THE NUTTY COMPANY INC
FASTENER SPECIALISTS SINCE 1977

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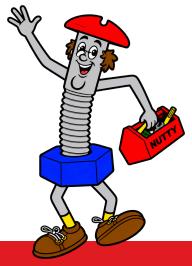
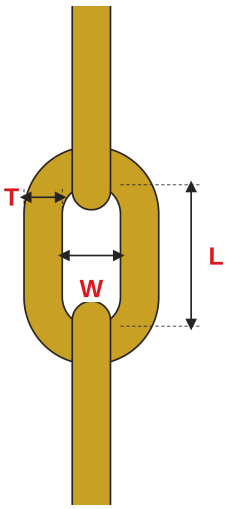


PRODUCT DATA SHEET

Grade 70 Binder Chain

1.0 Dimensions & Working Load Limits (inches)





- **Grade 70 transport chain**, heat-treated high-carbon steel, ASTM A413 / NACM.
- **Yellow zinc (chromate) plated** for corrosion resistance and easy identification.
- Forged **clevis grab hook on each end**, with clevis pin and cotter.
- Meets FMCSA / DOT cargo securement rules (49 CFR 393) for tie-downs.
- For **Grade 70 transport chain**; WLL from **4,700 lbs. (5/16") and 6,600 lbs. (3/8")**.
- Design factor 4:1. **Not for overhead lifting.**

T material (wire) diameter **L** inside length of link **W** inside width of link

Stock #	Size x Length	WLL (lbs.)*	T Material Dia.	L Inside Length	W Inside Width	Chain Wt. (lbs./100 ft)	Hook Each End	Assembly Wt. (lbs. approx.)
BINDER51620	5/16" x 20 ft	4,700	0.315	1.29	0.44	84	CGH516 – 5/16" clevis grab	19
BINDER3820	3/8" x 20 ft	6,600	0.394	1.38	0.55	138	CGH38 – 3/8" clevis grab	30

Dimensions are nominal, in inches. Size = chain trade size. Chain dimensions and weights are nominal (±4%) and vary slightly by manufacturer. Assembly weight is approximate (chain + 2 hooks). *Working Load Limit is for in-line (straight) pulls. Min. breaking strength 4 x WLL. Not for overhead lifting.

2.0 Material & Finish

Property	Grade 70 Binder Chain
Type	Binder (tie-down) chain assembly
Chain	Grade 70 transport chain, heat-treated high-carbon steel
Standard	ASTM A413 / NACM welded steel chain
End fittings	Forged Grade 70 clevis grab hook each end
Finish	Yellow zinc (chromate) plated
Design factor	4:1 (min. breaking strength = 4 x WLL)
Lengths	20 ft (5/16" and 3/8")

3.0 Common Uses

- Flatbed, lowboy and trailer load securement
- Tying down equipment, machinery, vehicles, steel and lumber
- Towing and recovery
- Logging, farm and construction
- Use with ratchet or lever chain binders

4.0 Application & Installation

- Pick the chain size with a WLL that meets your load and the cargo securement rules. The binder must have a WLL equal to or higher than the chain.
- Hook the grab hooks onto the anchor points or back onto the chain, so a link sits fully in the bottom of the hook throat.
- Tension the chain with a ratchet or lever binder. Do not use a cheater bar on lever binders, and secure the handle when done.
- Keep chains straight – no twists, knots or kinks – and protect them from sharp edges with corner protectors.
- Follow DOT / FMCSA cargo securement rules (49 CFR 393): the total WLL of all tie-downs must be at least 1/2 the cargo weight.

5.0 Inspection & Safety

- Never exceed the Working Load Limit. Do not shock load.
- **Not for overhead lifting.** Use Grade 80 or 100 alloy chain and fittings for lifting.
- Inspect before each use: remove from service chain with stretched, bent, nicked, cracked or worn links, or hooks with an opened throat.
- Replace a hook only with the same size and grade clevis grab hook, a new clevis pin and a new cotter.
- Do not weld, heat or repair chain.
- Do not use for lifting people or loads over people.

Disclaimer: The above is a compilation of data from various industry standards. The Nutty Company, Inc. has made every effort to present the data accurately. However, The Nutty Company, Inc. cannot be held liable for any claim traceable to any errors, typographical or otherwise, contained herein.



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