING

Load binder systems store energy which can release suddenly. To avoid injury:
 ▲ Operate only by hand from a firm standing position.
 ▲ Operate handle cautiously.
 ▲ Stay clear of handle path; handle may release suddenly.
 ▲ Follow manufacturer's instructions.

E-Z PRO® CAM RELEASE LEVER BINDER GRADES 30, 43, 70

WORKING LOAD LIMIT: 5,400 TO 9,200 LBS.

Effortlessly release this load binder without using any tools or prying – all it takes is one finger. Due to its unique design, the binder's handle releases the load at the same point every time – when the handle is perpendicular to the body of the binder. Low-energy release prevents the binder from snapping back over center.

BENEFITS & FEATURES

- Binder releases effortlessly without the use of any tools or prying
- Free turning, 360° continuous swivel action in both tongue and clevis for enhanced straight line pull.
- Highly visible, durable yellow powder coated finish
- DDesign factor 3:1 or higher



48405: 5,400 lb. Working Load Limit

48406: 9,200 lb. Working Load Limit



Chain Grade & Size (in.)			Product Code	Standard Package	Working Load Limit (lbs.)	Take Up (in.)	Handle Length (in.)	Weight (lbs.)
G30	G43	G70						
3/8	3/8	5/16	48405	4	5,400	4.75	16.62	9.0
1/2	1/2	3/8	48406	4	9,200	4.75	16.62	9.8

CMG RATCHET / LEVER BINDERS

WORKING LOAD LIMIT: 2,600 TO 8,800 LBS.

BENEFITS & FEATURES

- Forged components
- Durable powder coated finish
- Designed to meet CM requirements
- Design factor 3:1
- Imported



Maximum Chain Size (Grade 70)	Description	Product Code	Working Load Limit (lbs.)	Handle Take Up (in.)	Handle Length (in.)	Weight (lbs.)
5/16 & 3/8	5/16" & 3/8" Ratchet Binder	48362CMG	8,800	8	14	13
5/16	3/8" Lever Binder	48305CMG	6,600	4	16	8.8
5/16	3/8" Indirect Binder	48405CMG	5,400	8	15	9.0