

DESIGN FACTORS.

Design factor 4:1

Attachment type										
Number of strangs	1	1	2	2	2	2	2	3/4	3/4	3/4
Tilt angle β	0-7°	90°	0-7°	90°	0-45°	>45-60°	Asymm.	0-45°	>45-60°	Asymm.
Factor	1	1	2	2	1.4	1	1	2.1	1.5	1
Design factor 4:1 for max. total load weight in tonnes, bolted tight and aligned in direction of tension										
TXP-1.3t M16 – 5/8"	1.3	1.3	2.6	2.6	1.82	1.3	1.3	2.73	1.95	1.3
TXP-2.0t M20 – 3/4"	2	2	4	4	2.8	2	2	4.25	3	2
TXP-3.0t M24 – 1"	3	3	6	6	4.25	3	3	6.3	4.5	3
Design factor 4:1 for max. total load weight in pounds (lbs), bolted tight and aligned in direction of tension										
TXP-1.3t M16 – 5/8"	2,860	2,860	5,720	5,720	4,004	2,860	2,860	6,006	4,290	2,860
TXP-2.0t M20 – 3/4"	4,400	4,400	8,800	8,800	6,160	4,400	4,400	9,350	6,600	4,400
TXP-3.0t M24 – 1"	6,600	6,600	13,200	13,200	9,350	6,600	6,600	13,860	9,900	6,600

Design factor 5:1

Attachment type										
Number of strangs	1	1	2	2	2	2	2	3/4	3/4	3/4
Tilt angle β	0-7°	90°	0-7°	90°	0-45°	>45-60°	Asymm.	0-45°	>45-60°	Asymm.
Factor	1	1	2	2	1.4	1	1	2.1	1.5	1
Design factor 5:1 for max. total load weight in tonnes, bolted tight and aligned in direction of tension										
TXP-1.3t M16 – 5/8"	1.04	1.04	2.08	2.08	1.46	1.04	1.04	2.18	1.56	1.04
TXP-2.0t M20 – 3/4"	1.6	1.6	3.2	3.2	2.24	1.6	1.6	3.4	2.4	1.6
TXP-3.0t M24 – 1"	2.4	2.4	4.8	4.8	3.4	2.4	2.4	5.04	3.6	2.4
Design factor 5:1 for max. total load weight in pounds (lbs), bolted tight and aligned in direction of tension										
TXP-1.3t M16 – 5/8"	2,288	2,288	4,576	4,576	3,203	2,288	2,288	4,805	3,432	2,288
TXP-2.0t M20 – 3/4"	3,520	3,520	7,040	7,040	4,928	3,520	3,520	7,480	5,280	3,520
TXP-3.0t M24 – 1"	5,280	5,280	10,560	10,560	7,480	5,280	5,280	11,088	7,920	5,280