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I oad
 Securement



l oad	Securement



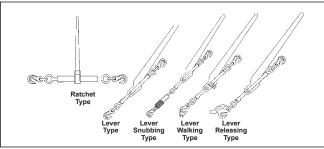
Load Binders

IOaD bINDErS

warnings and application Instructions

!warNINg !

- Failure to use this load binder properly may result in serious injury or even death to you or others.
- Do not operate load binder while standing on the load.
- Move handle with caution. It may whip Keep body clear.
- Keep yourself out of the path of the moving handle and any loose chain laying on the handle.
- You must be familiar with state and federal regulations regarding size and number of chain systems required for securing loads on trucks.
- Always consider the safety of nearby workers as well as yourself when using load binder.
- While under tension, load binder must not bear against an object, as this will cause side load.
- Do not throw these instructions away. Keep them close at hand and share them with any others who use this load binder.
- Do not attempt to close or open the binder with more than one person.



mechanical advantage:

lever Type binder = 25:1 ratchet Type binder = 50:1

Example: 100 pounds of effort applied to the binder results in the following force on the binder.

lever Type: 2500 (100 lbs. x 25) lbs. of force ratchet Type: 5000 (100 lbs. x 50) lbs. of force

Instructions - lever Type load binders

 Hook load binder to chain so you can operate it while standing on the ground. Position load binder so its handle can be pulled downward to tighten chain (see photo). be aware of ice, snow, rain, oil, etc. that can affect your footing. make certain your footing is secure.



- We specifically recommend AGAINST the use of a handle extender (cheater pipe). If sufficient leverage cannot be obtained using the lever type load binder by itself, a ratchet type binder should be used.
- If the above recommendation is disregarded and a cheater pipe is used, it must closely fit the handle and must slide down the handle until the handle projections are contacted. The pipe should be secured to the handle, for example, by a pin, so that the pipe cannot fly off the handle if you loose control and let go. The increased leverage, by using a cheater pipe, can cause deformation and failure of the chain and load binder.
- During and after tightening chain, check load binder handle position. Be sure it is in the locked position and that its bottom side touches the chain link.
- Chain tension may decrease due to load shifting during transport. To be sure the load binder remains in proper position: Secure handle to chain by wrapping the loose end of chain around the handle and the tight chain, or tie handle to chain with soft wire.
- When releasing load binder, remember there is a great deal of energy in the stretched chain. This will cause the load binder handle to move very quickly with great force when it is unlatched. move handle with caution. It may whip keep body clear.
- Never use a cheater pipe or handle extender to release handle. Use a steel bar and pry under the handle and stay out of the path of handle as it moves upward.
- If you release the handle by hand, use an open hand under the handle and push upward. Do not close your hand around the handle. always keep yourself out of the path of the moving handle.

Instructions - ratchet load binders

- Position ratchet binder so it can be operated from the ground.
- make sure your footing is secure.

maintenance of all load binders.

- Routinely check load binders for wear, bending, cracks, nicks, or gouges. If bending or cracks are present Do not use load binder.
- Routinely lubricate pivot and swivel points of Lever Binders, and pawl part and screw threads of Ratchet Binders to extend product life and reduce friction wear.

Standard lever Type load binders - lebus ®

I-150

Forged Steel–Quenched & Tempered.
Binder toggles away from the load.



Model	Stock No.	Std. Pkg.	Min-Max Chain Size (in)	WLL (lbs)	Proof Load (Ibs)	Min. Ultimate Strength (lbs)	Wt. Each (Ibs)	Handle Length (in)	Take Up (in)
7-1	1048128	4	5/16-3/8	5400	10800	19000	7.02	16.00	4.50
A-1	1048146	4	3/8-1/2	9200	18400	33000	12.47	18.69	4.50
C-1	1048164	4	1/2-5/8	13000	26000	46000	19.68	21.00	4.75

Standard ratchet Type load - lebus ® I-140

- For use with Grade 7 Transport Chain Applies to R-7 only.
- New design "one piece" forged handle.
- Continuous take-up feature, infinite adjustment, gets the last half of chain.
- Utilizes standard Crosby A-323 Alloy Eye Grab Hooks.
- One Piece assembly, no bolts or nuts to loosen.
- Ratchet spring rust proofed.
- Easy operating positive ratchet.All load bearings or holding parts forged.
- Min-Max Min Chain Proof Ultimate Wt. Handle Barrel Take WH Stock Size I oad Strength Fach I enath I enath Un Model No. (lbs) (lbs) (in) (in) (lbs) (lbs) (in) (in) 1048404 26000 R-7 5/16-3/8 6600 13200 11.23 14 10 8.0 1048422 3/8-1/2 12.83 9200 18400 33000 10 8.0 R-A 14 R-C 1048440 1/2-5/8 13000 26000 46000 14.55 14 10 80

Note: Binders shown with Proof Load Pounds have been individually Proof Tested to these values shown, prior to shipment.

Quic-link ratchet load binder - lebus ® r-7 "Quic-link"

• For use with Grade 7 Transport Chain.

- Utilizes standard Crosby A-323 Alloy Eye Grab Hooks.
- New design "one piece" forged handle.
- Continuous take-up feature, infinite adjustment, gets the last half of chain.
- One Piece assembly, no bolts or nuts to loosen.
- All load bearings or holding parts forged.
- Ratchet spring rust proofed.
- C-3+D · Easy operating positive ratchet. Min-Max Min. Chain Proof Ultimate Wt. Handle Barrel Take WH Stock Size I oad Strenath Fach Length Length Up Model (lbs) (lbs) (lbs) (in) No. (in) (lbs) (in) (in) R-7QL 104813 5/16-3/8 6600 13200 26000 12.25 14 10 8.0

Note: Individually Proof Tested to 13,200 Lbs. prior to shipment

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Load Binders/Ratchet Turnbuckles

Snubbing I oad binder - I ebus®

I -150

· Forged Steel-Quenched & Tempered.

- · Spring cushion for load protection, cushions shock and away.
- Binder toggles away from the load.

Model	Stock No.	Min-Max Chain Size (in)	WLL (lbs)	Min. Ultimate Strength (lbs)	Wt. Each (Ibs)	Handle Length (lbs)	Take Up (in)	Compression Strength of Spring (lbs)
7-12	1048280	5/16-3/8	5400	16200	11.25	16.00	4.25	2300
A-12	1048306	3/8-1/2	9200	30300	18.69	18.50	4.50	3300

midget I oad binder - I ebus® I -130

- · Forged handle, hooks and swivel link.
- Steel swivels and clevis.

						-	-0-0
Model	Stock No.	Min-Max Chain Size (in)	WLL (lbs)	Min. Ultimate Strength (Ibs)	Wt. Each (lbs)	Handle Length (lbs)	Take Up (in)
W-1	1048100	3/16-1/4	1450	5100	2.57	11.25	2.40

E-Z pro Cam r elease l ever I oad binder - Cm

- Provides recoilless CAM release design.
- · Entirely hand releasable.
- · Individually proof tested.

Chain Grade

& Chain Size (in)

• Use with Grade 43 and Grade 70 Chain.



Pack

4

G-43	G-70	(lbs)	Code	(in)	(lbs)	
3/8	5/16	5,400	D48405	4-1/2	11	

Product

Approx. Take-up

3/8" I ever Type I oad binder - Cm

WLL

- · Provides more control in binding and releasing without extra tools.
- · Handle closes down away from load with more leverage.
- · Hooks are heat treated steel.
- · Functionally superior to any other on the road.
- · Handles are drop forged from special bar quality steel.
- · Single welded links as in binder chain for better reliability.
- More take-up for binding greater loads. Smaller handle slot with riveted nose to prevent spreading at the critical loading point.
- Meets D.O.T and C.V.S.A. requirements.

Ch	ain Size	Chain	WLL*	Product	Handle	Take-up	Wt.
	(in)	Grade	(lbs)	Code	Length (in)	(in)	(Ibs)
	3/8	30,43,70,80	7,100	D48769	16	4-7/8	8-1/4

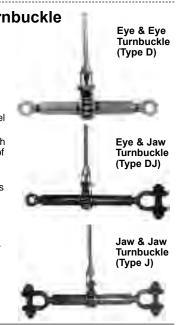
binder Chain a ssemblies

working I oad I imits: Grade 43 = 5,400 lbs./Grade 70 = 6,600 lbs. 3/8" x 14' Grade 43 or 70 Chain with Welded or Clevis Grab Hooks 3/8" x 16' Grade 43 or 70 Chain with Welded or Clevis Grab Hooks 3/8" x 20' Grade 43 or 70 Chain with Welded or Clevis Grab Hooks 3/8" x 25' Grade 43 or 70 Chain with Welded or Clevis Grab Hooks

r aTChET Tur NbuCkIES

Standard r atchet Turnbuckle

- Spring-activated pawl in handles.
- Gravity-pawl handles available as an option.
- Barrel hex-drives available for all models.
- · Hand-wheel and vise-type handles available on most models.
- Barrels made from cold-drawn steel tubing not from welded pipe.
- All turnbuckles can be equipped with screw stops to decrease chances of unintentional disassembly.
- All turnbuckles can be equipped with lock nuts to decrease chances of accidental loosening.
- Turnbuckles are available galvanized for reduced maintenance in saltwater applications.
- Custom-built or specialty turnbuckles available.



Threaded Jaws



C. Marrie	200
C.	(Ē)
1.46	\sim

	Threaded Jaw Dimensions (in)									
Α	В	F	S	G	N	Р	L	Safe WL*		
Shank	Shank	Throat	Throat	Hole	Jaw End	Cheek	1st Thread	Tension		
Dia.	Length	Opening	Depth	Dia.	to Hole C/L	Thkns.	to Hole C/L	(lbs)		
0.75	10.00	0.94	1.50	0.69	1.00	0.50	2.75	4,600		
1.00	14.00	1.19	2.06	0.94	1.25	0.75	3.75	9,000		
1.13	18.00	1.25	2.06	1.03	1.13	0.50	3.75	10,000		
1.25	14.00	1.75	2.44	1.19	1.50	0.88	5.00	14,600		
1.38	16.00	1.13	3.00	1.13	1.25	0.75	6.00	17,000		
1.50	15.00	2.31	2.81	1.44	1.81	1.09	5.50	21,400		
1.75	15.00	2.38	2.88	1.72	2.00	1.14	6.33	27,000		
2.00	16.00	2.50	3.68	2.09	2.60	1.55	7.00	37,000		
2.50	18.00	2.88	4.44	2.38	3.50	1.50	8.40	60,000		
2.75	18.00	3.50	4.19	2.88	4.00	1.75	9.40	77,000		
3.00	8.00	3.50	5.50	3.06	3.38	1.75	10.00	100,000		
4.00	8.00	5.50	5.50	4.06	4.38	2.00	11.50	200,000		

* Safe Working Load, in tension, provides a safety factor of approximately five to one.

Threaded Eyebolts



Shank Dia.	Shank Length	Thread Outside Eye Dia.	ded Eyebolt Dime Max. Drilled Hole Dia.	ensions (in) 1st Thread to Hole Center	Eye Thickness	Safe WLL* (lbs)
0.75	12.00	1.88	1.00	2.00	0.75	4,600
0.88	12.00	2.13	1.13	2.25	0.88	6,400
1.00	12.00	2.38	1.25	2.25	1.00	9,000
1.13	12.00	2.75	1.38	2.00	1.13	10,000
1.25	18.00	3.00	1.50	2.50	1.25	14,600
1.38	24.00	3.50	1.56	2.75	1.25	19,600
1.50	24.00	3.63	1.75	2.88	1.50	21,400
1.75	24.00	3.25	1.69	2.75	1.50	27,000
2.00	18.00	3.50	1.31	3.00	1.88	30,000
2.00	18.00	4.00	1.56	3.50	1.50	30,000
2.00	24.00	5.00	2.00	4.25	2.50	37,000
2.50	24.00	6.00	3.00	4.50	2.75	60,000
2.75	24.00	6.50	3.13	5.00	2.75	77,000
3.00	6.00	6.50	3.25	5.00	3.00	100,000
4.00	7.00	10.75	3.50	6.88	4.00	200,000

* Safe Working Load, in tension, provides a safety factor of approximately five to one.



Ratchet Turnbuckles/Winch Products

r atchet Turnbuckles

Specifications & Dimensions (cont.)

Double-acting handles have a spring-loaded pawl which helps to provide constant engagement of the pawl in the ratchet wheel, regardless of the position of the ratchet turnbuckle. This makes the double acting handle easier to use whether in general industry, farming, mining, construction, shipbuilding or commercial marine.

Standard hand-wheels, vise-type handles and hex-drives are available upon request.

Our industrial-use barrel is made from cold-drawn tubing and not welded pipe, making it stronger than a comparable pipe barrel. Barrels can be galvanized and fitted with grease fittings to reduce maintenance even in harsh salt-water applications.

	Ratchet	Handle			1.3. To 1.5.
MODEL NUMBER	Corresponding Barrel Dia. (in)	X (in)	H (in)	z (in)	刻圓
SR 1.0 SR 1.375 SR 1.75	1.75 2.38 2.88	3.25 4.38 5.00	13.25 22.00 22.25	1.88 3.00 3.00	同题
SR 2.0 SR 2.5 SR 3.0 SR 4.0	3.50 3.75 4.50 6.00	5.63 5.75 6.75 9.13	27.50 27.56 29.25 33.00	2.75 2.75 2.75 2.75 2.75	

	Ra	tchet Bar	rel		W	6		
Safe Working Load* (Tension) (Ibs)	Ratchet Screw Dia. (in)	Barrel Dia. (in)	Std. Barrel Lengths (in)	Range of Adj. (in)			0	1
4,600 9,000	0.75 1.00	1.75 1.75	6 to 24 6 to 24	4 to 22 4 to 22		-	1	T
10,000	1.13	1.75	6 to 24	4 to 22	He	ex Drive	es	
14,600 17,000 21,400	1.25 1.38 1.50	2.38 2.38 2.88	12 to 36 12 to 36 12 to 48	9 to 33 9 to 33 8 to 44	Corresponding Barrel Dia. (in)	U (in)	V (in)	W (in)
25,000 25,000 30,000	1.75 2.00 2.00	2.88 2.88 3.50	12 to 48 12 to 48 12 to 36	8 to 44 8 to 44 7 to 31	1.75 2.38 2.88	2.38 3.13 3.88	2.74 3.61 4.47	1.00 1.50 1.75
60,000 77,000 100,000 200,000	2.50 2.75 3.00 4.00	3.75 4.50 4.50 6.00	12 to 36 8 to 36 8 to 36 10 to 36	7 to 31 3 to 30 2 to 12 2 to 12	3.50 3.75 4.50 6.00	4.38 4.63 5.50 6.88	5.00 5.34 6.38 8.00	2.00 2.00 3.00 3.00

*Safe Working Load, in tension, provides a safety factor of approximately five to one.

Custom r atchet Turnbuckles

Four-inch Shank Diameter, Jaw-and-Jaw Turnbuckle with Two-hundred-Thousand pound working I oad I imit (200,000 lb). (Load Limit is based on an approximate 5 to 1

safety factor.) These turnbuckles help to hold large vessels in their moor-

ings during the loading and unloading of cargo. Deck hands can easily release the lashings and allow the trip to begin without unnecessary difficulties

Four-inch Shank Diameter with Two-hundred-Thousand pound working I oad I imit (200,000 lb) and a Six-Foot barrel. (Load Limit is based on an approximate 5 to 1 safety factor.)

These turnbuckles secure a fleet of thirty-story Gantry cranes at a Southeast Asia dock. Even under foul weather conditions, these turnbuckles help

provide continuous operations.

Three-inch Shank Diameter with One-hundred-Thousand pound working I oad I imit (100,000 lb) and a Nine-Foot barrel. (Load Limit is based on an approximate 5 to 1 safety factor.)

These turnbuckles bind twenty-three story Gantry cranes to the docks in New York City. Designed to be out of the

way when not in use, they also speed up the loading and unloading cycles due to the ease of tensioning.



winches provide a method for securing cargo on flatbed trailers, rail cars and other vehicles. Hanes Supply offers a wide variety of styles to ensure the correct winch is available for each application.

All winches are designed to meet the requirements of the Department of Transportation (DOT) and California Highway Patrol (CHP). We offer a broad range of winches for use with either 2", 3" or 4" web straps, cable, or a combination of both.

All winches are produced as right-hand models; left-hand models are available as a special order.

- Standard height winches are for bottom mounting only.
- I ow profile winches are designed for side mounting.
- Storable winches are for bottom mounting also and offer added capacity for storing up to 30' of webbing.

weld-On webbing winches

Weld-on winches are designed to be permanently mounted in a fixed position.



portable webbing winches

Portable winches allow flexibility of winch placement along the trailer side channel. (Portable winches are also available with set screws.)



1820p1-w/1 Set Screw

7820p2-w/2 Screw Set 7820p-Bracket Only

Sliding webbing winches & Track

Sliding winches move easily in both directions for positioning in the track, but lock firmly in place when tension is applied to the webbing. Sliding winches must be used with winch track (part numbers 3606 and 3607). All sliding winches can also be welded in place for fixed application. The design of the sliding winch track facilitates self-cleaning for maintenance-free operation. Winch track is for use with sliding winches only (part numbers 2820, 3820 and 5820). Track can be capped on ends or cross-bolted for security.



Storable Disc webbing winches

Disc winches are designed with large disc washers to guide and store the webbing into a straight roll, reducing strap wear. Disc winches can store up to 30' of webbing.

6820-For 3" Webbing





4820-For 2" Webbing

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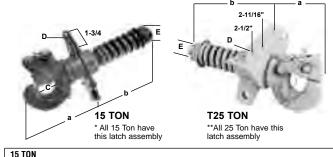


Hooks & Hitches

hOOkS&hITChES

Spring mounted pintle hooks

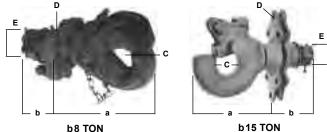
- Do Not weld or modify a ny pintle hook
- · Recommended for off the road equipment American made for use with drawbar eye dimensions
- 2-3/8" to 3" with 1-1/4" to 1-5/8" diameter
- To be mounted on a plate of at least 3/4" thick. For 25 ton and 15 ton.



			Dim	ensions		Max.			
Cat. No.	Part No.	A	В	C	D	E	Vertical Load	Gross Trailer Wt.	Wt. (lbs)
2043100 2044101	*15 Ton **25 Ton	7-7/8 8-3/16	9-11/16 9-11/16	1-7/8 1-7/8	17/32 17/32	1-1/2 1-1/2	4,000 6,000	30,000 50,000	33-1/2 34-1/2
	s feature a f ired by Wall			ly, a hea	vy duty	2" shank	through	both bracke	ts and
T25 TON									
2045102 2046103	*T15 Ton **T25 Ton	6-3/16 6-1/2	11-3/8 11-3/8	1-7/8 1-7/8	17/32 17/32	1-1/2 1-1/2	6,000 6,000	30,000 50,000	41 42
	unting use a Id to pintle I		ng holes w	ith grad	e 8 bolts	, lock n	uts and fl	at washers.	

Swivel mounted pintle hooks

Recommended for off the Road equipment - Do Not weld or modify -American Made



B8 Ton

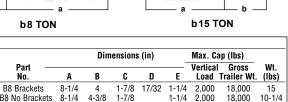
Part

No.

Cat.

No.

2047104



2052109 NB8 No Brackets 8-1/4 For use with drawbar eye dimensions 2" to 3" ID with 1-1/4" to 1-5/8" diameter Specify when ordering military products due to dimensions differential. B-8 MS-51335-1

B15 Ton									
			Dim	ensions	(in)	Max. Ca	ap (lbs)		
Cat. No.	Part No.	A	В	C	D	E	Vertical Load	Gross Trailer Wt.	Wt. (lbs)
2048105 2049106	*B15 **B25	11-1/2 11-11/16	4-3/8 4-3/8	1-7/8 1-7/8	17/32 17/32	1-1/2 1-1/2	3,000 6,000	30,000 50,000	27 28
		g with 2-3/8" s latch asser		latch as	sembly 1	for 25 to	n		

- continues -

Swivel Mounted Pintle Hooks (continued)

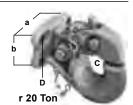
4-1/2 7/8 bolt b 50 TON **b30 TON**

		Dimensions (in)					Max. C		
Cat. No.	Part No.	A	В	C	D	E	Vert. Load	Gross Trailer Wt.	Wt. (Ibs)
2050107 2053110	B30 Brackets NB30 No Brackets	8-3/4 7-3/4	4-15/16 5-7/8	1-3/4 1-3/4	25/32	1-3/4 1-3/4	9,800 9,800	60,000 60,000	38 28
For use with drawbar eye dimensions with 3" ID with 1-5/8" diameter Thread 1-3/4 - 12 UNA 2 Inch Shaft Specify when ordering military products due to dimensions differential. B-30 MS-51118-1									

B50								
		Din	nension	s (in)	Max. (
Cat. No.	Part — No.	Α	В	C	E	Vert. Load	Gross Trailer Wt.	Wt. (lbs)
2051108 2054111	B50 Brackets NB50 No Brackets	8-1/8 6-5/8	6-3/4 8-3/8	1-3/4 1-3/4	2-1/4 2-1/4	20,000 20,000		61 41
For use with drawbar eye dimensions 3" ID with 1-5/8" diameter Specify when ordering military products due to dimensions differential. B-50 MS-51117-1								

r igid mounted pintle hooks Do Not weld or modify

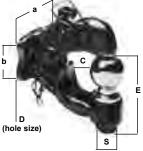
any pintle hook



			Dimensions (in)			Max. C				
Cat. No.	Part No.	A	В	C	=	Vertical Load	Gross Trailer Wt.	Wt. Ea. (lbs)		
IQ09331 2055112 2057115	R5-Ton R7 Ton R12 Ton	3-3/8 3-3/8 3-3/8	1-3/4 1-3/4 1-3/4	3/4 2 1-7/8	17/32 17/32 17/32	2,000 2,000 4,000	10,000 14,000 24,000	8 8-1/2 10-1/2		
2056113 2057114	R15 Ton R20 Ton	3-3/8 3-3/8	1-3/4 1-3/4	1-7/8 1-7/8	17/32 19/32	6,000 6,000	30,000 40,000	11 12-1/4		
Specify When Ordering Military Products Due To Dimensions Differential. For use with Drawbar for following 2-3/8" to 3" ID										

Dual purpose hitch

with dual locking assembly. Do Not weld or modify American Made



									Cap (lbs)		
Cat.	Part		Dimensions (in)				S Shank	Ball	Ball	Pintle	Wt. Ea.
No.	No.	A	В	C	D	Е	Size	Size	Hitch	Hook	(lbs)
2076118	DPH1780	3-3/8	1-3/4	2	17/32	4-3/16	1	1-7/8"	6000	8000	13
2077119	DPH2000	3-3/8	1-3/4	1-7/8	17/32	4-3/16	1	2"	10,000	16,000	13
2078120	DPH2516	3-3/8	1-3/4	1-7/8	17/32	4	1	2-5/16"	10,000	16,000	14
2331223	DPH50mm	3-3/8	1-3/4	1-7/8	17/32	4-3/16	1	50 m m	10,000	12,000	13
Patent 4434996 - Finish - Black/Chrome Ball								Pac	kaged - I	ndividua	ally

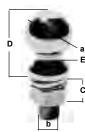
Patent 4434996 - Finish - Black/Chrome Ball All DPH balls are interchangeable. All Max. Vertical Load - 3,000 lb.

DPH balls are not a standard ball! Please call for replacement balls!

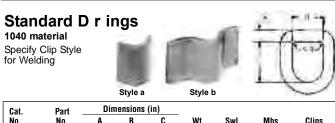


Hooks & Hitches/Flatbed Accessories

ball hitches



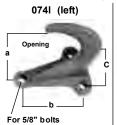
Chrome B	all Hitches							
Cat.	Part		Din	nensions	(in)		Max. Trailer	Wt. Ea
No.	No.	Α	В	C	D	E	Wt. (lbs)	(lbs)
2324216	CBH1A	1-7/8	3/4	1-3/4	2-5/8	29/32	2,000	1-1/2
2357126	CBH2A	2	3/4	1-3/4	2-3/4	29/32	3,500	1-3/4
2325217	CBH3A	2	1	2	2-11/16	1-1/8	5,000	2
2326218	CBH4A	2-5/16	1-1/4	2-1/8	3-1/8	1-1/4	7,500	4-1/2
2356248	CBH5A	2-5/16	1	2	2-5/8	1-1/4	5,000	3
Long Shai	ık							
2325215	CB1A	1-7/8	3/4	2-1/4	2-5/8	29/32	2,000	1-1/2
2325216	CB2A	2	3/4	2-1/4	2-3/4	29/32	3,500	1-3/4
High Stree	ıgth Balls							
2358127	CBH8A	2	1	2-1/4	2-5/8	1-1/16	10,000	2-1/2
2325200	CBH9A	2-5/16	1	2-1/4	2-5/8	1-1/8	10,000	3
2325201	CBH10A	2-5/16	1-1/4	3	3-7/16	1-1/8	20,000	5
2325222	CB3A	2-5/16	1-1/4	2-5/8	3-3/8	1-21/64	30,000	5
2083163	BH5A	3	2	3-1/4	4-1/2	1-9/16	20,000	11-1/2

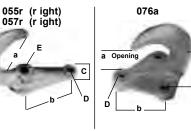


No.	No.	Α	В	C	Wt.	Swl.	Mbs	Clips
2327219	1/2	1/2	2-1/4	2-1/2	1	4,000	12,000	В
2328220	5/8	5/8	3	3	2	6,000	19,000	A or B
2022167	5/8	5/8	2-3/4	3-1/2	2-1/4	6,000	19,000	A or B
2022168	3/4	3/4	3	3	4-1/4	9,000	27,000	А
2329221	1	1	3	3	4-1/2	15,000	47,000	A
2330222	1	1	3	4	5	15,000	47,000	Α

Tow hooks

Do Not Weld or Modify





Cat.	Part	Din	nensions	Gross	Wt. Ea.				
No.	No.	A	В	C	Trailer Wt.	(lbs)			
2072137	072137 074 R or L		4-1/2	2-3/4	17,000	4			
Finish - Black American Made									

Cat.	Part		Din		Gross	Wt. Ea.		
No.	No.	Α	В	C	D	Е	Trailer Wt.	(lbs)
2316209	0-53 Extra Heavy	3	4-3/16	1-1/2	21/32	25/32	44,500	8
2074139	055	2-1/2	4-3/16	1-1/2	21/32	25/32	15,000	5
2073138	057	1-7/8	1-15/16	1-1/8	33/64	33/64	10,000	1-3/4
Finish - Bl	ack		in Diabte					

0-53, 055, and 057 are available in Rights and Lefts

Cat.	Part		Dimens	ion (in)	Gross	Wt. Ea.	
No.	No.	Α	В	C	D	Trailer Wt.	(lbs)
2075140	076A	2-3/8	2-1/2	2-13/16	5/8	20,000	4
Finish - Black	Americ	an Made					

r eces I ashi Formed 1, encloses	n g r ir /8" steel p	an	Ĉ		
Cat. No.	Part No.	Rated cap (lbs)	Finish	Wt. Ea. (Ibs)	
2383154	WF55801	5000	Zinc Plated	1.25	

Truck bed Tiedown a ssemblies

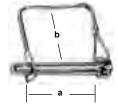
3/8" g rade 70 Chain - patent 3865048	
(1) When not in use, sets flush with truck floor bed.	
(2) Easy finger tip pull out.	

Cat. No.	Part No.	Rated Cap. (lbs)	Wt. Ea. (lbs)
2024169	Tiedown	5400	3-3/4
Use 2-3/8"	drill for hole	e through floo	r

Snapper pins

Popular quick connect and disconnect pins.

Product Code	Pin Dia. (in)	Useable Length (A) - in	Clearance (B)- in	Wt. Ea. (oz)
2312801	1/4	1-3/4	1-1/2	1
2312802	5/16	2-1/4	1-5/8	2
2312803	3/8	1-1/4	1-1/2	2
2312804	3/8	2	1-1/2	2
2312807*	1/4	2-3/8	1-3/4	1
2312808	1/4	3	1-1/2	1
2312809	1/4	3-1/2	1-1/2	2



weldable

*Snapper Pin 2312807 Used on Pintle Hooks (1/4 x 2-3/4), except on 33 ton, 30 ton swivel and 50 ton.

FI aTbED a CCESSOr IES

winch bars All winch bars feature a

37030 - Standard Bar (Painted)

knurled non-slip handle, a tapered carbon steel nose piece for strength and easy operation. Combination bars have modified handles for use in tightening chain binders.



37033 - Combination Bar (Chrome Plated)

Corner protectors

Corner protectors are designed to protect both strap and cargo. Plastic protectors feature a corner recess to protect the cargo edges. Rubber protectors conform to the load to evenly distribute corner loads. NOTE: Straps must be threaded through captive corner protectors.



(2" - 4")

37022 - Rubber (2"- 3")

web protectors

Tough, abrasion resistant bulked nylon protective sleeving available in 300' rolls.

also available: CS20-012 -12" cut length. FE101A-012 -12" cut length.

u 100 u 1		20 012 1	2 outlong	
Part No.	Fits Webbing Size (in)	Color	Grade	
CS10 CS20	1 1-3/4 or 2	Black Black	Std. Std.	
FE101A	1-3/4 or 2	Olive Drab	Heavy Duty	
CS30 CS40	3 4	Black Black	Std. Std.	





Complete Contractor and Industrial Supplier • Sling and Rigging Specialist Since 1930 Visit us online at www.hanessupply.com

Load Securement

Flatbed Accessories/Straps

Floor Chain Tie-Down

Floor Chain Tie-Down is for use on steel frame flatbed trailers. It is a selfstoring, convenient anchor point for securing loads and mounts flush with the trailer deck to prevent interference during loading or unloading.





Heavy Duty Grade 70

• WLL: 6,000 lbs. • Weight: 3.2 lbs.

Standard Grade 43
 WLL: 5,000 lbs. • Weight: 3.2 lbs.

welding r equirements for 10421 & 10423

Minimum welding requirements are: 1/4" fillet weld, around entire contact surface and 1/8" penetration.

Tarp Ties

These durable ties hold tarps securely and provide constant tension. Reinforced ends give added life. Tarp ties come with S-Hooks attached and are packaged 50 per box.

a Iso a vailable: 2200 - Spare S Hooks, 100 per box

	Wt. Per. 50 Pcs. (Ibs	Length Min Max. (in)	Installed Length (in)	Overall Length (in)	Strap Part No.
- 6	10	15 - 19	14	10	ON 36000
	12	21 - 30	19	15	ON 36020
	15	28 - 42	25	21	ON 36040
	19	39 - 62	35	31	ON 36060
	25	50 - 82	45	41	ON 36080

STr a pS

r atchet Straps - Designed to handle most types of flatbed tiedown requirements. All straps have an 18" fixed end as standard, except for straps with 3705-2 and 3705-3 chain anchors which have a fixed end of 30". Special length fixed ends are available as a special order. All ratchet straps are labeled to meet CVSA guidelines, DOT regulations and WSTDA recommended standards. Alternate end hardware available.

2" r atchet Strap w/802 Standard Handle and 2004 Webbing 10,000 lb. breaking Strength

Strap Length	End Hardware	WLL	P ST	-
27' 30'	1015 Flat Hook	3,335 lbs. 1515 kgs.	3	
27'	3705-2 Chain Anchor	3,335 lbs. 1515 kgs.	000	5 3

2" r atchet Strap w/804 Wide Handle and 2004 Webbing 10,000 lb. breaking Strength

Strap Length	End Hardware	WLL	TE	-
27'	1015	3,335 lbs.		
30'	Flat Hook	1515 kgs.	in the second	California
27'	3705-2 Chain Anchor	3,335 lbs. 1515 kgs.	1.00	- Ex
27'	1006 Wire Hook	3,335 lbs. 1515 kgs.	TE	79

2" r atchet Strap w/803 Long Wide Handle and 2004 Webbing 10,000 lb. breaking Strength

Strap Length	End Hardware	WLL
27'	1015	3,335 lbs.
30'	Flat Hook	1515 kgs.

3" r atchet Strap w/806 Long Handle and 3004 Webbing

End Hardware	WLL	(18P)
1021-3 Flat Hook	5,000 lbs. 2270 kgs.	15,000 lb. breaking Strength
End Hardware	WLL	1780 mm
3705-3 Chain Anchor	5,400 lbs. 2450 kgs.	
3704 Grab Hook	5,400 lbs. 2450 kgs.	LE Bay
	Hardware 1021-3 Flat Hook End Hardware 3705-3 Chain Anchor 3704	Hardware WLL 1021-3 Flat Hook 5,000 lbs. 2270 kgs. End Hardware WLL 3705-3 Chain Anchor 5,400 lbs. 2450 kgs. 3704 5,400 lbs.

4" r atchet Strap w/808 Long Handle and 4004 Webbing

Strap Length	End Hardware	WLL	HT	-
27' 30'	1021-3 Flat Hook	5,000 lbs. 2270 kgs.	15,000 lb. breaking Strength	13
Strap Length	End Hardware	WLL	CAR	-
27' 30'	1016 Wire Hook	6,600 lbs. 2995 kgs.	20,000 lb. breaking Strength	1

Strap-a IITm 1" Straps - We offer a full line of one-inch ratchet and utility straps. These versatile tie-downs can be used on pick-up trucks, car top racks, boat trailers or anywhere a light duty tie-down is needed.

r atchet Strap with 800 r atchet, wire hooks and D r ings • Breaking Strength: 2,500 lbs./1135 kgs. • WLL: 835 lbs./380 kgs.



- utility Strap with 605 Cam buckle and wire hooks • Breaking Strength: 1,200 lbs. • WLL: 400 lbs.
 - 751281 12'
- utility Strap with 810 r atchet and vinyl Coated S hooks • Breaking Strength: 1,200 lbs. • WLL: 400 lbs.



Securement



Straps/Tracks/Bars

I ogistic Straps - Designed to take care of most interior van loading requirements. All straps have a 4' fixed end as standard. Adjustable ends are sewn captivated.

2" I ogistic Straps w/811 Ratchet Buckle and 4900 Webbing

Strap Length (ft)	End Hardware	Assy. Breaking Strength	WLL
12	Series E, A FE8306-1 Spring Fitting	3,000 lbs. 1360 kgs.	1,000 lbs. 455 kgs.
16 20			
12	Series E, A		
16	43020-1 3-Piece	3,000 lbs. 1360 kgs.	
20	Fitting		
12	Series F 1831	1,250 lbs.	420 lbs.
16	Butterfly	570 kgs.	420 lbs. 195 kgs.
20	Fitting		
12	Series F FE8427-1 Plate Trailer Hook	2,200 lbs. 1000 kgs.	735 kgs. 335 kgs.
16			
20			

Tr a Ck

I OCISTIC Track - We offer a complete line of series E, A and F track designed to provide the attachment point for a wide variety of interior van cargo control systems.

Logistic Track will accept all end fittings, sockets, beams and bars designed for use in series E, A and F track.

Series E and A track are offered standard in 10' length with special lengths available upon request. (Call Hanes Supply for complete details) Tracks can be attached with screws, rivets or by welding. Specific fastener size and or mounting method should be determined by the vehicle manufacturer or a qualified installer. Care shall be taken to ensure that installation environments and materials do not create a potential for corrosion.

FE718-01

Series E Track horizontal

- Material: High strength steel; 12 gauge • Weight: 16.6 lbs.
- Min. Yield: 50,000 psi. Length: 10 ft.
- Finish: 43002 Paint; FE718-01 Galv.
- * Also Available: 43002-060 Length: 5ft.

2.00

44

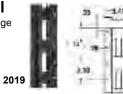
1.00

Series E Track vertical

- Material: High strength steel; 11 gauge
- Min. Yield: 50,000 psi.

43002

- Finish: Paint
- Weight: 14.2 lbs
- Length: 10 ft.



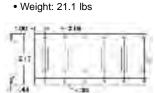
Finish: Paint

heavy Duty Series a Track horizontal

- Material: High strength steel; 11 gauge
- Min. Yield: 50.000 psi. • Length: 10 ft.

FE702-01





a luminum Series a Track horizontal • Material: Aluminum

- Weight: 8.3 lbs.
 - Length: 10 ft.

• Finish: Natural

• Min. Yield: 35,000 psi.





bar S

Series F & SaF-T-I ok bars - Saf-T-Lok bars are designed for economy and ease of operation. These bars are offered in galvanized steel tubing and feature a steel rack, a heavy duty steel handle and a cast aluminum painted housing. Molded rubber fixed feet are welded to both ends of the steel tubing and grip firmly to trailer walls, yet won't scuff and will remain pliable even at low temperatures. The handle and trigger release are easy to operate even with gloved hands.

Steel Tube w/welded Foot Saf-T-I ok bar

10082 • Adjusts from: 89" to 105" • Weight: 11.8 lbs.

Steel Tube w/pivoting Foot Saf-T-I ok bar

10085 • Adjusts from: 89" to 105" • Weight: 11.8 lbs.

a luminum Tube w/pivoting Foot Saf-T-I ok bars 10088 • Adjusts from: 89" to 105" • Weight: 8.3 lbs.

Jack bars

r ound galvanized One-piece Jack bars

The JB 102 jack bars are constructed of round galvanized steel tubing.

All and a second s	
1	
Jb102 - a djusts from: 86" to 1	04" weight

: 12.3 lbs.

Square galvanized One-piece Jack bars

The JB 103 square jack bars are constructed of heavy wall galvanized steel tubing for increased strength and durability.



Jb103 - a djusts from: 86" to 104" weight: 15.9 lbs. NOTE: Cargo bars do not have load ratings due to varying conditions of trailer side-walls. Cargo hoop set available for use with all jack bars.

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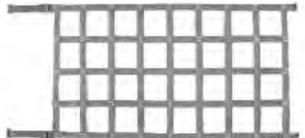


Cargo Nets/Hardware

CargONETS:

Cargo Nets are made to each customer's exacting specifications and provide durable and reliable load securement or separation for flatbed, interior van trailer and a variety of other cargo restraint applications; therefore, no "standard" configurations shall be inventoried.

Every cargo net is manufactured consistently and efficiently to ensure optimum quality and customer satisfaction.



Common hardware Options for Cargo Nets

FE8427-1

Plate Trailer Hook





1027

2" D-Ring

FE7900-1 2" Snap Hook

2" Snap Hook

34035-37

1-3/4" Round Ring

1007 2" Narrow Hook

har Dwar E

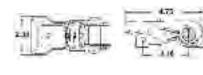
r atchet buckles - Hanes Supply offers a complete line of ratchet buckles to handle all types of tie-down applications. All buckles are designed for strength, durability and ease of operation. Ratchet buckles are available for webbing widths 1" to 4" with various handle configurations to satisfy user preferences.

Operating Instructions: To tension: Pull webbing through reel bars to eliminate slack. Operate handle back and forth until webbing is properly tensioned. Reel bars must have at least two wraps of webbing to ensure no slippage. Wrench drive models require the use of a socket or wrench. **To release:** Pull handle pawl back and rotate handle over center to full open position.

1" wide handle r atchet buckle

- Breaking Strength: 3,300 lbs. Weight: 0.77 lbs.
- Working Load Limit: 1,100 lbs.





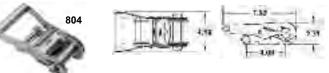
2" Standard handle r atchet buckle

- Breaking Strength: 11,000 lbs. Weight: 2.34 lbs.
- Working Load Limit: 3,670 lbs.



2" wide handle r atchet buckle

- Breaking Strength: 11,000 lbs. Weight: 2.46 lbs.
- Working Load Limit: 3,670 lbs.



3" I ong handle r atchet buckle

- Breaking Strength: 17,000 lbs. Weight: 7.05 lbs.
- Working Load Limit: 5,670 lbs.



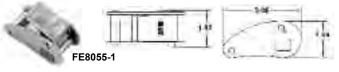
4" I ong handle r atchet buckle

- Breaking Strength: 24,000 lbs. Weight: 7.94 lbs.
- Working Load Limit: 8,000 lbs.



1" Cam buckle

- Breaking Strength: 2,500 lbs. Weight: 0.44 lbs.
- Working Load Limit: 835 lbs.
 Webbing: 30100 or FE174



1" Flat hook

- Breaking Strength: 700 lbs. Weight: 0.04 lbs.
- Working Load Limit: 235 lbs.



2" Flat hook

- Breaking Strength: 5,500 lbs. Weight: 0.44 lbs.
- Working Load Limit: 1,835 lbs.

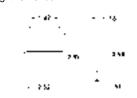


2" Flat hook

• Breaking Strength: 10,000 lbs. • Weight: 0.73 lbs.

• Working Load Limit: 3,335 lbs.







Load Securement Hardware/Wire Hooks & Chain Attachments

4" Flat hook

- Breaking Strength: 15,000 lbs. Weight: 1.06 lbs.
- Working Load Limit: 5,000 lbs.





2.85

1" Snap hook

- Breaking Strength: 5,500 lbs. Weight: 0.20 lbs.
- Working Load Limit: 1,835 lbs.





2" Snap hook

- Breaking Strength: 6,000 lbs. Weight: 0.41 lbs.
- Working Load Limit: 2,000 lbs.





2" Snap hook

- Breaking Strength: 10,000 lbs. Weight: 0.61 lbs.
- Working Load Limit: 3,335 lbs.





2" Twisted Snap hook

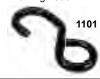
- Breaking Strength: 10,000 lbs. Weight: 0.61 lbs.
- Working Load Limit: 3,335 lbs.





WIRE HOOKS & CHAIN ATTACHMENTS: 1" vinyl Coated S hook

- Breaking Strength: 1,200 lbs.
 Weight: 0.30 lbs.
- Working Load Limit: 400 lbs.



00 lbs.

1" vinyl Coated S hook

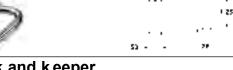
- Breaking Strength: 500 lbs. Weight: 0.14 lbs.
- Working Load Limit: 170 lbs.





1" Narrow hook

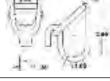
- Breaking Strength: 2,500 lbs. Weight: 0.11 lbs.
- Working Load Limit: 835 lbs. 1003



1" hook and keeper

- Breaking Strength: 9,000 lbs. Weight: 0.25 lbs.
- Working Load Limit: 3,000 lbs.





2" Narrow hook

- Breaking Strength: 10,000 lbs.
 Weight: 0.58 lbs.
- Working Load Limit: 3,335 lbs.



• Weight: 0.58 lbs.

2" Narrow hook

- Breaking Strength: 5,000 lbs. Weight: 0.37 lbs.
- Working Load Limit: 1,670 lbs.



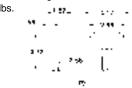
os.

3" Narrow hook

• Breaking Strength: 22,000 lbs. • Weight: 1.39 lbs.

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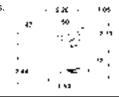
• Working Load Limit: 7,333 lbs.



3/8" g rab hook a ssembly

- Breaking Strength: 16,200 lbs. Weight: 1.22 lbs.
- Working Load Limit: 5,400 lbs.





18" Chain a nchor

- Breaking Strength: 16,200 lbs. Weight: 2.89 lbs.
- Working Load Limit: 5,400 lbs.



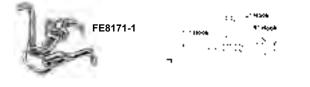




Load Securement Wire Hooks & Chain Attachments/Specialty Hardware

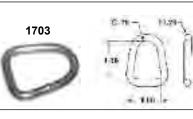
Cluster hook r TJ

- Breaking Strength: 11,600 lbs. Weight: 2.23 lbs.
- Working Load Limit: 3,900 lbs.
- R-Hook (GM & Chrysler), T-Hook (Ford), J-Hook (Import)



1" D-r ing

- Breaking Strength: 5,000 lbs.
- Weight: 0.07 lbs.
- Working Load Limit: 1,670 lbs.



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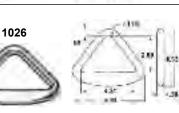
1.10

2" Flat Delta r ing

- Breaking Strength: 10,000 lbs.
- Weight: 0.29 lbs.
- Working Load Limit: 3,335 lbs.

4" Delta r ing

- Breaking Strength: 20,000 lbs.
- Weight: 1.36 lbs.Working Load Limit: 6,670 lbs.



I ogistic Track Fittings Series E/a Spring I oaded Fitting

- Breaking Strength: 4,500 lbs. Weight: 0.21 lbs.
- Working Load Limit: 1,500 lbs.

SPECIALTY HARDWARE

black pan Fitting with r ing & Stud

0° Ring Vertical Breaking Strength: 3,000 lbs./1360 kgs. 45° Ring Pull Angle Breaking Strength: 2,500 lbs./1135 kgs. 0° Stud Vertical Breaking Strength: 5,000 lbs./2270 kgs. 45° Stud Pull Angle Breaking Strength: 2,000 lbs./910 kgs. weight: .32 lbs.







