


CARGO CONTROL RATCHET/UTILITY STRAPS

1" UTILITY TIE-DOWNS: Our utility tie-downs are used for securing light duty loads on pick-up trucks, snowmobile, motorcycle, and utility trailers alike! The following pictured items depict the most popular straps! Design your strap by choosing the style of hardware and fittings for your specific application, see page 16

"UNIVERSAL" RATCHET STRAP

	ID CODE	STRAP LENGTH	ASSEMBLY BREAKING STRENGTH	WORKING LOAD LIMIT
	5003X16UN	16'	3000 LBS.	1000 LBS.

"VINYL HOOKS" RATCHET STRAP

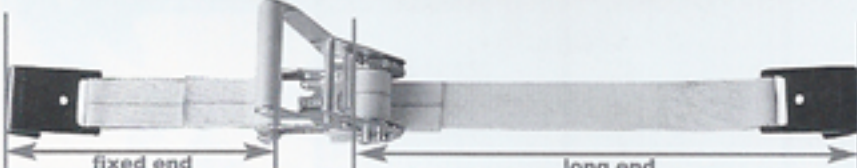
	ID CODE	STRAP LENGTH	ASSEMBLY BREAKING STRENGTH	WORKING LOAD LIMIT
	5003X12-04	12'	1500 LBS.	500 LBS.

MOTORCYCLE CAM STRAP


	ID CODE	STRAP LENGTH	ASSEMBLY BREAKING STRENGTH	WORKING LOAD LIMIT
	54C112X06-04	6'	1500 LBS.	500 LBS.

2" HD RATCHET TIE-DOWNS: Industry standard and most common used assembly for securing flat bed cargo and heavy-duty applications. Meets all federal, local, and D.O.T. specifications (See Important Warnings!) Our standard assemblies are shown below, see page 16 for selecting or custom choosing your preferred hardware or fittings.

DD 13 LONG WIDE HANDLE RATCHET ASSEMBLY


	ID CODE	STRAP LENGTH	ASSEMBLY BREAKING STRENGTH	WORKING LOAD LIMIT
	5130X27-25	27'	10000 LBS.	3335 LBS.

DD 6.5 NARROW HANDLE RATCHET ASSEMBLY


	ID CODE	STRAP LENGTH	ASSEMBLY BREAKING STRENGTH	WORKING LOAD LIMIT
	5065X24-24	24'	5000 LBS.	1665 LBS.

SERIES "E" STRAPS: These logistics straps are designed to care for most interior van cargo requirements. Straps are color coded for easy length identification! Our exclusive captivated "Loop" on cam straps allow the user additional tensioning force and keep both parts of strap permanently together! All straps have a 4 ft. fixed end!

2" LOGISTIC STRAP WITH RATCHET BUCKLE

	ID CODE	STRAP LENGTH	WEBBING COLOR CODE	ASSEMBLY BREAKING STRENGTH	WORKING LOAD LIMIT
	5035X12-E	12'	YELLOW	3000	1000
	5035X16-E	16'	GRAY	3000	1000
	5035X20-E	20'	BLUE	3000	1000

2" LOGISTIC STRAP WITH CAM BUCKLE

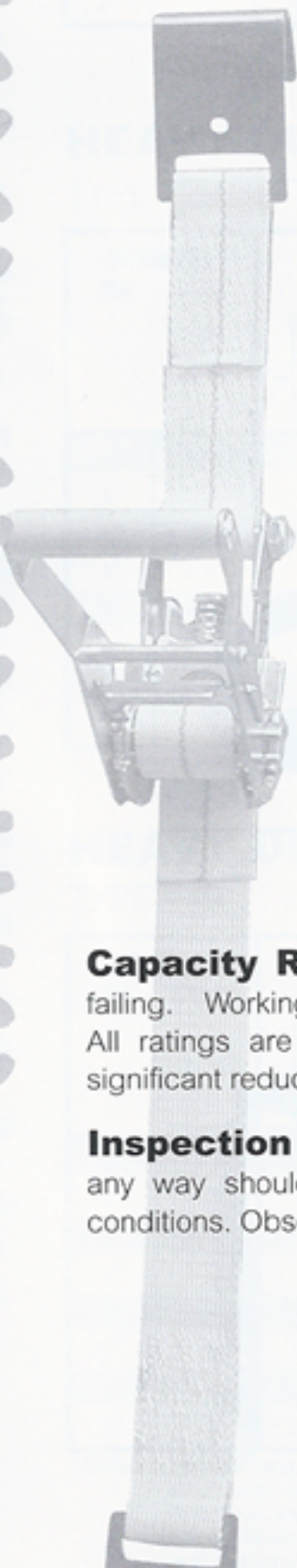
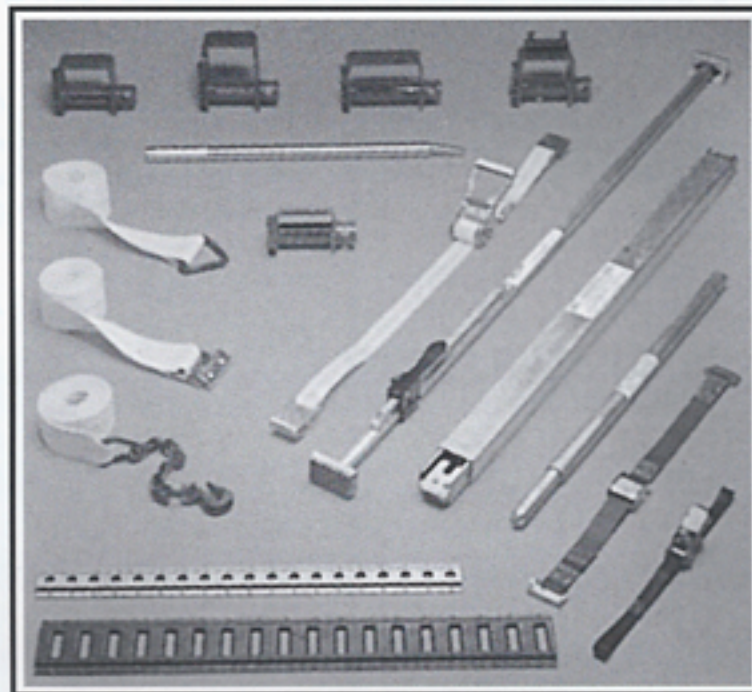
	ID CODE	STRAP LENGTH	WEBBING COLOR CODE	ASSEMBLY BREAKING STRENGTH	WORKING LOAD LIMIT
	55C30X12-E	12'	YELLOW	2500	835
	55C30X16-E	16'	GRAY	2500	835
	55C30X20-E	20'	BLUE	2500	835



CARGO CONTROL

Important Warning: It is the owner and users obligation to familiarize himself with all local, state, and federal regulations. The responsibility and choice lies strictly in that decision. All tie-downs and assemblies are only as strong as their weakest components or attachments. FAILURE TO COMPLY WITH GUIDELINES MIGHT RESULT IN PERSONAL INJURY, CARGO DAMAGE OR DEATH. Consult with D.O.T., Federal Motor Carrier Safety Regulations, "O", Title 49, section 392.9, Part 393, subpart 1 - 202-512-1800.

Selection: D.O.T. (Department of Transportation) requires that the aggregate work load limit of the tie down assemblies used to secure an item must be at least 1/2 the weight of the object being secured.



EXAMPLE: Object tied down is 24,000 lbs. 1/2 of weight is equal to 12,000 lbs. Using a 2" tie down with a WLL of 3,335 lbs.

FORMULA: 50% of the object weight Divided by WLL of the tie down equals the number of assemblies required to secure the load

CONCLUSION: Per D.O.T. regulations, it will require a minimum of four, 2" wide ratchet tie downs to secure a 24,000 lbs load.

ADDITIONAL CONSIDERATIONS:

- a. Determine weight of the cargo to be secured.
- b. Select web tie down suitable for the type of load.
- c. Consideration must be given to the angle from the vertical attachment.
- d. Assembly shall be attached so as to provide control of the load.
- e. Assembly must be attached to components equal in strength as the tie down.
- f. Never use a tie down for overhead lifting or towing.
- g. A minimum of two (2) wraps of webbing shall be on the winch or ratchet buckle mandrel. **Caution:** additional wraps will reduce the working load limit.
- h. Tie downs should regularly be checked and adjusted during the transportation of cargo.

Capacity Ratings - All breaking strengths are based on the load an assembly will withstand before failing. Working Load Limits are rated at one-third (1/3) of the ultimate break strength of the assembly. All ratings are based on a straight tensile pull. Load directions other than straight can result in a significant reduction in strength.

Inspection -All assemblies should be inspected before each use. Straps worn, cut or damaged in any way should not be used. Clean and lubricate to ensure that tie-downs are in proper operating conditions. Observe ID tag warnings.

HOW TO ORDER *(See pages 15 & 16 for various styles and types)*

1. Determine load rating desired.
2. Choose ratchet style (equal to load ratings)
3. Establish required length.
4. Pick choice of end fittings (equal to load ratings)
5. Add corner protectors or wear sleeves.