

Weatherly #148
27.12 (Industrial)
August 2022

Supersedes 27.12 (Industrial) | April, 2019



PEERLESS®

A KITO GROUP COMPANY

2023

OVERHEAD LIFTING



CARGO CONTROL



HARDWARE



MARINE



Visit Us Online: www.peerlesschain.com | 800.873.1916

Binder Chain Assembly Usage Chart

Calculating the minimum number of Tie-Downs depends on the cargo length, cargo weight and cargo type. The sum of the working load limits from all Tie-Downs must be at least 50% of the weight of the cargo.

Articles 5’ or shorter require 1 Tie-Down. Articles 5’ or shorter and weighing more than 1100 Lbs. require 2 Tie-Downs. Articles more than 5’ up thru 10’ require 2 Tie-Downs. Add an additional Tie-Down for articles more than 10’ and for each additional 10’ or part thereof. Articles prevented from forward movement by a bulkhead or another load require a Tie-Down for every 10’ and for each 10’ or part thereof. When calculating the minimum number of tie downs required for securement and there is a remaining fraction, the number must always be rounded upward to add an additional tie down.

Wheeled or tracked vehicles over 10,000 Lbs. require a minimum of 4 Anchor (Direct) Tie-Downs and 4 Tightening Devices – each with a minimum working load limit of 5000 Lbs. Anchor Tie-Downs are a direct connection between the load and the trailer. All accessory attachments such as booms, shovels, and backhoes must be lowered and properly secured - usually with an additional Tie-Down and Tie-Down Device.

Indirect Tie-Downs (not Anchor Tie-Downs) should form a minimum angle of 30 degrees to the trailer floor. Steel coils, paper rolls, concrete pipe, dressed lumber, boulders, flattened cars, automobiles, light trucks, vans, and containers require special calculations. Always consult FMCSA regarding special applications.

This chart is provided as a guide to meet the basic minimum current in-service requirements in accordance to the FMCSA† and the DOT‡. The following table lists the minimum number of chain assemblies required to secure a load per DOT, CVSA§ and CCMTA.

*This chart is only to be used as a reference.

†**FMCSA:**
Federal Motor Carrier
Safety Admin.
‡**DOT:**
Department of
Transportation
§**CVSA:**
The Commercial Vehicle
Safety Alliance
¶**CCMTA:**
Council of Motor
Transportation
Administrators

Chain Grade	Chain Size		Working Load Limit (WLL)		Net weight of cargo to be secured in Lbs. (kg.)								
					10,000	15,000	20,000	25,000	30,000	35,000	40,000	45,000	50,000
	Inches	MM	Lbs.	Kg	(4,540)	(6,800)	(9,070)	(11,334)	(13,608)	(15,876)	(18,144)	(20,412)	(22,680)
Alloy G100	9/32	7	4,300	1,950	2	2	3	3	4	4	5	6	6
	5/16	8	5,700	2,600	1	2	2	3	3	4	4	4	5
	3/8	10	8,800	4,000	1	1	2	2	2	2	3	3	3
	1/2	13	15,000	6,800	1	1	1	1	1	2	2	2	2
	5/8	16	22,600	10,300	1	1	1	1	1	1	1	1	2
Alloy G80	9/32	7	3,500	1,570	2	3	3	4	5	5	6	7	8
	5/16	8	4,500	2,000	2	2	3	3	4	4	5	5	6
	3/8	10	7,100	3,200	1	2	2	2	3	3	3	4	4
	1/2	13	12,000	5,400	1	1	1	2	2	2	2	2	3
	5/8	16	18,100	8,200	1	1	1	1	1	1	2	2	2
Transport G70	1/4	7	3,150	1,430	2	3	4	4	5	6	7	8	8
	5/16	8	4,700	2,130	2	2	3	3	4	4	5	5	6
	3/8	10	6,600	2,990	1	2	2	2	3	3	4	4	4
	1/2	13	11,300	5,130	1	1	1	2	2	2	2	2	3
	5/8	16	15,800	7,170	1	1	1	1	1	2	2	2	2
High Test G43	1/4	7	2,600	1,180	2	3	4	5	6	7	8	9	10
	5/16	8	3,900	1,770	2	2	3	4	4	5	6	6	7
	3/8	10	5,400	2,450	1	2	2	3	3	4	4	5	5
	1/2	13	9,200	4,170	1	1	2	2	2	2	3	3	3

Load Binders



Ratchet Loadbinder

Stock #	Chain Size (In.)		Take-Up (In.)	Handle Length (In.)	Qty. Per Pkg.	Lbs. Per Pkg.	Working Load Limit	
	G70	G43					Lbs.	Kgs.
5200320	5/16	3/8	8.00	15.50	4	50	5,400	2,449
*5200675	3/8	1/2	8.00	14.00	4	50	9,200	4,173

*Red in color



DO NOT EXCEED CAPACITY!
See the CAUTIONS & WARNINGS section before using these products. Pages 134-145.

CARGO CONTROL

Load Binders



3 position pawl.



Tamper resistant.



QuikBinder® A Ratchet Load Binder Like No Other

The QuikBinder® offers higher working load limits than standard ratchet load binders, and is designed for use with either Grade 70 Transport, Grade 80, or Grade 100 Alloy tie-down chains.

- Easier to install than standard ratchet load binders
- 3-position pawl offers the user a choice of ratchet extension, ratchet take-up or a “free spin”
- Available in three sizes
- Vinyl coated barrel for a strong, comfortable grip
- Folding handle offers additional safety
- Can be locked to the tie-down chain with a long shank padlock – *see page 117!*
- Meets all DOT/CVSA/CCMTA requirements
- Working Load Limit permanently marked on handle



QuikBinder® Ratchet Loadbinder

Stock #	Chain Grade and Size (Inches)			Take-up (Inches)	Handle Length (In.)		Qty. Per Package	Lbs. Per Package	Working Load Limit	
	G70	G80	G100		Folded	Straight			Lbs.	Kgs.
H5125-0658	5/16 & 3/8	5/16 & 3/8	5/16	6.00	9.50	13.90	4	46	7,100	3,220
H5125-0858	3/8 & 1/2	3/8 & 1/2	3/8	6.00	9.50	13.90	4	56	12,000	5,443
H5125-0958	1/2 & 5/8	1/2 & 5/8	1/2	6.00	9.50	13.90	2	37	18,100	8,210



Load Binders Cont.

Our loadbinders meet all DOT/CVSA/CCMTA requirements. Special hook construction supports the load of the chain and will not bind. Loadbinders are heat treated and proof tested with forged heat treated hooks. The Working Load Limit is permanently marked on handle. All loadbinders feature special links with controlled flash welds and are painted with yellow, powdercoat enamel.

Ratchet Binder Plus Loadbinder

Ratchet Binder Plus has higher strength ratings for use with Grade 70 Transport, Grade 80, or Grade 100 Alloy tie-down chains.



Stock #	Chain Grade & Size (Inches)			Take-Up (Inches)	Handle Length (Inches)	Qty. Per Package	Lbs. Per Package	Working Load Limit	
	Yellow	G70	G80					G100	Lbs.
H5121-4158	5/16 & 3/8	5/16 & 3/8	5/16	6.50	13.92	2	22	7,100	3,220
H5121-4258	3/8 & 1/2	3/8 & 1/2	3/8	6.50	13.92	2	28	12,000	5,443
H5121-4458	1/2 & 5/8	1/2 & 5/8	1/2	6.50	13.92	2	35	18,100	8,210

Ratchet Loadbinder



Stock #	Chain Size (Inches)		Take-Up (Inches)	Handle Length (Inches)	Qty. Per Package	Lbs. Per Package	Working Load Limit	
	G70	G43					Lbs.	Kgs.
H5123-4052	1/4	5/16	5.00	6.75	2	9	3,900	1,769
H5123-4152	5/16	3/8	6.50	13.92	2	22	5,400	2,449
H5123-4252	3/8	1/2	6.50	13.92	2	26	9,200	4,173
H5123-4452	1/2	5/8	6.50	13.92	2	32	13,000	5,897



DO NOT EXCEED CAPACITY!
See the CAUTIONS & WARNINGS section before using these products. Pages 134-145.

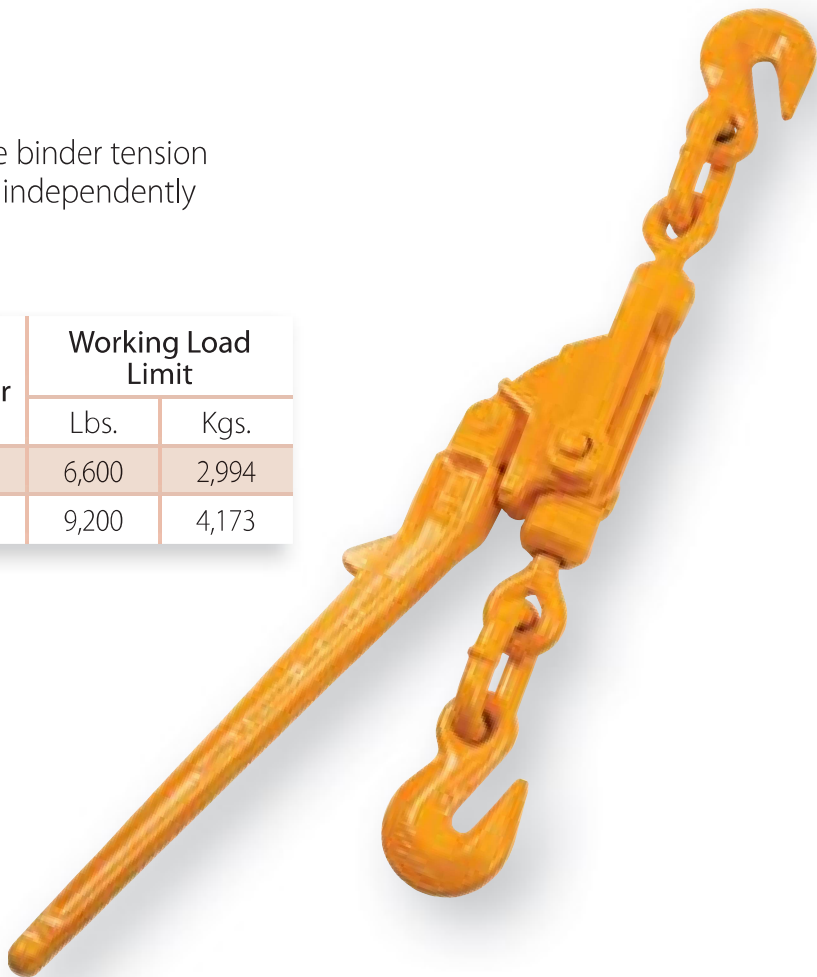
CARGO CONTROL

LOAD BINDERS

CAM Release Lever Loadbinder

This binder is a lever load binder designed to allow the user to release the binder tension without any kickback of the handle. The center of the body of the binder independently rotates, free of the handle, to release the tension smoothly and easily.

Stock #	Chain Size (In.)		Take-Up (In.)	Handle Length (In.)	Qty. Per Pkg.	Lbs. Per Pkg.	Working Load Limit	
	G70	G43					Lbs.	Kgs.
Yellow	G70	G43						
H5250-0658	5/16	3/8	4.00	13.00	4	39	6,600	2,994
H5250-4252	3/8	1/2	4.75	17.24	4	58	9,200	4,173



TRAVEL SAFE!

CARGO CONTROL

Trailer towing, hauling, rigging, moving and securing!

PEERLESS
A KITO GROUP COMPANY

www.peerlesschain.com

