

LOAD HUGGER CARGO CONTROL

WINCH STRAP ASSEMBLIES AND WINCHES

Series 12,000, Load Huggers 3 & 4 inch Wide Polyester Winch Assemblies

- Series 12,000 *Load Huggers* are made for securely mounted winches on flat bed trucks and trailers.
- Ultimate strength 15,000 lbs.
- Working load limit 5,000 lbs.
- Standard assemblies in 3" or 4" widths and 27' or 30' lengths
- Wear pads and corner protectors extend life of *Load Hugger* (see page 104)
- Captive end loops optional
- To order non-standards - specify width, length, and end fitting

Winches must be properly installed with ratchet pawl on top of toothed wheel to help prevent accidental disengagement.



Standard Winch #61222
For 3" & 4" Series 12,000
Load Huggers -7.8 lbs.



Portable Winch #61221
For 3" & 4" Series 12,000
Load Huggers - 8.8 lbs.



Winch Bar #61223
For use with 61221 and 61222 - 4.8 lbs.

$\frac{5}{8}$ " Hook Opening		Fits Over 2 $\frac{1}{2}$ " Diameter Load Pin		$\frac{3}{8}$ " High Test Grab Hook		One Foot of $\frac{3}{8}$ " High Test Chain & Grab Hook		7" Eye	
Flat Hook Assemblies	Wt. (lbs.)	Forged Triangle Assemblies	Wt. (lbs.)	Grab Hook Assemblies	Wt. (lbs.)	Chain Anchor Assemblies	Wt. (lbs.)	Sewn Eye Assemblies	Wt. (lbs.)
4"x27' #61201	4.0	#61205	4.4	#61209	4.2	#61213	6.0	#61217	3.0
4"x30' #61202	4.6	#61206	5.0	#61210	4.8	#61214	6.6	#61218	3.6
3"x27' #61203	4.4	#61207	4.8	#61211	4.6	#61215	6.4	#61219	3.4
3"x30' #61204	4.8	#61208	5.2	#61212	5.0	#61216	6.8	#61220	3.8
Most popular end fitting. Fits over rub rail or stake pocket.		Fits over permanently secured anchors on flat bed.		Locks into stake pocket under load or into $\frac{3}{8}$ " high test grade 70 binder chain.		Same as grab hook with one foot of chain to help reduce webbing wear.		Hooks over permanently secured anchor.	

WEAR PADS AND CORNER PROTECTORS

Sliding Sleeve

- Double walled tubular product
- Specify length when ordering
- Protects Load Hugger webbing from abrasion and helps resist cutting

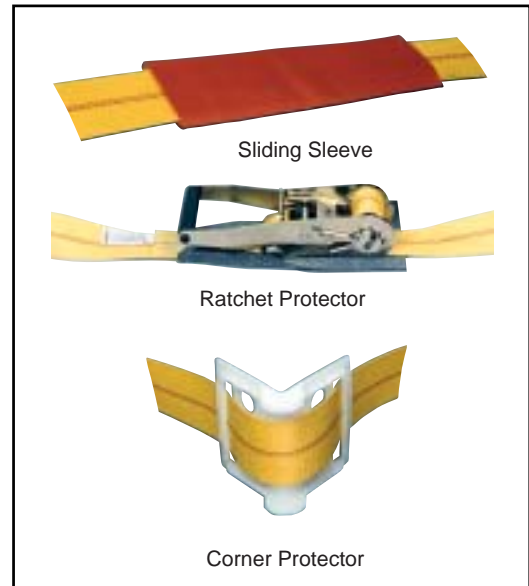
Ratchet Protector

A sewn fabric pad used to protect surface finish of cargo and ratchet mechanism. Specify with order.

Corner Protector

A movable, rust-proof copolymer corner guard. Protects Load Hugger from sharp corners. Tough enough to be used with either chain or webbing.

For other wear pad options, see pages 116-119 in the Accessories section.



E - TRACK AND VAN INTERIOR ASSEMBLIES

To order non-standard interior van restraint assemblies specify:

- Overall length
- Fixed Length
- Cam buckle or ratchet buckle
- Spring loaded E-Track, 3 piece E-Track or any of the end fittings listed in Series 5,000 *Load Huggers* (page 103) may be attached
- Ultimate Assembly Strength: 2,500 lbs. with Cam Buckle
3,000 lbs. with Ratchet
- Working load limit: 800 lbs. with Cam Buckle
1,000 lbs. with Ratchet Buckle
- E-Track only works with E-Track fittings

Standard E-Track Straps	Wt. (lbs.)	Part No.
2" x 12' Cam Buckle/Spring E Track Fittings - Yellow	1.6	#60805
2" x 16' Cam Buckle/Spring E Track Fittings - Gray	1.7	#60806
2" x 20' Cam Buckle/Spring E Track Fittings - Blue	1.8	#60807
2" x 12' Ratchet/Spring E Track Fittings - Yellow	2.0	#60808
2" x 16' Ratchet/Spring E Track Fittings - Gray	2.1	#60809
2" x 20' Ratchet/Spring E Track Fittings - Blue	2.3	#60810

Van interior restraint assemblies are only as strong as the anchor or track to which they are attached.



Cam Buckle and 3 Piece E-Track Fitting



Spring Loaded E-Track Fitting (standard)



Horizontal E-Track #60801
12 Ga. Steel - Primed
10 ft. Sections - 16 lbs.



Vertical E-Track #60802
12 Ga. Steel - Primed
10 ft. Sections - 13 lbs.

Note: E-Track can be cut into lengths suitable for UPS shipments.

TIE DOWN CHAIN AND BINDERS

Load Huggers

Tiedown Chain - Boomers (Grab hook each end)		Wt. (lbs.)	Part No.
$\frac{5}{16}$ x 20' G-70 Yellow Dichromate-Welded Hooks	21.0	#16001	
$\frac{3}{8}$ x 20' G-43-Self-colored-Welded Hooks	32.0	#16002	
$\frac{5}{16}$ x 20' G-70 Yellow Dichromate-Clevis Hooks	21.0	#16005	
$\frac{3}{8}$ x 20' G-43-Self-colored-Clevis Hook	32.0	#16006	
Load Binders			Part No.
$\frac{5}{16}$ - $\frac{3}{8}$ Lever Style	8.0	#16004	
$\frac{5}{16}$ - $\frac{3}{8}$ Ratchet Style	12.0	#16003	



Tiedown Chain - Boomers (Grab hook each end)



Load Binders

RATCHET ASSEMBLIES

Type B Assemblies

Two piece assemblies with one 12" nominal fixed length** end and one adjustable length end. Numerous end fittings are available to handle any requirements. (See following page)

- Series 1,000**
- 1" wide polyester webbing
 - Ultimate strength - 2,100 lbs. *
 - Working Load Limit - 700 lbs. *



- Series 5,000**
- 2" wide polyester webbing
 - Ultimate strength - 5,000 lbs.
 - Working Load Limit - 1,600 lbs.



- Series 10,000**
- 2" wide polyester webbing
 - Ultimate strength - 10,000 lbs.
 - Working Load Limit - 3,300 lbs.



- Series 15,000**
- 3" or 4" wide polyester webbing
 - Ultimate strength - 15,000 lbs.
 - Working Load Limit - 5,000 lbs.



Type A Assemblies

One piece (endless) assembly for use without end fittings.



* When using flat hooks in Series 1,000, ultimate strength is 1,000 lbs., working load limit is 330 lbs.

** When using chain anchor fittings, fixed end length is 24".

1" TIEDOWN ASSEMBLIES

Webbing Ultimate Strength *(lbs.) Working Load Limit (lbs.)	Series 1,000			
	1" Wide Polyester 2,100 with Ratchet** / 1,000 with Cam 700 with Ratchet** / 330 with Cam			
	Buckle	Length	Part No.	Weight (lbs.)
Flat Hook 	Ratchet	10'	#60102	1.0
	Cam	10'	#60110	.6
Stamped Snap Hook 	Ratchet	10'	#60104	1.4
	Cam	10'	#60113	.9
U-Hook 	Ratchet	10'	#60101	1.0
	Cam	10'	#60109	.6
Hook & Keeper 	Ratchet	10'	#60105	1.4
	Cam	10'	#60114	1.0
Open Hook (Vinyl Coated or Zinc Plated)  (Vinyl Hook shown)	Ratchet VC Hook	10'	#60103	1.6
	Ratchet ZP Hook	10'	#60106	1.5
	Cam VC Hook	10'	#60111	1.2
	Cam ZP Hook	10'	#60112	1.1
Type A (Endless)  (Series 1,000 Cam Buckle shown)	Ratchet	10'	#60107	.8
	Cam	10'	#60108	.4

Note: Because end terminations vary proportionally with size, check with Lift-All if critical dimensions are required. Non-standard lengths available upon request.

* Ultimate strength of assembly when new.

** Exception: When used with Flat Hooks, 1" Ratchet Assembly rating is 1,000 lbs. ULTIMATE STRENGTH and 330 lbs. WORKING LOAD LIMIT.

Our popular 1" Ratchet Tiedown with vinyl coated Open Hooks is now available in 15 foot lengths in a 16 piece display box.









Refer to Part No. 60103B15



LOAD HUGGER CARGO CONTROL



RATCHET ASSEMBLIES







Webbing Ultimate Strength * Working Load Limit	Series 5,000				Series 10,000			
	2" Wide Polyester 5,000 lbs. 1,600 lbs.				2" Wide Polyester 10,000 lbs. 3,300 lbs.			
	Buckle	Length	Part No.	Weight (lbs.)	Buckle	Length	Part No.	Weight (lbs.)
Flat Hook  (Series 10,000 shown)	Ratchet	27'	#60501	4.6	Ratchet	27'	#61001	5.8
		30'	#60502	4.8		30'	#61002	6.0
Stamped Triangle  (Series 5,000 shown)	Ratchet	27'	#60503	4.2	Ratchet	27'	#61003	5.2
		30'	#60504	4.4		30'	#61004	5.4
Stamped Snap Hook  (Series 10,000 shown)	Ratchet	27'	#60505	4.6	Ratchet	27'	#61005	6.2
		30'	#60506	4.8		30'	#61006	6.4
Twisted Snap Hook  (Series 10,000 shown)	Ratchet	27'	#60507	5.2	Ratchet	27'	#61007	5.6
		30'	#60508	5.4		30'	#61008	5.8
Forged Snap Hook  (Series 10,000 shown)	Ratchet	27'	#60509	5.8	Ratchet	27'	#61009	6.4
		30'	#60510	6.0		30'	#61010	6.6
D-Ring 	Ratchet	27'	#60511	4.2				
		30'	#60512	4.4				
U-Hook 	Ratchet	27'	#60513	4.6	Ratchet	27'	#26422	5.8
		30'	#60514	4.8		30'	#26423	6.0
Hook & Keeper 	Ratchet	27'	#60515	4.8				
		30'	#60516	5.0				
Type A (Endless)  (Series 5,000 Ratchet Buckle shown)	Ratchet	27'	#60517	3.8	Ratchet	27'	#61011	4.4
		30'	#60518	4.0		30'	#61012	4.6

Note: Because end terminations vary proportionally with size, check with *Lift-All* if critical dimensions are required. Non-standard lengths available upon request.

* Ultimate strength of assembly when new.

LOAD HUGGER CARGO CONTROL

RATCHET ASSEMBLIES

Webbing Ultimate Strength * Working Load Limit	Series 15,000							
	3" Wide Polyester 15,000 lbs. 5,000 lbs.				4" Wide Polyester 15,000 lbs. 5,000 lbs.			
	Buckle	Length	Part No.	Weight (lbs.)	Buckle	Length	Part No.	Weight (lbs.)
Flat Hook 	Ratchet	27'	#20482	12.8	Ratchet	27'	#26424	13.6
		30'	#20483	13.2		30'	#26425	14.0
Forged Triangle 	Ratchet	27'	#20484	14.0	Ratchet	27'	#26430	14.8
		30'	#20485	14.4		30'	#26431	15.2
Chain Grab Hook 	Ratchet	27'	#20486	13.4	Ratchet	27'	#26426	14.2
		30'	#20487	13.8		30'	#26427	14.6
Chain Anchor Assembly 	Ratchet	27'	#20488	16.8	Ratchet	27'	#26432	17.6
		30'	#20489	17.2		30'	#26433	18.0
Sewn Eye 	Ratchet	27'	#20490	11.0	Ratchet	27'	#26428	11.8
		30'	#20491	11.4		30'	#26429	12.2
Type A (Endless) 	Ratchet	27'	#20492	10.6	Ratchet	27'	#26434	11.4
		30'	#20493	11.0		30'	#26435	11.8