

ACP-TURNADO

WLL M8 – M30 (1/2" – 1 1/4")

SAFETY FACTOR 4:1



THREAD SIZES M8–M30										
Number of strands		1	1	2	2	2	2	2	3/4	3/4
Angle of inclination <β		0°	90°	0°	90°	0–45°	> 45–60°	Asymm.	0–45°	> 45–60°
Factor		1	1	2	2	1.4	1	1	2.1	1.5
Tonnage	Thread size									
For max. total load weight in tonnes, tightly screwed, and set in pulling direction										
Metric threads / UNC inch thread										
0.7 t	M8	0.7	0.7	1.4	1.4	0.98	0.7	0.7	1.47	1.05
1 t	M10	1	1	2	2	1.4	1	1	2.1	1.5
1.35 t	M12 / 1/2"	1.35	1.35	2.7	2.7	1.9	1.35	1.35	2.84	2
2.5 t	M16 / 5/8"	2.5	2.5	5	5	3.5	2.5	2.5	5.25	3.75
4 t	M20 / 3/4"	4	4	8	8	5.6	4	4	8.4	6
6.3 t	M24 / 1"	6.3	6.3	12.6	12.6	8.8	6.3	6.3	13.2	9.4
8 t	M30 / 1 1/4"	8	8	16	16	11.2	8	8	17	11.8
For max. total load weight in lbs, tightly screwed, and set in pulling direction										
Metric threads / UNC inch thread										
1,540 lbs	M8	1,540	1,540	3,080	3,080	2,170	1,540	1,540	3,260	2,310
2,200 lbs	M10	2,200	2,200	4,400	4,400	3,110	2,200	2,200	4,660	3,300
2,970 lbs	M12 / 1/2"	2,970	2,970	5,940	5,940	4,200	2,970	2,970	6,300	4,450
5,500 lbs	M16 / 5/8"	5,500	5,500	11,000	11,000	7,770	5,500	5,500	11,660	8,250
8,820 lbs	M20 / 3/4"	8,820	8,820	17,640	17,640	12,470	8,820	8,820	18,710	13,230
13,890 lbs	M24 / 1"	13,890	13,890	27,780	27,780	19,640	13,890	13,890	29,460	20,830
17,630 lbs	M30 / 1 1/4"	17,630	17,630	35,260	35,260	24,930	17,630	17,630	37,400	26,440

Specifications in tonnes [t] (top) and in lbs (bottom).

Maximum transport weight "G" in [t] with different lifting methods.

Subject to technical changes!

ACP-TURNADO

WLL M8 – M30 (1/2" – 1 1/4")

SAFETY FACTOR 5:1



THREAD SIZES M8–M30											
Number of strands		1	1	2	2	2	2	2	3/4	3/4	3/4
Angle of inclination <β		0°	90°	0°	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
Tonnage	Thread size										
For max. total load weight in tonnes, tightly screwed, and set in pulling direction											
Metric threads / UNC inch thread											
0.56 t	M8	0.56	0.56	1.12	1.12	0.79	0.56	0.56	1.18	0.84	0.56
0.8 t	M10	0.8	0.8	1.6	1.6	1.12	0.8	0.8	1.70	1.18	0.8
1.1 t	M12 / 1/2"	1.1	1.1	2.2	2.2	1.5	1.1	1.1	2.3	1.6	1.1
2 t	M16 / 5/8"	2	2	4	4	2.8	2	2	4.25	3	2
3.2 t	M20 / 3/4"	3.2	3.2	6.4	6.4	4.5	3.2	3.2	6.7	4.8	3.2
5 t	M24 / 1"	5	5	10	10	7.1	5	5	10.6	7.5	5
6.4 t	M30 / 1 1/4"	6.4	6.4	12.8	12.8	9	6.4	6.4	13.5	9.6	6.4
For max. total load weight in lbs, tightly screwed, and set in pulling direction											
Metric threads / UNC inch thread											
1,230 lbs	M8	1,230	1,230	2,460	2,460	1,730	1,230	1,230	2,600	1,840	1,230
1,760 lbs	M10	1,760	1,760	3,520	3,520	2,480	1,760	1,760	3,730	2,640	1,760
2,380 lbs	M12 / 1/2"	2,380	2,380	4,760	4,760	3,360	2,380	2,380	5,040	3,570	2,380
4,400 lbs	M16 / 5/8"	4,400	4,400	8,800	8,800	6,220	4,400	4,400	9,330	6,600	4,400
7,040 lbs	M20 / 3/4"	7,040	7,040	14,080	14,080	9,950	7,040	7,040	14,930	10,560	7,040
11,080 lbs	M24 / 1"	11,080	11,080	22,160	22,160	15,670	11,080	11,080	23,500	16,620	11,080
14,080 lbs	M30 / 1 1/4"	14,080	14,080	28,160	28,160	19,910	14,080	14,080	29,860	21,120	14,080

Specifications in tonnes [t] (top) and in lbs (bottom).

Maximum transport weight "G" in [t] with different lifting methods.

Subject to technical changes!

ACP-TURNADO MAX

WLL M36 – M56 (1 1/2" – 2")

SAFETY FACTOR 4:1



THREAD SIZES M36–M56											
Number of strands		1	1	2	2	2	2	2	3/4	3/4	3/4
Angle of inclination <β		0°	90°	0°	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
Tonnage	Thread size										
For max. total load weight in tonnes, tightly screwed, and set in pulling direction											
Metric threads											
12.5 t	M36	15	12.5	30	25	17	12.5	12.5	26.5	19	12.5
16 t	M42	18	16	36	32	22.4	16	16	33.6	24	16
20 t	M48	25	20	50	40	28	20	20	42	30	20
24 t	M52	26	24	52	48	33.6	24	24	50.4	36	24
27 t	M56	32.5	27	65	54	38	27	27	57	40.5	27
UNC inch thread											
14 t	1 1/2"	16	14	32	28	19.6	14	14	29.4	21	14
16 t	1 3/4"	18	16	36	32	22.4	16	16	33.6	24	16
22 t	2"	25	22	50	44	30.8	22	22	46.2	33	22
For max. total load weight in lbs, tightly screwed, and set in pulling direction											
Metric threads											
27,550 lbs	M36	33,070	27,550	66,140	55,100	38,960	27,550	27,550	58,440	41,320	27,550
35,270 lbs	M42	39,680	35,270	79,360	70,540	49,870	35,270	35,270	74,810	52,900	35,270
44,090 lbs	M48	55,110	44,090	110,220	88,180	62,350	44,090	44,090	93,520	66,130	44,090
52,910 lbs	M52	57,320	52,910	114,640	105,820	74,820	52,910	52,910	112,230	79,360	52,910
59,520 lbs	M56	71,650	59,520	143,300	119,040	84,170	59,520	59,520	126,260	89,280	59,520
UNC inch thread											
30,860 lbs	1 1/2"	35,270	30,860	70,540	61,720	43,640	30,860	30,860	65,460	46,290	30,860
35,270 lbs	1 3/4"	39,680	35,270	79,360	70,540	49,870	35,270	35,270	74,810	52,900	35,270
48,500 lbs	2"	55,110	48,500	110,220	97,000	68,580	48,500	48,500	102,880	72,750	48,500

Specifications in tonnes [t] (top) and in lbs (bottom).

Maximum transport weight "G" in [t] with different lifting methods.

Subject to technical changes!

ACP-TURNADO MAX

WLL M36 – M56 (1 1/2" – 2")

SAFETY FACTOR 5:1



THREAD SIZES M36–M56											
Number of strands		1	1	2	2	2	2	2	3/4	3/4	3/4
Angle of inclination <β		0°	90°	0°	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
Tonnage	Thread size										
For max. total load weight in tonnes, tightly screwed, and set in pulling direction											
Metric threads											
10 t	M36	12	10	24	20	14	10	10	21.2	15	10
12.8 t	M42	14.4	12.8	28.8	25.6	18.1	12.8	12.8	26.9	19.2	12.8
16 t	M48	20	16	40	32	22.4	16	16	33.6	24	16
19.2 t	M52	21	19.2	42	38.4	27.1	19.2	19.2	40.7	28.8	19.2
21.6 t	M56	26	21.6	52	43.2	30.5	21.6	21.6	45.8	32.4	21.6
UNC inch thread											
11.2 t	1 1/2"	12.8	11.2	25.6	22.4	15.8	11.2	11.2	23.5	16.8	11.2
12.8 t	1 3/4"	14.4	12.8	28.8	25.6	18.1	12.8	12.8	26.9	19.2	12.8
17.6 t	2"	20	17.6	40	35.2	24.8	17.6	17.6	37.3	26.4	17.6
For max. total load weight in lbs, tightly screwed, and set in pulling direction											
Metric threads											
22,040 lbs	M36	26,450	22,040	52,900	44,080	31,160	22,040	22,040	46,750	33,060	22,040
28,220 lbs	M42	31,740	28,220	63,480	56,440	39,900	28,220	28,220	59,860	42,330	28,220
35,270 lbs	M48	44,090	35,270	88,180	70,540	49,870	35,270	35,270	74,810	52,900	35,270
42,320 lbs	M52	45,850	42,320	91,700	84,640	59,850	42,320	42,320	89,770	63,480	42,320
47,620 lbs	M56	57,320	47,620	114,640	95,240	67,340	47,620	47,620	101,010	71,430	47,620
UNC inch thread											
24,690 lbs	1 1/2"	28,220	24,690	56,440	49,380	34,910	24,690	24,690	52,370	37,030	24,690
28,220 lbs	1 3/4"	31,740	28,220	63,480	56,440	39,900	28,220	28,220	59,860	42,330	28,220
38,800 lbs	2"	44,090	38,800	88,180	77,600	54,870	38,800	38,800	82,300	58,200	38,800

Specifications in tonnes [t] (top) and in lbs (bottom).

Maximum transport weight "G" in [t] with different lifting methods.

Subject to technical changes!

ACP-TURNADO SUPERMAX

WLL M64 – M100 (2 1/2" – 4")

SAFETY FACTOR 4:1



THREAD SIZES M64–M100										
Number of strands		1	1	2	2	2	2	3/4	3/4	3/4
Angle of inclination <β		0°	90°	0°	90°	0–45°	> 45–60°	Asymm.	0–45°	> 45–60°
Factor		1	1	2	2	1.4	1	1	2.1	1.5
Tonnage	Thread size									
For max. total load weight in tonnes, tightly screwed, and set in pulling direction										
Metric threads										
32.5 t	M64	35	32.5	70	65	46	32.5	32.5	69	49
32.5 t	M72	35	32.5	70	65	46	32.5	32.5	69	49
32.5 t	M80	35	32.5	70	65	46	32.5	32.5	69	49
32.5 t	M90	35	32.5	70	65	46	32.5	32.5	69	49
32.5 t	M100	35	32.5	70	65	46	32.5	32.5	69	49
UNC inch thread										
32.5 t	2 1/2"	35	32.5	70	65	46	32.5	32.5	69	49
32.5 t	3"	35	32.5	70	65	46	32.5	32.5	69	49
32.5 t	3 1/2"	35	32.5	70	65	46	32.5	32.5	69	49
32.5 t	4"	35	32.5	70	65	46	32.5	32.5	69	49
For max. total load weight in lbs, tightly screwed, and set in pulling direction										
Metric threads										
71,650 lbs	M64	77,160	71,650	154,320	143,300	100,310	71,650	71,650	152,000	107,470
71,650 lbs	M72	77,160	71,650	154,320	143,300	100,310	71,650	71,650	152,000	107,470
71,650 lbs	M80	77,160	71,650	154,320	143,300	100,310	71,650	71,650	152,000	107,470
71,650 lbs	M90	77,160	71,650	154,320	143,300	100,310	71,650	71,650	152,000	107,470
71,650 lbs	M100	77,160	71,650	154,320	143,300	100,310	71,650	71,650	152,000	107,470
UNC inch thread										
71,650 lbs	2 1/2"	77,160	71,650	154,320	143,300	100,310	71,650	71,650	152,000	107,470
71,650 lbs	3"	77,160	71,650	154,320	143,300	100,310	71,650	71,650	152,000	107,470
71,650 lbs	3 1/2"	77,160	71,650	154,320	143,300	100,310	71,650	71,650	152,000	107,470
71,650 lbs	4"	77,160	71,650	154,320	143,300	100,310	71,650	71,650	152,000	107,470

Specifications in tonnes [t] (top) and in lbs (bottom).

Maximum transport weight "G" in [t] with different lifting methods.

Subject to technical changes!

ACP-TURNADO SUPERMAX

WLL M64 – M100 (2 1/2" – 4")

SAFETY FACTOR 5:1



THREAD SIZES M64–M100											
Number of strands		1	1	2	2	2	2	2	3/4	3/4	3/4
Angle of inclination <β		0°	90°	0°	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
Tonnage	Thread size										
For max. total load weight in tonnes, tightly screwed, and set in pulling direction											
Metric threads											
26 t	M64	28	26	56	52	36.8	26	26	55	39	26
26 t	M72	28	26	56	52	36.8	26	26	55	39	26
26 t	M80	28	26	56	52	36.8	26	26	55	39	26
26 t	M90	28	26	56	52	36.8	26	26	55	39	26
26 t	M100	28	26	56	52	36.8	26	26	55	39	26
UNC inch thread											
26 t	2 1/2"	28	26	56	52	36.8	26	26	55	39	26
26 t	3"	28	26	56	52	36.8	26	26	55	39	26
26 t	3 1/2"	28	26	56	52	36.8	26	26	55	39	26
26 t	4"	28	26	56	52	36.8	26	26	55	39	26
For max. total load weight in lbs, tightly screwed, and set in pulling direction											
Metric threads											
57,320 lbs	M64	61,720	57,320	123,440	114,640	81,000	57,320	57,320	121,590	85,980	57,320
57,320 lbs	M72	61,720	57,320	123,440	114,640	81,000	57,320	57,320	121,590	85,980	57,320
57,320 lbs	M80	61,720	57,320	123,440	114,640	81,000	57,320	57,320	121,590	85,980	57,320
57,320 lbs	M90	61,720	57,320	123,440	114,640	81,000	57,320	57,320	121,590	85,980	57,320
57,320 lbs	M100	61,720	57,320	123,440	114,640	81,000	57,320	57,320	121,590	85,980	57,320
UNC inch thread											
57,320 lbs	2 1/2"	61,720	57,320	123,440	114,640	81,000	57,320	57,320	121,590	85,980	57,320
57,320 lbs	3"	61,720	57,320	123,440	114,640	81,000	57,320	57,320	121,590	85,980	57,320
57,320 lbs	3 1/2"	61,720	57,320	123,440	114,640	81,000	57,320	57,320	121,590	85,980	57,320
57,320 lbs	4"	61,720	57,320	123,440	114,640	81,000	57,320	57,320	121,590	85,980	57,320

Specifications in tonnes [t] (top) and in lbs (bottom).

Maximum transport weight "G" in [t] with different lifting methods.

Subject to technical changes!