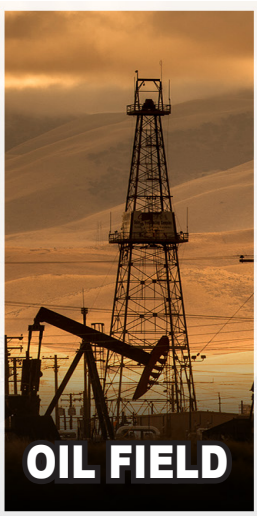
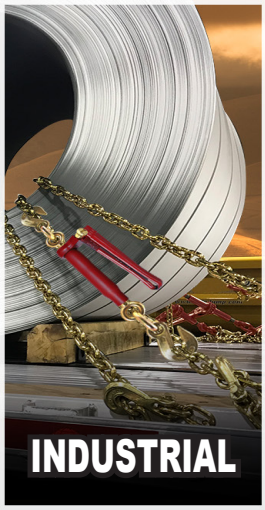
DURABILT by DURBIN



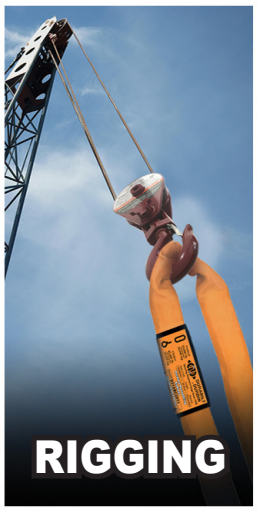


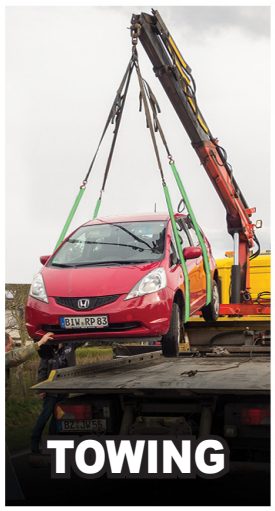


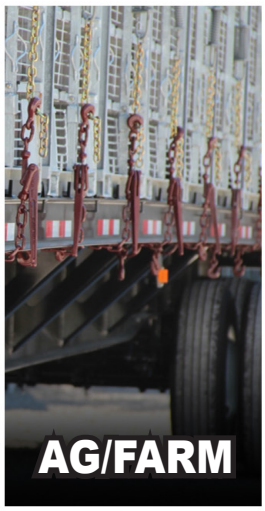












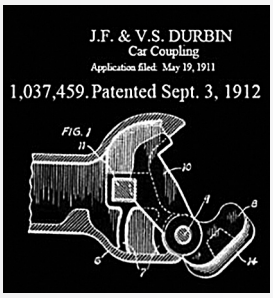


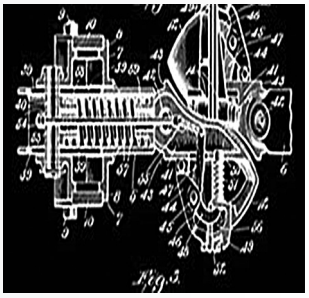


Generations of Engineering

Over 100 Years

The Durbin name has been associated with high-quality load securement and material handling products for over 100 years. Our family name has innovated products that have awarded us dozens of patents from 1913 - 2017. For in-depth information, see the 'About Us' at durabiltusa.com.









Durbin Durco Inc. was started by V. S. "Took" Durbin Jr. and the company attained substantial success even after his death in 1976. In 1992 the assets of the company were sold. Then in 1994 "Took's" youngest son would go on to start the current world leader in quality – Durabilt by Durbin.

(**Left** – Took Durbin; **Right** is Took Durbin with son Thomas J. Durbin)

From day one, Durabilt has been the benchmark for quality in the Binder industry and continues to manufacture cargo control, load securement, towing and material handling products to the highest standards available in the market today.

If you have customers that lift, pull, position, tow, drag, tie-down or lash their products, Durabilt is your Quality Source. Welcome aboard, it is our pleasure to serve you with world class solutions, now serving over a dozen industries world wide.



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Remembering 1938..

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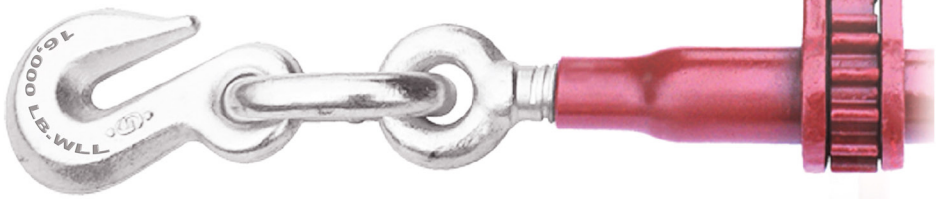
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Your Broadest Selection of Ratchet Binders in the Industry

Meets or Exceeds DOT, FMCSA 40, CHP, CSVA, and WSTDA Standards and Requirements.

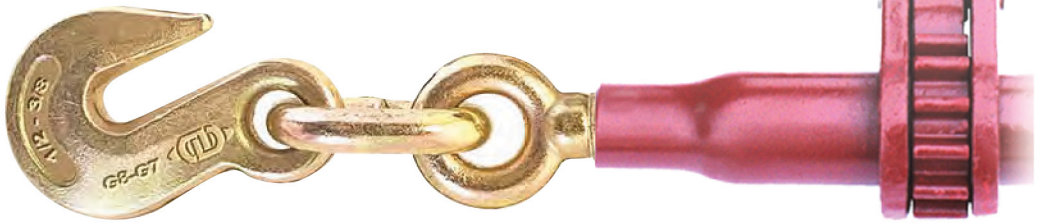
When Heavy Haul Requirements Are Needed - **TITAN (DR-X)**



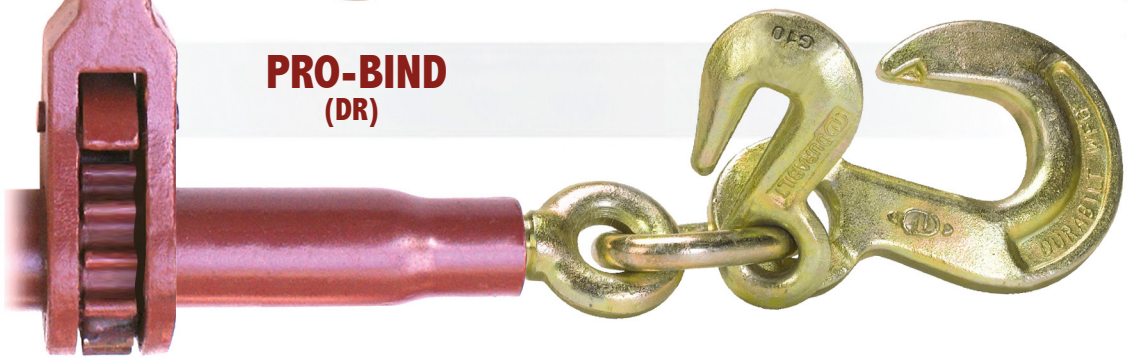
TRUCK-TIGHT (DTT) - Open Handle and Spring Design



The Pro's Workhorse - **PRO-BIND (DR)**



PRO-BIND (DR)



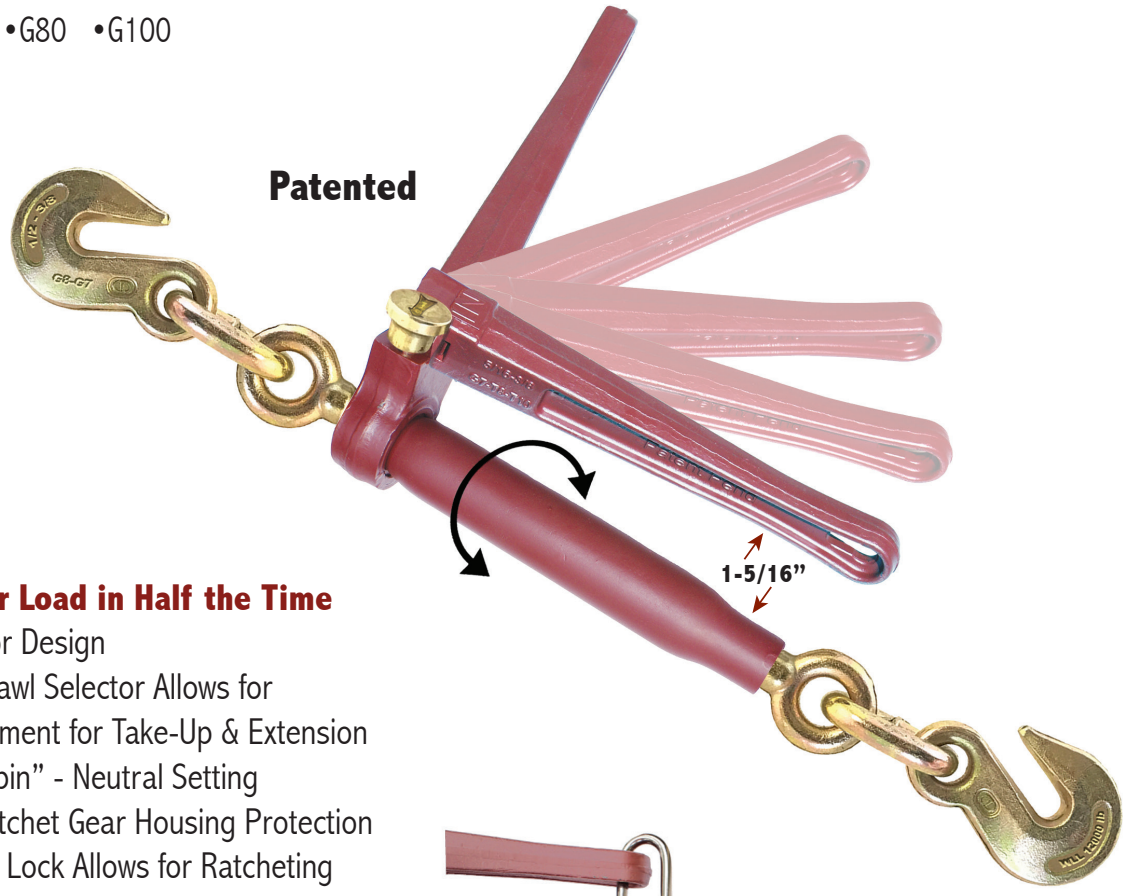
WARNING - DO NOT EXCEED WORK LOAD LIMIT

(DFX) DuraFold Series

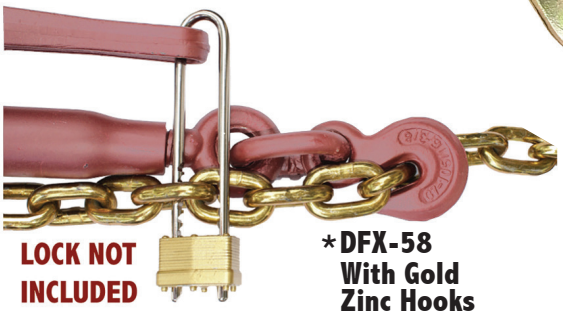
STRONGER, FASTER, SAFER

Certified for use with:

•G70 •G80 •G100



- **Secure Your Load in Half the Time**
- New-Superior Design
- 3-Position Pawl Selector Allows for Rapid Adjustment for Take-Up & Extension with "Free Spin" - Neutral Setting
- Enclosed Ratchet Gear Housing Protection
- Push Button Lock Allows for Ratcheting & Folded Position of Handle
- Folding Handle Creates Clear Work Path by Being Folded Out of Way



(DFX) Durafold - Folding Handle Ratchet Binder

Product Code Number	Chain Size G7-G8-G10	Take-Up Inches	Barrel Length Inches	Handle Length Inches	Screw Diam. Inches	Work Load Limit (lbs.)	Proof Load Limit (lbs.)	Weight lbs./ea.	Pcs. Per Box
DFX-38	3/8-5/16	8"	10"	14" Extended / 11" Folded	1"	**8,800**	17,600	12.9	4
DFX-12	1/2-3/8	8"	10"	14" Extended / 11" Folded	1"	**12,000**	24,000	14.4	4
***DFX-58**	5/8-1/2	8"	10"	14" Extended / 11" Folded	1"	**18,100**	36,200	16	4

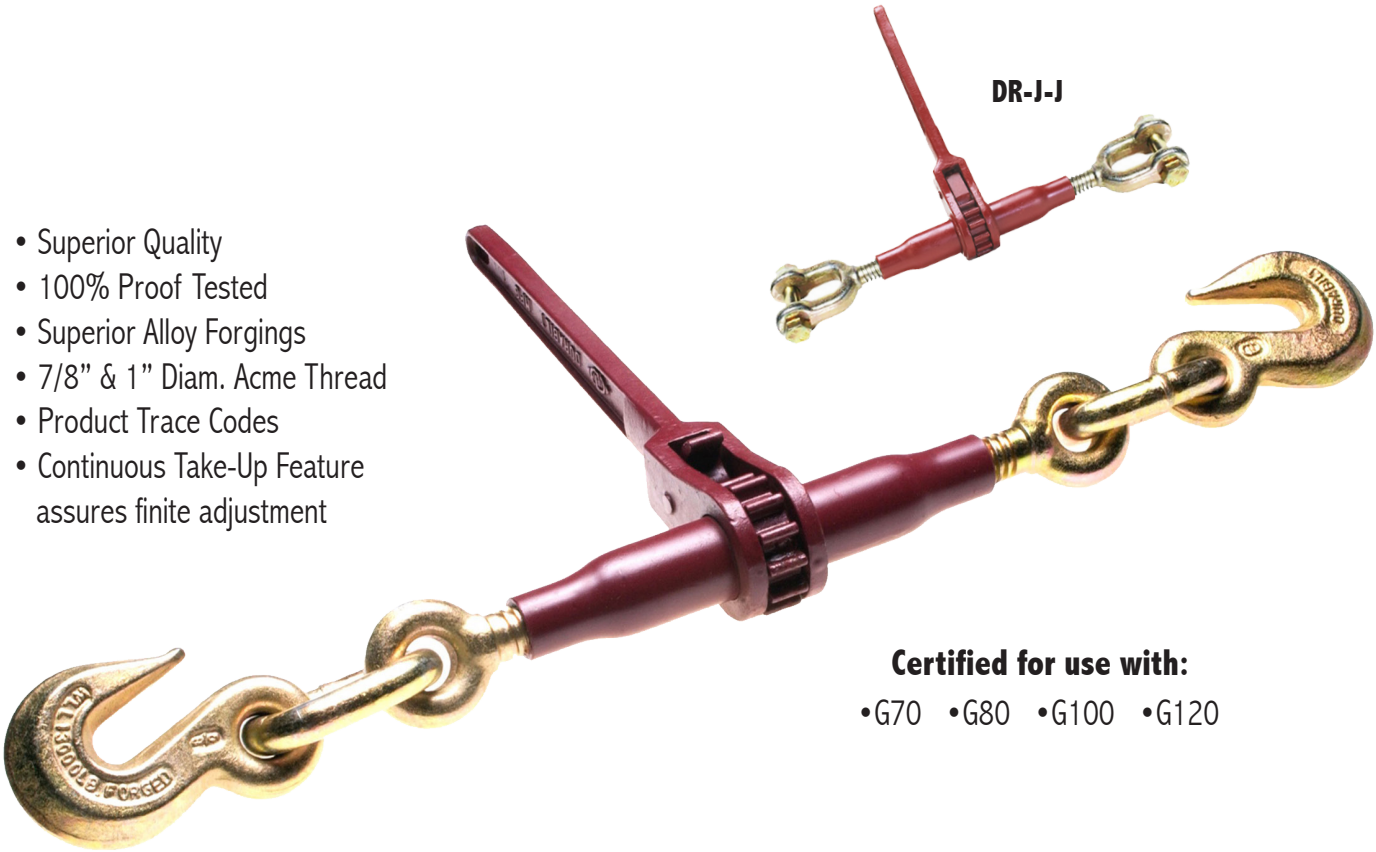
Meets or Exceeds DOT, FMCSA 40, CHP, CSVA, and WSTDA Standards and Requirements.

WARNING: DO NOT EXCEED W.L.L. DO NOT USE FOR LIFTING

(LDR) Light Pro-Bind & (DR) Pro-Bind Ratchet Binder Series

Meets or Exceeds DOT, FMCSA 40, CHP, CSVA, and WSTDA Standards and Requirements.

- Superior Quality
- 100% Proof Tested
- Superior Alloy Forgings
- 7/8" & 1" Diam. Acme Thread
- Product Trace Codes
- Continuous Take-Up Feature assures finite adjustment



Certified for use with:

•G70 •G80 •G100 •G120

(LDR) Light Pro-Bind & (DR) Pro-Bind Series

Product Code Number	Max-Min Chain Size (IN)	Take-Up (IN)	Barrel Length (IN)	End Fitting (IN)	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed to Open)	Eyebolt Hole Diam. or Jawbolt Throat Opening (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight lbs./ea.	Pcs. Per Box
LDR	*	6	8	**Eye - Eye**	15	7/8	11.25-17.25	* 7/8	**12,000**	24,000	6.6	4
LDR-14	1/4- 3/16	4	6	**1/4 Grab Hks**	8	1/2	15.5-19.5	n/a	**3,500**	7,000	3.6	6
LDR-38	3/8 - 5/16	6	8	**3/8 Grab Hks**	15	7/8	19-27	n/a	**7,100**	14,200	8.8	6
LDR-38-10+	3/8 - 5/16	8	10	**3/8 Grab Hks**	15	7/8	21-29	n/a	**7,100**	14,200	11	6
LDR-12-10+	1/2- 3/8	8	10	**1/2 Grab Hks**	15	7/8	21-29	n/a	**9,200**	18,400	12.8	4
LPR-516	5/16 - 1/4	8	10	**5/16 Grab Hooks**	10.5	1/2		n/a	**4,700**	9,400	6	6
DR	*	8	10	**Eye - Eye**	15.5	1	14-22	*1-1/16	**13,000**	26,000	9	4
DR-1-7300	3/8 - 5/16	8	10	**3/8 Grab Hks**	15.5	1	22.94-30.94	n/a	**7,300**	14,600	12.2	4
DR-1-Plus-8800	3/8 - 5/16	8	10	**3/8 Saddle Grab Hks**	15.5	1	24.5-32.5	n/a	**8,800**	17,600	12.6	4
DR-2	1/2- 3/8	8	10	**1/2 Grab Hks**	15.5	1	25.25-33.25	n/a	**12,000**	24,000	14	4
DR-3	5/8 - 1/2	8	10	**5/8 Grab Hks**	15.5	1	26.38-34.38	n/a	**13,000**	26,000	16	4
DR-X15	1/2- 3/8	8	10	**1/2 Grab Hks**	15.5	1	24.87-32.87	n/a	**15,000**	30,000	15	4
DR-X16	5/8 - 1/2	8	10	**5/8 Grab Hks**	15.5	1	26-34	n/a	**16,000**	32,000	16	4
DR-J-J	*	8	10	**Jaw - Jaw**	15.5	1	17-25	*1-1/8	**13,000**	26,000	15	3

WARNING - DO NOT EXCEED WORK LOAD LIMIT

(DTT) Truck-Tight Ratchet Binder Series

Meets or Exceeds DOT, FMCSA 40, CHP, CSVA, and WSTDA Standards and Requirements.

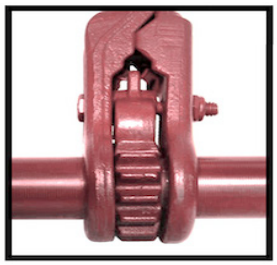
- Open Handle w/ Spring Design
- No Ball Bearing
- Allows for Easy Removal of Snow, Ice, & Mud

- Work Load Limit
- W.L.L. Forged into Hooks & Handle

Forged Quality

- Certified Quality
- 100% Proof Tested
- Superior Alloy Forgings
- 1" Diam. Acme Thread
- Product Trace Codes
- Continuous Take-Up Feature assures finite adjustment





Certified for use with:

•G70 •G80 •G100 •G120

(DTT) Truck Tight Series

Product Code Number	Max-Min Chain Size (IN)	Take-Up (IN)	Barrel Length (IN)	End Fitting (IN)	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed to Open)	Eyebolt Hole Diam. or Jawbolt Throat Opening (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight lbs./ea.	Pcs. Per Box
DTT	*	8	10	**Eye - Eye**	15.5	1	14-22	*1-3/16	**16,000**	32,000	9	4
DTT-1	3/8 - 5/16	8	10	**3/8 Grab Hks**	15.5	1	22-30	n/a	**8,800**	17,600	12.25	4
DTT-2	1/2 - 3/8	8	10	**1/2 Grab Hks**	15.5	1	24-32	n/a	**12,000**	24,000	14.2	4
DTT-3	5/8 - 1/2	8	10	**5/8 Grab Hks**	15.5	1	25-33	n/a	**18,100**	36,200	16	4
DTT-4	3/4 - 5/8	8	10	**3/4 Grab Hks**	15.5	1	31-39	n/a	**18,500**	37,000	27	2
DTT-J-J	*	8	10	**Jaw - Jaw**	15.5	1	16.75- 24.75	*1-1/4	**16,000**	32,000	13	4
DTT-J-J-12	*	10	12	**Jaw - Jaw**	15.5	1	19-29	*1-1/4	**16,000**	32,000	14	1
DTT-1 AUSA**	3/8 - 5/16	8	10	**3/8 Grab Hks**	15.5	1	22-30	n/a	**8,800**	17,600	12.25	4

****USA MADE HOOKS**

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Quality in Engineering

Meets or Exceeds DOT, FMCSA 40, CHP, CSVA, and WSTDA Standards and Requirements.

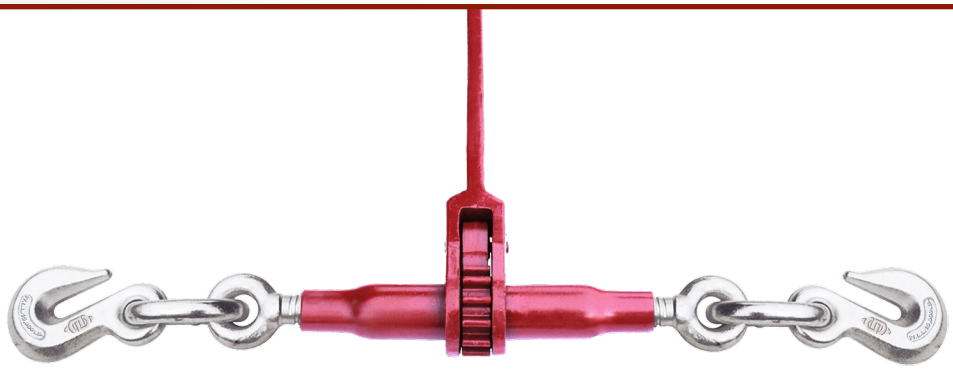
(LDR) Light Pro-Bind Series

- Anti-Theft feature, Load & Lock™
  *LDR-38-10+ and LDR-12-10+
- Uni-steel high carbon handle
- Swaged barrel of drawn tubing



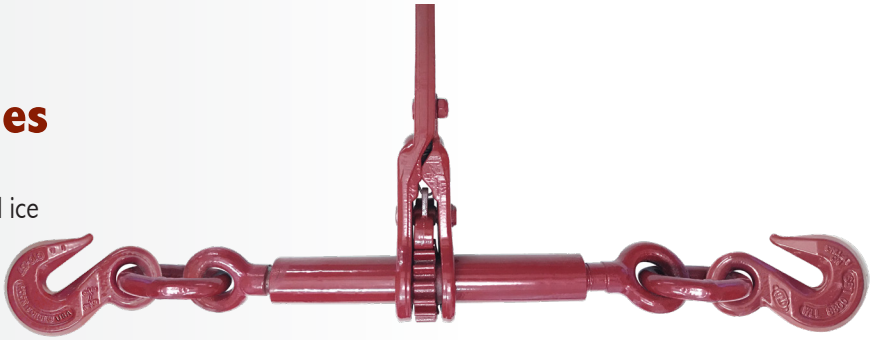
(DR-X) Titan Series

- The Titan of all binders
- Hooks & eye bolts are zinc plated
- Heavy swaged tube body



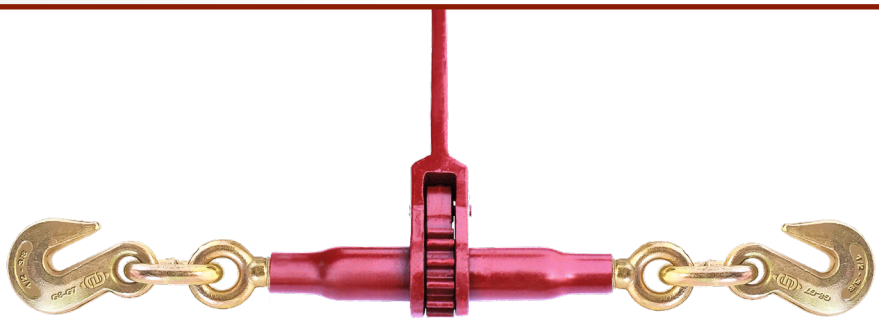
(DTT) Truck Tight Series

- Open handle with spring design
- Allows for easy removal of mud, snow and ice
- Heavy 1" diameter Acme screw



(DR) Pro-Bind Series

- The Pro's workhorse
- Heavy 1" diameter Acme Screw
- Multiple configurations available



(DFX) DuraFold Series

- **New-Superior Design – Professional Grade**
- Forged Folding Handle and Enclosed Gear Housing
- Rapid Adjustment for Take-up & Extension with "Free Spin"- Neutral setting



WARNING - DO NOT EXCEED WORK LOAD LIMIT

Select Your Ratchet Binders

Chain Size Reference Chart - Page 14

Order by work load limit, screw diameter, barrel length and take-up requirement.

Ratchet Binder Series	Product Code Number	Fits Chain Size (IN)	Take-Up (IN)	Barrel Length (IN)	Handle Length (IN)	Screw Diam. (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Lbs. Ea.	Psc. Per Box	Chain Grade and Size (inches)					
											G30	G43	G70	G80	G100	G120
Light Pro-Bind	LDR-14	1/4 - 3/16	4.5	6.75	8	1/2	3,500	7,000	3.8	6	1/4	1/4	1/4	1/4	x	x
Light Pro-Bind	LPR-516	5/16 - 1/4	8	10	10.5	1/2	4,700	9,400	5.8	6	5/16	5/16	5/16	5/16	1/4	x
Light Pro-Bind	LDR-38	3/8 - 5/16	6	8	15	7/8	7,100	14,200	9.2	6	3/8	3/8	3/8	3/8	5/16	5/16
Light Pro-Bind	LDR-38-10+	3/8 - 5/16	8	10	15	7/8	7,100	14,200	9.8	6	3/8	3/8	3/8	3/8	5/16	5/16
Light Pro-Bind	LDR-12-10+	1/2 - 3/8	8	10	15	7/8	9,200	18,400	12	4	1/2	1/2	3/8	3/8	3/8	x

Ratchet Binder Series	Product Code Number	Fits Chain Size (IN)	Take-Up (IN)	Barrel Length (IN)	Handle Length (IN)	Screw Diam. (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Lbs. Ea.	Psc. Per Box	Chain Grade and Size (inches)					
											G30	G43	G70	G80	G100	G120
Titan	DR-X15	1/2 - 3/8	8	10	15.5	1	15,000	30,000	14.6	4	1/2	1/2	1/2	1/2	1/2	3/8
Titan	DR-X16	5/8 - 1/2	8	10	15.5	1	16,000	32,000	15	4	5/8	5/8	5/8	1/2	1/2	x

Ratchet Binder Series	Product Code Number	Fits Chain Size (IN)	Take-Up (IN)	Barrel Length (IN)	Handle Length (IN)	Screw Diam. (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Lbs. Ea.	Psc. Per Box	Chain Grade and Size (inches)					
											G30	G43	G70	G80	G100	G120
Truck Tight	DTT-1	3/8 - 5/16	8	10	15.5	1	8,800	17,600	12.25	4	3/8	3/8	3/8	3/8	3/8	5/16
Truck Tight	DTT-2	1/2 - 3/8	8	10	15.5	1	12,000	24,000	14	4	1/2	1/2	1/2	1/2	3/8	3/8
Truck Tight	DTT-3	5/8 - 1/2	8	10	15.5	1	18,100	36,200	15	4	5/8	5/8	5/8	5/8	1/2	1/2
Truck Tight	DTT-4	3/4 - 5/8	8	10	15.5	1	18,500	37,000	27.4	2	3/4	5/8	5/8	5/8	x	x
Truck Tight	DTT-1A**	3/8 - 5/16	8	10	15.5	1	8,800	17,600	12.25	4	3/8	3/8	3/8	3/8	3/8	5/16

** USA MADE HOOKS

Ratchet Binder Series	Product Code Number	Fits Chain Size (IN)	Take-Up (IN)	Barrel Length (IN)	Handle Length (IN)	Screw Diam. (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Lbs. Ea.	Psc. Per Box	Chain Grade and Size (inches)					
											G30	G43	G70	G80	G100	G120
Pro-Bind	DR-1-7300	3/8 - 5/16	8	10	15.5	1	7,300	14,600	12	4	3/8	3/8	3/8	3/8	5/16	5/16
Pro-Bind	DR-1-Plus-8800	3/8 - 5/16	8	10	15.5	1	8,800	17,600	12.8	4	3/8	3/8	3/8	3/8	3/8	5/16
Pro-Bind	DR-2	1/2 - 3/8	8	10	15.5	1	12,000	24,000	13.4	4	1/2	1/2	1/2	1/2	3/8	3/8
Pro-Bind	DR-3	5/8 - 1/2	8	10	15.5	1	13,000	26,000	15.6	4	5/8	5/8	1/2	1/2	x	x

Ratchet Binder Series	Product Code Number	Fits Chain Size (IN)	Take-Up (IN)	Barrel Length (IN)	Handle Length (IN)	Screw Diam. (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Lbs. Ea.	Psc. Per Box	Chain Grade and Size (inches)					
											G30	G43	G70	G80	G100	G120
Dura-Fold	DFX-38	3/8 - 5/16	8	10	14	1	8,800	17,600	12.9	4	3/8	3/8	3/8	3/8	3/8	5/16
Dura-Fold	DFX-12	1/2 - 3/8	8	10	14	1	12,000	24,000	13.5	4	1/2	1/2	1/2	1/2	3/8	3/8
Dura-Fold	DFX-58	5/8 - 1/2	8	10	14	1	16,000	32,000	16	4	5/8	5/8	5/8	1/2	1/2	x

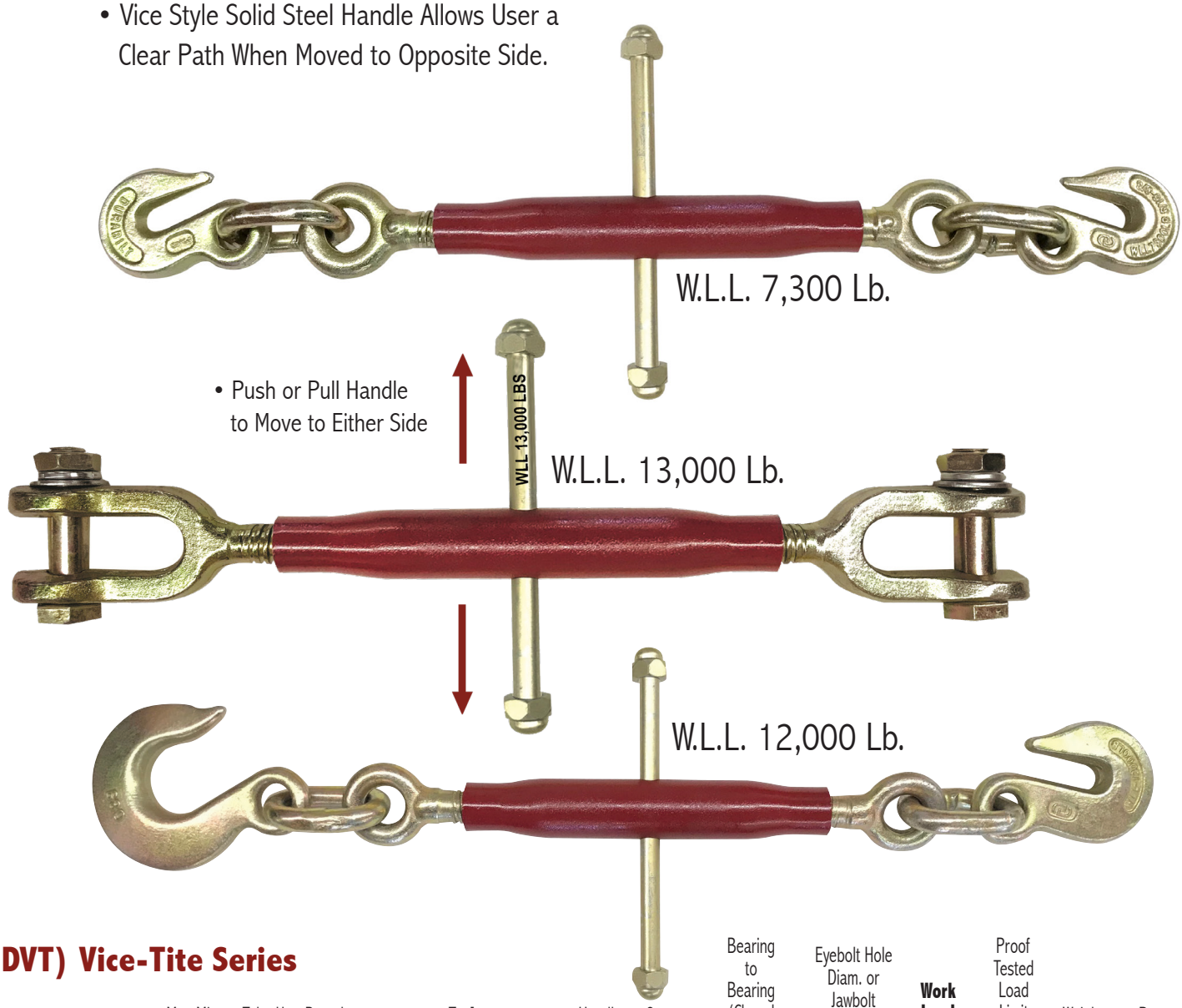
WARNING - DO NOT EXCEED WORK LOAD LIMIT

(DVT) Vice-Tite Ratchet Binder Series

NEW

No Turnbuckle-Binder Tightens Faster!

- Vice Style Solid Steel Handle Allows User a Clear Path When Moved to Opposite Side.



(DVT) Vice-Tite Series

Product Code Number	Max-Min Chain Size (IN)	Take-Up (IN)	Barrel Length (IN)	End Fitting (IN)	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed to Open)	Eyebolt Hole Diam. or Jawbolt Throat Opening (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Lbs./ea.	Pcs. Per Box
DVT-38	3/8-5/16	8	10	**3/8 Grab Hk - 3/8 Grab Hk**	10	1	22.94-30.94	n/a	**7,300**	14,600	9.2	4
DVT-J-J	*	8	10	**Jaw - Jaw**	10	1	17.25-25.25	*1-1/8	**13,000**	26,000	10	2
DVT-12-12SLP	1/2-3/8	8	10	**1/2 Grab Hk - 1/2 Slip Hk**	10	1	24.5-32.5	n/a	**12,000**	24,000	11	4

- Hand Tighten Only
- Handle Certified to Not Bend up to 500 Lbs
- **Warning**: Do Not Use handle extension (Cheater Bar) on Vice Handle

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Lockable Ratchet Binder Rack Storage Systems

Features:

- Available in 2 sizes: 24" & 48"
- Made of heavy gauge steel or aluminum
- Easy to lock up your ratchet binders!
- Two piece construction
- Laser cut for perfect fit
- Fits most ratchet binder sizes
- Steel racks feature a protective durable coating
- Mounting hardware included
- **Patented**
- Fast & Easy installation
- Engineered curved hook design keeps the ratchet binders in place during transit
- The perfect locking storage solution for trailers with rolling tarp and side kit trailers
- DurabiltTM storage racks can be mounted on trailer bulkheads, back of truck cabs, headache boxes or used in the garage or shop!

MADE IN U.S.A.



RRA-L11-48



RRA-L7-24



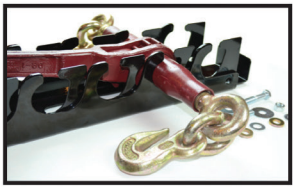


RRS-L7-24



RRS-L11-48







Ratchet Rack Storage Systems

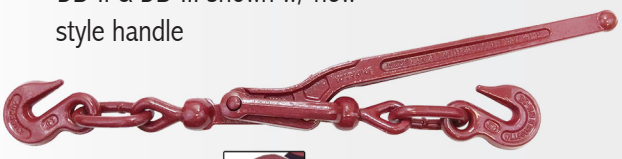
Product Code Number	Max. Qty. Hold/Lock	Overall Dimensions	Material	Finish	Fasteners Bolts/Nuts	Weight Lbs.	Qty. Per Box
RRA-L7-24	7	23.5" x 5.5 "	Aluminum	Aluminum Mill	1-Set (Shown Above) in each carton	4	1
RRS-L7-24	7	23.5" x 5.5 "	Steel	Black Powder Coat		10	1
RRA-L11-48	11	47.5" x 5.5"	Aluminum	Aluminum Mill		10	1
RRS-L11-48	11	47.5" x 5.5"	Steel	Black Powder Coat		19	1

*** Lock not included**

WARNING - Ratchet Rack must be securely bolted to cab or trailer rack - Ratchet Rack must be in locked position during transit.

Extensive Line of Lever Binders

- DB-II & DB-III shown w/ new style handle





* Unique Feature on the DB-I

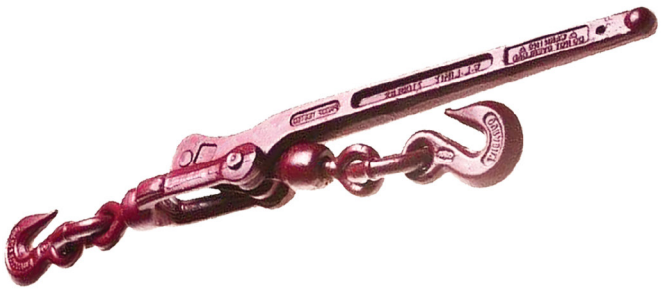
(DB) Dura-Lok & DuraBind Series

- Drop Forged Clevis and Tongue
- Forged Handle on DB-II and DB-III
- Both Hooks Swivel 360°
- Load Limit is Cast into Handle w/ Raised Numbers
- Binder Toggles Away from Load

* Dura-Lok on the DB-I prevents the Clevis from Spreading Under Extreme Pull Situations

(DF) DurAlloy Forged Series

- Engineered for Heavy Duty Use
- Mfg. with Superior Alloy Steel
- Dependable Ball and Socket Design
- Ideal for Tying Down Loads of Steel, Concrete Forms and Heavy Machinery on Flatbed Trailers





(DF-C) Dura-Claw Series

- Claw Hook Designed to Allow for Increased Pull by Attaching to an Outside Curve of Chain Link
- 360° Dura-Swivel Forged "Claw Hooks"
- Makes Easy Connection to Taught or Loose Chain

(DB-WS or DF-WS) Compression Spring Series

- Steel Coil Spring Acts as Shock Absorber by Taking Up Chain Slack
- Great for Rubber Tired Vehicle Carriers
- Forged Hooks have 360° Rotation
- Suitable for Binding Steel, Poles, Lumber, Pipes, or Machinery





(DM) Utility Light-Duty Series

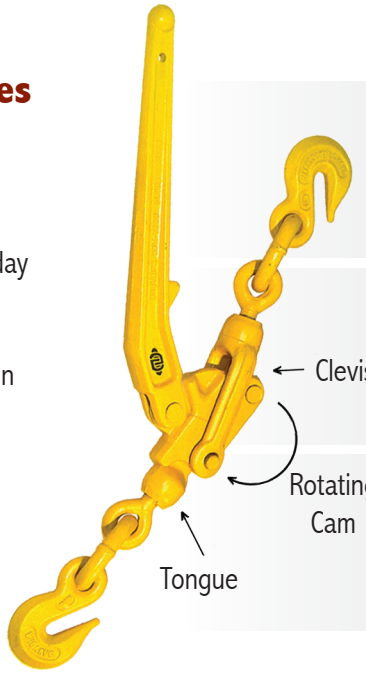
- Steel Formed Hooks
- Working Load Limit is Cast into Handle w/ Raised Numbers
- 360° Swivel Hooks

WARNING - DO NOT EXCEED WORK LOAD LIMIT

(DBX) Recoil-less Series

(DBX) Recoil-less Series with Cam Action

- Safest lever binder on market today
- Chain tension kickback on handle eliminated by swivel motion design
- 360° swivel motion handle
- High visbility product finish



To Release or Unload:

Move handle toward clevis to activate release point.



Clevis

Center cam now rotates independantly from handle.



Handle remains in position as chain tension is released.



Select Your Lever Binders

Chain Size Reference Chart - Page 14

Select Your Lever Binders	Product Code Number	Take-Up (IN)	Handle Length (IN)	**Work Load Limit Lbs.**	Proof Tested Load Limit Lbs.	Weight Lbs./Ea.	Pcs. Per Box
Fits 1/4"- 1/8" Chain							
Utility-Light	**DM-1**	3	9.5	**375**	750	1.2	10
Fits 1/4"- 3/16" Chain							
Dura-Lok (5/16" Hks Avail.)	**DB-I**	3.5	11.75	**2,600**	5,200	3.4	10
Compression Spring	**DB-1-WS**	3.75	11.75	**2,600**	5,200	5	10
Fits 3/8"- 5/16" Chain							
DuraBind	**DB-II**	4.5	16	**6,600**	13,200	8.4	6
DurAlloy	**DF-C-6600**	4.5	16	**6,600**	13,200	9.4	6
DurAlloy	**DF-7100**	4.5	16	**7,100**	14,200	8.4	4
Recoil-less	**DBX-6600**	5	12.5	**6,600**	13,200	9.2	4
Compression Spring	**DF-7-1-WS**	4.5	16	**6,600**	13,200	14.4	4
Fits 1/2"- 3/8" Chain							
DuraBind	**DB-III**	4.5	18	**9,200**	18,400	13.8	4
Recoil-less	**DBX-9200**	4.75	12.5	**9,200**	18,400	14.4	4
Compression Spring	**DB-III-WS**	4.5	18	**9,200**	18,400	19.2	4
Fits 5/8"- 1/2" Chain							
DuraBind	**DB-IV**	4.5	18	**13,000**	26,000	15.2	4

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Select Your Bulk Chain

Made to NACM standards per specifications of the Department of Transportation & CCMTA for tie down use.

Grade Reference Chart

Chain Size (IN)	**G30** Proof Coil **Work Load Limit (Lb.)**	**G43** High Test **Work Load Limit (Lb.)**	**G70** Transport **Work Load Limit (Lb.)**	**G80** Alloy **Work Load Limit (Lb.)**	**G100** Alloy **Work Load Limit (Lb.)**	**G120** Alloy **Work Load Limit (Lb.)**
1/4 (9/32)	1,300	2,600	3,150	3,500*	4,300*	5,200*
5/16	1,900	3,900	4,700	4,500	5,700	6,600
3/8	2,650	5,400	6,600	7,100	8,800	10,600
1/2	4,500	9,200	11,300	12,000	15,000	17,900
5/8	6,900	13,000	15,800	18,100	22,600	27,500
3/4	10,600	20,200	24,700	28,300	35,300	n/a



G70 Transport Chain

Chain Size (IN)	Chain Size (IN)	Chain Length (Ft.)	**Work Load Limit (Lb.)**	Weight Per Drum (Lb.)	Pcs Per Drum
Half Drums				With Gold Chromate Finish	
DBC-14-400-G7	1/4	400	**3,150**	254	1-Unit
DBC-516-275-G7	5/16	275	**4,700**	280	1-Unit
DBC-38-200-G7	3/8	200	**6,600**	284	1-Unit
DBC-12-100-G7	1/2	100	**11,300**	264	1-Unit

Chain Size (IN)	Chain Size (IN)	Chain Length (Ft.)	**Work Load Limit (Lb.)**	Weight Per Drum (Lb.)	Pcs Per Drum
Full Drums				With Gold Chromate Finish	
DBC-14-800-G7	1/4	800	**3,150**	508	1-Unit
DBC-516-550-G7	5/16	550	**4,700**	560	1-Unit
DBC-38-400-G7	3/8	400	**6,600**	568	1-Unit
DBC-12-200-G7	1/2	200	**11,300**	528	1-Unit



G80 Alloy Lashing Chain

Chain Size (IN)	Chain Size (IN)	Chain Length (Ft.)	**Work Load Limit (Lb.)**	Weight Per Drum (Lb.)	Pcs Per Drum
Half Drums				With Black Finish	
DBC-38-200-G8	3/8	200	**7,100**	295	1-Unit
DBC-12-100-G8	1/2	100	**12,000**	267	1-Unit

Chain Size (IN)	Chain Size (IN)	Chain Length (Ft.)	**Work Load Limit (Lb.)**	Weight Per Drum (Lb.)	Pcs Per Drum
Full Drums				With Black Finish	
DBC-38-400-G8	3/8	400	**7,100**	590	1-Unit
DBC-12-200-G8	1/2	200	**12,000**	534	1-Unit

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Tow & Binder w/ End Fittings

Tow & Binder Chains are Packed in Individual Bags

Made to NACM standards per specifications of the Department of Transportation & CCMTA for tie down use.



G70 Transport Chain

Product Code Number	Chain Size (IN)	Chain Length (Ft.)	**Work Load Limit (Lb.)**	Weight Per Drum (Lb.)	Pcs Per Drum
Tow & Binder Chain			With Gold Chromate Finish and Clevis Grab Hooks		
DBC-516x14-G7-CGH	5/16	14	**4,700**	450	30
DBC-516x16-G7-CGH	5/16	16	**4,700**	540	30
DBC-516x20-G7-CGH	5/16	20	**4,700**	538	25
DBC-516x25-G7-CGH	5/16	25	**4,700**	535	20
DBC-38x16-G7-CGH	3/8	16	**6,600**	625	25
DBC-38x20-G7-CGH	3/8	20	**6,600**	630	20
DBC-38x25-G7-CGH	3/8	25	**6,600**	590	15
DBC-12x10-G7-CGH	1/2	10	**11,300**	538	20
DBC-12x20-G7-CGH	1/2	20	**11,300**	535	10

NOTE: Clevis Grab Hooks are on Each End of Chain ^



G80 Lashing Chain

Product Code Number	Chain Size (IN)	Chain Length (Ft.)	**Work Load Limit (Lb.)**	Weight Per Drum (Lb.)	Pcs Per Drum
Tow & Binder Chain			With Gold Chromate Finish and Clevis Grab Hooks		
DBC-38x20-G8-CGH	3/8	20	**7,100**	630	20
DBC-12x20-G8-CGH	1/2	20	**12,000**	570	10

NOTE: Clevis Grab Hooks are on Each End of Chain ^



Individually Bagged



G70 Transport Log, Tow & Binder Chain

Product Code Number	Chain Size (IN)	Clevis Hook Type	Chain Length (Ft.)	**Work Load Limit (Lb.)**	Pounds Each Piece	Pieces Per Half Drum	Weight Half Drum Lb.
DBC-516x12-G7-CSCGH	5/16	Slip & Grab	12	**4,700**	13.2	12	158.4
DBC-516x14-G7-CSCGH	5/16	Slip & Grab	14	**4,700**	15.4	12	184.8
DBC-38x12-G7-CSCGH	3/8	Slip & Grab	12	**6,600**	18.7	12	224.4
DBC-38x14-G7-CSCGH	3/8	Slip & Grab	14	**6,600**	20.9	12	258
DBC-12x15-G7-CSCGH	1/2	Slip & Grab	15	**11,300**	39.6	10	396

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Durabilt Ratchet Straps

Tighten your Load with the Best Straps in the Industrty

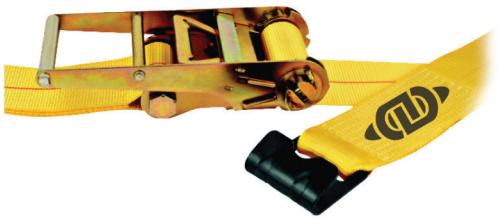


WARNING - DO NOT EXCEED WORK LOAD LIMIT

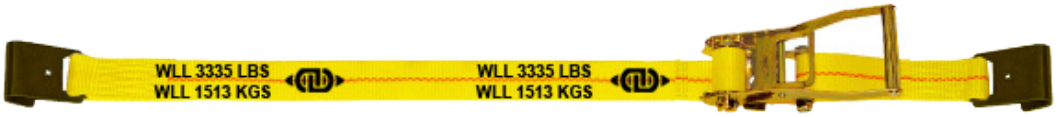
Select Your Ratchet Straps

Ratchet Buckles have a safety locking feature

Flat Hook Type



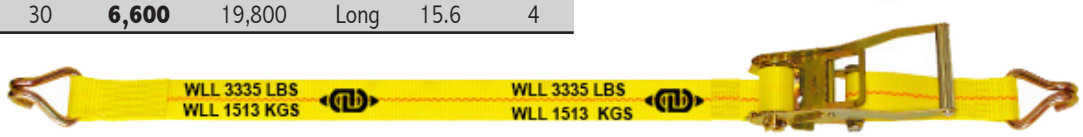
Product Code Number	Web Width (IN)	Web Length (Ft)	Work Load Limit Lbs.	Min. Break Strength Lbs.	Handle Type	Weight Each Lbs.	Pcs. Per Box
RS-2-20-LW-FH	2	20	**3,335**	10,000	Long Wide	5	10
RS-2-27-LW-FH	2	27	**3,335**	10,000	Long Wide	5.4	10
RS-2-30-LW-FH	2	30	**3,335**	10,000	Long Wide	5.6	10
RS-3-27-L-FH	3	27	**5,000**	15,000	Long	12	5
RS-3-30-L-FH4	3	30	**5,400**	16,200	Long	13.2	5
RS-4-27-L-FH4	4	27	**5,400**	16,200	Long	13.4	4
RS-4-27-L-FH7	4	27	**6,600**	19,800	Long	14.8	4
RS-4-30-L-FH4	4	30	**5,400**	16,200	Long	14.8	4
RS-4-30-L-FH7	4	30	**6,600**	19,800	Long	15.2	4



Wire J-Hook Type

Product Code Number	Web Width (IN)	Web Length (Ft)	Work Load Limit Lbs.	Min. Break Strength Lbs.	Handle Type	Weight Each Lbs.	Pcs. Per Box
RS-2-14-W-WH	2	14	**3,335**	10,000	Wide	3.6	10
RS-2-27-W-WH	2	27	**3,335**	10,000	Wide	4.8	10
RS-2-27-LW-WH	2	27	**3,335**	10,000	Long Wide	5.2	10
RS-2-30-W-WH	2	30	**3,335**	10,000	Wide	5.2	10
RS-3-30-L-WH4	3	30	**5,400**	16,200	Long	13.6	5
RS-4-30-L-WH4	4	30	**5,400**	16,200	Long	15.6	4
RS-4-30-L-WH7	4	30	**6,600**	19,800	Long	15.6	4





Chain Anchor Type

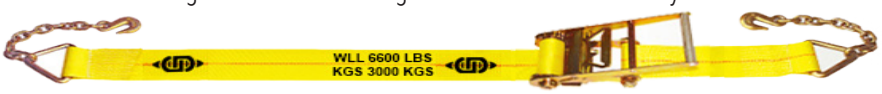


Product Code Number	Web Width (IN)	Web Length (Ft)	Work Load Limit Lbs.	Min. Break Strength Lbs.	Handle Type	Weight Each Lbs.	Pcs. Per Box
RS- 2-27-W-CH*	2	27	**3,335**	10,000	Wide	8.2	5
RS-2-30-W-CH*	2	30	**3,335**	10,000	Wide	8.3	6
RS-3-30-L-CH4*	3	30	**5,400**	16,200	Long	16.8	4
RS-4-30-L-CH7*	4	30	**6,600**	19,800	Long	18.4	4
RS-4-30-L-CH7-30**	4	30	**6,600**	19,800	Long	23.2	2
RS-FE-4-CH7-30***	4	n/a	**6,600**	19,800	Long	13.2	2

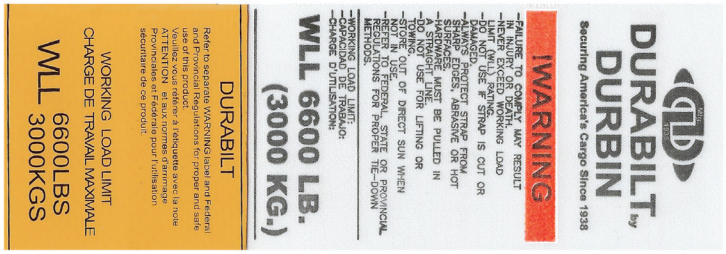
* Chain length = 18" ** Chain length = 30" * * * Short end only

All Durabilt Ratchet Straps meet the requirements of:

- DOT (Department of Transportation)
- CHP (California Highway Patrol)
- WSTDA (Web Sling & Tie-down Association Standards)
- CVSA (Commercial Vehicle Safety Alliance)
- North American Cargo Securement Standards
- Canadian 905 Standard
- Professional & Military Specifications
- Safety Locking Feature



Vinyl & Polyester Reinforced Labels (2)



Quality Sewn near all End Fittings w/ Warnings, W.L.L. & Usage.

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Durabilt Winch Straps

All Stenciled with W.L.L. in Lb. and Kg.



WARNING - DO NOT EXCEED WORK LOAD LIMIT

Select Your Winch Straps

Flat Hook Type



Product Code Number	Web Width (IN)	Web Length (Ft)	Work Load Limit Lbs.	Min. Break Strength Lbs.	Weight Each Lbs.	Pcs. Per Box
WS-2-27-FH	2	27	**3,335**	10,000	2.7	10
WS-2-30-FH	2	30	**3,335**	10,000	2.9	10
WS-3-30-FH4	3	30	**5,400**	16,200	4.6	10
WS-4-27-FH4	4	27	**5,400**	16,200	4.2	10
WS-4-27-FH7	4	27	**6,600**	19,800	5.6	10
WS-4-30-FH4	4	30	**5,400**	16,200	4.7	10
WS-4-30-FH7	4	30	**6,600**	19,800	6.2	10
WS-4-40-FH4	4	40	**5,400**	16,200	5.8	10

Wire J-Hook Type

Product Code Number	Web Width (IN)	Web Length (Ft)	Work Load Limit Lbs.	Min. Break Strength Lbs.	Weight Each Lbs.	Pcs. Per Box
WS-3-30-WH	3	30	**5,000**	15,000	4.9	10
WS-4-30-WH7	4	30	**6,600**	19,800	6.3	10



Chain Anchor Type



Product Code Number	Web Width (IN)	Web Length (Ft)	Work Load Limit Lbs.	Min. Break Strength Lbs.	Weight Each Lbs.	Pcs. Per Box
WS-3-30-CH4	3	30	**5,400**	16,200	6.8	10
WS-4-30-CH7*	4	30	**6,600**	19,800	8.2	10
WS-4-30-CH7-30**	4	30	**6,600**	19,800	10	10

* Chain length = 18 Inches

** Chain length = 30 Inches

Delta Ring Type

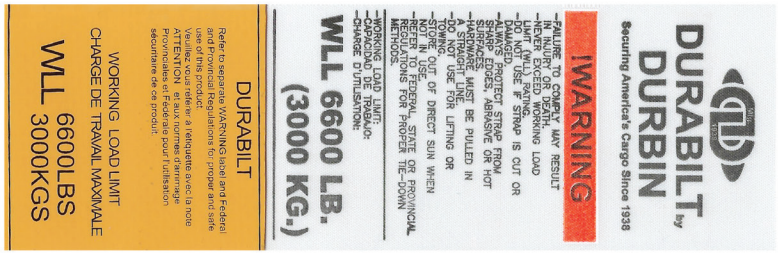
Product Code Number	Web Width (IN)	Web Length (Ft)	Work Load Limit Lbs.	Min. Break Strength Lbs.	Weight Each Lbs.	Pcs. Per Box
WS-4-27-DR	4	27	**5,000**	15,000	4.6	10
WS-4-30-DR7	4	30	**6,600**	19,800	6.2	10



All Durabilt Winch Straps meet the requirements of:

- DOT (Department of Transportation)
- CHP (California Highway Patrol)
- WSTDA (Web Sling & Tie-down Association Standards)
- CVSA (Commercial Vehicle Safety Alliance)
- North American Cargo Securement Standards
- Canadian 905 Standard
- Professional & Military Specifications
- Safety Locking Feature

Vinyl & Polyester Reinforced Labels (2)



Quality Sewn near all End Fittings w/ Warnings, W.L.L. & Usage.

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Select Your Winches



WB-STD-PORT-2S



WB-DEEP-WO



WB-STD-EZ-SLD



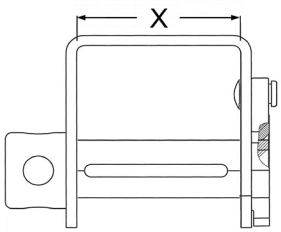
WB-STD-SLD

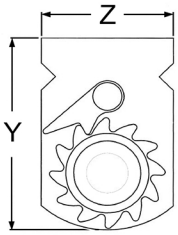


WB-STD-WO



WB-3BAR-WO







WB-LP-PORT-2S



WB-DEEP-EZ-SLD



WB-SPCL-T-SLD



WB-LW-2

Winches

Product Code No.	Description	Track Type Use	Work Load Limit (Lb.)	Min. Break Strength (Lb.)	Winch Type	*Dimensions X	Y	Z	Trailer Mount Position	Weight Lb. ea.	Pcs. Per Box
WB-STD-PORT-2S	Portable, 2 Set Screws		**5,400**	16,200	Standard	4-7/8	5-5/16	3-9/16	Bottom	10	5
WB-DEEP-WO	Weld-On		**5,400**	16,200	Standard	5	7	4	Bottom	9.4	5
WB-STD-EZ-SLD	E-Z Slide, Notched	C	**6,000**	18,000	Standard	5	5-1/2	4	Bottom	10	5
WB-STD-SLD	Slide, Fits Utility Trailers	C, L	**5,400**	16,200	Standard	4-7/8	5-5/16	3-9/16	Bottom	12.8	5
WB-STD-WO	Weld-On		**5,400**	16,200	Standard	4-7/8	5-5/16	3-9/16	Bottom	8.6	5
WB-3BAR-WO	Weld-On, 3 Bar Mandrel		**5,500**	16,200	Standard	7-1/4	4	5-1/4	Bottom	14.2	5
WB-LP-PORT-2S	Portable, 2 Set Screws		**5,400**	16,200	Low Profile	4-7/8	4-5/16	4	Side	9	5
WB-DEEP-EZ-SLD	Deep E-Z Slide, Notched	C	**5,000**	15,000	Storable	4-7/8	7	4-1/2	Bottom	10.5	5
WB-SPCL-T-SLD	Slide, Fits Transcraft Trailers, Double	L	**5,400**	16,200	Special Track	5	5-9/16	4	Bottom	6.6	5
WB-LW-2	2 Inch Lashing Winch		**3,335**	10,000	Lashing Winch	2.5	4	3	Bottom+Side	3.6	10

All Durabilt Winches Meet the Requirements of:

- DOT (Department of Transportation)
- CHP (California Hwy Patrol)
- North American Cargo Securement Standards
- Canadian 905 Standard
- Weld-On Winches are to be permanently mounted in a fixed position
- Mandrel U-Shaped Bracket made from 1/4" steel plate
- Portable Winch allows the placement of the winch to be moved along the trailer side channel to desired position
- Sliding Winches lock in place once tension is applied to the webbing

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Select Your Winch Bars & Winch Bar Ratchets



Winch Bars

Product Code Number	Winch Bar Length (IN)	Product Finish	Winch Bar Type	Weight Lbs. Each	Pcs. Per Box
WBA-S-C	32	Chrome Plated	**Standard**	5.2	10
WBA-S-P	32	Painted Black	**Standard**	5	10
WBA-CB-C	35	Chrome Plated	**Combo/Box End**	6.2	10
WBA-CB-P	35	Painted Black	**Combo/Box End**	8	10
WBA-C-C	32	Chrome Plated	**Combination**	5.8	10

• Tapered and angled for easy operation • Manufactured w/ heat-treated steel tip • Knurled non-slip handle

Winch Bar Ratchets

Will fit all USA designed winch binders

Product Code Number	Winch Bar Length (IN)	Product Finish	Winch Bar Type	Weight Lbs. Each	Pcs. Per Box
DR-H15-WBR*	15	Red	**Winch Bar Ratchet**	4.8	6
DR-H28-WBR*	28	Red	**Winch Bar Ratchet**	7.6	4
DR-H-WBR-Pin	4.75	Zinc Plated	**Replacement Angled Pin w/Cotter**	0.43	5
WBA-CB-R38*	39	Chrome Plated	**Ratcheting Winch Bar**	8.6	5
WBA-CB-R38-Pin	3.5	Chrome Plated	**Replacement Straight Pin**	0.44	5

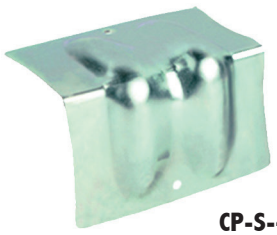
*Sold w/connecting Pin/Bolt for winch

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Protectors, Strap Winder, Coil Racks, Tarp Straps



CP-P-4



CP-S-4



CP-R-4



WP-P-2-8





CP-TARP-8

Protectors

Product Code Number	Description	Weight Lbs. Each	Pcs. Per Box
CP-P-4	Corner Protector, Plastic for 2“ to 4” Webbing	0.25	100
CP-R-4	Corner Protector, Rubber for 2“ to 4” Webbing	0.7	50
CP-TARP-8	Corner Protector for Tarps, 8” x 8” x 8”	0.21	20
CP-S-4	Chain Corner Protector, 4” Steel	1.18	50
WP-P-2-8	2” Nylon Webbing Protector Pad, 8” Length Sleeve	0.12	20

- Secure Cargo Edges w/ Plastic or Steel Protectors
- Protective sleeves extend the life of your investment
- Rubber protectors assist the distribution of loads at corners by conforming to the load contour

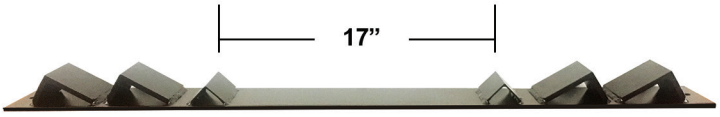


Strap Winder

Product Code Number	Description	Weight Lbs. Each	Pcs. Per Box
SW-2-4	Aluminum Strap Winder, Winds from 2“ to 4” Webbing Widths	2.7	20



CR-LD



CR-HD3

Coil Racks

Product Code Number	Description	Weight Lbs. Each	Fak Pak Box
CR-LD	Steel Coil Rack, Light Duty, 33.5” Long x 2-5/8” Wide	15.5	4
CR-HD3	Steel Coil Rack, Heavy Duty, 40-1/16” Long x 3-15/16” Wide	4.9	10

Made in USA



Rubber Tarp Straps (EPDM)

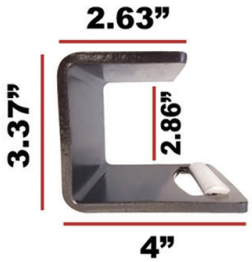
Product Code Number	Overall Length (IN)	Strap Length (IN)	End Fittings	Weight Per Box Lbs.	Pcs. Per Box
RTS-9	13	9	S-Hook	19	100
RTS-15	19	15	S-Hook	24.2	100
RTS-21	25	21	S-Hook	27.2	100
RTS-31	35	31	S-Hook	35.6	100
RTS-41	45	41	S-Hook	46.4	100

EPDM - Ethylene Proplene Diene Monomer, Synthetic Rubber

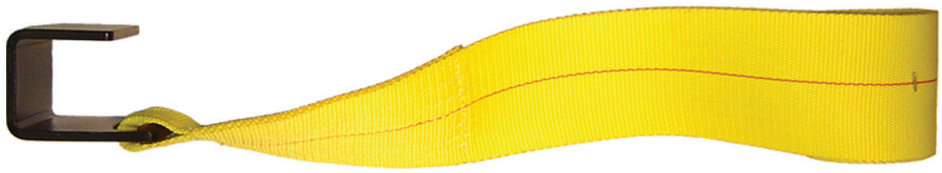
WARNING - DO NOT EXCEED WORK LOAD LIMIT

Roll-Off Straps

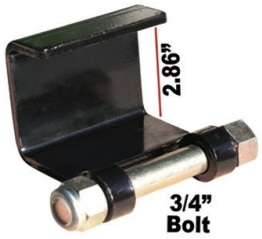
Meets or Exceeds the requirements of WSTDA
(Web Sling & Tie Down Association Standards)



HK-SOJ



WS-4-6-HK-J
with Sewn On J-Hook



***HK-SJ-4**



WS-4-3-HK-SJ

***J-Hook, Bolt On Application**

Roll-Off Straps

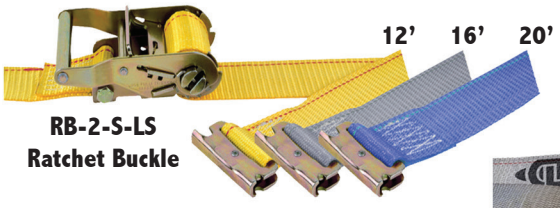
Product Code Number	Web Width (IN)	Web Length (IN)	End Fitting Type	Work Load Limit Lbs.	Minimum Breaking Strength	Weight Lbs. Each	Pcs. Per Box
WS-4-6-HK-J	4	6 Feet	J-Hook-Sewn On	**5,400**	16,200	3.0	10
WS-4-3-HK-SJ	4	3 Feet	J-Hook-Bolt On	**5,400**	16,200	3.8	8

Hooks

HK-SOJ	4	n/a	J-Hook-Sewn On	**5,400**	16,200	2.4	8
***HK-SJ-4**	4	n/a	*J-Hook-Bolt On	**5,400**	16,200	2.8	8

WARNING - DO NOT EXCEED WORK LOAD LIMIT

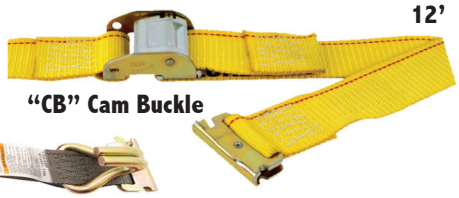
Logistic Straps, Hardware & Utility Tie-Downs



RB-2-S-LS
Ratchet Buckle



LS-2-16-MW-EA+WH



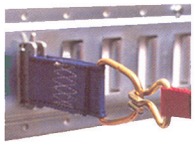
“CB” Cam Buckle

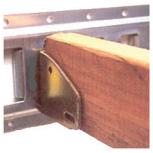
Logistic Strap

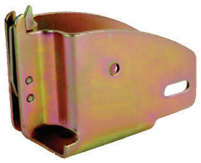
Product Code Number	Web Width (IN)	Web Length (Ft)	Buckle Type	Fittings Each End	**Work Load Limit Lbs.**	Min. Break Strength Lbs.	Weight Lbs. Each	Pcs. Per Box
LS-2-12-MW-EA	2	12	RB-2-SLS, Ratchet Buckle	F-EA-2-S-B	**1,000**	3,000	2.14	20
LS-2-16-MW-EA	2	16	RB-2-SLS, Ratchet Buckle	F-EA-2-S-B	**1,000**	3,000	2.28	20
LS-2-20-MW-EA	2	20	RB-2-SLS, Ratchet Buckle	F-EA-2-S-B	**1,000**	3,000	2.4	20
LS-2-16-MW-EA+WH	2	16	RB-2-SLS, Ratchet Buckle	F-EA-2-S-B+Wire Hook	**1,000**	3,000	3.08	20
LS-2-12-CB-EA	2	12	CB-2, Cam Buckle	F-EA-2-S-B	**835**	2,500	1.6	20



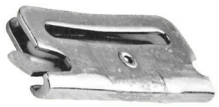
RTO-2-6-EA







WBS-1400



F-EA-2-S-C
(with spring)



F-EA-2-S-D-RING

Logistic Strap Hardware

Product Code Number	Web Width (IN)	Web Length (Ft)	Product Type	Fittings Each End	**Work Load Limit Lbs.**	Min. Break Strength Lbs.	Weight Lbs. Each	Pcs. Per Box
RTO-2-6-EA	2	6	Rope-Tie Off	F-EA-2-S-B	**1,000**	3,000	0.36	50
WBS-1400	n/a	n/a	Wood Beam Socket	EA-2-TYPE	**500**	1,500	0.9	50
F-EA-2-S-C	n/a	n/a	Logistic Strap End Fit - 2”	Chrome EA	**1,500**	4,500	0.21	200
F-EA-2-S-D-RING	n/a	n/a	Spring Fitting - 2”	F-EA-2-S-B	**1,500**	4,500	0.4	150



RS-1-16-M-S-HK



RS-1-16-M-WH-DK



CS-1-20-S-HK

Utility Tie-Downs

Product Code Number	Web Width (IN)	Web Length (Ft)	Product Type	Handle Type	End Fittings Product Finish	Ratchet Buckle Type	**Work Load Limit Lbs.**	Min. Break Strength Lbs.	Weight Lbs. Each	Pcs. Per Box
RS-1-16-M-S-HK	1	16	S-Hook	Ratchet	Vinyl Coating	RB-1-M	**1,000**	3,000	2	20
RS-1-16-M-WH-DK	1	16	Wire J-Hook	Ratchet	Chrome	RB-1-M	**1,000**	3,000	1.6	20
CS-1-20-S-HK	1	20	S-Hook	Cam	Vinyl Coating	CB-1	**800**	2,400	1.24	20

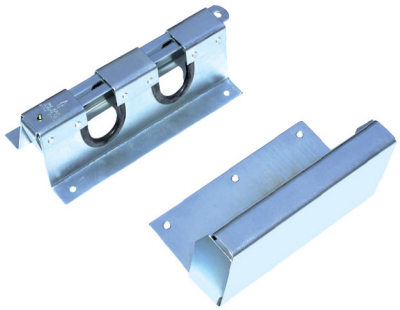
WARNING - DO NOT EXCEED WORK LOAD LIMIT

Cargo Bars & Holders, Deck Beams, Floor Chain-Tie Down



Cargo Bar

Product Code Number	Description	Reach Min/Max (IN)	Tube Diam. (IN)	Weight Each (Lb.)	Pcs Per Box
CBS-89-105	Galvanized Steel Tubing w/ 2 Bolt-On Foot Pads	89-105	1.5	10.4	4



Cargo Bar Holder

Product Code Number	Description	Weight Each (Lb.)	Pcs Per Box
CBH-2-4	Powder Coated, Fits Both Foot Systems - 2" x 4" or 4" x 4"	5.8	8

Features: Storage for Cargo Bars, Lockable with Padlock, Neoprene Cushion Dampens Vibration



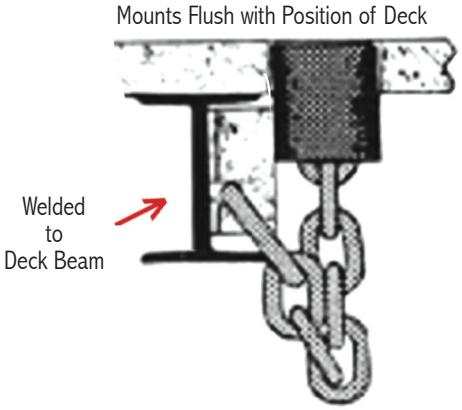
Deck Beam

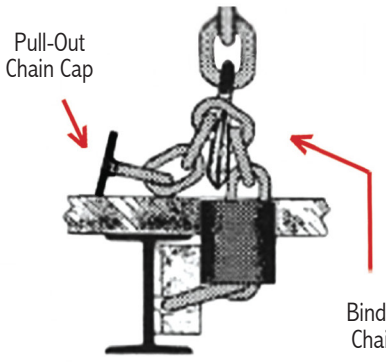
Product Code Number	Description	Length (IN)	**Work Load Limit (Lb.)**	Weight Each (Lb.)	Pcs Per Box
EBEAM A-105	• Deck Shoring Beam, Aluminum	94.8-105.8	**2,200**	19	1

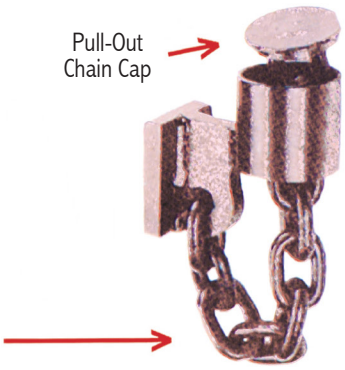
*With High Strength All Steel Heads (Zinc Plated) with Flat Trigger Latch

Flatbed-Deck, Floor Chain Tie-Down

Product Code Number	Description	**Work Load Limit (Lb.)**	Proof Load Limit (Lb.)	Weight Each (Lb.)	Pcs Per Box
FCTD-G70	Flatbed - Flush Mount with 3/8" Grade 70 Chain	**6,600**	13,200	3.2	10







WARNING - DO NOT EXCEED WORK LOAD LIMIT

Your Broadest Line of Specialty Turnbuckles

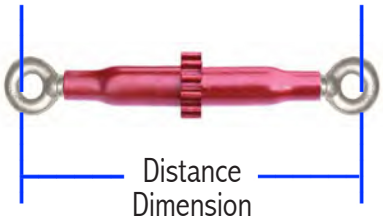


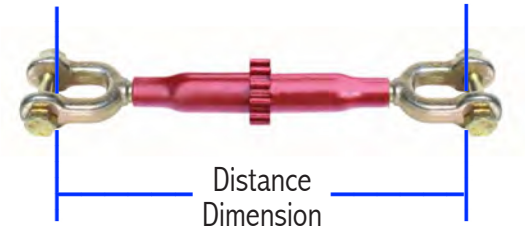
WARNING - DO NOT EXCEED WORK LOAD LIMIT

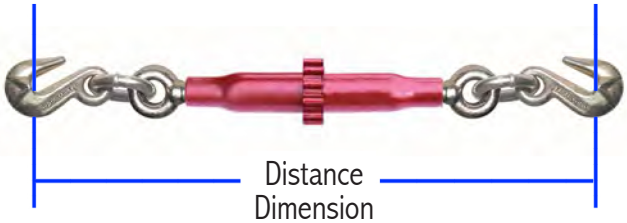
Bearing to Bearing - Explained

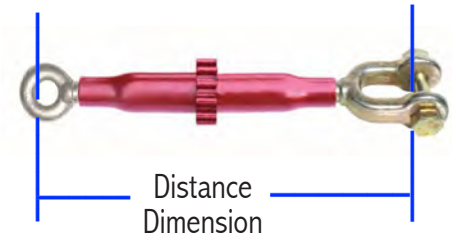
A Clarification of what is meant when you measure the length of the "Bearing to Bearing."

Bearing to Bearing
CLOSED
(Min. Distance)

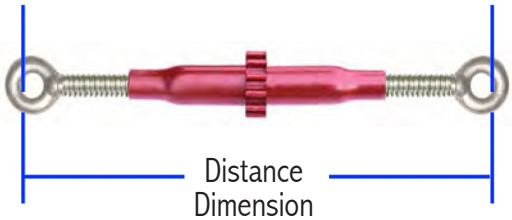


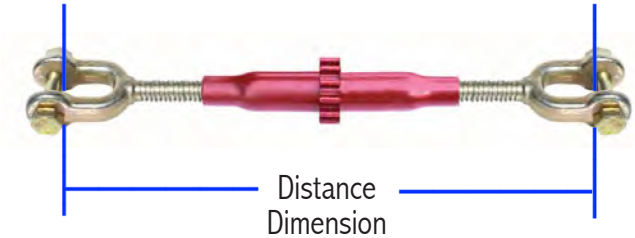


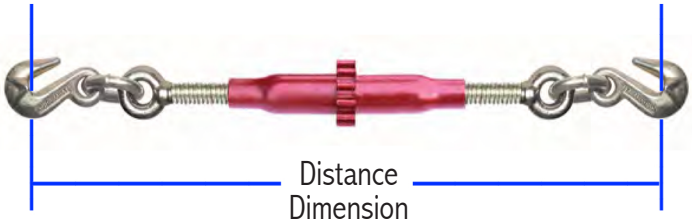


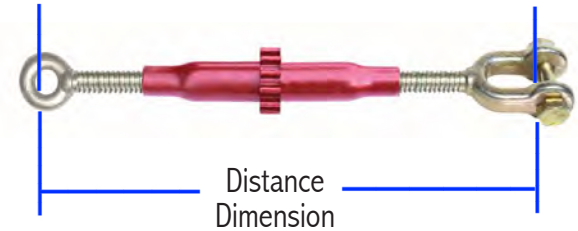


Bearing to Bearing
OPEN
(Max. Distance)









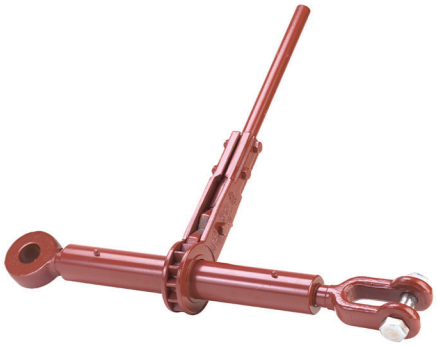
Please Inquire for Special Examples

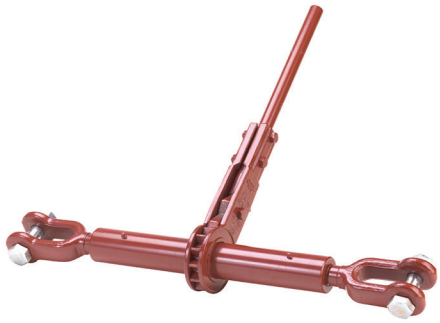
WARNING - DO NOT EXCEED WORK LOAD LIMIT

(CDR) Specialty Compactor Series Ratchet Turnbuckles

When ordering, remember to review: Screw Diameter, Length of Barrel, End Fitting Selection, Take-Up, and Work Load Limit.



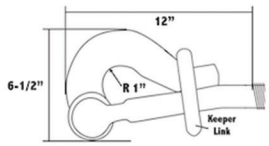




(CDR) Series

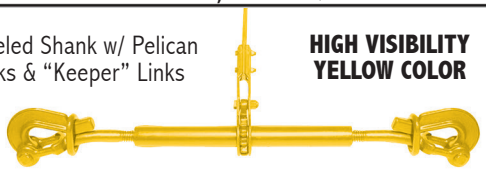
Product Code Number	Take-Up (IN)	Barrel Length (IN)	End Fittings	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed-Open) (IN)	Jawbolt Throat Opening (IN)	Work Load Limit (Lb.)	Proof Tested Load Limit (Lb.)	Weight Each (Lb.)	PCS Per Box
CDR-2-E-E	10	12	**Eye-Eye**	24	1-3/8	18-28	1-1/4 Hole Diam.	**28,000**	56,000	29	1
CDR-2-E-E-R	10	12	**Eye-Eye**	24	1-3/8	18-28	1-1/4 Hole Diam.	**28,000**	56,000	27.4	1
CDR-6-E-E	14	16.75	**Eye-Eye**	24	1-3/8	22.5-36.5	1-1/4 Hole Diam.	**28,000**	56,000	33.4	1
CDR-24-E-E	22	24	**Eye-Eye**	24	1-3/8	30-52	1-1/4 Hole Diam.	**28,000**	56,000	36.8	1
CDR-12-134-E-E	10	12	**Eye-Eye**	24	1-3/4	18.5-28.5	1-3/4 Hole Diam.	**42,000**	84,000	39.2	1
CDR-18-134-E-E	16	18	**Eye-Eye**	24	1-3/4	25.5-41.5	1-3/4 Hole Diam.	**42,000**	84,000	44	1
CDR-24-134-E-E	22	24	**Eye-Eye**	24	1-3/4	31-53	1-3/4 Hole Diam.	**42,000**	84,000	50.2	1
CDR-2-J-J	10	12	**Jaw-Jaw**	24	1-3/8	21-31	1-5/16	**28,000**	56,000	34.2	1
CDR-6-J-J	14	16.75	**Jaw-Jaw**	24	1-3/8	25.5-39.5	1-5/16	**28,000**	56,000	38.6	1
CDR-24-J-J	22	24	**Jaw-Jaw**	24	1-3/8	33-55	1-5/8	**28,000**	56,000	39.2	1
CDR-12-134-J-J	10	12	**Jaw-Jaw**	24	1-3/4	21.5-31.5	2-3/8	**42,000**	84,000	46.8	1
CDR-18-134-J-J	16	18	**Jaw-Jaw**	24	1-3/4	28-44	2-3/8	**42,000**	84,000	54	1
CDR-24-134-J-J	22	24	**Jaw-Jaw**	24	1-3/4	33-55	2-3/8	**42,000**	84,000	61.4	1
CDR-2-J-E	10	12	**Jaw-Eye**	24	1-3/8	20-30	1-5/16	**28,000**	56,000	31.5	1
CDR-6-J-E	14	16.75	**Jaw-Eye**	24	1-3/8	24-38	1-5/16	**28,000**	56,000	36.4	1
CDR-24-J-E	22	24	**Jaw-Eye**	24	1-3/8	31.5-53.5	1-5/8	**28,000**	56,000	38.2	1
CDR-12-134-J-E	10	12	**Jaw-Eye**	24	1-3/4	20-30	2-3/8	**42,000**	84,000	41.4	1
CDR-18-134-J-E	16	18	**Jaw-Eye**	24	1-3/4	27-43	2-3/8	**42,000**	84,000	48.2	1
CDR-24-134-J-E	22	24	**Jaw-Eye**	24	1-3/4	31.5-53.5	1-3/4	**42,000**	84,000	56.4	1

(CDR-ASA) Series Steamboat Ratchet Binder



- Angeled Shank w/ Pelican Hooks & "Keeper" Links

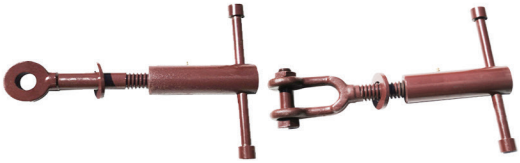
HIGH VISIBILITY YELLOW COLOR



Product Code Number	Take-Up (IN)	Barrel Length (IN)	End Fittings	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed-Open) (IN)	Jawbolt Throat Opening (IN)	Work Load Limit (Lb.)	Proof Tested Load Limit (Lb.)	Weight Each (Lb.)	PCS Per Box
CDR-ASA-24-138-PH	22	24.5	**Pelican Hks**	21.5	1-3/8	44-66	1-1/8	**30,000**	60,000	58.2	1

(SB) Series Swing-Bolt Turnbuckles

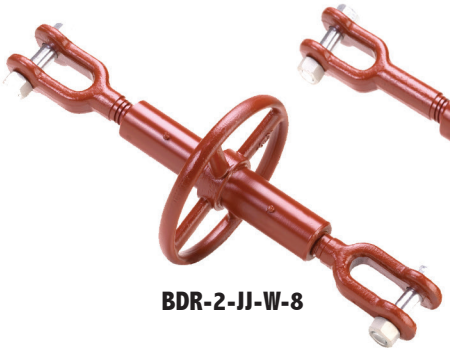
- Used on a truck body to secure the shell enclosure to the frame and the compactor
- Supplied with grease fittings

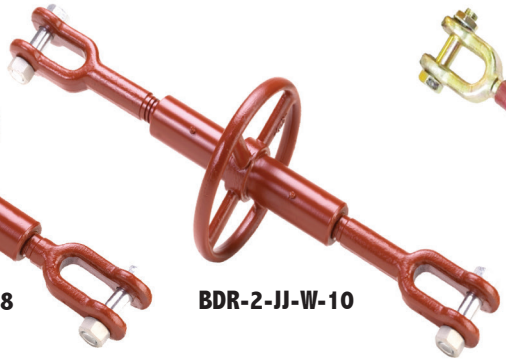


Product Code Number	Take-Up (IN)	Barrel Length (IN)	End Fittings	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed-Open) (IN)	Jawbolt Throat Opening (IN)	Work Load Limit (Lb.)	Proof Tested Load Limit (Lb.)	Weight Each (Lb.)	PCS Per Box
CDR-SB-E	5	7	**Eye-Vise Hndl**	12.25	1-3/8	15-20	1-5/16	**28,000**	56,000	13	1
CDR-SB-J	5	7	**Jaw-Vise Hndl**	12.25	1-3/8	15-20	1-5/8	**28,000**	56,000	14	1

WARNING - DO NOT EXCEED WORK LOAD LIMIT

(BDR) Specialty Baler & (DTT) Truck-Tight Binders


BDR-2-JJ-W-8


BDR-2-JJ-W-10


BDR-2x1-JJ-W-8


BDR-6-EE-W-8

(BDR) Baler Series

Product Code Number	Take-Up (IN)	Barrel Length (IN)	End Fittings	Wheel Diam. (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed-Open) (IN)	Jawbolt Throat Opening (IN)	Work Load Limit (Lb.)	Proof Tested Load Limit (Lb.)	Weight Each (Lb.)	PCS Per Box
BDR-2-JJ-W-8	10	12	**Jaw-Jaw**	8	1-3/8	22-32	1-5/16	**28,000**	56,000	28.8	1
BDR-2-JJ-W-10	10	12	**Jaw-Jaw**	10	1-3/8	28-38	1-5/16	**28,000**	56,000	33.4	1
BDR-2-JJS-W-10*	10	12	**Jaw-Jaw**	10	1-3/8	22-32	1-5/16	**28,000**	56,000	29.8	1
BDR-2x1-JJ-W-8	10	12	**Jaw-Jaw**	8	1	18-28	1-1/8	**13,000**	26,000	15.6	1
BDR-6-EE-W-8	14	16	**Eye-Eye**	8	1-3/8	23-37	1-1/4	**28,000**	56,000	28.4	1


DTT


DTT-2-58SLP


DTT-J-J

(CDR) Series

Product Code Number	Take-Up (IN)	Barrel Length (IN)	End Fittings (IN)	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed-Open) (IN)	Jawbolt Throat Opening (IN)	Work Load Limit (Lb.)	Proof Tested Load Limit (Lb.)	Weight Each (Lb.)	PCS Per Box
DTT	8	10	**Eye-Eye**	15.5	1	14-22	1-3/16	**16,000**	32,000	9	4
DTT-J-J	8	10	**Jaw-Jaw**	15.5	1	16.75-25.75	1-1/4	**16,000**	32,000	13	4
DTT-J-J-12	10	12	**Jaw-Jaw**	15.5	1	19-29	1-1/4	**16,000**	32,000	14	1
DTT-1-3	8	10	**3/8 Grab Hk - 5/8 Grab Hk**	15.5	1	23.5-31.5	n/a	**8,800**	17,600	13.4	4
DTT-1-J	8	10	**3/8 Grab Hk - Jaw**	15.5	1	20.5-28.5	1-1/4	**8,800**	17,600	12.4	4
DTT-2-58SLP	8	10	**1/2 Grab Hk - 5/8 Slip Hk**	15.5	1	25.25-33.25	n/a	**12,000**	24,000	17	4
DTT-2-J	8	10	**1/2 Grab Hk - Jaw**	15.5	1	20-28	1-1/4	**12,000**	24,000	13.6	4
DTT-J-E	8	10	**Jaw-Eye**	15.5	1	15.5-23.5	1-1/4 & 1-3/16	**16,000**	32,000	11	4

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Additional Durabilt Specialty Items

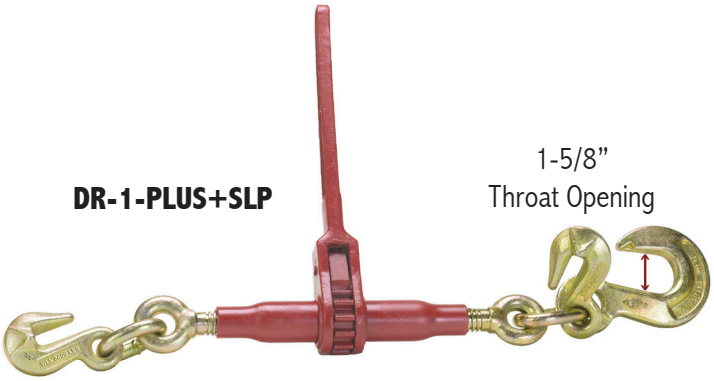


WARNING - DO NOT EXCEED WORK LOAD LIMIT

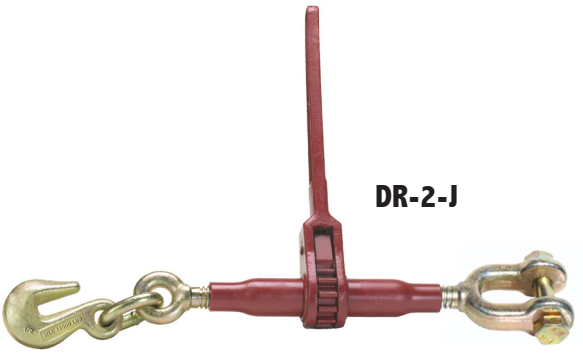
(DR) Specialty Pro-Bind Ratchet Binders

DR-1-PLUS+SLP

1-5/8" Throat Opening



DR-2-J



D-Ring Sold Separately

2 Ft. Chain

NEW

***DR-C+SLG**



DR-2-58SLP



(DR) Pro-Bind Series

Product Code Number	Take-Up (IN)	Barrel Length (IN)	End Fitting (IN)	End Fitting (IN)	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed to Open)	Eyebolt Hole Diam. or Jawbolt Throat Opening (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Lbs./ea.	Pcs. Per Box
DR	8	10	**Eye**	**Eye**	15.5	1	14-22	1-1/16	**13,000**	26,000	9	4
DR(GF) *	8	10	**Eye**	**Eye**	15.5	1	14-22	1-1/16	**13,000**	26,000	9	4
DR-1-3	8	10	**3/8 Eye Grab Hk**	**5/8 Eye Grab Hk**	15.5	1	24.66-32.66	n/a	**7,300**	14,600	13.4	1
DR-1-E	8	10	**3/8 Grab Hk**	**Eye**	15.5	1	18-26	1-1/16	**7,300**	14,600	10.4	4
DR-1-E(GF) *	8	10	**3/8 Grab Hk**	**Eye**	15.5	1	18-26	1-1/16	**7,300**	14,600	10.4	4
DR-1-J *	8	10	**3/8 Grab Hk**	**Jaw**	15.5	1	20-28	1-1/8	**7,300**	14,600	12.4	3
DR-1-PLUS-E-8	6	8	**Eye**	**3/8 Cradle Grab Hk**	15.5	1	16-22	1-1/16	**8,800**	17,600	9.6	4
DR-1-PLUS+SLP	8	10	**3/8 Cradle Grab Hk+1/2 Sling Hk**	**3/8 Cradle Grab Hk**	15.5	1	n/a	n/a	**8,800**	17,600	14.6	4
DR-1+SLP	8	10	**3/8 Grab+3/8 Sling Hk**	**3/8 Eye Grab Hk**	15.5	1	n/a	n/a	**7,300**	14,600	14.6	4
*** DR-C+SLG**	8	10	**3/8 x2' G8 Chain+1/2 Sling Hk**	**3/8Grab Hk+1/2Sling Hk**	15.5	1	*****	n/a	**7,300**	14,600	19	2

* With Grease Fittings

* Sling Hk to Sling Hk = **54.5-62.5**
* Sling Hk to Grab Hk = **52-60**

DR-2-12SLP	8	10	**1/2 Grab Hk**	**1/2 Slip Hk**	15.5	1	24.5-32.5	n/a	**12,000**	24,000	14.0	4
DR-2-24	22	24	**1/2 Grab Hk**	**1/2 Grab Hk**	15.5	1	39-61	n/a	**9,200**	18,400	19.8	2
DR-2-58SLP	8	10	**1/2 Eye Grab Hk**	**5/8 Slip Hk**	15.5	1	27.13-35.13	n/a	**12,000**	24,000	16.4	2
DR-2-E	8	10	**1/2 Grab Hk**	**Eye**	15.5	1	19-27	1-1/16	**12,000**	24,000	11.4	4
DR-2-J	8	10	**1/2 Grab Hk**	**Jaw**	15.5	1	20.5-28.5	1-1/8	**12,000**	24,000	13.2	3
DR-SLP-SLP-12	8	10	**1/2 Slip Hk**	**1/2 Slip Hk**	15.5	1	26-34	n/a	**12,000**	24,000	14.6	4

WARNING - DO NOT EXCEED WORK LOAD LIMIT

(DR) Specialty Pro-Bind Ratchet Binders

DR-X15+58SLP



DR-SPS-SPS



DR-E-LOOP



(DR) Pro-Bind Series

Product Code Number	Take-Up (IN)	Barrel Length (IN)	End Fitting	End Fitting	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed to Open)	Eyebolt Hole Diam. or Jawbolt Throat Opening (IN)	**Work Load Limit Lbs.**	Proof Tested Load Limit Lbs.	Weight Lbs./ea.	Pcs. Per Box
DR-20-E-E	18	20	**Eye**	**Eye**	15.5	1	25-43	1-1/16	**13,000**	26,000	13.8	2
DR-24-E-E	22	24	**Eye**	**Eye**	15.5	1	29-51	1-1/32	**13,000**	26,000	15.4	2
DR-3-E	8	10	**5/8 Grab Hk**	**Eye**	15.5	1	20.19-28.19	1-1/16	**13,000**	26,000	13	2
DR-3-58SLP	8	10	**5/8 Grab Hk**	**5/8 Slip Hk**	15.5	1	27.69-35.69	n/a	**13,000**	26,000	17.2	2
DR-3+58SLP	8	10	**5/8 Grab Hk & 5/8 Slip Hk**	**5/8 Grab Hk**	15.5	1	n/a	n/a	**13,000**	26,000	15	2
DR-44-E-E	42	44	**Eye**	**Eye**	15.5	1	49.5-91.5	1-1/16	**13,000**	26,000	24	1
DR-E-LOOP	8	10	**12" Loop (0.54")**	**Eye**	15.5	1	26-34	1-1/32	**9,200**	18,400	11	4
DR-E-LOOP-3/4	8	10	**16" Loop (3/4")**	**Eye**	15.5	1	28.25-36.25	1-1/16	**9,200**	18,400	13.2	3
DR-J-LOOP-3/4	8	10	**16" Loop (3/4")**	**Jaw**	15.5	1	29.75-37.75	1-1/8	**9,200**	18,400	16	3
DR-J-E	8	10	**Jaw**	**Eye**	15.5	1	15.75-23.75	1-1/8	**13,000**	26,000	12	3
DR-J-J	8	10	**Jaw**	**Jaw**	15.5	1	17-25	1-1/8	**13,000**	26,000	15	3
DR-SLP-SLP-58	8	10	**5/8 Slip Hk**	**5/8 Slip Hk**	15.5	1	28-36	n/a	**15,000**	30,000	17.4	2
DR-SPS-SPS	8	10	**7/8 Screw Pin Shackle**	**7/8 Screw Pin Shackle**	15.5	1	20-28	n/a	**13,000**	26,000	15.2	2

Specialty Titan Series Ratchet Binders

(DR-X) Titan Series

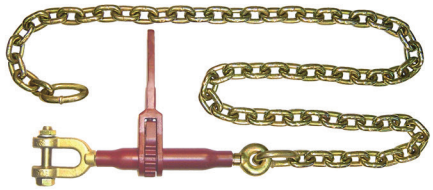
DR-X15-58SLP	8	10	**1/2 Grab Hk**	**5/8 Slip Hk**	15.5	1	27.25-35.25	n/a	**15,000**	30,000	15	2
DR-X15+58SLP	8	10	**1/2 Grab & 5/8 Slip Hk**	**1/2 Grab Hk**	15.5	1	27.25-35.25	n/a	**15,000**	30,000	16	2

WARNING - DO NOT EXCEED WORK LOAD LIMIT

(DR-SJ) Swivel Jaw, (LDR) Light Pro-Bind, & (LDR-T) T-Handle Specialty Series



DR-1-SJ



DR-C-SJ

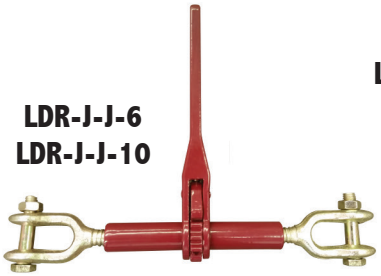


DR-J-SJ

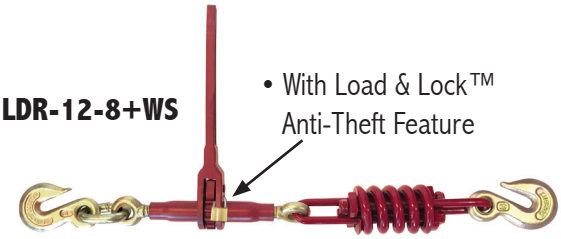
(DR-SJ) Swivel Jaw Series

Product Code Number	Take-Up (IN)**	Barrel Length (IN)	End Fitting	End Fitting	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed-Open)	Eyebolt Hole Diam. or Jawbolt Throat Opening (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Lbs. Each	Pcs. Per Box
*DR-1-SJ	6	10	3/8" Grab Hk	Swivel Jaw	15.5	1	19-25	1-1/8	**6,600**	13,200	11.4	4
*DR-C-SJ	6	10	3/8" x 32" G7 Chain	Swivel Jaw	15.5	1	49-56	1-1/8	**6,600**	13,200	15	4
*DR-J-SJ	6	10	Jaw	Swivel Jaw	15.5	1	16.25-22.25	1-1/8	**6,600**	13,200	13	4

*All w/ Off-Set Handle Toward Swivel Jaw Side Only **Take up on one side only



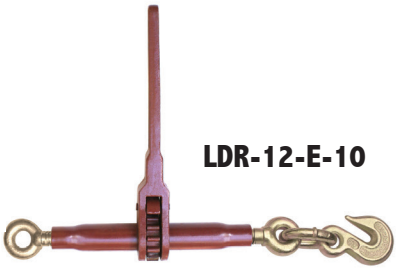
LDR-J-J-6
LDR-J-J-10



LDR-12-8+WS

• With Load & Lock™ Anti-Theft Feature

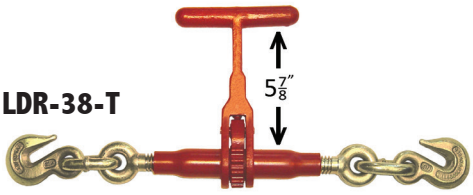
* Padlock not supplied



LDR-12-E-10

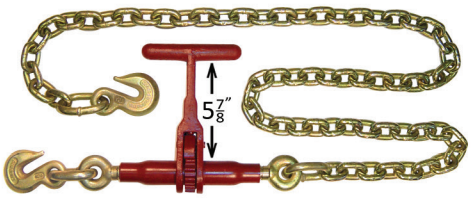
(LDR) Light Pro-Bind Series

Product Code Number	Take-Up (IN)	Barrel Length (IN)	End Fitting	End Fitting	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed-Open)	Eyebolt Hole Diam. or Jawbolt Throat Opening (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Lbs. Each	Pcs. Per Box
LDR	6	8	Eye	Eye	15	7/8	11.25-17.25	7/8	**12,000**	24,000	6.6	4
LDR-12-E	6	8	1/2 Eye Grab Hk	Eye	15	7/8	16.5-24.5	7/8	**9,200**	18,400	9.0	4
LDR-12-E-10	8	10	1/2 Eye Grab Hk	Eye	15	7/8	18.5-26.5	7/8	**9,200**	18,400	9.4	4
LDR-14-E-E	4	6	Eye	Eye	9	1/2	9.5-13.5	3/4	**3,500**	7,000	2.6	4
LDR-38-E	6	8	3/8 Eye Grab Hk	Eye	15	7/8	15-21	7/8	**7,100**	14,200	8.0	4
LDR-E-E-10	8	10	Eye	Eye	15	7/8	13.5-21.5	7/8	**12,000**	24,000	7.2	4
LDR-J-J-6	4	6	Jaw	Jaw	9	1/2	11.25-15.25	1/2	**3,500**	7,000	3.6	4
LDR-J-J-10	8	10	Jaw	Jaw	15	7/8	17-25	1	**13,000**	26,000	10.4	4
LDR-12-8+WS	6	8	1/2 Eye Grab Hk	1/2 Eye Grab Hk w/Spring	15	7/8	31.5-37.5	7/8	**9,200**	18,400	7.4	2



LDR-38-T

Load & Lock™ Anti-Theft Protection



LDR-UR-38

(LDR-T) T-Handle Series

Product Code Number	Take-Up (IN)	Barrel Length (IN)	End Fitting	End Fitting	Handle Length (IN)	Screw Diam. (IN)	Bearing to Bearing (Closed-Open)	Eyebolt Hole Diam. or Jawbolt Throat Opening (IN)	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Lbs. Each	Pcs. Per Box
LDR-38-T	6	8	3/8 Grab Hk	3/8 Grab Hk	9	7/8	19.5-25.5	n/a	**7,100**	14,200	9.4	4
LDR-UR-38	6	8	3/8 Grab Hk	With 6 Ft. 3/8 G-80 Chain	9	7/8	93.25-99.25	n/a	**7,100**	14,200	18.2	3

(RH) Removable Handle Series
Ratchet Binders

Reduces Theft Potential

DR-RH

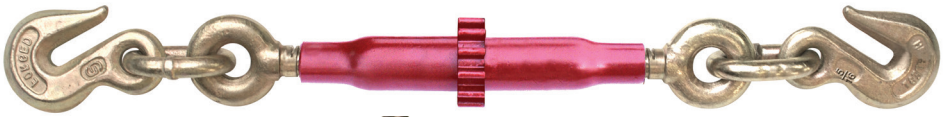


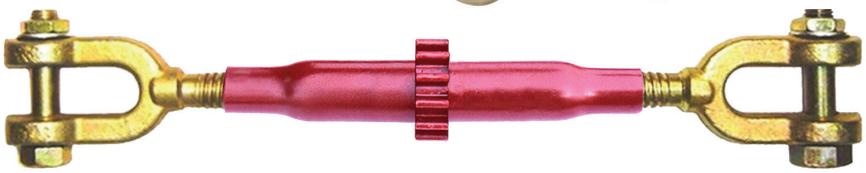
One Handle Fits All "DR" Ratchet Binder Bodies Below



DR-1-PLUS-8800-B

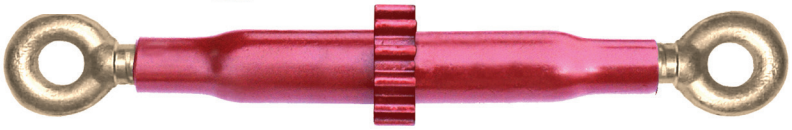
DR-1-Body

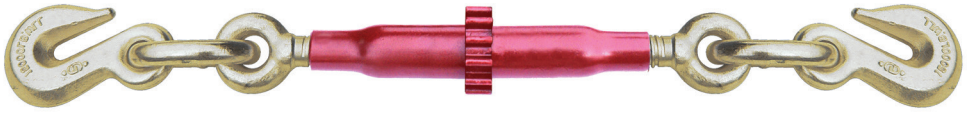




DR-J-J-Body

DR-Body



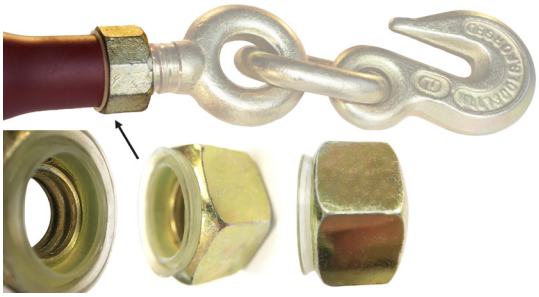


DR-X15-Body

- One handle fits all – handle length is 17.25"
- Removable handle limits risk of loss by theft
- All Bolts do not back off from barrel if used with jam nuts
- Structurally reinforced handle design
- Handles and barrels sold separately
- **WARNING**: Always remove handle before transit!

JAM NUT - DR-R

- All DR Bodies Supplied with 1 Jam Nut
- Fits All DR & DFX Series Ratchet Binders
- Fits Right Handed Threading (Side) Only



(RH) Removable Handle Series

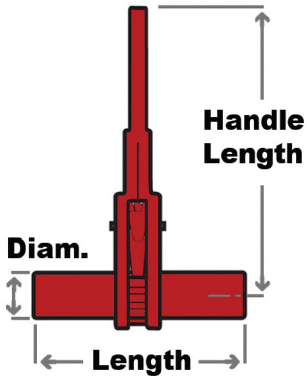
Product Code Number	Series	End Fitting Hook Type & Size Inches	Take-Up Inches	Barrel Length Inches	Screw Diam. Inches	W.L.L. Lbs.	Proof Tested Load Lbs.	Weight Lbs. Each	Pcs. Per Box
DR-RH	Removable Handle	**Handle Only (RH)**	n/a	n/a	n/a	**See Body**	n/a	4.6	4
DR-X15-Body	Titan Body(RH)	**1/2" Grab Hook x2**	8	10	1	**15,000**	30,000	11.8	4
DR-1-PLUS-8800-Body	Pro-Bind (RH)	**3/8" Cradle Hook x2**	8	10	1	**8,800**	17,600	8.6	4
DR-1-Body	Pro-Bind (RH)	**3/8" Grab Hook x2**	8	10	1	**7,300**	14,600	8.2	4
DR-1-J-Body	Pro-Bind(RH)	**3/8" Grab Hook-Jaw**	8	10	1	**7,300**	14,600	9.4	4
DR-Body	Pro-Bind (RH)	**Eye-Eye**	8	10	1	**13,000**	26,000	5.6	4
DR-J-J-Body	Pro-Bind (RH)	**Jaw-Jaw**	8	10	1	**13,000**	26,000	10.2	4
Jam Nut - DR-R	Pro-Bind	**For right hand thread - Fits 1" screw diam.**						.02	12

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Durabolt Dimensions

All in Inches

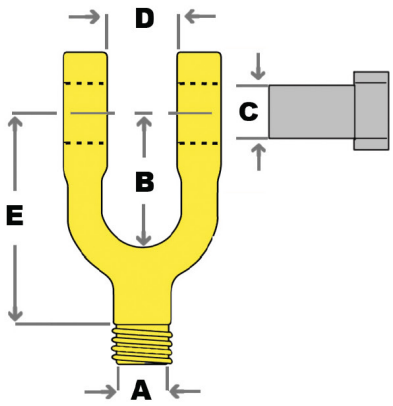
Handle / Barrel



Screw Diameter	**Barrel Pipe O.D.**	* Work Load Limit (Lb.)	** **Min. Break Strength (Lb.)**	*** Standard Handle Length
1/2	**1-1/8**	6,600	**19,800**	7-1/4
7/8	**1-3/8**	12,000	**40,000**	15
1	**1-5/8**	16,000	**48,000**	15.5
1-3/8	**2-5/16**	28,300	**85,000**	21-1/2
1-3/4	**2-7/8**	42,000	**126,000**	21-3/4

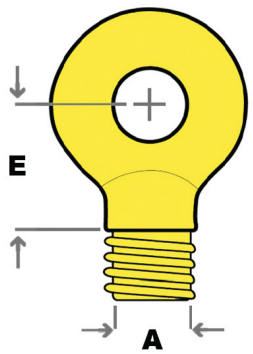
* Welded End Fittings Reduce Work Load LImit & Minimum Breaking Strength.
** Ratings are for Straight Tension Application Only.
*** Lengths up to 4 Feet.

Clevis Jaw



A Shank Diameter	**B Eye Center to Throat**	**C** Durabilt Supplied Pin Diameter	**D Throat Opening**	**E** Eye Center to Thread Origin
1/2	**1-5/8**	1/2	**3/4**	2-1/2
7/8	**2-1/4**	7/8	**1-1/8**	4
1	**2-1/2**	3/4	**1-1/8**	3-5/8
1-3/8	**3-5/16**	15/16	**1-5/16**	5
1-3/4	**3-7/8**	1-33/64	**2-3/8**	5-1/2

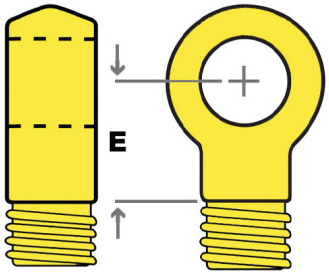
Eyebolts Forged



A Shank Diameter	**Thickness**	Outside Diameter	**C** Suggested Pin Diam.	***E** Eye Center to Thread Origin
1/2	**1/2**	1-3/4	**11/16**	1
7/8	**5/8**	2	**11/16**	1-1/2
1	**3/4**	2-3/8	**15/16**	1-5/8
1-3/8	**1-3/8**	3-3/16	**1-1/4**	2

* For Use with Chain or Wire Rope

Eyebolts Forged



A Shank Diameter	**Thickness**	Outside Diameter	**Eye Diameter**	**C** Suggested Pin Diam.	***E Eye Center to Thread Origin**
7/8	**5/8**	2	**7/8**	13/16	**1-1/2**
1	**11/16**	2-5/16	**1-1/32**	15/16	**1-3/4**
1-3/8	**1-3/8**	3-3/16	**1-1/4**	1-3/16	**2**
1-3/4	**1-3/4**	3-3/4	**1-3/4**	1-11/16	**2-1/2**

* For Use with Pins or Bolts

WARNING - DO NOT EXCEED WORK LOAD LIMIT

(CTB) Poultry Cage Securement Series

Forged Components Secure Your Cage to the Trailer



DB-I-CTB



DB-II-CTB



DB-II-CTB-SR

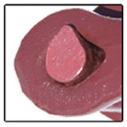


DB-I-CTB-24



DB-I-CTB-2126

All w/ Dura-Lok Feature



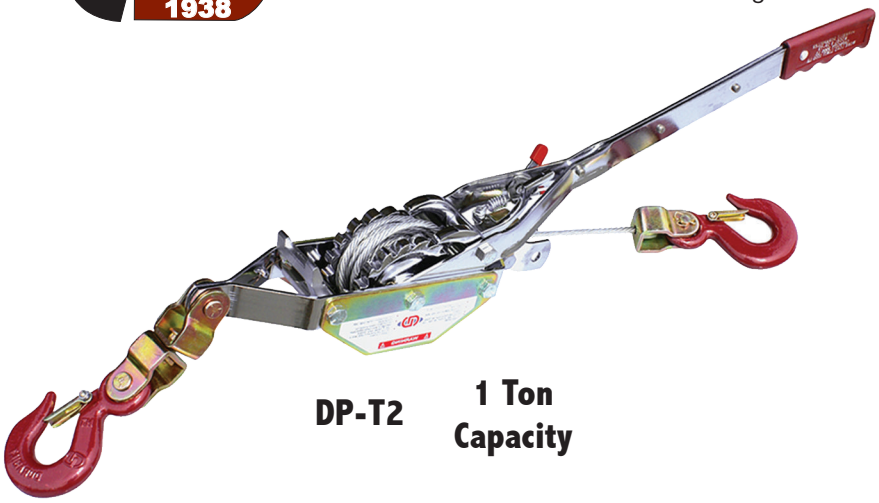
(CTB) Poultry Cage Series

Product No.	Chain Size & Grade	Chain Length (IN)	5/16" Hook End Fitting	Ring Diam. (IN)	Overall Locked Length (IN)	Handle Length (IN)	**Work Load Limit (Lb.)**	Proof Tested Load Limit (Lb.)	Weight Ea. (Lb.)	Pcs Per Box
DB-I-CTB	1/4" G43	10	Each End	3/8 x 2.5	29	11	**2,600**	5,200	5	6
DB-II-CTB	5/16" G43	10	Each End	n/a	29	13	**3,000**	6,000	9	6
DB-II-CTB-SR	5/16" G43	15	One End	3/8 x 2.5	29	13	**3,000**	6,000	8	6
DB-I-CTB-24	1/4" G43	13	One End	2.5	24.8	11	**2,600**	5,200	4.4	6
DB-I-CTB-2126	1/4" G43	21 & 26	Each End	2.5	55	11	**2,600**	5,200	7.4	6

WARNING - DO NOT EXCEED WORK LOAD LIMIT

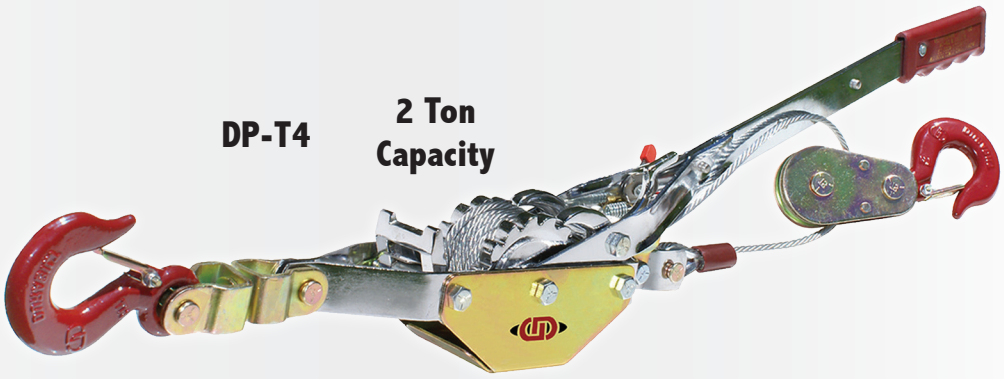
Select Your Durapuller

Stretch • Align • Pull • Position • Tighten

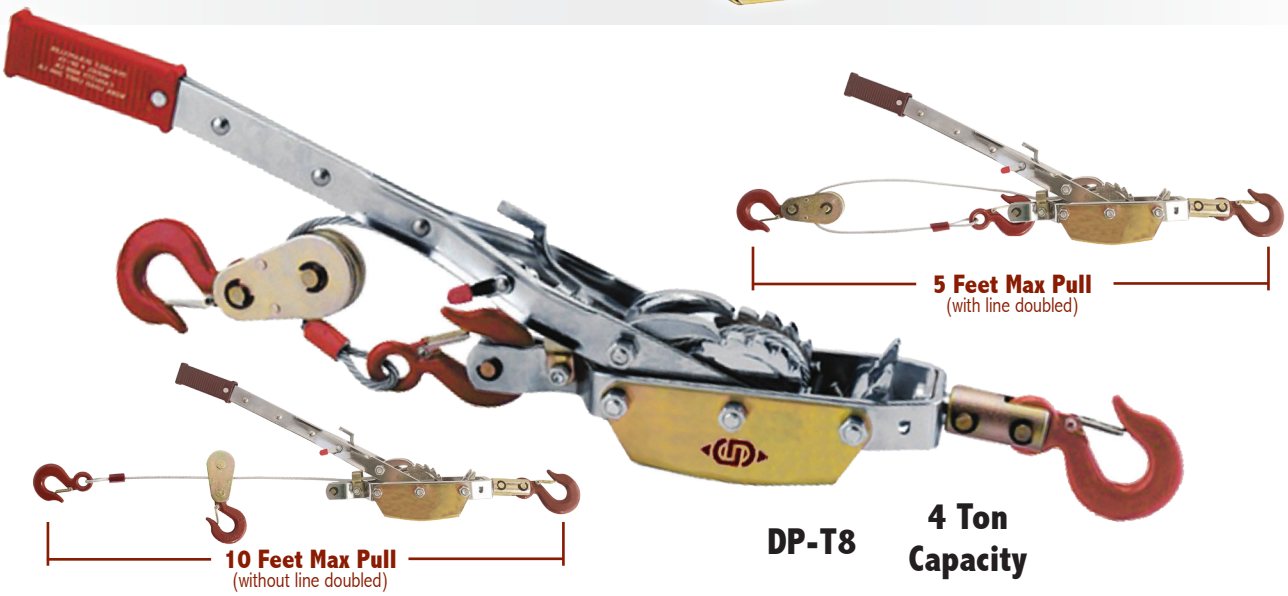


DP-T2 **1 Ton Capacity**

- Solid one piece gear & drum
- Double-drive pawls & gears for power & balance
- Double-reverse BACK-OFF pawls for secure, E-Z unloading
- 360 degree rotation
- Protective cable cover plate
- Spring operated holding pawls
- Heat-treated drop forged hooks with safety latches
- Tempered at all stress points



DP-T4 **2 Ton Capacity**



5 Feet Max Pull
(with line doubled)

10 Feet Max Pull
(without line doubled)

DP-T8 **4 Ton Capacity**

Durapuller

Product Code Number	Handle Length Inches	Galvanized 7x9 Aircraft Cable Diameter	Single Line Suggested W.L.L. Lbs.	Single Line (Capacity) M.B.S. Lbs.	Double Line Suggested W.L.L. Lbs.	Double Line (Capacity) M.B.S. Lbs.	Maximum Pull Feet	Weight Each Lbs.	Pcs. Per Box
DP-T2	20	3/16"	1,000	**2,000**	n/a	**n/a**	12	8.2	6
DP-T4	20	3/16"	n/a	**n/a**	2,000	**4,000**	6	9.4	6
DP-T8	22	1/4"	2,000	**4,000**	4,000	**8,000**	5 to 10	14.4	4

WARNING - DO NOT EXCEED WORK LOAD LIMIT

DURALIFT™ - Lever Hoist



"Mini-Max"
1/4, 1/2 Ton

***3/4, *1.5, *3 Ton**

***6 Ton**

ISO9001: 2000
4004Q11533ROM

S 50029228
S 50031780

T05567

AM 500-46871
AM 500-46872

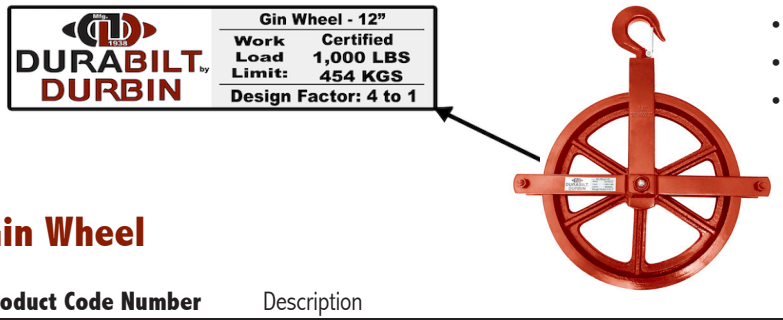
- Meets: ANSI/ ASME B30.21 & B30.10 design performance testing standard - OSHA compliant
- Grade 80 alloy hoist chain
- Impact resistant steel casing, gear & frame Meets: ASME B30.21/HST-3M design performance testing standard
- Alloy steel forged hooks designed to bend slowly as a warning sign in the event of overload
- 360 degree swivel-rotation on top hooks, bottom hooks and handle
- High strength steel stamped cold-formed casing, frame and lever handle
- Positive load control & braking action - Weston style load brake, 4 braking surfaces, 2 moisture resistant brake pads, double brake pawl system - fully enclosed (except 1/4 ton unit)
- Powder coated finish to assist against potential corrosion
- Individual serial number and test certificate issued for operational testing to 150% of rated capacity
- All hoists have "free-chaining" feature for quick slack take-up.
- Load chain roller-guide system for efficient multi-position lifting, pulling, stretching & positioning.

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Select Your Duralift Lever Operated Hoist

Dura lift Lever Hoists

Product Code Number	Rated Capacity			Standard Lift		Effort for Max Load		Lever Length		Hook Throat Opening		Distance Between Hooks		Approx Weight	Pcs. Per Box
1/4 Ton Hoists	ton	lb.	kg.	ft.	m	lb.	kg.	in.	mm	in.	mm	in.	mm	lb.	
DLH-1/4-Ton-5L	0.25	550	250	5	1.5	58.4	24.72	6.3	160	0.83	21.08	8.57	210	5.0	1
DLH-1/4-Ton-10L	0.25	550	250	10	3	58.4	24.72	6.3	160	0.83	21.08	8.57	210	6.4	1
DLH-1/4-Ton-20L	0.25	550	250	20	6	58.4	24.72	6.3	160	0.83	21.08	8.57	210	9.2	1
1/2 Ton Hoists															
DLH-1/2-Ton-10L	0.50	1100	500	10	3	58.4	24.72	6.3	160	0.83	21.08	8.57	210	8.6	1
3/4 Ton Hoists															
DLH-3/4-Ton-5L	0.75	1650	750	5	1.5	24.2	11	10.6	269.2	1.1	28.5	12.6	321	15.8	1
DLH-3/4-Ton-10L	0.75	1650	750	10	3	24.2	11	10.6	269.2	1.1	28.5	12.6	321	18.6	1
DLH-3/4-Ton-15L	0.75	1650	750	15	4.6	24.2	11	10.6	269.2	1.1	28.5	12.6	321	21	1
DLH-3/4-Ton-20L	0.75	1650	750	20	6	24.2	11	10.6	269.2	1.1	28.5	12.6	321	23.6	1
1.5 Ton Hoists															
DLH-1.5-Ton-5L	1.5	3300	1500	5	1.5	55	25	11.9	403.9	1.25	31.8	14.8	376	23.2	1
DLH-1.5-Ton-10L	1.5	3300	1500	10	3	55	25	11.9	403.9	1.25	31.8	14.8	376	28.4	1
DLH-1.5-Ton-15L	1.5	3300	1500	15	4.6	55	25	11.9	403.9	1.25	31.8	14.8	376	33.2	1
DLH-1.5-Ton-20L	1.5	3300	1500	20	6	55	25	11.9	403.9	1.25	31.8	14.8	376	38	1
DLH-1.5-Ton-25L	1.5	3300	1500	25	7.5	55	25	11.9	403.9	1.25	31.8	14.8	376	43.4	1
3 Ton Hoists															
DLH-3-Ton-5L	3	6600	3000	5	1.5	66	30	16	403.9	1.56	39.7	18.7	475	43.4	1
DLH-3-Ton-10L	3	6600	3000	10	3	66	30	16	403.9	1.56	39.7	18.7	475	50.8	1
DLH-3-Ton-15L	3	6600	3000	15	4.6	66	30	16	403.9	1.56	39.7	18.7	475	57.4	1
DLH-3-Ton-20L	3	6600	3000	20	6	66	30	16	403.9	1.56	39.7	18.7	475	64.8	1
DLH-3-Ton-25L	3	6600	3000	25	7.5	66	30	16	403.9	1.56	39.7	18.7	475	72.2	1
6 Ton Hoists															
DLH-6-Ton-5L	6	13200	6000	5	1.5	81	36.8	16.3	403.9	3.07	78	22.25	565	63	1
DLH-6-Ton-10L	6	13200	6000	10	3	81	36.8	16.3	403.9	3.07	78	22.25	565	78.4	1
DLH-6-Ton-15L	6	13200	6000	15	4.6	81	36.8	16.3	403.9	3.07	78	22.25	565	92.6	1



- Use with rope
- Grease Fittings
- Drop Forged Hooks

Gin Wheel

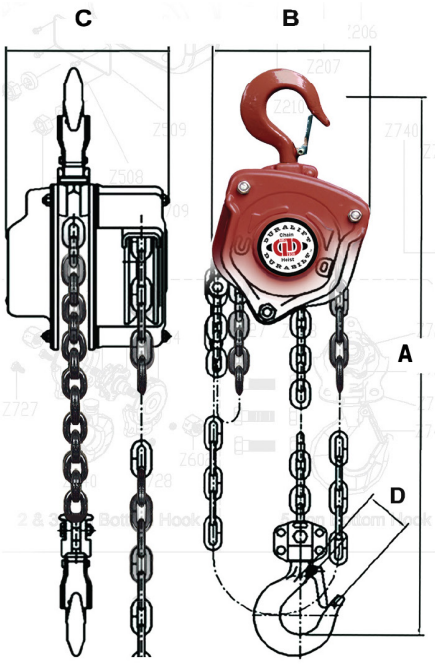
Product Code Number	Description	Rope Size	Work Load Limit Lbs.	Minimum Breaking Strength Lbs.	Weight Lbs. Each	Pcs. Per Box
GW-12	12” Gin Wheel w/ Forged Hooks	1 Inch	**1,000**	4,000	16.6	2

WARNING - DO NOT EXCEED WORK LOAD LIMIT

DURALIFT™ - Chain Hoist

Inquire About Custom Lengthed Chain

1/2 TON 1 TON 2 TON



- ISO9001: 2008 Approved
- High Strength Steel Frame and Gear Case
- Heat Treated Spur Gear
- Alloy Steel Grade 80 Load Chain
- Operationally Tested to 150% of Rated Capacity
- Serial Numbers, Inspection Certificates and Manuals Included
- Complies to Meet or Exceed: ASME B30.16, HST-ZM/ANSI Design Performance and Testing Standards



	A		B		C		D	
Product No.	(IN)	(mm)	(IN)	(mm)	(IN)	(mm)	(IN)	(mm)
DCH-1/2TON-10L	12	305	5.7	145	5	127	1.1	28
DCH-1TON-10L	13.6	345	6.2	157	5.8	147	1.2	30
DCH-2TON-10L	16.8	427	8	203	7	178	1.4	36

DURALIFT™ Chain Hoist

Product No.	Capacity Tons - Lb.		Number of Falls	Load Chain mm	Load Chain Grade	Pull to Rated Load Lb. - Kg.		Proof Tested Load Tons	Hand Chain mm	Standard Lift Ft. - m		Weight Ea. (Lb.)	Pcs Per Box
DCH-1/2TON-10L	0.5	1100	1	6 x 18	80	45.1	20.5	0.75	5 x 25 x 18	10	3	21.6	1
DCH-1/2TON-15L	0.5	1100	1	6 x 18	80	45.1	20.5	0.75	5 x 25 x 18	15	4.5	27	1
DCH-1TON-10L	1	2200	1	6 x 18	80	71.5	32.5	1.5	5 x 25 x 18	10	3	26.8	1
DCH-1TON-15L	1	2200	1	6 x 18	80	71.5	32.5	1.5	5 x 25 x 18	15	4.5	31.6	1
DCH-1TON-20L	1	2200	1	6 x 18	80	71.5	32.5	1.5	5 x 25 x 18	20	6	36.8	1
DCH-2TON-10L	2	4400	1	8 x 24	80	81.4	37	3	5 x 25 x 18	10	3	40.2	1
DCH-2TON-15L	2	4400	1	8 x 24	80	81.4	37	3	5 x 25 x 18	15	4.5	47.6	1
DCH-2TON-20L	2	4400	1	8 x 24	80	81.4	37	3	5 x 25 x 18	20	6	55.4	1

WARNING - DO NOT EXCEED WORK LOAD LIMIT

D-Rings

Bolt-On & Weld-On

Anchor points provide quick attachment when mounted on lowboys, steptrailers & wreckers

Features

- Premium Forged Steel
- Weld-On Brackets designed for surface mounting
- MBS and diameter is marked on each D-Ring
- Grade 8 carriage bolts not supplied for Bolt-On D-Link
- Design Factor 3 to 1
- D-Rings are individually poly-bagged w/ Durabilt P/No. I.D.
- *Weld-On brackets must be installed by certified welder

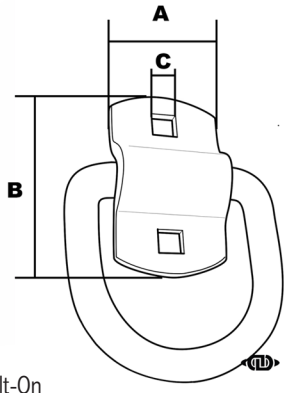
Galvanized



D-Ring / Bolt-On

Product No: **D-RING-BO-12-G**

SIZE (IN)	M.B.S. (Lb.)	W.L.L. (Lb.)	Weight (Lb.)	Box Qty
1/2	12,000	4,000	1	20

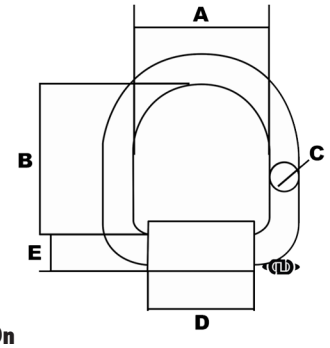


Bolt-On D-Ring Size (IN)	A	B	C
	ALL IN INCHES		
1/2	1.77	3.23	0.4



D-Ring / Weld-On

Product No.	SIZE (IN)	W.L.L. (Lb.)	M.B.S. (Lb.)	Weight (Lb.)	Box Qty
D-RING-WO-12	1/2	4,000	12,000	1	20
D-RING-WO-58	5/8	6,300	18,000	1.87	15
D-RING-WO-34	3/4	9,000	26,500	2.6	15
D-RING-WO-1	1	15,600	47,000	4.29	10



Weld-On D-RING SIZE (IN)	A	B	C	D	E
	ALL IN INCHES				
1/2	2.25	2.5	0.5	1.76	0.61
5/8	3	3	0.63	2.48	0.92
3/4	3	3	0.75	2.48	1
1	3	3	1	2.52	1.21

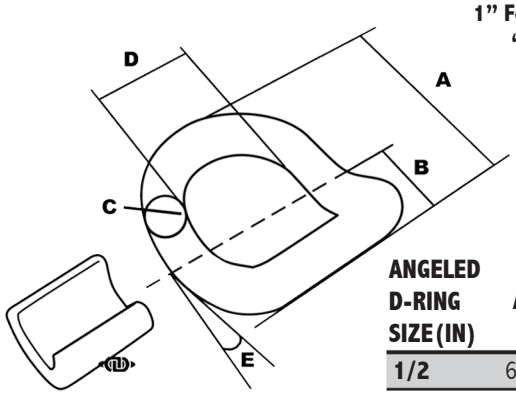


D-Ring / Weld-On

Product No: **D-RING-WO-1A**

SIZE (IN)	M.B.S. (Lb.)	W.L.L. (Lb.)	Weight (Lb.)	Box Qty
1	47,000	15,600	4.73	10

1" Forged - Angeled D-Ring, Allows for "E-Z" Grab before Attaching to Tie-Down



ANGELED D-RING SIZE (IN)	A	B	C	D	E
	ALL IN INCHES				
1/2	6.34	3.12	1	3	45°

!! WARNING !! **Do Not Exceed 3 to 1 Work Load Limit.** ***Weld-On Brackets Must Be Installed by Certified Welder.**

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Industrial Forged Hooks



Eye Slip (W/Latch)
G-43



Eye Grab
G-70



Eye Grab
G-100 Lashing



Eye Cradle Grab
G-100 Lashing



Eye Grab
G-43



Eye Sling
G-80



Eye Swivel
G-80



Eye Sling Self Locking
G-80



Eye Slip w/ Pulley Block
G-43

Product Code Number	Description	Size (IN)	Grade	Work Load Limit Lbs.	Product Finish	Weight Lbs. Ea.	Pcs. Per Box
HKES-516G43	Eye Slip Safety Hook	5/16	G-43	**3,900**	Red	0.6	10
HKEG-38G70	Eye Grab Hook	3/8	G-70	**6,600**	Chromate	0.8	10
HKEG-12G10	Grab Hook, No Lifting	1/2	G-100	**15,000**	Self-Colored	2.4	10
HKEG-38SD-G10	Eye Cradle Grab Hook, No Lifting	3/8	G-100	**8,800**	Gold Chromate	1.1	10
HKE-SLG-38G80	Eye Sling Hook	3/8	G-80	**7,100**	Red	2.28	10
HK-ESW-38G80	Eye Swivel Hook (W/Latch) metric (3.15 Ton)	3/8	G-80	**6,930**	Yellow	2.6	10
HK-ESW-12G80	Eye Swivel Hook (W/Latch) metric (5.3 Ton)	1/2	G-80	**11,660**	Yellow	6.6	10
HKE-SL-38-G8	Eye Self Locking	3/8	G-80	**7,100**	Enamel Yellow	2.4	2
HKE-SL-12-G8	Eye Self Locking	1/2	G-80	**12,000**	Enamel Yellow	6.1	2
PB-4000-516	Pulley Block, Eye Slip Hook (W/Latch)	5/16	G-43	**3,900**	Red	1.6	10



Clevis Sling
G-80



Clevis Grab
G-43



Clevis Grab
G-70



Clevis Grab
G-80



Clevis Grab Spring Lock Latch
G-70



Clevis Slip (w/Latch)
G-70



Clevis Sling Self Locking
G-80

HKC-SLG38-G80	Clevis Sling Hook	3/8	G-80	**6,930**	Enamel Yellow	2.0	10
HKC-SLG12-G80	Clevis Sling Hook	1/2	G-80	**11,880**	Enamel Yellow	4.6	10
HKCG-38G43	Clevis Grab Hook	3/8	G-43	**5,400**	Self Color	1.0	10
HKCG-14G70	Clevis Grab Hook	1/4	G-70	**3,150**	Gold Chromate	0.4	10
HKCG-516G70	Clevis Grab Hook	5/16	G-70	**4,700**	Gold Chromate	0.8	10
HKCG-38G70	Clevis Grab Hook	3/8	G-70	**6,600**	Gold Chromate	1.2	10
HKCG-12G7	Clevis Grab Hook	1/2	G-70	**11,300**	Gold Chromate	1.8	10
HKCG-38G8	Clevis Grab Hook	3/8	G-80	**7,100**	Red	1.8	10
HKCG-12G8	Clevis Grab Hook	1/2	G-80	**12,000**	Red	4.2	10

HKCG-516G7-SL	Clevis Grab Spring Lock w/Safety Latch	5/16	G-70	**4,700**	Gold Chromate	1	10
HKCG-38G7-SL	Clevis Grab Spring Lock w/Safety Latch	3/8	G-70	**6,600**	Gold Chromate	1.3	10
HKCG-12G7-SL	Clevis Grab Spring Lock w/Safety Latch	1/2	G-70	**11,300**	Gold Chromate	2.2	10
HKC-SLIP-516-G7	Clevis Slip Hook (W/Latch)	5/16	G-70	**4,700**	Gold Chromate	0.8	10
HKC-SLIP-38-G7	Clevis Slip Hook (W/Latch)	3/8	G-70	**6,600**	Gold Chromate	1.4	10
HKC-SLIP-12-G7	Clevis Slip Hook (W/Latch)	1/2	G-70	**11,300**	Gold Chromate	3.0	10
HKC-SL-38-G8	Clevis Self Locking	3/8	G-80	**7,100**	Enamel Yellow	2.42	2
HKC-SL-12-G8	Clevis Self Locking	1/2	G-80	**12,000**	Enamel Yellow	4.6	2

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Select Your Hardware

Links & Connectors



Dura-Link G-80



Web Sling Connector G-80



Omega Link G-80



Double Clevis Link G-70



Pear Link G-70



Oblong Link (Not For Overhead Lifting)

Product No.	Description (All Forged)	Size (IN)	Grade	**Work Load Limit (Lb.)**	Product Finish	Weight Ea. (Lb.)	Pcs Per Box
DDL-516 DURA-LINK	Connector Link, Alloy, Load Rated	5/16	G-80	**4,500**	Red	0.4	10
DDL-38 DURA-LINK	Connector Link, Alloy, Load Rated	3/8	G-80	**7,100**	Red	0.8	10
DDL-12 DURA-LINK	Connector Link, Alloy, Load Rated	1/2	G-80	**12,000**	Red	1.4	10
DDL-58 DURA-LINK	Connector Link, Alloy, Load Rated	5/8	G-80	**18,100**	Red	2.4	10
WSC-732-G80	Web Sling Connector, Load Rated	7/32	G-80	**2,500**	Yellow	0.4	10
WSC-516-G80	Web Sling Connector, Load Rated	5/16-1/4	G-80	**4,500**	Yellow	0.7	10
WSC-38-G80	Web Sling Connector, Load Rated	3/8	G-80	**7,100**	Yellow	1.3	10
OMEGA-LINK-516-G8	Chain/Master Link Connector, Alloy, Metric Markings, Load Rated	5/16 (8mm)	G-80	**4,500**	Red	0.23	10
OMEGA-LINK-38-G8	Chain/Master Link Connector, Alloy, Metric Markings, Load Rated	3/8 (10mm)	G-80	**7,100**	Red	0.35	10
OMEGA-LINK-12-G8	Chain/Master Link Connector, Alloy, Metric Markings, Load Rated	1/2 (13mm)	G-80	**12,000**	Red	1.6	10
OMEGA-LINK-58-G8	Chain/Master Link Connector, Alloy, Metric Markings, Load Rated	5/8 (16mm)	G-80	**18,100**	Red	1.3	10
CLEVIS LINK-516-G7	Double Clevis Link (1/4"-5/16")	5/16	G-70	**4,700**	Gold Chromate	0.4	10
CLEVIS LINK-38-G7	Double Clevis Link	3/8	G-70	**6,600**	Gold Chromate	0.6	10
CLEVIS LINK-12-G7	Double Clevis Link	1/2	G-70	**11,300**	Gold Chromate	1.4	10
PEAR LINK-1-F	Formed & Welded 1" x 8" x 4" x 2"	1	G-70	**13,500**	Black	4.6	10
***OBLONG LINK-34-F**	Formed for Welding 3/4" x 3-1/2" x 1-5/8"	3/4	G-70	**7,100**	Black	1.4	10

RC-UNIT



CS-L



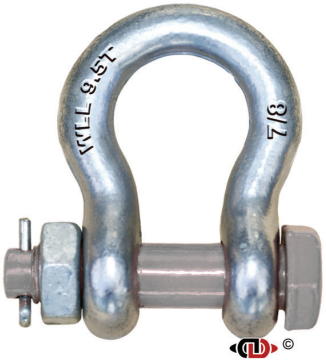
Product No.	Description (All Forged)	Size (IN)	Grade	**Work Load Limit (Lb.)**	Product Finish	Weight Ea. (Lb.)	Pcs Per Box
RC-UNIT	Rubber/Steel Compression-Absorber	2.75 x 8	G-80	**6,600**	Red	4.0	10
CS-L	Steel Compression Spring	3 x 12	G-80	**9,200**	Red	6.6	10

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Select Your Anchor Shackles

See Dimensions Next Page

- ALL Shackles are Type Approved
- Size and Work Load Limit permanently shown on shackle forging
- ALL Shackles Batch Coded for quality traceability with requested certificate
- ALL 100% crack detection during manufacturing
- ALL cycle fatigue rated to 1.5 times Work Load Limit
- ALL forged steel w/alloy pin
- Finish: enamel painted after hot dip galvanizing



Design Factor 5 to 1

D2140

Forged Alloy Steel with Alloy Bolt

D2140

Bolt Type Anchor Shackles - All Forged Alloy

Product Code Number	Nominal Size Inches	**Work Load Limit TONS**	Weight Lbs.	Pcs. Per Box
D2140-1/2	1/2	**3.4**	0.8	20
D2140-5/8	5/8	**5**	1.6	20
D2140-3/4	3/4	**7**	2.4	20
D2140-7/8	7/8	**9.5**	4.0	10
D2140-1	1	**12.5**	5.6	10



Design Factor 6 to 1

D209

Forged Carbon Steel with Alloy Screw Pin

D209

Screw Pin Type Anchor Shackles - Alloy Forged Pin

D209-1/4	1/4	**0.5**	0.12	20
D209-5/16	5/16	**0.75**	0.2	20
D209-3/8	3/8	**1**	0.4	20
D209-1/2	1/2	**2**	0.8	20
D209-5/8	5/8	**3.25**	1.6	20
D209-3/4	3/4	**4.75**	2.2	10
D209-7/8	7/8	**6.5**	3.6	10
D209-1	1	**8.5**	4.8	10
D209-1-1/4	1-1/4	**12**	9.0	6
D209-1-1/2	1-1/2	**17**	17.2	3



Design Factor 5 to 1

D209A

Forged Alloy Steel with Alloy Screw Pin

D209A

Screw Pin Type Anchor Shackles - All Forged Alloy

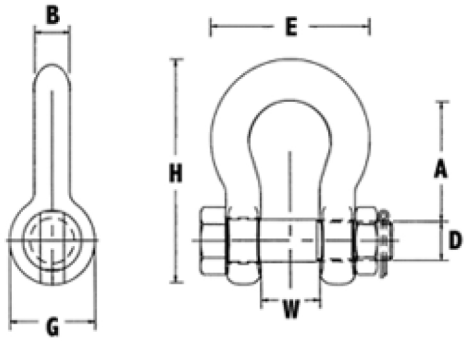
D209A-5/16	5/16	**1.2**	0.2	20
D209A-3/8	3/8	**2**	0.2	20
D209A-7/16	7/16	**2.6**	0.6	20
D209A-1/2	1/2	**3.4**	0.8	20
D209A-5/8	5/8	**5**	1.4	20
D209A-3/4	3/4	**7**	2.2	20
D209A-7/8	7/8	**9.5**	3.6	20
D209A-1	1	**12.5**	5.1	10
D209A-1-1/8	1-1/8	**15**	7.6	6
D209A-1-1/4	1-1/4	**18**	10.8	6

DO NOT Allow Screw Pin Type to be rotated by a live line.

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Anchor Shackles Specifications

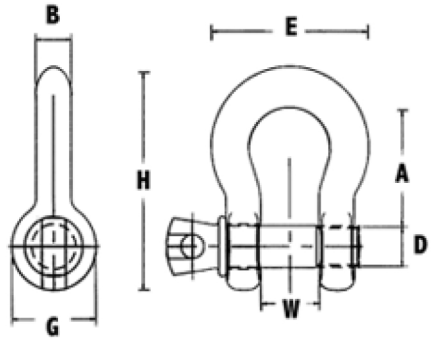
All Measurements are in Inches



Bolt Type Anchor Shackles Meet the Performance of Federal Specification RR-C-271D, Type 4A, Grade B, Class 3.

D2140
Bolt Type

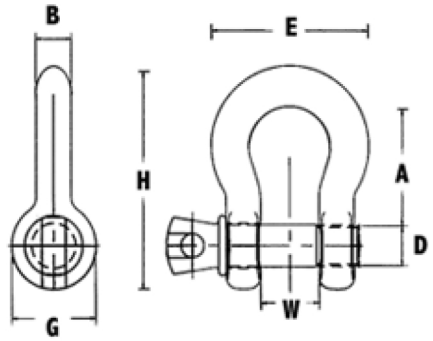
Product No.	A	B	D	E	G	H	W
D2140-1/2	**1.85**	0.52	**0.63**	1.30	**1.18**	3.34	**0.79**
D2140-5/8	**2.4**	0.63	**0.75**	1.77	**1.53**	4.21	**1.06**
D2140-3/4	**2.83**	0.75	**0.87**	1.97	**1.81**	5.04	**1.30**
D2140-7/8	**3.39**	0.87	**1.02**	2.28	**2.09**	5.91	**1.50**
D2140-1	**3.78**	1.02	**1.10**	2.68	**2.36**	6.57	**1.73**



Screw Pin Type Anchor Shackles Meet the Performance of Federal Specification RR-C-271D, Type 4A, Grade B, Class 2.

D209
Screw Pin Type

Product No.	A	B	D	E	G	H	W
D209-1/4	**1.13**	0.25	**0.31**	1.28	**0.61**	1.85	**0.47**
D209-5/16	**1.22**	0.31	**0.37**	0.82	**0.75**	2.13	**0.47**
D209-3/8	**1.42**	0.39	**0.43**	1.02	**0.91**	2.56	**0.63**
D209-1/2	**1.85**	0.52	**0.63**	1.3	**1.18**	3.34	**0.79**
D209-5/8	**2.4**	0.63	**0.75**	1.7	**1.5**	4.17	**1.06**
D209-3/4	**2.83**	0.75	**0.87**	1.96	**1.81**	5.04	**1.3**
D209-7/8	**3.39**	0.87	**1.02**	2.28	**2.08**	5.91	**1.5**
D209-1	**3.78**	1.02	**1.10**	2.68	**2.67**	6.57	**1.73**
D209-1-1/4	**4.69**	1.29	**1.38**	5.75	**3.00**	8.25	**2.03**
D209-1-1/2	**5.75**	1.54	**1.63**	6.88	**3.63**	10	**2.38**



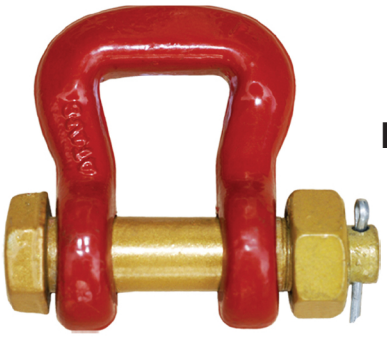
Screw Pin Type Anchor Shackles Meet the Performance of Federal Specification RR-C-271D, Type 4A, Grade B, Class 2.

D209A
Screw Pin Type

Product No.	A	B	D	E	G	H	W
D209A-5/16	**1.22**	0.31	**0.37**	0.83	**0.75**	2.13	**0.47**
D209A-3/8	**1.42**	0.39	**0.43**	1.02	**0.91**	2.56	**0.63**
D209A-7/16	**1.7**	0.43	**0.51**	1.18	**1.06**	2.95	**0.75**
D209A-1/2	**1.85**	0.52	**0.63**	1.3	**1.18**	3.34	**0.79**
D209A-5/8	**2.4**	0.63	**0.75**	1.77	**1.53**	4.21	**1.06**
D209A-3/4	**2.83**	0.75	**0.87**	1.97	**1.81**	4.96	**1.3**
D209A-7/8	**3.39**	0.87	**1.02**	2.28	**2.09**	5.82	**1.5**
D209A-1	**3.78**	1.02	**1.10**	2.68	**2.36**	6.53	**1.73**
D209A-1-1/8	**4.37**	1.10	**1.26**	2.91	**2.68**	7.48	**1.81**
D209A-1-1/4	**4.76**	1.26	**1.42**	3.22	**2.99**	8.26	**2.12**

Select Your Web & RoundSling Shackles

All Forged Alloy



D252
Bolt Type

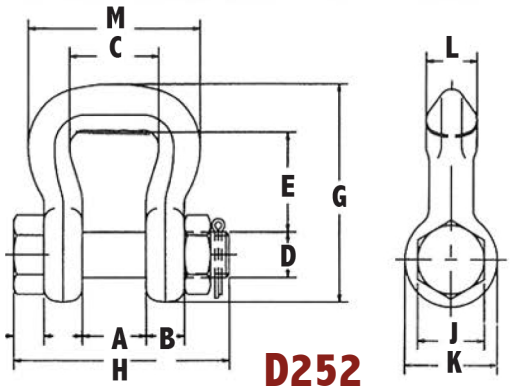


D253
Screw Pin Type

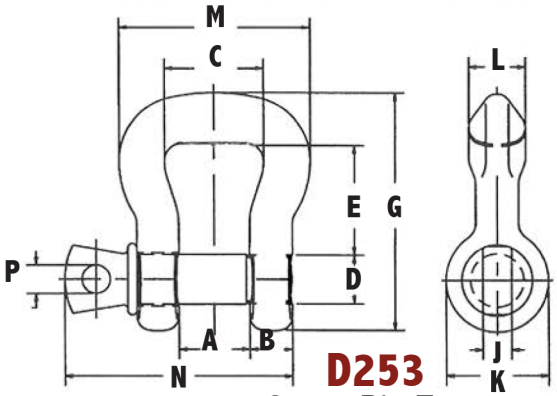
- Shackles Available from 3-1/4 to 35 Ton Capacity
- Design Factor is 5 to 1 / All Alloy Forging
- Shackles Available in Screw Pin and Bolt Type
- Forged Size and WLL / Capacity on each Shackle
- Meets or Exceeds Requirements of ASME B30.26
- Finish: Enamel Painted after Hot Dip Galvanizing

- Increased Body Radius allows for a wider sling bearing surface which results in an increased area for load distribution increasing sling efficiency.
- This enables the slings full WLL / Capacity to be achieved due to better load distribution across the shackle.

D252 Bolt Type Product No.	Weight Each (Lb.)	Web Sling Eye Width (IN)	RoundSling Size No.	D253 Screw Pin Type Product No.	Weight Each (Lb.)	Pcs Per Box
D252-3.25T	1.4	1	1 & 2	**D253-3.25T**	1.2	20
D252-6.5T	2.6	1.5	3 & 4	**D253-6.5T**	2.2	20
D252-8.75T	4.4	2	5 & 6	**D253-8.75T**	4.0	20
D252-12.5T	8	3	7 & 8	**D253-12.5T**	7.8	6
n/a	**n/a**	4	9 & 10	**D253-20.5T**	14.8	4
n/a	**n/a**	5	11 & 12	**D253-35T**	32.0	2



D252
Bolt Type



D253
Screw Pin Type

Shackle Specification Chart - Dimensions

	Work Load Limit Tons	A	B	C	D	E	G	H	J	K	L	M	N	P
See Above For Prod. No.	**3.25T**	0.925	**0.62**	1.33	**0.78**	1.51	**3.38**	3.62	**1.10**	1.51	**0.74**	2.69	**3.14**	0.27
	6.5T	1.25	**0.75**	1.69	**0.86**	1.88	**4.15**	4.21	**1.29**	1.81	**1.0**	3.38	**3.97**	0.31
	8.75T	1.38	**0.87**	2.20	**0.98**	2.79	**5.47**	4.72	**1.37**	2.12	**1.14**	4.21	**4.52**	0.35
	12.5T	1.67	**1.12**	3.22	**1.25**	3.07	**6.37**	6.29	**1.85**	2.59	**1.37**	5.66	**5.82**	0.47
	20.5T	2.15	**1.37**	4.50	**1.49**	5.43	**9.37**			3.12	**1.75**	7.48	**7.08**	0.51
	35T	2.50	**1.73**	5.47	**1.96**	6.41	**11.49**			4.36	**2.32**	9.21	**8.46**	0.70

WARNING - DO NOT EXCEED WORK LOAD LIMIT

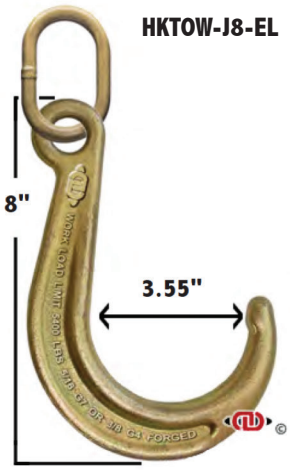
J-Hooks, Straight Safety Chains - G8

Tow & Recovery - Vehicle Recovery Approved





HKTOW-CJ15





TR-G8J15-ML-10
TR-G8J15-ML-15
TR-G8J15-ML-20

Forged 4 to 1 Design Factor

J-Hooks

Product Code Number	Grade	Work Load Limit Lbs.	Length w/ out Links	Complete Finish	Welded Link Size (I.D.) Inches	Hook Design For	Weight Each	Pcs. Per Box
HKTOW-J8-EL	G43-G70	**4,700 - 5,400**	8"	Gold Zinc	0.44 x 2 x 1.12	Sports Car - Tighter Spaces	3.0	4
HKTOW-J15-EL	G43-G70	**4,700 - 5,400**	15"	Gold Zinc	0.44 x 2 x 1.12	Full Size Car, Van, Pick-Ups	4.6	4
HKTOW-CJ15	G80-70 - 3/8	**6,600 - 7,100**	15"	Red Enamel	n/a	Vehicle Recovery Approved	4.6	4

15" J-Hook Assemblies w/ 3/8" G80 Chain, Master Link & Omega Link

Product Code Number	Grade Size	Work Load Limit Lbs.	Chain Length Only (Ft.)	Finish	Description Vehicle Recovery	Weight Each	Pcs. Per Box
TR-G8J15-ML-10	G80-3/8"	**7,100**	10 Feet	Red Enamel & Black Powder Coated	G80 Chain, Omega & Master Link	20.4	1
TR-G8J15-ML-15	G80-3/8"	**7,100**	15 Feet		G80 Chain, Omega & Master Link	27.4	1
TR-G8J15-ML-20	G80-3/8"	**7,100**	20 Feet		G80 Chain, Omega & Master Link	34.4	1

* Assembled using an Omega Link. Optional assembly available using a Dura-Link or Clevis Grab Hook - call for special requirements.

Dura-Link



G-80

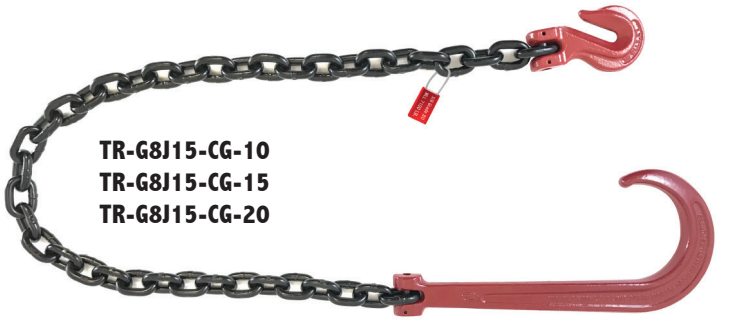
Clev-Lock



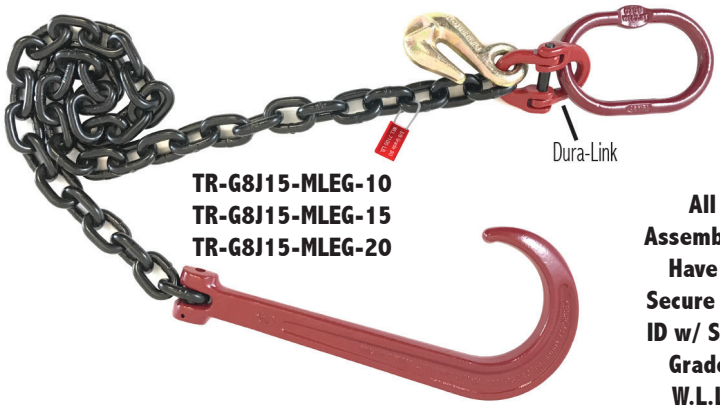
WARNING - DO NOT EXCEED WORK LOAD LIMIT

V-Chains - G8
Straight Safety Chains - G8

Vehicle Recovery & Tow



TR-G8J15-CG-10
TR-G8J15-CG-15
TR-G8J15-CG-20



TR-G8J15-MLEG-10
TR-G8J15-MLEG-15
TR-G8J15-MLEG-20

All Assemblies Have a Secure Tag ID w/ Size, Grade. W.L.L.



TR-G8J15-V CHAIN-4
TR-G8J15-V CHAIN-6
TR-G8J15-V CHAIN-8

15" J-Hook Assemblies w/ 3/8" G80 Chain & Clevis Lock Grab Hook

Product Code Number	Description	Length of Chain Only Feet	**Work Load Limit Lbs.**	Weight Each Lbs.	Pcs. Per Box
TR-G8J15-CG-10	Tow Recovery 3/8 x 10' Chain G8, 15" J-Hook, 3/8" G8 Clevis Grab Hook	10	**7,100**	19.6	1
TR-G8J15-CG-15	Tow Recovery 3/8 x 15' Chain G8, 15" J-Hook, 3/8" G8 Clevis Grab Hook	15	**7,100**	27.1	1
TR-G8J15-CG-20	Tow Recovery 3/8 x 20' Chain G8, 15" J-Hook, 3/8" G8 Clevis Grab Hook	20	**7,100**	34.5	1

15" J-Hook Assemblies w/ 3/8" G80 Chain, Master Link & Eye Cradle Grab Hook

3/8" G80 Dura-Link Connected

Product Code Number	Description	Length of Chain Only Feet	**Work Load Limit Lbs.**	Weight Each Lbs.	Pcs. Per Box
TR-G8J15-MLEG-10	Tow Recovery 3/8 x 10' Chain G8, 15" J-Hook, Master Link, 3/8" G8 Eye Cradle Grab Hook	10	**7,100**	21.7	1
TR-G8J15-MLEG-15	Tow Recovery 3/8 x 15' Chain G8, 15" J-Hook, Master Link, 3/8" G8 Eye Cradle Grab Hook	15	**7,100**	29.1	1
TR-G8J15-MLEG-20	Tow Recovery 3/8 x 20' Chain G8, 15" J-Hook,Master Link, 3/8" G8 Eye Cradle Grab Hook	20	**7,100**	36.4	1

15" J-Hook Assemblies w/ 3/8" G80 Chain, Master Link & Cradle Grab Hooks

3/8" G80 Dura-Link Connected

Product Code Number	Description	Length of Chain Only Feet	**Work Load Limit Lbs.**	Weight Each Lbs.	Pcs. Per Box
TR-G8J15-V CHAIN-4	Tow Recovery 3/8 x 4' Chain G8, Two 15" J-Hooks, Master Link, Two 3/8" G8 Eye Cradle Grab Hooks	4	**7,100**	24	1
TR-G8J15-V CHAIN-6	Tow Recovery 3/8 x 6' Chain G8, Two 15" J-Hooks, Master Link, Two 3/8" G8 Eye Cradle Grab Hooks	6	**7,100**	30	1
TR-G8J15-V CHAIN-8	Tow Recovery 3/8 x 8' Chain G8, Two 15" J-Hooks, Master Link, Two 3/8" G8 Eye Cradle Grab Hooks	8	**7,100**	35	1

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Straight Safety Chains - G7

Vehicle Hauler & Tow

NEW



G7 - 5/16" Chain w/ Grab & TJ Combo Hooks & 15" J Hook on Opposing End

Product No.	Size	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
DBC-516x10-G7-TJG-J15	5/16"x10'	4,700	15.5	2



G7 - 5/16" Chain w/ Grab & TJ Combo Hooks & 8" J Hook on Opposing End

Product No.	Size	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
DBC-516x10-G7-TJG-J8	5/16"x10'	4,700	13.5	2



G7 - 5/16" Chain w/ Grab & TJ Combo Hooks on One End

Product No.	Size	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
DBC-516x8-G7-TJG	5/16"x8'	4,700	9	2



G7 - 5/16" Chain w/ Grab Hook on One End, & R,T, and Mini J Hook on Opposing End

Product No.	Size	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
DBC-516x10-G7-RTMJ-G	5/16"x10'	4,700	15	2



G7 - 5/16" Chain w/ Heavy Duty Latched Sling Hook on One End

Product No.	Size	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
DBC-516x10-G7-SLG	5/16"x10'	4,700	11	2



G7 - 3/8" Grab Hook w/ 3/8" Chain

Product No.	Size	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
DBC-38x6-G7-EGH-1	3/8"x6'	6,600	8.6	2



G7 - 5/16" Chain w/ Heavy Duty Latched Sling Hook, & Grab Hook on Opposing End

Product No.	Size	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
DBC-516x12-G7-SLG-G	5/16"x12'	4,700	13.7	2



G7 - 5/16" RTJG Hooks w/ 5/16" Chain

Product No.	Size	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
DBC-516x6-G7-RTJG-1	5/16"x6'	4,700	7.2	2

V-Chains - G7

Vehicle Transport

NEW

1.



2.



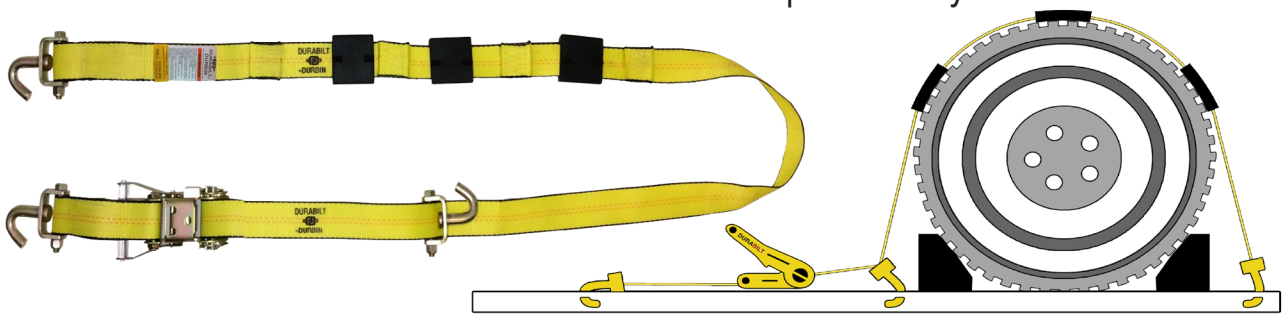
3.



	Product No.	Description	Size	W.L.L. (Lb.)	W.L.L. @ 60° (Lb.)	Weight (Lb.)	Box Qty.
1.	**TG7-RT-MJ-V CHAIN 2**	G7 - 5/16"x2' (ea. Leg) V-Chain w/ RTJ Clusters & Grab Hks at Pear Link	5/16"x2'	**4,700**	**5,400**	12	2
1.	**TG7-RT-MJ-V CHAIN 3**	G7 - 5/16"x3' (ea. Leg) V-Chain w/ RTJ Clusters & Grab Hks at Pear Link	5/16"x3'	**4,700**	**5,400**	14	2
1.	**TG7-RT-MJ-V CHAIN 6**	G7 - 5/16"x6' (ea. Leg) V-Chain w/ RTJ Clusters & Grab Hks at Pear Link	5/16"x6'	**4,700**	**5,400**	16.5	2
2.	**TG7-J8-TJ-V CHAIN 2**	G7 - 5/16"x2' (ea. Leg) V-Chain w/ 8" J Hook & TJ Combo Hks at Pear Link	5/16"x2'	**4,700**	**5,400**	12.1	2
2.	**TG7-J8-TJ-V CHAIN 3**	G7 - 5/16"x3' (ea. Leg) V-Chain w/ 8" J Hook & TJ Combo Hks at Pear Link	5/16"x3'	**4,700**	**5,400**	17	2
3.	**TG7-J15-TJ-V CHAIN 2**	G7 - 5/16"x2' (ea. Leg) V-Chain w/ 15" J Hook & TJ Combo Hks at Pear Link	5/16"x2'	**4,700**	**5,400**	17	2
3.	**TG7-J15-TJ-V CHAIN 3**	G7 - 5/16"x3' (ea. Leg) V-Chain w/ 15" J Hook & TJ Combo Hks at Pear Link	5/16"x3'	**4,700**	**5,400**	19	2

Auto Transport Assemblies

Ratchet Tie-Down Strap Assembly



Product Code Number	Web Width Inches	Length Feet	Work Load Limit Lbs.	Minimum Break Strength	Description	Weight Lbs.	Pcs Per Box
RSV-2-12-W-SJR3	2	12	**3,335**	10,000	Vehicle Ratchet Strap – 2" x 12' w/3 Swivel J-Hooks & 3 Tire Rubber Grips	6.6	2

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Tow & Recovery

Snatch Block & Tie Down Chains

See page 52 for Snatch Blocks

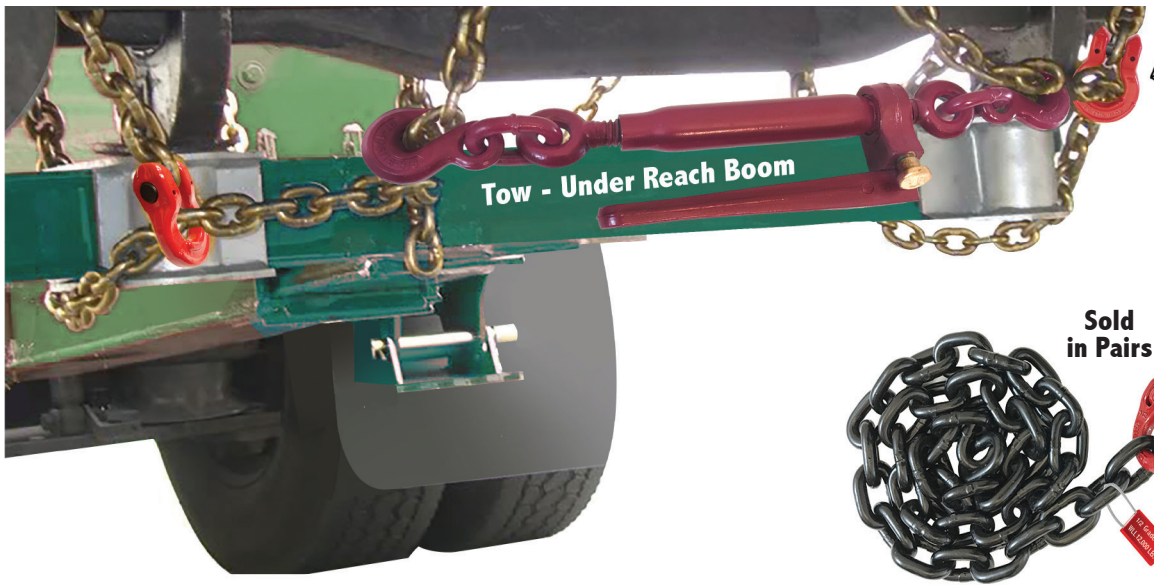


- Used to Change Direction-Angle of Winch Lines to Gain a Mechanical Advantage.
- Allow for Attachment into **T-Slots** or **Wrap Around D-Rings** for Secure Attachment to Auto - Flatbed Carriers.

Snatch Block Chain Ends - w/ SwivelShackle

Product Code Number	Description - Chain Size	Sheave Diameter	Work Load Limit Tons	Fits Rope Size	Weight Each Lbs.	Box Qty.	Hook Size Inches	Link Type
SBCE-516EGH-30-G7	2 Ton Snatch Block w/ 5/16” G7 x 30” Chain Assembly	**3**	**2**	5/16” - 3/8”	8.2	2	5/16	Welded
SBCE-38CGH-30-G10	4 Ton Snatch Block w/ 3/8” G100 x 30” Chain Assembly	**4.5**	**4**	3/8” - 1/2”	19	2	3/8	*
SBCE-516G7R	Replacement Chain 30” w/ G7 5/16” Eye Grab Hk & Link	**n/a**	**2**	n/a	3.4	2	n/a	Welded
SBCE-38G10R	Replacement Chain 30” w/ G10 3/8” Clevis Grab Hk & 3/8” G10 Dura-Link	**n/a**	4	n/a	6	2	n/a	*

* 3/8 Dura-Link ** 3/8 Clevis Cradle Grab



G80 Eye of Omega Link Allows Chain to Pass Through for Axle Securement

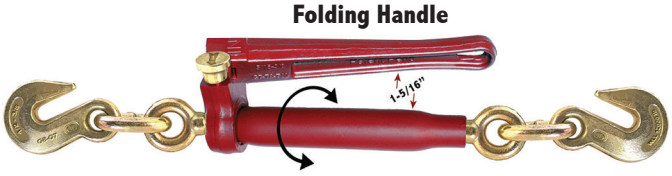
Sold in Pairs

Grade 80 Chain Assembly - Front Axle Tie Downs

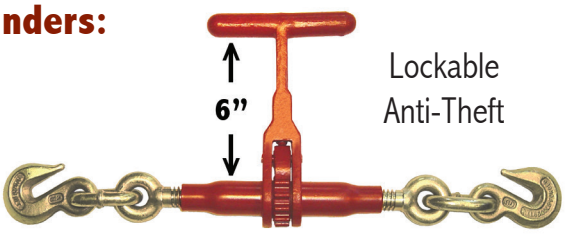
Product Code Number	Description	Chain Length	Work Load Limit Lbs.	Proof Tested Load Limit Lbs.	Weight Each Lbs.	Pcs. Per Box
DBC-38x6-G8-ATD	Grade 80 Assembly w/ 3/8” Chain, Dura-Link, and 1/2” Omega Link	6 Feet	**7,100**	14,200	9.87	2
DBC-12x6-G8-ATD	Grade 80 Assembly w/ 1/2” Chain, Dura-Link, and 5/8” Omega Link	6 Feet	**12,000**	24,000	18.64	2

Complete Your Kit with 1 of the Following Binders:

Folding Handle



DuraFold-DFX (page 5)



LDR-38-T (page 33)

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Snatch Blocks
2 Ton to 15 Ton

See page 51 for Snatch Block Tow & Recovery Assemblies









Features:

- Each Block is Bronze Bushed and has Grease Fittings
- Meets or Exceeds ASME B30.26
- Screw Pin Release for Easy Loading
- All Hand Nuts are fitted w/ "R" Pins for 2ndry Securement
- Alloy Components
- Proof & Ultimate Break Load Tested
- All Shackle Bolts are Fitted w/ Cotter Pins for 2ndry Securement
- Reliable & Rugged
- 4 to 1 Design Factor, Metric Rated
- Hard Coated Enamel



Snatch Blocks - w/ Latched Swivel Hook

	Product No.	Sheave Diameter (IN)	W.L.L. Tons	Fits Rope Size	Weight (Lb.)	Overall Length (IN)	Box Qty	Latch Kit Replacement Product No.	Box Qty
	SBD-H-2T-3S	3	2	5/16 - 3/8	4.8	10	2	SBD-H-2T-3S-LK	1
	SBD-H-4T-4S	4.5	4	3/8 - 1/2	12.4	14	2	SBD-H-4T-4S-LK	1
	SBD-H-8T-6S	6	8	5/8 - 3/4	26.2	19	1	SBD-H-8T-6S-LK	1
	SBD-H-8T-8S	8	8	5/8 - 3/4	34	22	1	SBD-H-8T-8S-LK	1
*	SBD-A-H-15T-8S	8	15	3/4 - 7/8	52.2	23	1	SBD-A-H-15T-8S-LK	1
*	SBD-A-H-15T-10S	10	15	3/4 - 7/8	68.4	25	1	SBD-A-H-15T-10S-LK	1



* Higher Alloy, OS: UPS Restriction - Oversized Rate

Snatch Blocks - w/ Swivel Shackle

Product No.	Sheave Diameter (IN)	W.L.L. Tons	Fits Rope Size	Overall Length (IN)	Weight (Lb.)	Box Qty
SBD-S-2T-3S	3	2	5/16 - 3/8	4.8	9.5	2
SBD-S-4T-4S	4.5	4	3/8 - 1/2	12.2	14	2

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Auto Transport
Hooks, Clusters, Delta Rings and Chain Anchors



*HK-J



HK-T



HK-J-MINI (forged)



HK-R



HK-RTJ



HK-GTJ



HK-TGRB-516-G7



HK-TGRB-38-G8



HK-WOG-G7

Auto Transport Tiedowns

Product Code Number	Description (All Forged)	Work Load Limit Lbs.	Minimum Breaking Strength	Weight Lbs. Ea.	Pcs. Per Box
HK-J	* Formed / Not Forged - J Hook, 1/2" Hole Diameter, 5/16" G43	**4,000**	14,000	0.8	20
HK-T	T Hook 5/16" G70	**4,700**	16,500	0.8	20
HK-J-MINI	J Hook Forged, 5/8 Hole Diameter 5/16" G7 - 3/8" G4	**5,400**	19,000	0.8	20
HK-R	R Hook - G7	**4,700**	25,000	0.5	20
HK-RTJ	R, T, and **Formed** J Hook	**4,000+**	14,000-25,000	2.20	10
HK-GTJ	G, T, **Formed** J Hook, and 3/8" Grab Hook	**4,000+**	14,000-19,000	3.0	10
HK-TGRB-516-G7	Combination, T Hook & 5/16" Grab Hook - G70	**4,700**	16,500	0.8	10
HK-TGRB-38-G8	Combination, T Hook & 3/8" Grab Hook - G80	**7,100**	28,400	1.2	10
HK-WOG-516-G7	Weld-On Hook, 5/16" G70 Self-color	**4,700**	16,500	.46	20
HK-WOG-38-G7	Weld-On Hook, 3/8" G70 Self-color	**6,600**	26,400	0.8	20
HK-WOG-12-G7	Weld-On Hook, 1/2" G70 Self-color	**11,300**	40,000	1.8	20
HK-WOG-58-G7	Weld-On Hook, 5/8" G70 Self-color	**15,800**	55,500	2.5	20



DTR-2



DTR-3
DTR-4



CHAIN ANCHOR

Delta Rings & Chain Anchors

Product Code Number	Description	Work Load Limit Lbs.	Minimum Breaking Strength	Weight Lbs. Ea.	Pcs. Per Box
DTR-2	2 Inch Delta Ring, Stamped	**3,335**	10,000	0.29	150
DTR-3	3 Inch Delta Ring, Forged	**5,400**	18,000	1	40
DTR-4	4 Inch Delta Ring, Forged	**6,600**	19,800	1.5	40
CH-A-18-2-HK	18" G43 Chain w/ 2" Delta Ring & 3/8" Eye Grab Hook	**3,335**	10,000	3	20
CH-A-18-3-HK	18" G43 Chain w/ 3" Delta Ring & 3/8" Eye Grab Hook	**5,400**	16,200	4	20
CH-A-18-4-HK7	18" G70 Chain w/ 4" Delta Ring & 3/8" Eye Grab Hook	**6,600**	19,800	4	20

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Auto Transport
Hooks and Clusters

NEW






Product No.	Description	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
HKEG-516G7X2-PLV	G7 - 5/8" Pear Link w/ two 5/16" Grab Hooks **(W.L.L. @ 60° = 5,400)**	**4,700**	3	10
HKEG-516G7X2-L	G7 - Oblong Link w/ two 5/16" Grab Hooks	**4,700**	2	10
HKE-SLG-516G7-L-L	G7 - Oblong Link w/ 5/16" Heavy Duty Eye Slip Hook w/ Safety Latch	**4,700**	2	10
HKEG-516G7&T-L	G7 - Oblong Link w/ 5/16" Forged T & Grab Hook	**4,700**	2	10





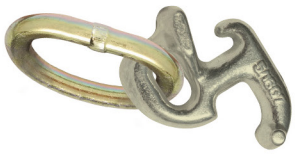
Product No.	Description	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
HKEG-516G7-Jm-L	G7 - Oblong Link w/ 5/16" Forged J & Grab Hook	**4,700**	2	10
HK-RTJm-OB	G7 - Oblong Links w/ 5/16" Forged R, T, and Mini J Hook	**4,700**	3	10
HK-GRTJm	G7 - Oblong Links w/ 5/16" R, T, Mini J, and Grab Hook	**4,700**	4	10





Product No.	Description	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
HK-R(TJ)-OB	G7 - Oblong Links w/ 5/16" R and TJ Combo Hook	**4,700**	3	10
HK-TJm-L	G7 - Oblong Links w/ 5/16" T and Mini J Hook	**4,700**	2	10
HK-(TJ)-L	G7 - Oblong Link w/ 5/16" TJ Combo Hook	**4,700**	2	10





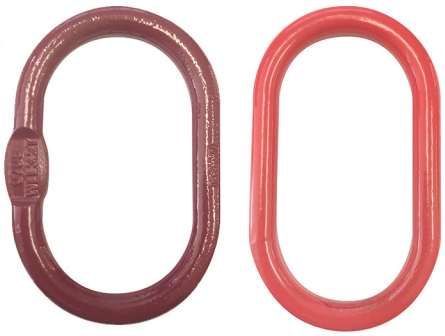
Product No.	Description	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
HK-T-L	G7 - Oblong Link w/ 5/16" T Hook	**4,700**	1	10
HK-Jm-L	G7 - 5/16", G4 - 3/8" - Oblong Link w/ Mini J Hook	**5,400**	1	10
HK-R-L	G7 - Oblong Link w/ 5/16" R Hook	**4,700**	1	10

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Tow Rings, Links, Rig/Winch Hooks

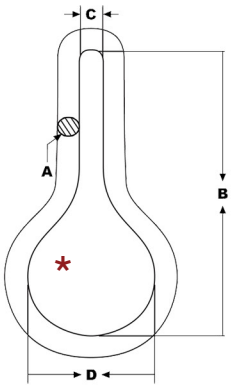
All Forged (Do Not Use for Overhead Lifting)









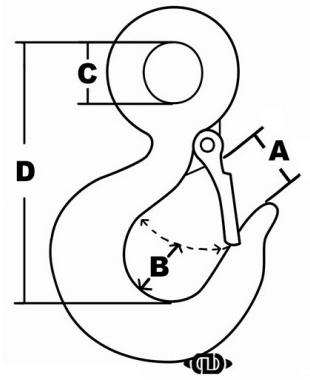


Product No.	Description	W.L.L. (Lb.)	Weight (Lb.)	Box Qty.
OBLONG LINK-516-FG	Oblong Link - 5/16" x 3" x 1.5"	**4,700**	1	20
Ring-RF-58x3	Round Ring - 5/8" x 3"	**3,300**	1	20
MASTER-LINK-3.2T-F-G8	Master Link w/ Flat, I.D. 2.6" x 4.7"	**7,100**	0.97	10
MASTER-LINK-12-7400	Master Link - I.D. 2.49" x 4.95"	**7,400**	0.97	10
Pear Link-38clevis-3.15T	Pear / Clevis Combo Link - 3/8"	**3.15 TON**	1.4	10
Grab Link-34-3.5T	Grab Link - 3/8" - See Dimensions*	**3.5 TON**	2	10

Dimensions (IN)

	A	B	C	D
*	0.75	5.47	0.54	2.32





Eye Alloy Hoist Straight Hooks w/ Safety Latch

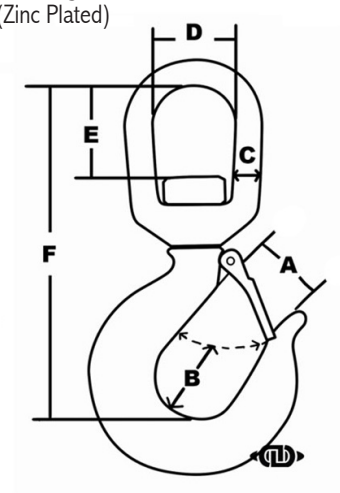
(Zinc Plated)

Product No.	W.L.L. (TON)	Weight (Lb.)	Box Qty.	Dimensions (IN) A	B	C	D
HKES-3T	3	1.7	10	1.12	1.19	1.25	4.69
HKES-4.5T	4.5	3.6	10	1.34	1.38	1.56	5.78
HKES-7T	7	7.08	6	1.69	1.78	2	7.38
HKES-11T	11	13	3	2.06	2.12	2.44	9.06

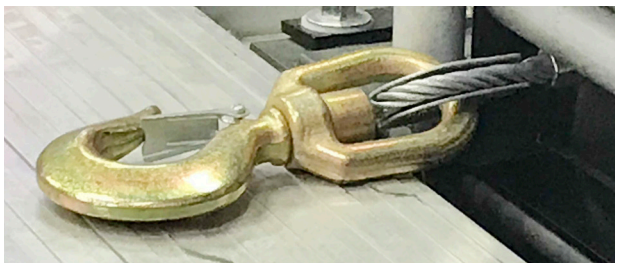
Eye Alloy Hoist Swivel Hooks w/ Safety Latch

(Zinc Plated)





As Assembled On Winch:

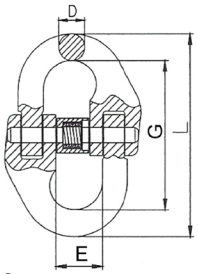


Product No.	W.L.L. (TON)	Weight (Lb.)	Box Qty.	Dimensions (IN) A	B	C	D	E	F
HK-ESW-3.15T	3	2.57	10	1.13	0.81	0.62	1.75	1.56	6.38
HK-ESW-4.5T	4.5	4.75	10	1.34	1.38	0.75	2	1.75	7.4
HK-ESW-7T	7	10.29	4	1.69	1.78	1	2.5	2.3	9.59
HK-ESW-11T	11	16.25	3	2.06	2.13	1.13	2.75	2.38	11.1

G100 Chain, Hooks, Links, Connectors & Sling Hardware

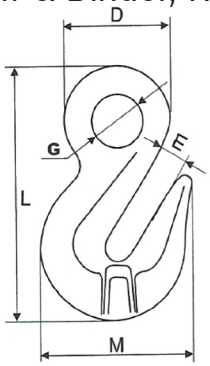
Tow & Binder, Recovery and Lashing





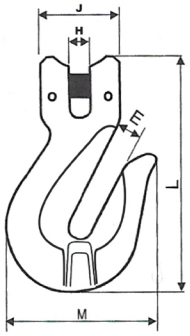
DDL-38-DURA-LINK G10
DDL-12-DURA-LINK G10





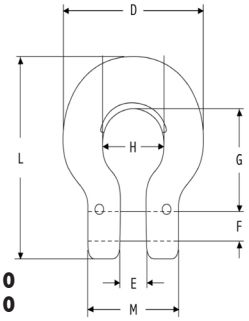
HKEG-38CRD-G10
HKEG-12CRD-G10





HKCG-38CRD-G10
HKCG-12CRD-G10

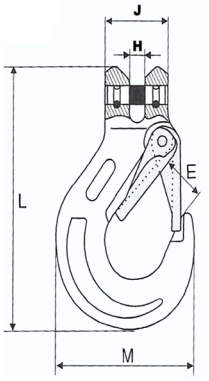




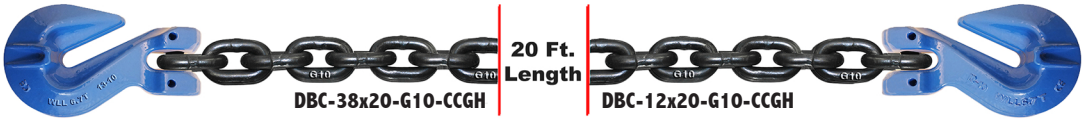
Omega-Link-38-G10
Omega-Link-12-G10



HKC-SLG932-G10
HKC-SLG38-G10
HKC-SLG12-G10







DBC-38x20-G10-CCGH — 20 Ft. Length — DBC-12x20-G10-CCGH

NACM G100 Chain Specs - See Page 14

Nominal Chain Size	Material Diam. in. (mm)	W.L.L. Lbs. (kg.)	Proof Test Min. Lbs. (kg.)	Min. Break Strength Lbs. (kg.)	Inside Width Max of Chain Link in. (mm)	Inside Length Max of Chain Link in. (mm)	Weight Lb./Ft. (kg./m)
3/8	0.394 (10)	8,767 (3,977)	22,031 (9,993)	35,295 (16,010)	0.512 (13)	1.46 (37)	1.48 (2.2)
1/2	0.512 (13)	14,837 (6,730)	37,094 (16,826)	59,574 (27,022)	0.665 (16.9)	1.89 (48.1)	2.55 (3.8)

G100 Products

Product No.	Size (IN - mm)	W.L.L. (Lb.)	Weight Each (Lb.)	Pcs Per Box	M	D	L	E	F	G	H	J
DDL-38-DURA-LINK G10	3/8" - 10	8,800	1.0	6	x	0.5	3.83	0.9	x	2.8	x	x
DDL-12-DURA-LINK G10	12" - 13	15,000	2.53	6	x	0.66	5.0	1.08	x	3.5	x	x
Omega Link-38-G10	3/8" - 10	8,800	0.97	6	2.05	2.75	3.5	0.49	12.3	x	1.22	x
Omega Link-12-G10	12" - 13	15,000	1.95	6	2.56	3.5	4.3	0.63	16.7	x	1.52	x
HKEG-38CRD-G10	3/8" - 10	8,800	1.58	6	1.65	1.9	x	0.53	x	0.86	x	x
HKEG-12CRD-G10	12" - 13	15,000	3.52	6	3.78	2.3	x	0.65	x	1.1	x	x
HKCG-38CRD-G10	3/8" - 10	8,800	1.8	6	2.8	x	4.96	0.53	x	x	0.47	1.81
HKCG-12CRD-G10	12" - 13	15,000	3.85	6	3.78	x	6.4	0.65	x	x	0.59	2.32
HKC-SLG932-G10	9/32" - 8	5,500	1.54	6	3.46	x	5.28	0.98	x	x	1.08	1.46
Avail. 7/1/19 < HKC-SLG38-G10	3/8" -10	8,800	2.87	6	4.15	x	6.36	1.1	x	x	1.32	1.89
< HKC-SLG12-G10	1/2" -13	15,000	5.07	6	5.28	x	8	1.5	x	x	1.65	2.32
DBC-38x20-G10-CCGH	3/8" -10	8,800	33.6	2	x	x	x	x	x	x	x	x
DBC-12x20-G10-CCGH	12" - 13	15,000	56.1	1	x	x	x	x	x	x	x	x

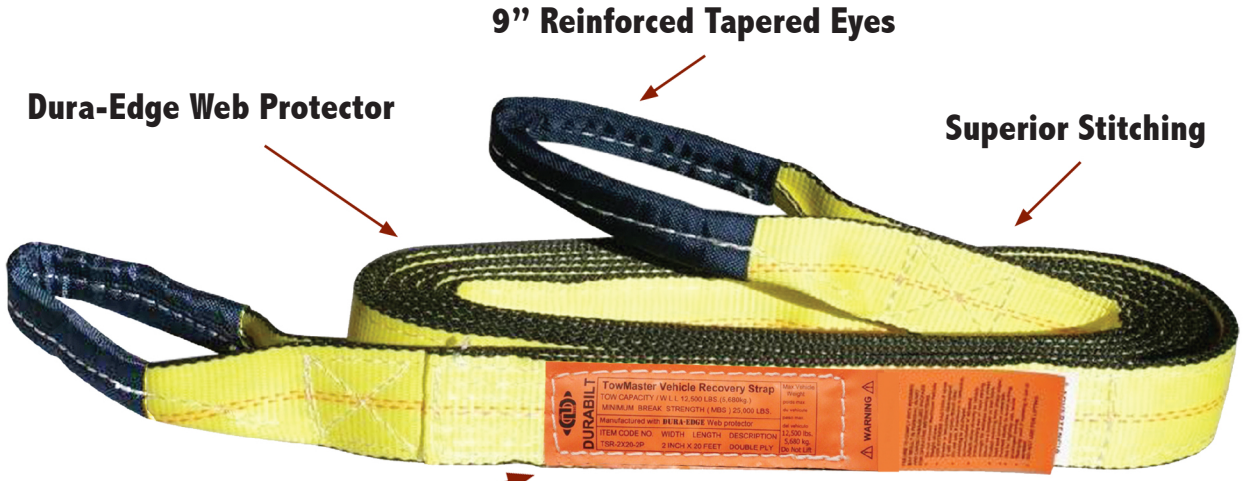
WARNING - DO NOT EXCEED WORK LOAD LIMIT

TowMaster Vehicle Recovery® Tow Straps

Durabilt's TowMaster Recovery Straps® are engineered and designed to have premium pulling power, this is accomplished by using enhanced polyester fibers which have superior elastic properties.

Our Tow and Recovery Straps are further strengthened with built in DURA-EDGE Web Protector which helps reduce accidental cutting and abrasive wear from everyday use.

Features:





- Weather Resistant, Durable, Flexible
- Light in Weight for Versatility
- Shrink Wrapped
- UPC Bar Code

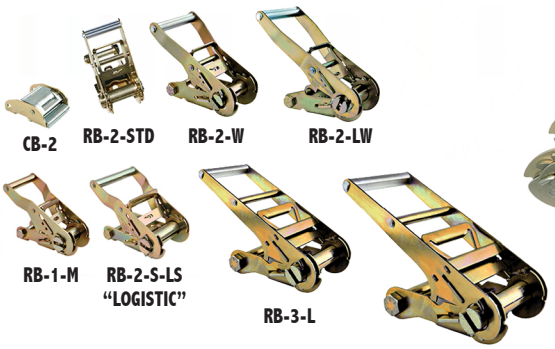


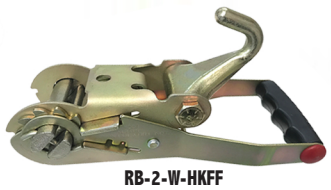
TSR-2X20-2P **TSR-2X30-2P** **TSR-3X25-1P** **TSR-3X30-3P**

TowMaster Product No.	Size	Description	Single Line Tow W.L.L.	Single Line Tow M.B.S.	Double Line Tow W.L.L.	Double Line Tow M.B.S.	Weight Each (Lb.)	Pcs. Per Box
TSR-2X20-2P	2" X 20'	Double-Ply 9" Reinforced Eyes	**12,500 Lb. 5,680 Kg.**	25,000 Lb. 11,360 kg.	**25,000 Lb. 11,360 Kg.**	50,000 Lb. 22,727 Kg.	4.2	6
TSR-2X30-2P	2" X 30'	Double-Ply 9" Reinforced Eyes	**12,500 Lb. 5,680 Kg.**	25,000 Lb. 11,360 kg.	**25,000 Lb. 11,360 Kg.**	50,000 Lb. 22,727 Kg.	6.2	6
TSR-3X25-1P	3" X 25'	Single-Ply 9" Reinforced Eyes	**6,500 Lb. 2,950 Kg.**	13,000 Lb. 5,900 kg.	**13,000 Lb. 5,900 Kg.**	26,000 Lb. 11,818 Kg.	3.4	6
TSR-3X30-3P	3" X 30'	Triple-Ply 9" Reinforced Eyes	**20,000 Lb. 9,100 Kg.**	40,000 Lb. 18,200 kg.	40,000 Lb. 18,200 kg.	80,000 Lb. 36,364 Kg.	10.2	6

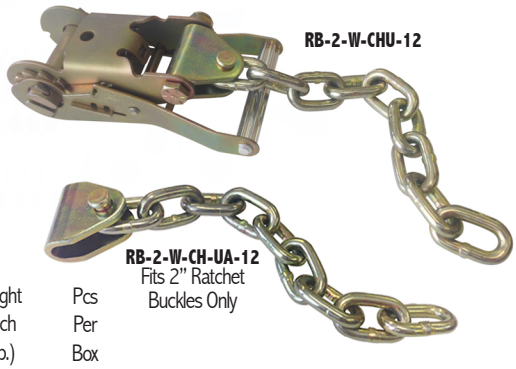
WARNING - DO NOT EXCEED WORK LOAD LIMIT

Ratchet Buckles, Flat Hooks, Wire & Snap Hooks





NEW



Ratchet Buckles

Product No.	Description	Work Load Limit (Lb.)	Proof Tested Load Limit (Lb.)	Weight Each (Lb.)	Pcs Per Box
CB-2	2 Inch - Cam Buckle w/ Spring Action	833	2,500	0.6	100
RB-1-M	1 Inch - Medium Wide Utility Handle	1,466	4,400	0.8	40
RB-2-S-LS	2 Inch - Standard Logistic Strap Handle	1,000	3,000	1.2	40
RB-2-STD	2 Inch - Standard Narrow Handle	3,670	11,000	2.2	20
RB-2-W	2 Inch - Wide Handle	3,670	11,000	2.2	20
RB-2-LW	2 Inch - Long Wide Handle	3,670	11,000	2.2	20
RB-3-L	3 Inch - Long Handle	5,670	17,000	6.8	6
RB-4-L	4 Inch - Long Handle	8,000	24,000	7.8	5
RB-2-W-CHU-12	2 Inch - Wide Handle +12" of 5/16" G7 Chain	3,670	7,340	3.8	10
RB-2-W-CH-UA-12	U-Shaped Adapter +12" of 5/16" G7 Chain	3,670	7,340	1.3	10
RB-2-W-HKFF	Short Wide Ratchet Buckle w/ Forged Finger HK	2,570	7,710	2.90	10

Ratchet Buckles

- Locking mechanism feature w/ release
- Solid steel mandrel
- Longer handle gives greater leverage
- Heavy duty construction
- Gold zinc finish







Flat Hooks

Product No.	Description	Work Load Limit (Lb.)	Proof Tested Load Limit (Lb.)	Weight Each (Lb.)	Pcs Per Box
HK-FH-2-C	2 Inch - Flat Hook w/ Saddle Clip	3,335	10,000	0.6	50
HK-FH-4	4 Inch - Flat Hook	5,400	16,200	1.0	60
HK-FH-4-C	4 Inch - Flat Hook w/ Saddle Clip	5,400	16,200	1.0	60
HK-FH-4-C7	4 Inch - Flat Hook w/ Saddle Clip	6,600	19,800	1.0	50













NEW

Wire & Snap Hooks

Product No.	Description	Work Load Limit (Lb.)	Proof Tested Load Limit (Lb.)	Weight Each (Lb.)	Pcs Per Box
HK-WH-2	2 Inch Wire Hook	3,335	10,000	0.8	10
HK-WH-3	3 Inch Wire Hook	7,333	22,000	1.6	10
HK-SNP-10	2 Inch Snap Hook	3,335	10,000	0.8	10
HK-SNP-6	2 Inch Snap Hook	2,100	6,300	0.4	10
HK-SNP-TWT-10	2 Inch Twisted Snap Hook	3,335	10,000	0.8	10
HK-FF	Forged Finger Hook	2,570	7,710	0.7	10

WARNING - DO NOT EXCEED WORK LOAD LIMIT

DURATEX™ SLINGS

Make Your Recoveries Faster & Easier Then Ever, with Our Wide Selection of Slings

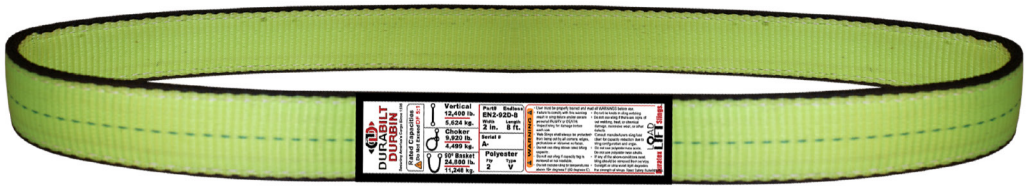
Duratex: The Core Standard of Load Bearing Yarns for Overhead Lifting. All Slings are manufactured to meet or exceed OSHA & WSTDA standards and regulations.

Custom Sizes Available Upon Request

RoundSling -



Endless, Type V -



Eye & Eye, Type IV -



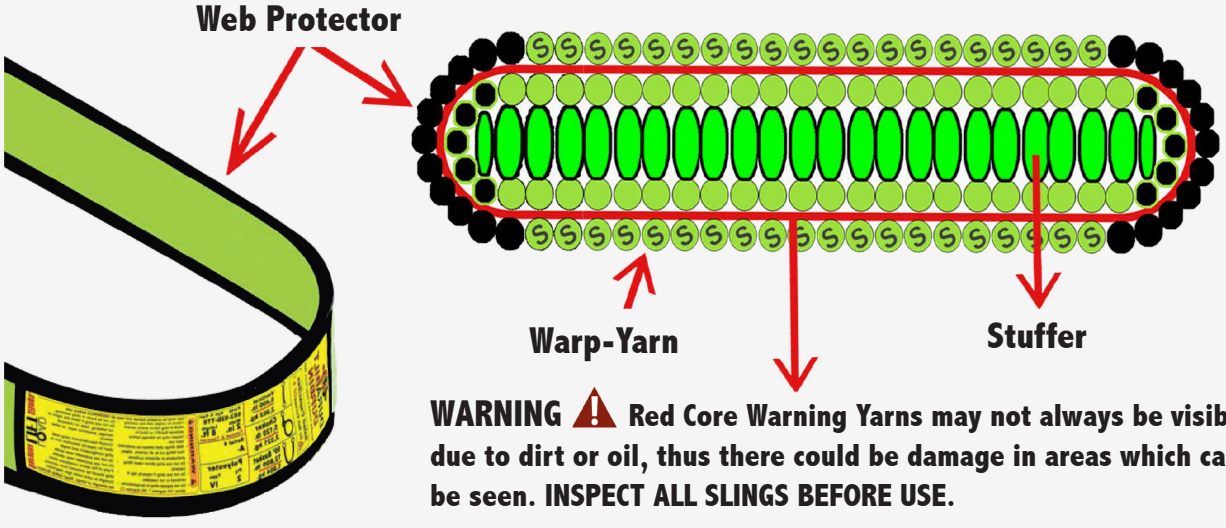
NOTE: ALL DURATEX Slings contain Sewn WARNING Labels & Safety Bulletins Supplied by the WSTDA WebSling & Tie Down Association.

DURA-EDGE™

Dura-Edge Load Lift Sling Cross Section:

Our Web Slings are manufactured with red core warning yarns that become visible when outer layers become worn, indicating to remove slings from service.

ALWAYS use Sling Protection



WARNING Red Core Warning Yarns may not always be visible due to dirt or oil, thus there could be damage in areas which can't be seen. INSPECT ALL SLINGS BEFORE USE.

Order by Part No.

Sling Tags and Product Numbers

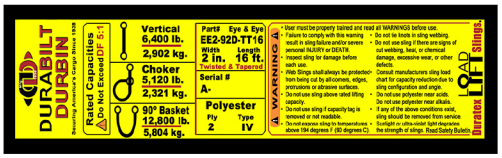
DURATEX LOAD LIFT Slings™

Example Eye & Eye Sling, Product Number:

EE 2 - 9 1 D - T or TT 4

- **Eye & Eye** Type IV
- **Number of Plies** i.e. 1, 2, 3 or 4
- **Web Strength** i.e. 9 = 9,800 Lb.
- **Sling Width** i.e. 1 - 12 (IN)
- **DURATEX** Engineered Polyester
- ***Eye Treatment** (T) Twisted (TT) Twisted & Tapered
- **Sling Length (ft.)** i.e. 4 Foot Bearing to Bearing (See Minimum)



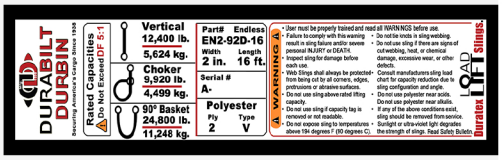


Example Eye & Eye Sling, Product Number:

EN 2 - 9 1 D - 6

- **Endless** Type V
- **Number of Plies** i.e. 1, 2, 3 or 4
- **Web Strength** i.e. 9 = 9,800 Lb.
- **Sling Width** i.e. 1 - 12 (IN)
- **DURATEX** Engineered Polyester
- **Sling Length (ft.)** i.e. 6 Foot Bearing to Bearing (See Minimum)





Example RoundSling, Product Number:

ENR D 3 10

- **RoundSling** Endless
- **DURATEX** Engineered Polyester
- **Designates Rated Capacity** By Color Code and Number
- **Sling Length** i.e. 10 Foot Bearing to Bearing (See Minimum)

ENRD1-
ENRD2-
ENRD3-
ENRD5-
ENRD7-
ENRD9- 11-





WARNING - DO NOT EXCEED WORK LOAD LIMIT

Eye & Eye Slings

TYPE IV, Polyester



Product Code Number	Ply	Web Width Inches	Web Length Feet	Vertical W.L.L. Lbs.	Choker W.L.L. Lbs.	Basket 90° W.L.L. Lbs.	Basket 45° W.L.L. Lbs.	Basket 30° W.L.L. Lbs.	Eye Length Inches	Eye Width Inches	Weight Lbs./Ea.	Pcs Per Box
EE2-91D-T6	2	1	6	**3,200**	**2,560**	**6,400**	**4,524**	**3,200**	10	1.22	1.2	5
EE2-91D-T8	2	1	8	**3,200**	**2,560**	**6,400**	**4,524**	**3,200**	10	1.22	1.4	5
EE2-91D-T10	2	1	10	**3,200**	**2,560**	**6,400**	**4,524**	**3,200**	10	1.22	1.8	5
EE2-92D-TT6	2	2	6	**6,400**	**5,120**	**12,800**	**9,049**	**6,400**	10	1.25	2.0	5
EE2-92D-TT8	2	2	8	**6,400**	**5,120**	**12,800**	**9,049**	**6,400**	10	1.25	2.8	5
EE2-92D-TT10	2	2	10	**6,400**	**5,120**	**12,800**	**9,049**	**6,400**	10	1.25	3.0	5
EE2-92D-TT12	2	2	12	**6,400**	**5,120**	**12,800**	**9,049**	**6,400**	10	1.25	3.6	5
EE2-92D-TT16	2	2	16	**6,400**	**5,120**	**12,800**	**9,049**	**6,400**	10	1.25	4.6	5
EE2-92D-TT20	2	2	20	**6,400**	**5,120**	**12,800**	**9,049**	**6,400**	10	1.25	5.6	5
EE2-92D-TT30	2	2	30	**6,400**	**5,120**	**12,800**	**9,049**	**6,400**	10	1.25	8.4	5
EE2-93D-TT8	2	3	8	**9,300**	**7,440**	**18,600**	**13,149**	**9,300**	12	1.69	3.8	5
EE2-93D-TT10	2	3	10	**9,300**	**7,440**	**18,600**	**13,149**	**9,300**	12	1.69	4.6	5
EE2-93D-TT16	2	3	16	**9,300**	**7,440**	**18,600**	**13,149**	**9,300**	12	1.69	7.2	5
EE2-93D-TT20	2	3	20	**9,300**	**7,440**	**18,600**	**13,149**	**9,300**	12	1.69	8.6	5
EE2-94D-TT6	2	4	6	**11,500**	**9,200**	**23,000**	**16,260**	**11,500**	12	2.20	3.8	5
EE2-94D-TT10	2	4	10	**11,500**	**9,200**	**23,000**	**16,260**	**11,500**	12	2.20	6.2	5
EE2-94D-TT20	2	4	20	**11,500**	**9,200**	**23,000**	**16,260**	**11,500**	12	2.20	11	5

Features

- THE EYE & EYE SLING may be used on all hitches. It is recommended for choker style hitches because of the design
- The contoured TWISTED & TAPERED EYES allow for better fitting in the cradle of the hook (1" is Sewn-Twisted, Not Tapered)
- DURATEX SUPERIOR TENSILE STRENGTH is the core standard of the load bearing yarns
- Tags allow for clear identification of rated capacity, material type, & serial number designed to outlast the life of the sling as required by OSHA
- DURA-EDGE web protecting structure provides optimal abrasion & cut resistance
- FULL- WRAPPED & BUFFERED EYES aid in preventing damage to the sling. This is critical due to heavy loads, enabling a longer life of the sling
- RED CORE WARNING YARNS provide a visual warning to remove slings from service immediately
- DURATEX "VALUE ADDED QUALITY" is built into the longer life of the web slings

⚠ WARNING ⚠

Full Wrapped Eyes • Twisted & Tapered

As the Sling to Load Angle Decreases, So will the rating of the Sling Capacity.

DURA-EDGE™

Web Protector



Note: 1 Inch is Twisted Only

Endless Slings

TYPE V, Polyester

DURATEX LOAD LIFT Slings™

Product Code Number	Ply	Web Width Inches	Web Length Feet	Vertical W.L.L. Lbs.	Choker W.L.L. Lbs.	Basket 90° W.L.L. Lbs.	Basket 60° W.L.L. Lbs.	Basket 45° W.L.L. Lbs.	Basket 30° W.L.L. Lbs.	Weight Lbs./Ea.	Pcs Per Box
EN2-91D-8	2	1	8	**6,200**	**4,960**	**12,400**	**10,738**	**8,766**	**6,200**	2.2	5
EN2-91D-10	2	1	10	**6,200**	**4,960**	**12,400**	**10,738**	**8,766**	**6,200**	2.6	5
EN2-92D-6	2	2	6	**12,400**	**9,920**	**24,800**	**21,452**	**17,484**	**12,400**	3.2	5
EN2-92D-8	2	2	8	**12,400**	**9,920**	**24,800**	**21,452**	**17,484**	**12,400**	4.2	5
EN2-92D-10	2	2	10	**12,400**	**9,920**	**24,800**	**21,452**	**17,484**	**12,400**	5.4	5
EN2-92D-12	2	2	12	**12,400**	**9,920**	**24,800**	**21,452**	**17,484**	**12,400**	6.2	5
EN2-92D-16	2	2	16	**12,400**	**9,920**	**24,800**	**21,452**	**17,484**	**12,400**	8.6	5
EN2-92D-20	2	2	20	**12,400**	**9,920**	**24,800**	**21,452**	**17,484**	**12,400**	10.6	5
EN2-93D-8	2	3	8	**17,600**	**14,080**	**35,200**	**30,448**	**24,816**	**17,600**	6.8	5
EN2-93D-10	2	3	10	**17,600**	**14,080**	**35,200**	**30,448**	**24,816**	**17,600**	8.0	5
EN2-93D-16	2	3	16	**17,600**	**14,080**	**35,200**	**30,448**	**24,816**	**17,600**	12.8	5
EN2-93D-20	2	3	20	**17,600**	**14,080**	**35,200**	**30,448**	**24,816**	**17,600**	15.6	5
EN2-94D-8	2	4	8	**22,000**	**17,600**	**44,000**	**38,060**	**31,020**	**22,000**	8.6	5
EN2-94D-12	2	4	12	**22,000**	**17,600**	**44,000**	**38,060**	**31,020**	**22,000**	12.8	2
EN2-94D-16	2	4	16	**22,000**	**17,600**	**44,000**	**38,060**	**31,020**	**22,000**	16.6	2
EN2-94D-20	2	4	20	**22,000**	**17,600**	**44,000**	**38,060**	**31,020**	**22,000**	20.6	2



Features

- DURATEX ENDLESS TYPE V SLINGS are one of the most versatile & widely used because of their adaptability to countless applications
- HITCH TYPES: Vertical, Choker, & Basket
- DURATEX VALUE ADDED QUALITY weaved into every web sling to produce the Superior Tensile Strength which is the core standard of load bearing yarns
- DESIGN FACTOR (DF) 5 to 1
- DURA-EDGE web protecting structure provides optimal abrasion & cut resistance
- RED CORE WARNING YARNS provide a visual warning to remove slings from service
- SUPERIOR PROTECT ID TAGS allows for clear identification of rated capacity, material type and serial number - trace codes, designed to outlast the life of the slings as required by OSHA
- EXTENDED SLING LIFE is achieved by the rotation of the wear surfaces
- INDIVIDUALLY SHRINK WRAPPED for longer shelf life
- 100% Proof Tested

WARNING - DO NOT EXCEED WORK LOAD LIMIT

RoundSlings

When Ordering - Add the Length from the Bottom Chart (below) to the Product No. from the Top Chart (Below)

i.e. " ENRD1-6"

DURATEX LOAD LIFT Slings™

Product No.	Color Code	Vertical W.L.L. lb.	Choker W.L.L. lb.	Basket 90° W.L.L. lb.	Basket 45° W.L.L. lb.	Min. Length (Ft.)	Approx. Diam. (No Load) (IN)	Min. Length Sling Weight (Lb.)	Pcs Per Box
ENRD1 -	Purple	2,600	2,080	5,200	3,692	4'	1-1/8	0.8	5
ENRD2 -	Green	5,300	4,240	10,600	7,500	4'	1-1/8	1.2	5
ENRD3 -	Yellow	8,400	6,720	16,800	11,900	6'	1-1/2	2.6	5
ENRD5 -	Red	13,200	10,560	26,400	18,700	8'	1-1/2	5.2	5
ENRD7 -	Purple	21,200	16,960	42,400	30,000	8'	2	8.0	2 or 5
ENRD9 -	Orange	31,000	24,800	62,000	43,800	16'	3-1/4	20.6	2 or 3
ENRD11 -	Orange	53,000	42,400	106,000	74,900	10'	3-1/4	29.4	1 or 2

Bearing to Bearing Length (Feet):	4'	6'	8'	10'	12'	16'	20'	Other Lengths Available Upon Request
ENRD1 -	■	■	■					
ENRD2 -	■	■	■	■				
ENRD3 -		■	■	■	■		■	
ENRD5 -			■	■	■		■	
ENRD7 -			■		■		■	
ENRD9 -						■	■	
ENRD11 -				■			■	



Shown w/ Web & RoundSling Shackle D-253

Features

- All RoundSlings are manufactured to WSTDA specs
- Color-Coded for positive sling rated capacity identification
- Double-Wall, woven seamless polyester cover for longer Sling Life
- DESIGN FACTOR (DF) 5 to 1
- Blue / Green Core Spiral Warning Yarns provide positive indication for sling replacement
- Low Elongation (Approx. 3% at rated capacity)
- Resistant to U.V., Mold, Mildew, and Rot
- Soft and Light Weight for easy rigging, handling, and Storage
- No Loss of strength if abrasion occurs
- Easily Conforms to the shape of the load
- Sling Life can be extended by rotating bearing points 340°
- Superior Life-Long ID TAG w/ Serial No. and Rated Capacity in pounds and kilograms

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Red-D-Sleeve, Wear Pads

830.9 states that "Slings in contact with edges, corners, protrusions, or abrasive surfaces shall be protected with a material of sufficient strength, thickness, and construction to prevent damage." Additional and appropriate wear protection is required for all synthetic Web and RoundSlings.

WEB & ROUND Red-D-Sleeve Pads are Polyester. These Sling covers have stitched velcro added liners for quick and easy attachement protection of slings from edges & abrasive damage. They may be relocated any where on the sling as needed.

Sleeves cover both sides of the sling and can be moved on the sling for optimal use where needed.



Eye & Eye and Endless Red-D-Sleeve Pads

Product No.	Sleeve Width x Length (IN)	Use for 2-Ply Web Width (IN)	Thickness (IN)	Box Qty
EE-EN-1PAD-12	3 x 12	1	3/16	10
EE-EN-2PAD-12	4 x 12	2	3/16	10
EE-EN-2PAD-18	4 x 18	2	3/16	10
EE-EN-2PAD-24	4 x 24	2	3/16	10
EE-EN-3PAD-12	5 x 12	3	3/16	10
EE-EN-3PAD-18	5 x 18	3	3/16	10
EE-EN-3PAD-24	5 x 24	3	3/16	10
EE-EN-4PAD-12	6 x 12	4	3/16	10
EE-EN-4PAD-18	6 x 18	4	3/16	10
EE-EN-4PAD-24	6 x 24	4	3/16	10

RoundSling Red-D-Sleeve Pads

Product No.	Sleeve Width x Length (IN)	Use w/ RoundSling ENRD-No.	Thickness (IN)	Box Qty
ENRD-2PAD-12	8 x 12	1,2, or 3	3/16	10
ENRD-2PAD-18	8 x 18	1,2, or 3	3/16	10
ENRD-3PAD-12	8 x 12	1,2, or 3	3/16	10
ENRD-3PAD-18	8 x 18	1,2, or 3	3/16	10
ENRD-5PAD-12	10 x 12	5	3/16	10
ENRD-5PAD-18	10 x 18	5	3/16	10
ENRD-5PAD-24	10 x 24	5	3/16	10
ENRD-7PAD-18	10 x 18	7	3/16	10
ENRD-7PAD-24	10 x 24	7	3/16	10
ENRD-9PAD-18	12 x 18	9 or 11	3/16	10
ENRD-9PAD-24	12 x 24	9 or 11	3/16	10

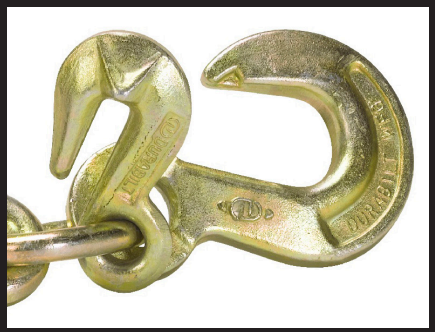
WARNING - DO NOT EXCEED WORK LOAD LIMIT

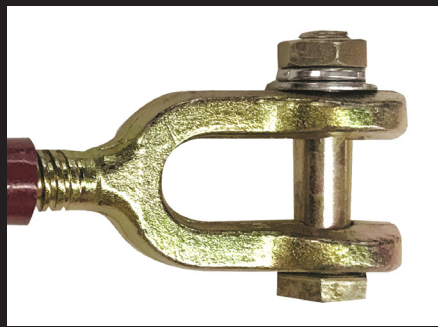
BUILT STRONG.
GUARANTEED TO LAST.



- THE GOLD STANDARD -







Durabiltusa.com

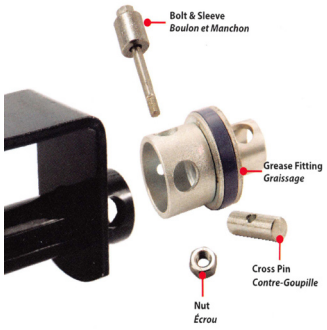
Upcoming Products



Coming Soon!













WIDE LOAD

OVERSIZE LOAD







WARNING - DO NOT EXCEED WORK LOAD LIMIT

NACM WELDED STEEL CHAIN SPECIFICATIONS

1.0 TITLE
1.1 NACM Welded Steel Chain Specifications
2.0 SCOPE
2.1 These specifications cover properties and grades of welded steel chain for industrial and commercial uses produced to accepted commercial tolerances. Special products such as sprocket chain, sprocket wheel chain, etc., are not covered by this specification. For specific applications, the user should consult the manufacturer for recommendations as to size and grade.

Grade 100 Alloy Chain - Premium quality, highest strength alloy chain, heat treated, used in a variety of sling and tie down applications. For overhead lifting applications, only Alloy Chain should be used.

Grade 80 Alloy Chain - Premium quality, high strength alloy chain, heat treated, used in a variety of sling and tie down applications. For overhead lifting applications, only Alloy Chain should be used.

Grade 70 Transport Chain - A high quality, high strength carbon steel chain, heat treated, used for load securement. **Not to be used in overhead lifting.**

Grade 43 High Test Chain - A carbon steel chain widely used in industry, construction, agricultural and lumbering operations. **Not to be used in overhead lifting.**

Grade 30 Proof Coil Chain - General purpose, carbon steel chain. Used in a wide range of applications. **Not to be used in overhead lifting.**

3.0 DEFINITIONS
3.1 Working Load Limit (WLL) - The "Working Load Limit" (rated capacity) is the maximum load that shall be applied in direct tension to an undamaged straight length of chain.
3.2 Proof Test - The "Proof Test" (manufacturing test force) is a term designating the minimum tensile force which has been applied to a chain under a constantly increasing force in direct tension during the manufacturing process. These loads are manufacturing integrity tests and **shall not** be used as criteria for service and design purposes.
3.3 Minimum Breaking Force - The "Minimum Breaking Force" is the minimum force at which the chain during manufacture has been found by testing to break when a constantly increasing force is applied in direct tension. Breaking force values are not guarantees that all chain segments will endure these loads (see Section 5.2). This test is a manufacturer's attribute acceptance test and **shall not** be used as criteria for service and design purposes. **Adopted April 11, 2010**

Grade 70 Transport Chain (NACM 96) - Durabilt Grade 70 Transport Chain is recommended for load binding applications, tie-downs, towing and logging operations. The strength to weight ratio exceeds that of Proof Coil (G30) and High Test (G43) chain. Durabilt G70 Chain is manufactured from carbon steel, then heat treated and zinc plated gold chromate for corrosion resistance. Durabilt G70 Chain is manufactured to NACM standards per specifications of the Department of Transportation (DOT) & CCMTA for tie down and transport use. Our G70 Chain has a 4-to-1 design factor and is embossed with G7 indetification. DO NOT USE FOR OVERHEAD LIFTING. DO NOT EXCEED WORK LOAD LIMIT (WLL).

Grade 80 Alloy Lashing Chain (NACM 96) - Durabilt Grade 80 Alloy Lashing Chain is used in overhead lifting applications as well tie down lashing & towing. G80 Chain is manufactured using special alloy steel which is quenched and tempered before proof testing. Durabilt Grade 80 Chain meets the guidelines of the National Association of Chain Manufacturers (NACM) and ASTM standards. Our G80 Chain has a 4-to-1 design factor as required by the International Standards Organization (ISO). Durabilt G80 Chain is embossed with G8 indetification. APPROVED FOR OVERHEAD LIFTING. DO NOT EXCEED WORK LOAD LIMIT (WLL).

Comparable to NACM G100 Chain (See Page 14)
Design Factor is 4-to-1

Web Sling WARNINGS

The following six points briefly summarize some important safety issues:

1. **All users must be trained** in sling selection, use and inspection, cautions to personnel, environmental effects and rigging practices.
2. **Inspect sling for damage regularly, if the sling is** damaged, remove it from service.
3. **Protect sling from damage. ALWAYS protect slings in** contact with edges, corners, protrusions, abrasive surfaces with materials of sufficient strength, thickness and construction to prevent damage.
4. **Do not exceed a sling's rated capacity.** Always consider the effect of sling angle and tension on the sling's rated capacity.
5. **Do not stand on, under or near a load** with the sling under tension. All personnel should be alert to danger of falling and/or uncontrolled load, sling tension and the potential for snagging.
6. **Maintain and store roundslings properly.** Slings should be protected from mechanical, chemical and environmental damage.

WARNING

Read and follow all use and safety information provided with this sling. Failure to do so may result in severe **INJURY** or **DEATH** due to sling failure and/or loss of load.



The following six points briefly summarize some important safety issues:

1 **All users must be trained** in sling selection, use and inspection, cautions to personnel, environmental effects and rigging practices.

2 **Inspect sling for damage regularly**. A sling shall be removed from service if you see any of the conditions listed on the back of this label. If you have ANY doubts about the condition of a sling, do not use or repair it.

3 **Protect sling from damage.** ALWAYS protect slings in contact with edges, corners, protrusions or abrasive surfaces with materials of sufficient strength, thickness and construction to prevent damage.

4 **Do not exceed a sling's rated capacity**. Always consider the effect of sling angle and tension on the sling's rated capacity.

5 **Do not stand on, under or near a load** with the sling under tension. All personnel should be alert to dangers of falling or uncontrolled loads, sling tension and the potential for snagging.

6 **Maintain and store slings properly**. Slings should be protected from mechanical, chemical and environmental damage.

1 Sling Users Must be Trained

This warning label **DOES NOT** contain all the information you need about sling safety. All sling users must be:

- Trained in sling selection and inspection, hazards to personnel, environmental effects and rigging practices.
- Knowledgeable about the safe and proper use and application of slings.
- Thoroughly familiar with the manufacturer's recommendations and safety materials provided with each product.
- Aware of their responsibilities as outlined in all applicable standards and regulations.

2 Inspect Sling For Damage

The entire web sling must be **inspected before each shift or day in Normal service and before each use in Severe service applications.** It shall be **removed from service** if ANY of the following are detected:

- If sling identification tag is missing or not readable.
- Holes, tears, cuts, snags or embedded materials.
- Broken or worn stitches in the load bearing splices.
- Knots in any part of the sling webbing.
- Acid or alkali burns.
- Melting, charring or weld spatters on any part of the web sling.
- Excessive abrasive wear or crushed webbing.
- Signs of ultraviolet (UV) light degradation.
- Distortion, excessive pitting, corrosion or other damage to fitting(s).
- If provided, exposed red core yarn. However if damage is present and red yarns are not exposed DO NOT USE the sling.
- Any conditions which cause doubt as to the strength of the web sling.

To detect possible damage, perform a visual inspection and also feel along the entire length of the sling. Even damage that looks or feels "minor" can significantly degrade sling performance. If you have ANY doubts about the condition of a sling, **DO NOT USE IT**. Never attempt to repair a damaged sling (e.g., tie knots in the webbing, etc.).

3 Prevent Sling Damage

Synthetic slings can fail if damaged, abused, misused, overused or improperly maintained. Avoid any action that could cause the types of damage listed in the previous section and take steps to prevent sling damage, including:

- **Web slings must ALWAYS be protected from being cut or damaged by corners, edges, protrusions or abrasive surfaces with protection sufficient for the intended purpose.**
- Do not drop or drag slings on the ground, floor or over abrasive surfaces.
- Do not pull slings from under loads when the load is resting on the sling—place blocks under load if feasible.
- Web slings shall not be twisted, shortened, lengthened, tied into knots or joined by knotting.
- Avoid twisting or kinking sling legs.
- Avoid exposing slings to damaging acids or alkalis.
- Never use or allow exposure to temperatures above 194°F (90°C) or below -40°F (-40°C).
- Center sling in the base or "bowl" of a hook to prevent "tip loading."
- Avoid using hooks, shackles or other hardware that have edges or surfaces that could damage sling.
- Do not run/drive over slings with vehicles or other equipment.

4 Use Sling Safely

A competent and qualified sling user must consider all risk factors prior to lifting a load. User must:

- Determine the weight of the load and its center-of-gravity (CG).
- Select a sling and hardware having suitable characteristics for the type, size and weight of the load, the type of hitch and the environment.
- Consult the manufacturer's rated capacity tag and/or other materials to determine the reduction in capacity due to sling configuration and angle.
- Avoid accelerating or decelerating the load too quickly (i.e., "shock loading").
- Control the lift and load to prevent slipping, sliding and/or loss of the load.

Use this sling for lifting loads only.

- NEVER use a sling for towing purposes.
- NEVER use a sling to pull on stuck objects.

5 Be Alert When Lifting Loads

When using slings, all personnel must be alert to potential risks:

- Always stand clear of a lifted load and never be under, on or near a suspended load.
- No part of the body should be placed between the sling and load or between the sling and lifting hook.
- Personnel must be alert to the potential for the sling to become snagged during lifting—never use a web sling to pull on objects in a snagged or constrained condition.

6 Sling Care and Storage

When slings are not in use, they should be stored in a cool, dry and dark location. Slings should also be stored in an area free from environmental or mechanical sources of damage, such as: weld spatter, splinters from grinding/machining, heat sources, UV or chemical exposure, etc.

Slings should be kept clean and free of dirt, grime and foreign materials. Mild soap and water can be used to clean slings, but be sure to let the sling dry completely before placing back in storage or use. Do not machine wash slings. Machine washing results in significant loss of sling strength.

If you want more information about Roundsling safety, contact WSTDA to obtain copies of the Synthetic Roundsling Safety Bulletin — a companion document to this labeling. (Web Sling & Tie Down Safety Bulletins are also available)

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RSWT-1 2010

DURATEX LOAD LIFT Slings™

WARNING DO NOT EXCEED RATED CAPACITY

RoundSling WARNINGS

WARNING

Read and follow all use and safety information provided with this sling. Failure to do so may result in severe **INJURY** or **DEATH** due to sling failure and/or loss of load.



The following six points briefly summarize some important safety issues:

1 **All users must be trained** in sling selection, use and inspection, cautions to personnel, environmental effects and rigging practices.

2 **Inspect sling for damage regularly.** A sling shall be removed from service if you see any of the conditions listed on the back of this label. If you have ANY doubts about the condition of a sling, do not use or repair it.

3 **Protect sling from damage.** ALWAYS protect slings in contact with edges, corners, protrusions or abrasive surfaces with materials of sufficient strength, thickness and construction to prevent damage.

4 **Do not exceed a sling's rated capacity.** Always consider the effect of sling angle and tension on the sling's capacity.

5 **Do not stand on, under or near a load** with the sling under tension. All personnel should be alert to dangers of falling or uncontrolled loads, sling tension and the potential for snagging.

6 **Maintain and store slings properly.** Slings should be protected from mechanical, chemical and environmental damage.

1 Sling Users Must be Trained

This warning label **DOES NOT** contain all the information you need about sling safety. All sling users must be:

- Trained in sling selection and inspection, hazards to personnel, environmental effects and rigging practices.
- Knowledgeable about the safe and proper use and application of slings.
- Thoroughly familiar with the manufacturer's recommendations and safety materials provided with each product.
- Aware of their responsibilities as outlined in all applicable standards and regulations.

2 Inspect Sling For Damage

The entire roundsling must be **inspected before each shift or day in Normal service and before each use in Severe service applications. It shall be removed from service** if ANY of the following are detected:

- If roundsling identification tag is missing or not readable.
- Holes, tears, cuts, embedded materials, excessive abrasive wear or snags that expose the core yarn of the roundsling.
- Broken or damaged core yarn.
- If roundsling has been tied into one or more knots.
- Acid or caustic burns of the roundsling.
- Melting, charring or weld spatter of any part of the roundsling.
- Distortion, excessive pitting, corrosion or other damage to fitting(s).
- Broken or worn stitching in the cover which exposes the core yarn.
- Any conditions which cause doubt as to the strength of the roundsling.

To detect possible damage, perform a visual inspection and also feel along the entire length of the sling.

Even damage that looks or feels "minor" can significantly degrade sling performance. If you have ANY doubts about the condition of a sling, **DO NOT USE IT.** Never attempt to repair a damaged sling (e.g., tie knots in the sling, etc.).

3 Prevent Sling Damage

Synthetic slings can fail if damaged, abused, misused, overused or improperly maintained. Avoid any action that could cause the types of damage listed in the previous section and take steps to prevent sling damage, including:

- **Roundslings must ALWAYS be protected from being cut or damaged by corners, protrusions or from contact with edges that are not smooth or well rounded with materials sufficient for the intended purpose. See Synthetic Roundsling Safety Bulletin (WSTDA-RSSB-1).** Roundslings should be protected from abrasive surfaces.
- Do not drop or drag slings on the ground, floor or over abrasive surfaces.
- Do not pull slings from under loads when the load is resting on the sling—place blocks under load if feasible.
- Roundslings shall not be twisted, shortened, lengthened, tied into knots or joined by knotting.
- Avoid twisting or kinking sling legs.
- Avoid exposing slings to damaging acids or alkalis.
- Never use or allow exposure to temperatures above 194°F (90°C) or below -40°F (-40°C).
- Center sling in the base or "bowl" of a hook to prevent "tip loading."
- Avoid using hooks, shackles or other hardware that have edges or surfaces that could damage sling
- Do not run/drive over slings with vehicles or other equipment.

4 Use Sling Safely

A competent and qualified sling user must consider all risk factors prior to lifting a load. Users must:

- Determine the weight of the load and its center-of-gravity (CG).
- Select a sling and hardware having suitable characteristics for the type, size and weight of the load, the type of hitch and the environment.
- Consult the manufacturer's rated capacity tag and/or other materials to determine the reduction in capacity due to sling configuration and angle.
- Avoid accelerating or decelerating the load too quickly (i.e., "shock loading").
- Control the lift and load to prevent slipping, sliding and/or loss of the load.

Use this sling for lifting loads only.

- NEVER use a sling for towing purposes.
- NEVER use a sling to pull on stuck objects.

5 Be Alert When Lifting Loads

When using slings, all personnel must be alert to potential risks:

- Always stand clear of a lifted load and never be under, on or near a suspended load.
- No part of the body should be placed between the sling and load or between the sling and lifting hook.
- Personnel must be alert to the potential for the sling to become snagged during lifting—never use a roundsling to pull on objects in a snagged or constrained condition.

6 Sling Care and Storage

When slings are not in use, they should be stored in a cool, dry and dark location. Slings should also be stored in an area free from environmental or mechanical sources of damage, such as: weld spatter, splinters from grinding/machining, heat sources, UV or chemical exposure, etc.

Slings should be kept clean and free of dirt, grime and foreign materials. Mild soap and water can be used to clean slings, but be sure to let the sling dry completely before placing back in storage or use. Do not machine wash slings. Machine washing results in significant loss of sling strength.

If you want more information about **Roundsling** safety, contact WSTDA to obtain copies of the **Synthetic Roundsling Safety Bulletin** — a companion document to this labeling. (Web Sling & Tie Down Safety Bulletins are also available)

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RSWT-1 2010

DURATEX LOAD LIFT Slings™

WARNING **DO NOT EXCEED RATED CAPACITY**

Important Information

DISTRIBUTOR AND END USER AWARENESS: READ AND UNDERSTAND ALL IMPORTANT TERMS & WARNINGS BEFORE OPERATION OF ANY DURABILT PRODUCT.

IMPORTANT TERMS

STATIC LOAD – The load resulting from a constantly applied force or load.

WORKING LOAD LIMIT – The maximum mass or force which the product is authorized to support in general service when the pull is applied in-line, unless noted otherwise, with respect to the centerline of the product. This term is used inter-changeably with the following terms:

1. W.L.L. (WORKING LOAD LIMIT) 2. S.W.L. (SAFE WORKING LOAD)

NEVER EXCEED ANY WORKING LOAD LIMIT (W.L.L.) of any DURABILT product, as you will be putting yourself and others at RISK which may result in SERIOUS INJURY or even DEATH.

PROOF LOAD – The average force applied in the performance of a proof test; the average force to which a product may be subjected before deformation occurs.

PROOF TEST – A test applied to a product solely to determine non-conforming material or manufacturing defects.

MINIMUM BREAK LOAD – the maximum load or force applied to the product at which point the product fails to support the load, also known as **MINIMUM BREAKING STRENGTH (MBS).**

SHOCK LOAD – A force that results from the rapid application of a force (such as impacting or jerking) or rapid movement of a static load. A shock load significantly adds to the static load.

DESIGN (SAFETY) FACTOR – Is a term denoting our product's theoretical reserve capability; usually computed by dividing the catalog minimum breaking load by the working load limit. Generally these products have a minimum ratio of 3 to 1.

SPECIAL NOTE: The Durapullers (DP-T2 & DP-T4) have a 2 to 1 ratio between the capacity and the working load limit.

BUSINESS INFORMATION

PRICES/FREIGHT:
Net price schedule is subject to change without notice and orders will be invoiced at prices current at time of shipment. Prices are listed fob our plant, Broadview, IL. Minimum invoice billing for credit extended accounts is $150.00. Shipments of less than $150.00 will be invoiced with the minimum invoice billing value of $150.00. Freight is pre-paid in the continental U.S.A. only when the minimum order in Dollars ($) for your shipping region is reached.

FREIGHT POLICY:
Freight terms: Prepaid and allowed on $1,500.00 in the continental U.S.A. Minimum order is $150.00.

ORDERING:
Please specify the following information so that we may expedite your order correctly:

- Product ordering code (letters and numbers)
- Item description
- Quantity as packaged per carton, per box, per bag, or per drum
- Email orders to: orders@durabiltusa.com

TERMS:
Net thirty (30) days from date of invoice. Past due accounts are subject to 2% per month charge on unpaid balance.

ESTABLISHING NEW ACCOUNT:
Durabilt Dyvex, Inc. requires your bank reference and four trade credit references. Please supply the following for account establishment:

- Trade Reference
- Name/Phone number with area code
- Complete address
- Supplier contact name and account number with phone number.

It is necessary to allow five (5) to seven (7) working days for account establishment.

CANCELLATION OF ORDERS:
Orders for products that are specifically designed for unique applications and not classified as standard product cannot be cancelled. If the order is already in production a fair charge will be invoiced for expenses incurred based on the point of production that the project is in at the time of cancellation. A minimum of 20% of the total order will be charged for all cancelled orders. Cancellations of orders are required in writing. Orders for standard product that are already packed and staged for shipment will be subject to a 20% restocking fee.

ORDER SHORTAGE:
Shortage claims must be made in writing within thirty (30) days from shipping receipt.

RETURNED GOODS:
Written authorization and instructions must be issued prior to the return of merchandise. Without this written authorization returned merchandise will be refused. A handling and restocking charge of 20% plus out-bound and in-bound freight will be applied when necessary on all authorized returns. Requests to return merchandise more than thirty (30) days old must be reviewed on an individual basis. Conditions and terms for the return will be provided at the time of return authorization.

DAMAGED GOODS/ORDER SHORTAGES:
If you receive a shipment that appears to be damaged, shorted, or opened by a third party, it is important that you accept the shipment and indicate "damaged" or indicate problem on the freight bill. Receiving and accepting the shipment without noting the "damage" on the freight bill is the acceptance of the shipment in good condition. When noting that damaged goods were received on the freight bill the customer claim is with the freight company and not with Durabilt Dyvex, Inc. It is the responsibility of the receiver only.

TOLERANCES:
Tolerances on forged parts will be in accordance with tolerance standards published by the Forging Industry Association, unless otherwise requested. All cast pressed or machine parts are per applicable industry standards.

FINISH:
"Self-Colored" refers to natural material color after forging process. "Zinc-plated" is a finish in bright zinc. This may be gold or silver in color. "Galvanized" zinc finish refers to hot-dip or mechanically cold processed heavy coating application. Durabilt Dyvex, Inc. products are shot blasted or "peened" before our standard dark red hard-coat enamel is applied to the surface of most products, except in the case of our Ratchet binders, where a Gold-Zinc plating may be found on the end fittings.

LIMITED WARRANTY
All Durabilt Dyvex, Inc. products are guaranteed against manufacturing defects for a period of one year from invoice date. Claims must be reported promptly to Durabilt Dyvex, Inc., in writing. Specify: type of product, defect, and date of purchase. Any products found to be defective by an authorized representa-tive of Durabilt Dyvex, Inc. will be limited to replacement of product or refund of the original purchase price. Durabilt Dyvex, Inc. will not be responsible for consequential damages and labor charges. This warranty does NOT cover deterioration due to normal wear and tear, defects and damage due to alterations, negligence, and use beyond working load limit. Durabilt Dyvex, Inc.'s total liability in no event shall exceed the original purchase price of the product.

ALL LOAD BINDERS, STRAPS AND TIE-DOWNS:
Before the use of all lever and ratchet load binders please be familiar with State & Federal regulations and requirements. Be certain to use these load binders with the correct size and grade [GRADE 30 (Proof Coil), GRADE 40 (High Test) chain, GRADE 70 (Transport) chain, GRADE 80 (Alloy), GRADE 100 (Alloy), or GRADE 120 (Alloy) chain] as they conform with the National Association of Chain Manufactur-ers (NACM) specifications and Federal specifications RR-C-271-C. Be sure to conform with the U.S. Department of Transportation Motor Carrier Safety regulations, Parts 392-393 (all) and the CVSA vehicle inspection criteria. The minimum breaking strength as shown should only be used for calculating the number of chain tie down assemblies required to secure a load in conformance with D.O.T. Regulations 393, 102 (b). AS A DISTRIBUTOR YOU MUST BE FULLY KNOWLEDGEABLE WITH THE WARNINGS AND INFORMATION IN THE PAGES
OF THIS PRICE LIST PRIOR TO ANY SALE TO YOUR CUSTOMERS AND THEIR CUSTOMERS SO THE END-USER MAY BE AWARE OF THE CORRECT USAGES, WORK LOAD LIMITS AND WARNINGS ASSOCIATED WITH THESE AND ALL OTHER PRODUCTS OF DURABILT DYVEX, INC.

WARNING - DO NOT EXCEED WORK LOAD LIMIT

WARNINGS

ALL LEVER AND RATCHET TYPE LOAD BINDERS

- Read and understand all instructions and warnings before operating this load binder.
- Never exceed WORK LOAD LIMIT (W.L.L. or W.L. LIMIT) as identified on products or in catalog.
- Failure to use these load binders properly may result in property damage, serious injury or death.
- You must be familiar with STATE and FEDERAL regulations regarding the size and grade of chain being used as well as the number of tiedowns required for securing your load.
- It is critical to follow D.O.T. (Department of Transportation) Federal Motor Safety regulations as directed in parts §392.9, §393.7(b), 393.100 and §393.102 through §393.136 (where applicable).
- Move handle with caution – it may whip. (Lever Binders Only). Always keep yourself out of the path of the moving handle. (AGAIN – Keep head and face out of path of handle.)
- Never use handle extenders (cheater pipes). The use of handle extenders may overload the load binder or chain resulting in failure.
- Always load or release lever binder handle in a direct manner – straight line (hook to hook). Never side-load handle. NOTE: Mechanical advantage: Lever Binder 25 to 1, Ratchet Binder 50 to 1 (use as multiple per one pound of force applied.)
- Durabilt will not be responsible for any modification of our products. This will be at the end-users own risk.
- Do not operate load binders while standing on the load. Always operate load binders while standing on the ground with secure footing. Do not operate load binders on slick surfaces.
- Use only the correct size and grade of chain with the proper load binder(s).
- Do Not subject binder or hooks to sharp edges. Hooks are designed to fit chain - Not edges of trailers. Loading should be inline for a straight pull.
- Secure handle in the locked position prior to transport to prevent possible load release due to road vibration or load shifting while in transit. Be sure to check load periodically to assure chain binders are locked tight against load. (see FMCSA regulation §392.9)
- **Lever binder Release:** Note that there is stored energy in the secured chain which will be released through the handle causing it to "kick-back". A steel bar should be placed under the handle for pry-ing or use an opened hand in the same manner but be sure to keep body clear of handle path.
- Always consider the safety of nearby workers as well as yourself when operating a load binder or any other product of Durabilt Dyvex, Inc.
- DO NOT discard these warnings and instructions. Keep them and share them with others who may be using these load binders.

Maintenance:

- Routinely inspect load binders for wear, bending, cracks, gouges and clevis spreading. (Do not use the load binder if any of the above are present.)
- Routinely lubricate pivot and swivel points of lever binders as well as pawl part and screw threads of ratchet binders for reduction of friction and extension of product performance.

ALL WINCH BINDERS/WINCH BARS WARNING: remember that ALL strap assemblies or tie-down systems (i.e. winch binder) are only as strong as their weakest components including the point and method of attachment. Working Load requirements should be evaluated by the user before selecting appropriate hardware and strap assemblies. All worn products should be replaced immediately.

IMPORTANT: The WORKING LOAD LIMIT (WLL) of these winch binders, if properly installed, is 5,000 pounds (LB).

WARNING: When tightening or loosening winches, always be sure to maintain a firm grip on the winch bar. NEVER release a winch bar without checking the pawl to ensure that it is fully engaged between the ratchet teeth. If you release the winch bar without the pawl being properly engaged, you could cause serious injury to yourself or to bystanders. Use only those winch bars designed and marketed to use for these winch binders. Never use winch bars as "Cheater Bars" or "Handle Extenders" for lever or ratchet type binders. You should stay clear of the winch bar handle during its operation. During adverse weather conditions, these bars may tend to slip. Be sure to maintain good footing and hold bars firmly. The tip of the winch bar should be fully inserted through the front and back hole of the winch binder to prevent the winch bar from slipping out or over the winch bar tip. Winches should not be loaded in excess of their Working Load Limit (WLL) or their components. (WLL) Winches should never be used as lifting or pulling devices.

INSTALLATION WARNING: The webbing should be inserted through the slot of the mandrel and a minimum of 12" webbing shall be inserted through the slot and a minimum of two (2) complete wraps of webbing should be placed around the winch mandrel. CAUTION: excessive wraps of webbing around the mandrel will reduce the Working Load Limit, WLL) of the winch.

PORTABLE WINCH WARNINGS: Set screws on portable winch binders are designed to position the winch while the tie-down assembly is being tightened. The screws (2 each) should be snug-tight only. Over tight-ening of screws will cause the bracket-frame to bend and will weaken the winch causing failure which may result in injury. Portable winches shall be removed when not in use.

HOISTING WHEELS – PULLEY BLOCKS:

- A potential risk may occur when lifting or dragging loads with pulley block assemblies.
- Failure to use pulley block systems properly will cause load to slip or fail. The result may be serious injury or death.
- Instruct workers to stay alert and to wear correct safety gear in areas where loads are moved or supported with pulley block systems.
- Do not use these products for overhead lifting.
- Do not side load pulley blocks.
- Do not exceed working load limit.
- Tackle block systems should be rigged by a qualified person as defined by ANSI/ASME B.30.

DURAPULLER T2, T4, & T8:

- Do not exceed Working Load Limit.
- Do not pull cable across any other surface.
- Do not use this product as a choker.
- Do not use product as tow line or load binder.
- Do not support human cargo with this product.
- Do not fail to check product for damaged or worn parts before each use, if necessary, replace.
- Do not use product if cable wire is rusted or kinked.
- See advising Working Load Limit (W.L.L)

WARNING - DO NOT EXCEED WORK LOAD LIMIT

WARNINGS: WEBBING TIE-DOWN STRAPS / LOGISTIC STRAPS

Webbing straps must be protected when used across rough or sharp objects. All strap assemblies require inspection each time they are used. Straps that are cut, worn or otherwise damaged should not be used. **Strap assemblies should never be tied into knots or allowed to become knotted. All straps are load control devices and should not be used for overhead lifting.** Working load requirements should be evaluated by the user before selecting appropriate hardware & strap assemblies. **All strap and binder assemblies or systems are only as strong as the weakest component, including the point of attachment. For other product warnings please see below and warnings on product labels.**

All Durabilt ratchet and winch straps have sewn on labels to meet CHP Standards, CVSA Guidelines, North American Cargo Securement Standards, DOT Regulations, and WSTDA recommended standards. It is critical to follow D.O.T. (Department of Transportation) Federal Motor Safety Regulations as directed in parts §392.9, §393.7(b), §393.100 and §393.102 through §393.136 (where applicable).

Note: Please be aware of all current updates through 2010 and beyond.
Per required guidelines all Durabilt tie-down strap labels have the following:
1) Manufactures Identification 2) Working Load Limit (WLL) in pounds and kilograms 3) Product Warnings

The following information is as prescribed by the Web Sling and Tie-Down Association, Inc. 1991 and revised 1998.

WARNING

Failure to comply with warning may result in personal injury or death.

Inspection, Care & use of Synthetic Web Tiedowns

Removal From Service

A tiedown shall be removed from service if any of the following are visible.

1. Holes, tears, cuts, snags or embedded particles in the webbing.
2. Broken or worn stitching in load bearing static patterns.
3. Excessive abrasive wear of the webbing.
4. Knots in any part of the webbing.
5. Distortion, excessive pitting, corrosion or damage of any fitting or component.
6. Melting, charring, or weld spatter on any part of the webbing.
7. Chemical burns.
8. Any conditions which cause doubt as to the strength of the tiedown.

Operating Practices

1. Determine weight of the cargo to be secured, including expected Gravity "G" forces.
2. Consideration shall be given to the angle from the vertical (cargo tiedown to load angle) which reduces Working Load Limit.
3. Select Tiedown having suitable characteristics for the type of load and environment.
4. Tiedown shall not be loaded in excess of the Working Load Limit (W.L.L.)*
5. Tiedown shall be attached to provide control of the load and positioned in accordance with applicable regulations.
6. Tiedown shall not be dragged on the floor, ground, or over an abrasive surface.
7. Tiedown shall not be tied into knots, or joined by knotting.
8. Tiedown shall not be pulled from under loads if the load is resting on the tiedown.
9. Tiedown shall always be protected from being cut by sharp corners, sharp edges, protrusions or abrasive surfaces.
10. Tiedown equipped with metal fitting shall not be dropped.
11. The opening in fittings must be the proper shape and size to insure that the fitting will seat properly in the anchorage point or other attachments. If the anchor point is inadequate to support the force of the tiedown system then the load rating of the tiedown shall be limited to the strength of the anchor point.
12. Tiedown shall not be used for lifting. Lifting includes raising, lowering and suspending.

***Working Load Limit (WLL) is 1/3 of the tiedown breaking strength.**

Environmental Considerations

1. Tiedowns should be stored in a cool, dry and dark place, and shall not be exposed to sunlight when not in use. Ultra-violet light will affect the strength of the synthetic webbing in varying degrees ranging from slight to total degradation.
2. Chemically active environments can affect the strength of tiedowns in varying degrees ranging from little to total degradation. The tiedown manufacturer or qualified person should be consulted before tiedowns are used or stored in chemically active environments.
3. Tiedowns incorporating aluminum fitting(s) shall not be used where fumes, vapors, sprays, mists or liquids of alkalis and/or acids are present.
4. Webbing shall not be used at temperatures in excess of 194 degrees F (90 degrees C) or below -40 degrees F (-40 degrees C).

Inspection

A. Initial Inspection

Before any tiedown is placed in service it shall be inspected by a designated person to ensure that the correct tiedown is being used as well as to determine that the tiedown meets the requirements.

B. Frequent Inspection

This inspection shall be made by a qualified person handling the tiedown each time it is used.

C. Periodic Inspection

This inspection shall be conducted by designated personnel. Frequency of inspection should be based on:

1. Frequency of use
2. Severity of service conditions
3. Experience gained on the service life of tiedowns used in similar applications
4. Inspection should be conducted at least monthly

D. Repair of Tiedown

No repairs of webbing, fittings, or stitching shall be permitted.

WEB SLING & TIE DOWN ASSOCIATION ™

Additional requirements and safe operating practices are outlined in current Federal, State, Provincial, CVSA Guidelines and/or other regulations as applicable.

WARNINGS: WELDED CHAIN

CAUTIONS & INSPECTION

DURABILT CHAIN & RELATED PRODUCTS...are designed and built for long service. As with any product certain cautions and standards of treatment should be followed. Proper care will always extend the useful life of the product.

INSTRUCTIONS REGARDING ATTACHMENTS AND FITTINGS

Components, such as hooks or shackles, should have at least the same working load limit (rated capacity) as the chain with which they are used. If not, the assembly shall be rated to the capacity of the weakest attachment.

WARNINGS AND CAUTIONS FOR DISTRIBUTORS & USERS

- The use of chain is subject to certain hazards that cannot be met by mechanical or manufacturing means, but only by the exercise of understanding, care, and common sense.
- Do not exceed working load limit of the chain or attachment.
- Chemical environments may adversely affect chain and components. Do not use in highly acidic environments.
- High and low temperatures will effect chain and components if subjected to temperatures below -20°F (-29°C) or above 400°F (200°C).
- Chains used in certain applications are subject to governmental regulations. Please follow all Federal, State, and/or Local Department of Transportation, OSHA, or other applicable standards and regulations when using DURABILT products.
- Never directly weld or repair chain.
- Read "Inspection and Proper Use" sections.

INSPECTION BY USER

- Regular inspections should be conducted on chain to determine damage or deterioration from use. The chain should be inspected for any of the warning signs below. If present, the chain should immediately be removed from service.
- Cracks in the chain or any attachment.
- Excessive nicks, gouges, or wear.
- Attachment components should be removed from service if any dimension is worn by more than 10% from the original dimension.
- Stretched, bent, twisted, or distorted chain links or components.
- Excessive corrosion
- Evidence of damage due to heat.
- Evidence of field welding or weld splatter.
- Any other condition which defects the strength of the chain.

PROPER USE BY USER

- To protect the users and to prevent damage to chain, the following safe practices should be followed:
- Select a chain suitable for the application and environment.
- The hooks and other components should be of a size to fit the intended connections.
- Avoid shock load.
- Cover or pad all sharp edges or corners in contact with the chain.
- Assemble so that the load is properly seated in the hooks or other components.
- Avoid tip loading of hooks and side loading of chain and components.
- Avoid twisting or kinking the chain.
- Never load or use a knotted chain.

DISTRIBUTORS & USER NOTE:

All "Warnings and Cautions" apply to chain as well as all components and fittings. Purchasers are responsible for conveying the "Warnings and Cautions", including the "Inspection" and "Proper Use" Section information to the end user.

All DURABILT proof tested chain and components are proof tested in accordance with the applicable ASTM, NACM and ANSI/ASME requirements.

WARNINGS:

DURALIFT™ DLH-LEVER HOIST & DCH-CHAIN HOIST READ TO REDUCE THE RISK OF SERIOUS INJURY OR POSSIBLE DEATH. IMPROPER INSTALLATION & OPERATION OF HOIST HAS THE POTENTIAL TO CREATE HAZARDOUS RESULTS. BEFORE USE, OPERATOR MUST READ AND UNDERSTAND THE OPERATORS MANUAL.

- Do Not lift more than the indicated capacity as stated on the metal label on the handle or block. Rated capacity on handle or block must match rated capacity on hook.
- Do Not lift people or loads over people.
- Do Not use hoist load-chain as a sling or choker.
- Do Not operate with handle or chain extension. Operate by hand power only (never motorize).
- Do Not operate a malfunctioning hoist.
- Do Not use hoist with kinked, twisted, worn, or damaged load chain.
- Do Not load hoist unless load chain is properly engaged in chain sprocket(s).
- Do Not hang loads from free end of load chain.
- Do Not remove or obscure metal warning label on handle or block.
- Do Not load hoist if hook(s) has bent shank, or damage from cracks or chemicals, or hook has more than a 10% twist from plane of unbent hook. (Replace damaged hook.)
- Do Not use in adverse environmental conditions.
- Replace damaged hook latch when needed. Lubricate load chain but not to excess.
- Always keep and maintain safe footing when operating.

LEVER TYPE ONLY:

- Do not exceed pull on lever as stated on metal label of handle.
- Do not attempt to "free chain" hoist while load is applied.
- Adjustment of the load wheel will allow the load to release and may result in injury. Never release or disengage the brake with a load on the hoist. (Do not turn load wheel counter clockwise with a load on the hoist).

SPECIAL WARNING NOTE: The DURALIFT Hoists are not to be used with materials which may explode, be highly corrosive or be highly toxic. These uses require fail-safe support equipment which is not supplied with these hoists.

- Never perform maintenance on hoist when supporting load.
- Never modify or alter this equipment.
- Always use DURALIFT replacement parts or DURABILT approved part replacements (see part list: "exploded view" and corresponding part number).
- Keep hands clear from housing/body of hoist.
- Do not "side load" when lifting or pulling. Hoist must be centered under top hook for "straight in-line loading".
- Use only alloy chain and attachments for overhead lifting.
- Do not use these hoists to lift personnel or loads over people.
- Be sure personnel keep clear of supported load.
- The hoist block must never come into contact with the load or support members.

NOTICE

ALL LEVER HOISTS:

Read ANSI/ASME B30.21 and ANSI/ASME B30.10.

ALL CHAIN HOISTS:

Read ANSI/ASME B30.16 and ANSI/ASME B30.10.

Read the hoist manufacturer's Operating and Maintenance instructions.

Read all labels attached to equipment.

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SHACKLE WARNINGS & Limitations of Use

DISENGAGEMENT OF LOAD CAN CAUSE DEATH OR INJURY. DISENGAGEMENT RESULTS FROM DAMAGE, MISUSE, AND EXCESSIVE WEAR.

DO NOT use a shackle without training.
ALWAYS Ask your employer for Shackle Safety use instructions.
ALWAYS comply with applicable Federal and local regulations.
ALWAYS know shackle load.
Do Not use a shackle without a legible product identifier.
Do Not ride on shackle or load.
Do Not overload a shackle.
Do Not rig a shackle to a load improperly.
Do Not use a damaged or worn-out shackle.
Do Not use a shackle in extreme temperatures.
Do Not use a shackle in acidic conditions.

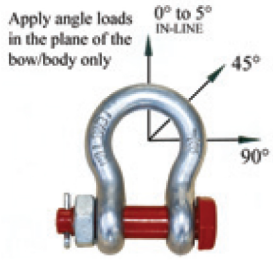
Do Not use a shackle without training. OSHA regulation requires responsible work practice. (SHA1926.20) & (ASME830.26-2004)

Always inform yourself. Ask your employer for shackle safe use instruction. OSHA1926.2.1

Shackle requirements depends on application. Always comply with applicable Federal and local regulations…Federal and local regulations govern worksite activity. Contact OSHA 800-321-6742

Understand all governing laws and safety standards before use of shackles. Always know shackle load.

"Fittings shall be…of a minimum breaking strength equal to that of the sling..." - OSHA 1910.184(i)(3)(i). Maximum lift system load applied to shackle must be known for proper shackle selection.



Side Loading Reduction Chart For Screw Pin and Bolt Type Shackles Only	
Angle of Side Load from In-Line Vertical of Shackle	Reduction of Working Load Limit
0° to 5° In-Line *	100% of Rated WLL
45° from In-Line *	70% of Rated WLL
90° from In-Line *	50% of Rated WLL

*In-Line load is applied perpendicular to pin.
WARNING: DO NOT SIDE LOAD ROUND PIN SHACKLE
DO NOT SIDE LOAD OVER 90° DEGREES

Do Not use a shackle without legible product identification.

Identification is required to insure proper application.

Shackle identification should be maintained by the user so as to be legible throughout the life of the shackle ."-ASME B26-1.5.3

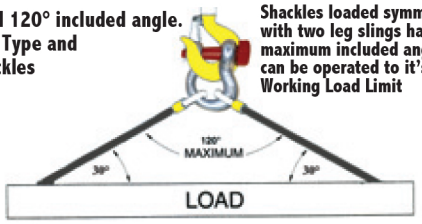
Do Not ride on shackle or load.

Sling use regulation requires: "All employees shall be kept clear of loads about to lifted and of suspended loads" - OSHA 1910.184(c)(9). SEE ASME 830.26-1.9.2(a)

Do Not overload a shackle. Understand working load limits. Required strength depends on application. The rated load (WLL) of the shackle shall not be exceeded - ASMEB30.26-1.9.1(b). If the shackle is to be side-loaded then the rated load shall be reduced in accordance with figure.

DO NOT Exceed 120° included angle. Only user Bolt Type and Screw Pin Shackles

Shackles loaded symmetrically with two leg slings having a maximum included angle of 120° can be operated to it's full Working Load Limit



Do Not rig a shackle to a load improperly.

To avoid dropped loads and shackle damage. Avoid side loading shack-le when possible. The screw pin shall be fully engaged, with the shoul-der in contact with the shackle body. The screw pin shackle shall not be rigged in a manner that would cause the pin to unscrew.

Do Not use a damaged or worn out shackle.

A visual inspection of the shackle shall be performed by a designated person each day before the shackle is used. A complete periodic inspection shall be performed by a designated person as prescribed in ASME B30.26-1.8.3

Shackles should be removed from service if damage such as the following is visible;

- missing or illegible manufacturer's name or rated load.
- indications of heat damage, weld spatter or arc strikes.
- excessive pitting or corrosion.
- bent, twisted, distorted, stretched, elongated, cracked, or broken load bearing components.
- excessive nicks or gouges.
- a 5% reduction of the original or catalog dimension at any point around the body or pin.
- incomplete pin engagement
- excessive thread damage
- evidence of unauthorized welding

The return to service should only be approved by a qualified person.

Do Not use a shackle in extreme temperatures.

WLL shall be reduced in accordance with the following chart when heated between 400°F and 750°F and should be permanently removed from service if heated above 750°F.

Shackle Temperature	Reduced Percentage of WLL	
	During Exposure	After Exposure
-40° F to 400° F	100%	100%
> 400° F to 600° F	90%	90%
> 600° F to 750° F	75%	75%

Do Not use a shackle in alkaline or acidic conditions.

Lifting shackles shall not be used in alkaline or acidic conditions. Resulting metal embrittlement and accelerated corrosion can cause sudden failure.

WARNING - DO NOT EXCEED WORK LOAD LIMIT

Snatch Block: Use - Maintenance - Warnings

TACKLE BLOCK WARNING, USE & MAINTENANCE INFORMATION

- A potential hazard exists when lifting or dragging heavy loads with tackle block assemblies.
- Failure to design and use tackle block systems properly may cause a load to slip or fall - the result could be serious injury or death. A tackle block system should be rigged by a qualified person as defined by ANSI / ASME 8.30.
- Instruct workers to keep hands and body away from block sheaves and swivels - and away from "pinch points" where rope touches block parts or loads.
- Do not side load Weld On or Drill On tackle blocks. Read, understand, and follow these instructions to select, use and maintain tackle block systems.



IMPORTANT:

For maximum safety and efficiency, tackle block systems must be properly designed, used, and maintained. You must understand the use of tackle block components in the system. These instructions provide this knowledge. Read them carefully and completely.
Some parts of these instructions must use technical words and detailed expla-nations. NOTE: If you do not understand all words, diagrams, and definitions - DO NOT TRY TO USE A TACKLE BLOCK SYSTEM!

TACKLE BLOCK MAINTENANCE

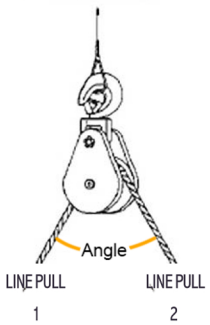
Tackle Blocks must be regularly inspected, lubricated, and maintained for peak efficiency and extended usefulness. Their proper use and main-tenance is equal in importance to other mechanical equipment. The frequency of inspection and lubrication is dependent upon frequency and periods of use, environmental conditions, and the user's good judgment. Inspection: As a minimum, the following points should be considered:

1. Wear on pins or axles, rope grooves, side plates, bushing or bearings, and fittings. Excessive wear may be a cause to replace parts or remove block from service.
2. Deformation in side plates, pins and axles, fitting attachment points, trunnions, etc. Deformation can be caused by abusive service and / or overload and may be a cause to remove block from service.
3. Misalignment or wobble in sheaves.
4. Security of nuts, bolts and other locking methods, especially after reassembly following a tear down inspection. Original securing method should be used; e.g., staking, set screw, cotter pin, cap screw.
5. Deformation of corrosion of hook and nut threads.
6. Surface condition and deformation of hook.
7. Welded side plates for weld corrosion or weld cracking.
8. Hook Latch for deformation, proper fit and operation.

Lubrication: The frequency of lubrication depends upon frequency and period of product use as well as environmental conditions, which are contingent upon the user's good judgment.
Assuming normal product use, the following schedule is suggested when using lithium-base grease of a medium consistency.
Bronze Bushings-(Not Self Lubricated)-Every 8 hours of continuous operation or every 14 days of intermittent operation.

LOADS ON BLOCKS

The Working Load Limit (WLL) for blocks indicates the maximum load that should be exerted on the block and its connecting fitting.
This total load value may be different from the weight being lifted or pulled by a hoisting or hauling system. It is necessary to determine the total load being imposed on each block in the system to properly deter-mine the rated capacity block to be used. A single sheave block used to change load line direction can be subjected to total loads greatly different from the weight being lifted or pulled. The total load value varies with the angle between the incoming and departing lines to the block. The following chart indicates the factor to be multiplied by the line pull to obtain the total load on the block.

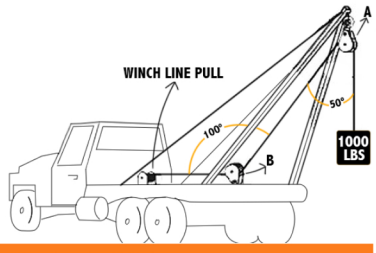


EXAMPLE 1 - Angle Factor Multipliers

Angle	Factor	Angle	Factor
0º	2.00	100º	1.29
10º	1.99	110º	1.15
20º	1.97	120º	1.00
30º	1.93	130º	0.84
40º	1.87	135º	0.76
45º	1.84	140º	0.68
50º	1.81	150º	0.52
60º	1.73	160º	0.35
70º	1.64	170º	0.17
80º	1.53	180º	0.00
90º	1.41	x	x

Calculations for determining a total load value on a single line system; i.e. A gin pole truck lifting 1,000 lbs:

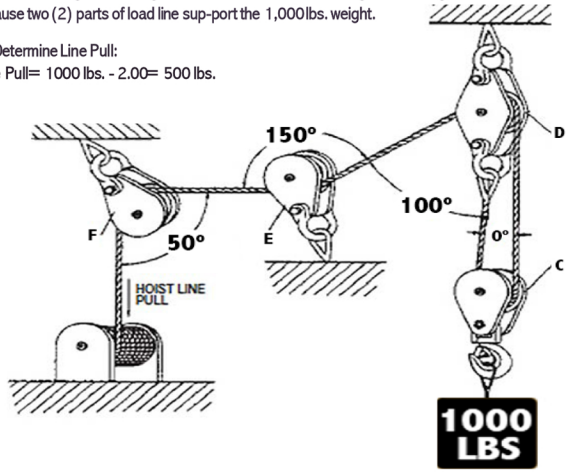
There is no mechanical advantage to a single part load line system, so winch line pull is equal to 1,000 lbs. or the weight being lifted.
To determine total load on snatch block A:
A= 1,000 lbs. x 1.84 = 1,840 lbs.
(line pull) (factor 45° angle)
To determine total load on toggle block 8:
B= 1,000 lbs. x 0.84= 840 lbs.
(line pull) (factor 130° angle)



EXAMPLE 2 - Mechanical Advantage

(Calculation for determining total load value for mechanical advantage system.) Hoisting system lifting 1,000 lbs. using a traveling block. The mechanical advantage of traveling block C is 2.00 because two (2) parts of load line sup-port the 1,000 lbs. weight.

To Determine Line Pull:
Line Pull= 1000 lbs. - 2.00= 500 lbs.



To determine total load on traveling block C:

C = 500 lbs. x 2.0 = 1,000 lbs.
(linepull) (Factor 0° angle)
To determine total load on stationary block **D**:
D= 500 lbs x 1.81 + 500 lbs.= 1,405 lbs.
(linepull) (dead end load)
(Factor 50° angle)

To determine total load on block E:

E= 500 lbs. x 0.52= 260 lbs.
(line pull) (Factor 150° angle)
To determine total load on block **F**:
F= 500 lbs. x 1.29 = 645 lbs.
(line pull) (Factor 100 angle)

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TowMaster Vehicle Recovery | Duralift | Vice-Tite

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