USING *TUFLEX*® ROUNDSLINGS

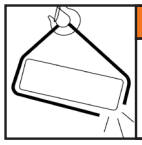
Protect Sling from Damage

ALWAYS protect roundslings from being cut or damaged by corners, edges and protrusions using protection sufficient for each application.

Do not ignore warning signs of misuse. **Cut marks detected during any sling inspection serve as a clear indication that cut protection is needed.** Refer to Sling Protection section of our catalog.

Exposure of Slings to Edges

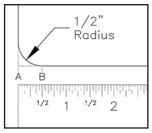
Edges do not need to be sharp to cause failure of the sling. The following table shows the minimum allowable edge radii suitable for contact with unprotected roundslings. Chamfering or cutting off edges is not an acceptable substitute for fully rounding the edges to the minimum radius. Slings can also be damaged from contact with edges or burrs at the sling connection.



⚠ WARNING

Exposure of roundslings to edges with a radius that is too small can cause sling failure and loss of load

Measure the edge radius. The radius is equal to the distance between points A and B.



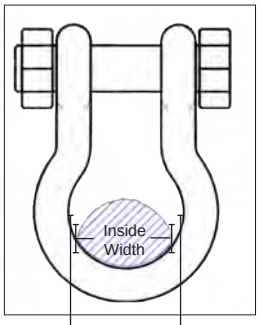
Minimum Edge Radii Suitable For Contact With Unprotected Polyester Roundslings		
Rated Capacity Vertical (lbs.)	Minimum* Edge Radii (in.)	Sling Width @ Load (in.)
EN30	0.14	1.00
EN60	0.21	1.38
EN90	0.26	1.75
EN120	0.30	1.88
EN150	0.33	2.00
EN180	0.40	2.13
EN240	0.41	2.63
EN280	0.44	3.00
EN360	0.50	3.25
EN460	0.56	3.75
EN600	0.67	4.00
EN800	0.72	4.63
EN900	0.80	5.00
EN1000	0.87	5.25
EN1100	0.92	5.50

***** For further information on minimum edge radii, contact *Lift-All* or see WSTDA-RS-1.

Sling Hardware and Connections

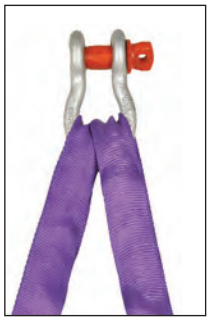
Connection surfaces must be smooth to avoid abrading or cutting slings. Roundslings can be damaged or weakened by excessive compression between the sling and the connection points. Select and use proper connection hardware that conforms to the size requirements listed for choker, vertical, or basket hitches in the charts below.

Contact *Lift-All* (or see WSTDA-RS-1), for information about how to calculate whether a smaller connection size is allowable when tension on a roundsling is less than its capacity.



Effective Contact Width

Single Part (Vertical)



Double Part (Basket)**

Minimum Hardware Dimensions Suitable For Use With *Tuflex* Roundslings				
Tuflex Size	Single Part		Double Part**	
	Minimum Stock Diameter (in.)	Minimum Contact Width (in.)	Minimum Stock Diameter (in.)	Minimum Contact Width (in.)
EN30	0.44	1.00	0.57	1.38
EN60	0.63	1.38	0.88	1.88
EN90	0.75	1.75	1.06	2.38
EN120	0.88	1.88	1.25	2.50
EN150	1.00	2.00	1.38	2.88
EN180	1.13	2.13	1.63	3.00
EN240	1.19	2.63	1.63	3.75
EN280	1.25	3.00	1.88	4.25
EN360	1.50	3.25	2.00	4.50
EN460	1.62	3.75	2.38	5.25
EN600	2.00	4.00	2.75	5.63
EN800	2.13	4.63	3.00	6.50
EN900	2.25	5.00	3.25	7.00
EN1000	2.50	5.25	3.50	7.38
EN1100	2.62	5.5	3.75	8.00

****** For hardware connected to the body of Eye/Eye *Tuflex* Roundslings, use the double part columns.

For Temperature and Chemical Information refer to the *Environmental Consideration* page in the WEB section of this catalog.