

WHY GUY WITH SYNTHETIC ROPES?

NO RF INTERACTION * LIGHT WEIGHT * EASY HANDLING * COST EFFECTIVE

WHY MASTRANT?

DESIGNED FOR GUYING * UV RESISTANCE * HIGH STRENGTH * LOW ELONGATION - NO STRETCH * WEATHER DURABILITY * WIDE RANGE OF ACCESSORIES AND TOOLS

HOW?

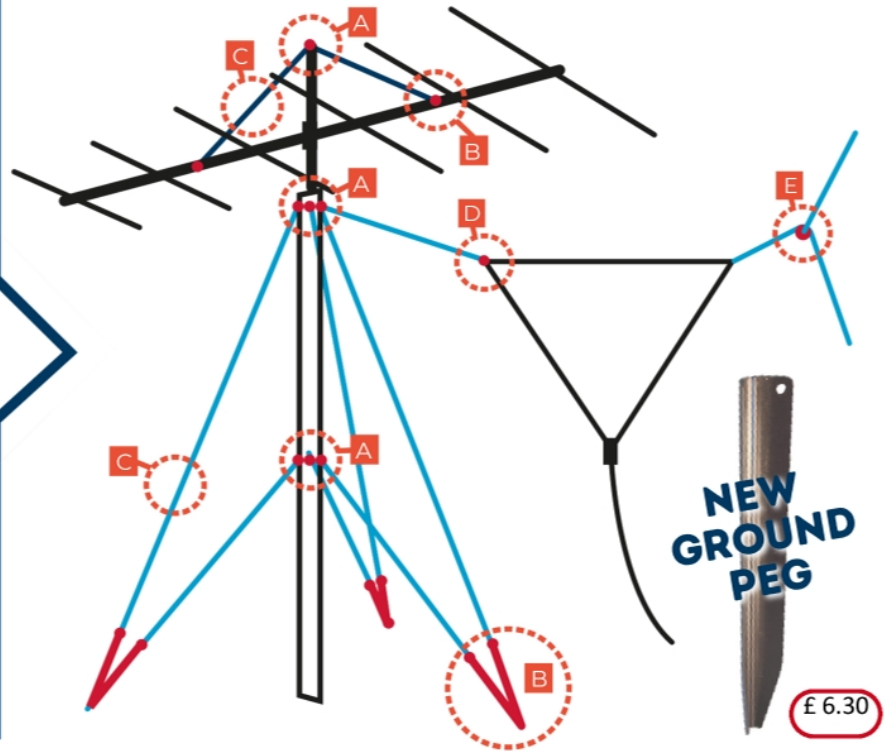
CHOOSE APPROPRIATE GUYROPE * CALCULATE LENGTHS * THINK ABOUT IT * DO IT * REGULARLY CHECK IT



MASTRANT

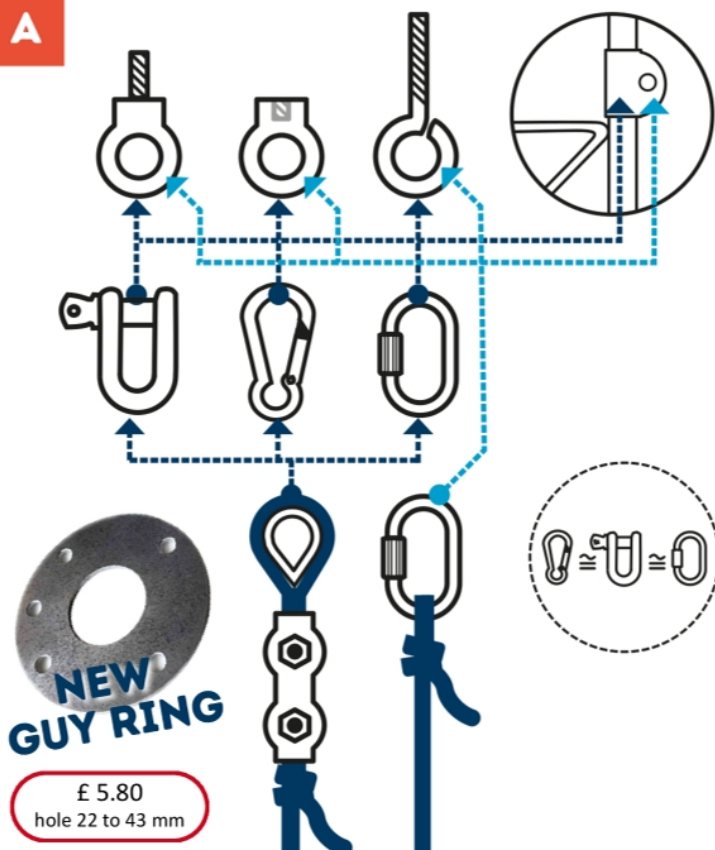
ANTENNA GUYING

WHERE WE CAN SUPPORT YOU



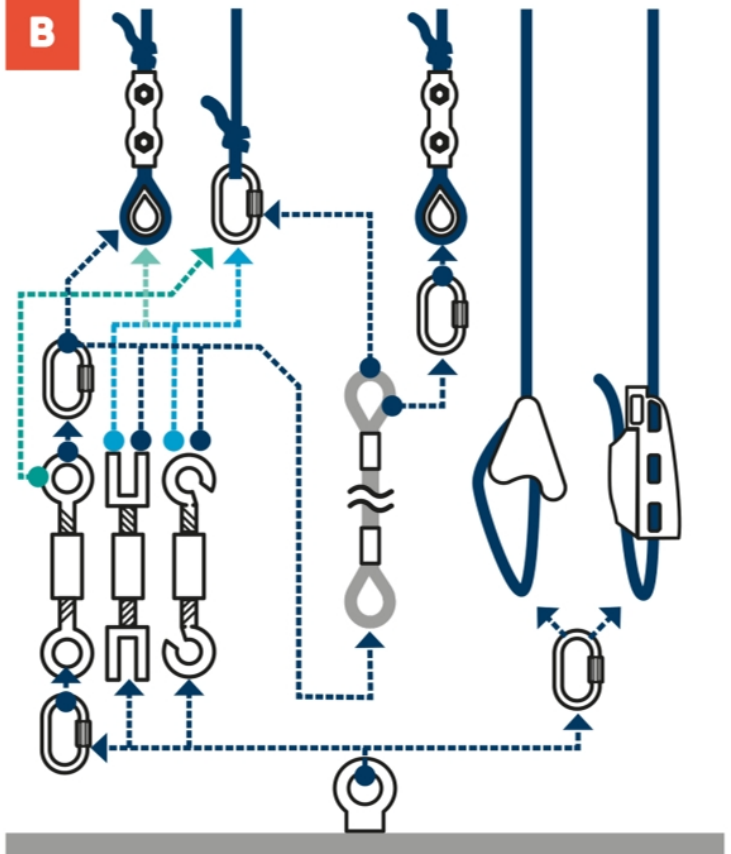
MAST / TOWER GUY POINT

A



TENSIONING + CONNECTING

B

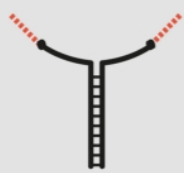


C

TYPICAL INSTALLATIONS + RECOMMENDED GUY ROPES

TYPE OF USE

Wire antenna suspension



Conventional wire antennas

High tension - heavy wire, 160m

Vertical antenna



Up to 20m, Ø 25-75 mm

Up to 40m, Ø 50-100 mm

Mast Ø 1 to 4"



Up to 10m with 3 el. 3-B or long VHF Yagi

Up to 20m, 5 el. Yagi for 20m

Lattice tower



Up to 20m 7 el. tribander

Up to 60m 3 stack of 5 el. Yagi 20m

MASTRANT

ANTENNA GUYING

breaking strength (BS)

safe working load (SWL)

[lbs.]

ROPE TYPE

PRICE

£

Longer spools available

Spool meters

100

31

1

Size of couplers



LEVELS*

Ø SIZE

MASTRANT CLASSIC

STRETCH = ELONGATION: 2.4%, CORE = POLYESTER & POLYPROPYLENE, COVER = POLYESTER

2	1/16"									220	70	P	18	n/a	0.25	5	5	6
												R	19	n/a	0.27			
3	1/8"									440	130	P	25	11	0.35	5	5	6
												R	28	13	0.39			
3+	9/64"									660	200	P	34	14	0.48	6	5	6
												C	43	15	0.60			
4	5/32"									970	290	P	40	16	0.52	6	5	6
5	3/16"									1190	360	P	58	22	0.75	6	5	6
												R	72	n/a	0.94			
												O	n/a	30	1.14			
6	1/4"									1610	490	Q	90	n/a	1.08	8	6	8
												C	110	n/a	1.32			
												S	110	n/a	1.32			
8	5/16"									3750	1120	Q	119	n/a	1.43	10	6	8
11	7/16"									6130	1830	Q	171	n/a	2.06	HD	7	10
14	9/16"									7120	2140	Q	233	n/a	2.80	-	10	14

Ø SIZE

MASTRANT PREMIUM

EXTRA STRONG

STRETCH = ELONGATION: <1.2%, CORE = DYNEEMA® DM 20, COVER = POLYESTER

1	3/64"									220	70	M	35	14	0.49	5	5	6
2	3/32"									490	150	M	42	16	0.59	5	5	6
3	1/8"									860	260	M	69	24	0.97	6	5	6
4	5/32"									1980	600	M	138	n/a	1.79	7	5	6
5	3/16"									2650	790	M	214	n/a	2.78	8	6	8
6	1/4"									4080	1220	M	266	n/a	3.19	10	7	10
8	5/16"									5730	1720	M	378	n/a	4.54	HD	8	12
10	3/8"									8490	2550	M	655	n/a	7.86	-	10	16
12	1/2"									12130	3640	M	930	n/a	11.2	-	12	20

WHY PREMIUM?

Double strength for
the same diameter
+
Half the stretch

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Double strength for the same diameter
+
Half the stretch

* LEVELS = NUMBER OF GUY ATTACHMENT POINTS. OTHER ASSUMPTIONS: WIND SPEED UP TO 160 km/h, DISTANCE BETWEEN ANCHOR POINT AND BASE OF MAST > 70% OF THE HEIGHT

DETAILED INSTRUCTIONS, USEFUL TIPS, TRICKS AND ADVICE ON WEBSITE WWW.MASTRANT.COM

MASTRANT - P



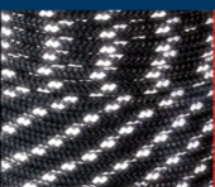
MASTRANT - R



MASTRANT - C



MASTRANT - Q



MASTRANT - S



MASTRANT - O



MASTRANT - M

A: Terminating

Thimbles (stainless A4)		
ATH02	2 mm (3/32", min.int.diam. 8 mm)	0.23
ATH03	3 mm (1/8", min.int.diam. 10 mm)	0.26
ATH04	4 mm (5/32", min.int.diam. 11 mm)	0.36
ATH05	5 mm (3/16", min.int.diam. 13 mm)	0.46
ATH06	6 mm (1/4", min.int.diam. 14 mm)	0.55
ATH08	8 mm (5/16", min.int.diam. 18 mm)	0.93
ATH10	10 mm (3/8", min.int.diam. 24 mm)	1.40
ATH12	12 mm (1/2", min.int.diam. 30 mm)	1.60
ATH14	14 mm (9/16", min.int.diam. 32 mm)	2.30



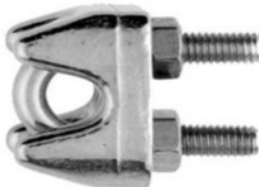
Duplex wire rope clips (stainless A4)		
ADC02	2 mm (3/32", M4, wrench 7)	1.02
ADC03	3 mm (1/8", M4, wrench 7)	1.30
ADC04	4 mm (5/32", M5, wrench 8)	1.80
ADC05	5 mm (3/16", M5, wrench 8)	2.30
ADC06	6 mm (1/4", M6, wrench 10)	3.10
ADC08	8 mm (5/16", M8, wrench 13)	4.70
ADC10	10 mm (3/8", M10, wrench 16)	8.80



Fist-grips (galvanised)		
APC06	6 mm (1/4", 5-8 mm, M6)	2.30
APC08	8 mm (5/16", 8-10 mm, M6)	3.20
APC10	10 mm (3/8", 10-12, M8)	4.60
APC12	12 mm (1/2", 12-14, M10)	5.80
APC16	16 mm (5/8", 14-18, M12)	7.80



Bull-dog grips		
ASC02	2 mm (3/32", M3)	1.20
ASC03	3 mm (1/8", M3)	1.40
ASC04	4 mm (5/32", M4)	1.40
ASC05	5 mm (3/16", M5)	1.60
ASC06	6 mm (1/4", M6)	1.90
ASC08	8 mm (5/16", M6)	2.20
ASC10	10 mm (3/8", M8)	3.20
ASC12	12 mm (1/2", M10)	6.-
ASC13	13 mm (9/16", M10)	7.20



A, B: Coupling

Spring hooks - Carabiners (stainless A4)		
AHO04	4 mm (5/32", BS: 500 lb.)	1.20
AHO05	5 mm (3/16", BS: 880 lb.)	1.30
AHO06	6 mm (1/4", BS: 1050 lb.)	1.50
AHO07	7 mm (9/32", BS: 1320 lb.)	2.20
AHO08	8 mm (5/16", BS: 1870 lb.)	2.80
AHO10	10 mm (3/8", BS: 2500 lb.)	5.10
AHOS05	smooth 5 mm (3/16", BS: 370 lb.)	1.60
AHOS07	smooth 7 mm (9/32", BS: 990 lb.)	2.30
AHOS10	smooth 10 mm (3/8", BS: 2000 lb.)	5.30



Chain quick-acting couplers (stainless A4)		
ACC04	4 mm (5/32", max.opn.5.5 mm (1100 lb.))	1.40
ACC05	5 mm (3/16", max.opn.6.5 mm (3000 lb.))	1.70
ACC06	6 mm (1/4", max.opn.7.5 mm (4400 lb.))	2.50
ACC07	7 mm (9/32", max.opn.8.5 mm (5500 lb.))	3.60
ACC08	8 mm (5/16", max.opn.9.5 mm (7300 lb.))	3.90
ACC10	10 mm (3/8", max.opn.12 mm (12100 lb.))	6.90
ACC12	12 mm (1/2", max.opn.14.5 mm (15400 lb.))	10.-



Shackles (stainless A4)		
ASE04	4 mm (5/32", 8x14 mm hole (1200 lb.))	1.60
ASE05	5 mm (3/16", 10x17 mm hole (2000 lb.))	1.80
ASE06	6 mm (1/4", 12x21 mm hole (2900 lb.))	2.10
ASE07	7 mm (9/32", 14x24 mm hole (3900 lb.))	2.40
ASE08	8 mm (5/16", 16x28 mm hole (5300 lb.))	2.60
ASE10	10 mm (3/8", 19x35 mm hole (8400 lb.))	4.90
ASE12	12 mm (1/2", 23x41 mm hole (12200 lb.))	7.-



Swivels (stainless A4)		
ASW01	6 mm (1/4", 12x11 mm hole (2900 lb.))	4.90
ASW02	8 mm (5/16", 16x16 mm hole (5500 lb.))	8.50



B: Attaching

Fixing eyes (stainless)		
AES061	eye - bolt M6 (hole 16, length 11, 1700 lb.)	1.90
AES081	eye - bolt M8 (hole 20, length 13, 3100 lb.)	2.50
AES101	eye - bolt M10 (hole 25, leng. 17, 5000 lb.)	4.80
AES121	eye - bolt M12 (hole 30, leng. 20, 7100 lb.)	5.70
AEN06	eye - nut M6 (hole 16, 1700 lb.)	1.50
AEN08	eye - nut M8 (hole 20, 3100 lb.)	2.20
AEN10	eye - nut M10 (hole 25, 5000 lb.)	3.70
AEN12	eye - nut M12 (hole 30, 7100 lb.)	5.20



Rope winder (aluminium)		
ARW32A	Length 320 mm, for 20-50 m rope	6.30



B: Attaching

Mast clamps Mastrant (stainless steel)		
Parts can be used for both 3 or 4 directional setups.		
Mast clamps (stainless: threads A4, plates A2)		
ACM1306	universal 3 dir., masts Ø 15-53 mm	17.-
ACM1310	universal 3 dir., masts Ø 15-102 mm	18.-
ACM1406	universal 3-4 dir., masts Ø 32-85 mm	23.-
ACM1410	universal 3-4 dir., masts Ø 32-127 mm	24.-



Mast clamps (stainless: threads A4, plates A2)		
ACM230x	light 3 direct., masts Ø 10-34 mm	14.-
ACM240x	light 3-4 dir., masts Ø 26-52 mm	18.-



Mast clamps (galvanised)		
ACL330	3 directional, masts Ø 30-55 mm	9.50
ACL445	4 directional, masts Ø 45-75 mm	12.-



Guy rings (aluminium)		
AGR1*	Outer diameter of the ring 100 mm	5.80
Tube diam. 22, 28, 31, 34, 37, 40, 43 mm (7/8" to 1-11/16")		



Ground peg		
ASGP3A	Ground peg 300 mm aluminium	6.30



C: Terminated guy ropes Mastrant-P & Q

Ready-made guy ropes with a thimble fitted on one end.			
		Length: 20 m	30 m
NP040x0	4 mm (5/32", blue, BS: 500 lb.)	15.-	20.-
NP050x0	5 mm (3/16", blue, BS: 600 lb.)	20.-	26.-
NR050x0	5 mm (3/16", yellow, BS: 600 lb.)	23.-	31.-
NO050x0	5 mm (3/16", refl. orange, BS: 600 lb.)	26.-	36.-
NQ060x0	6 mm (1/4", grey, BS: 800 lb.)	27.-	37.-
NQ080x0	8 mm (5/16", grey, BS: 1870 lb.)	34.-	47.-
NQ110x0	11 mm (7/16", grey, BS: 3060 lb.)	64.-	83.-



