

HVORFOR BRUKE SYNTETISKE BARDUNER?

- IKKE ELEKTRISK LEDENDE
- LAV VEKT
- ENKEL HÅNDTERING
- FORNUFTIG PRIS

HVORFOR MASTRANT?

- LAGET FOR BARDUNERING • UV RESISTENT • HØY STYRKE
- LITE ELASTISK - STREKKER SEG IKKE • VÆRBESTANDIG
- BREDT UTVALG AV TILBEHØR FOR ANTENNEARBEID

HVORDAN?

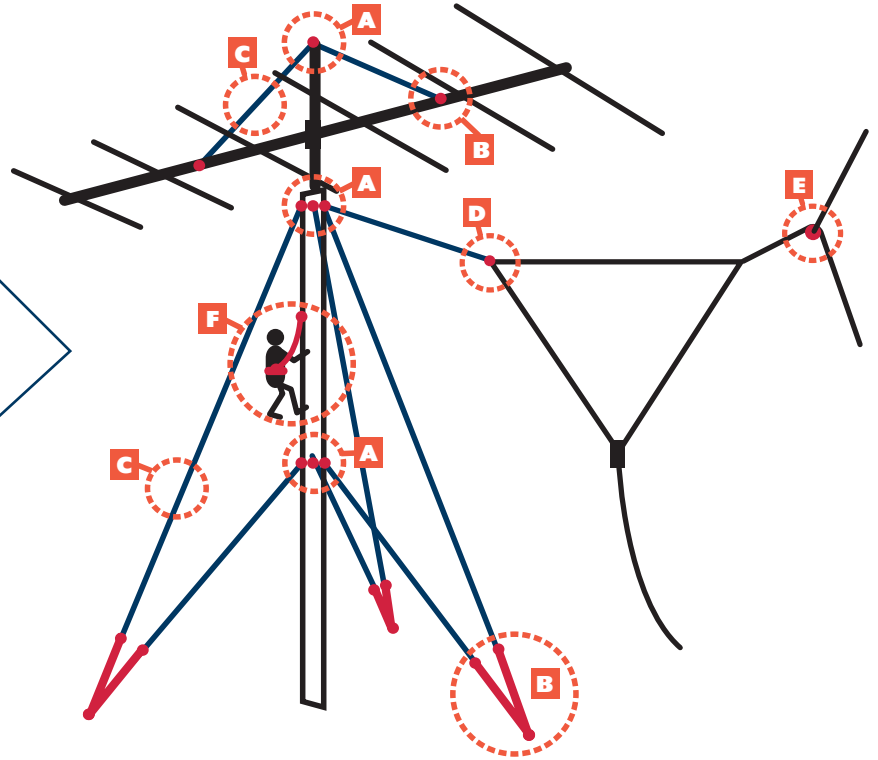
- VELG RIKTIG TAU FOR BARDUNER
- KALKULER LENGDER
- PLANLEGG
- MONTER
- REGELMESSIG KONTROLL



MASTRANT

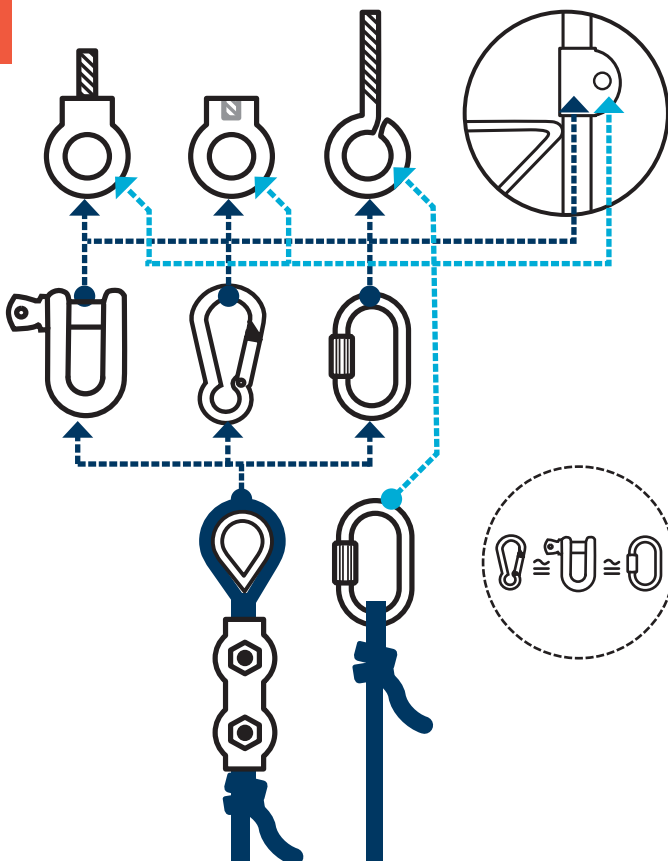
ANTENNA GUYING

DETTE KAN VI TILBY DEG



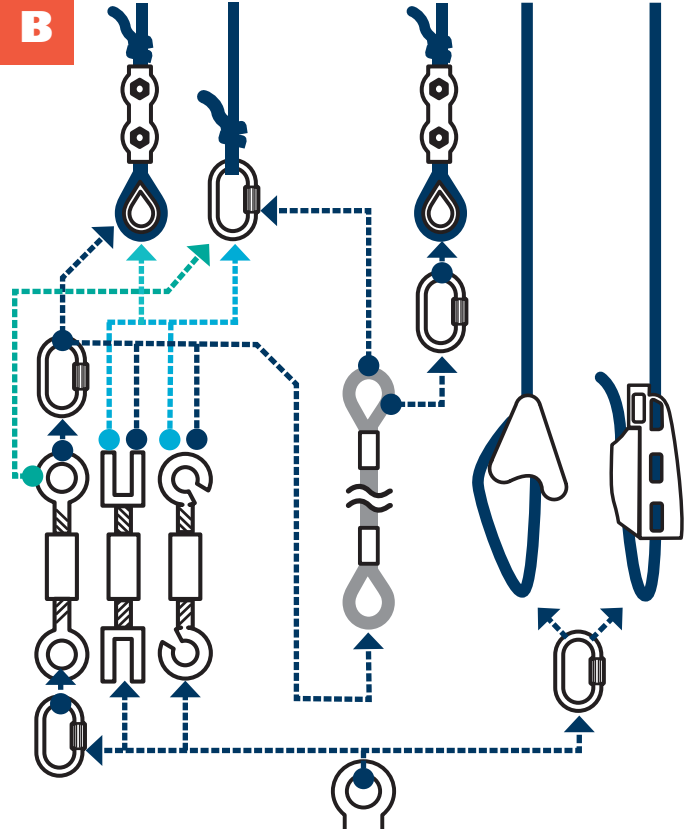
TERMINERINGER OG KOBLINGER

A



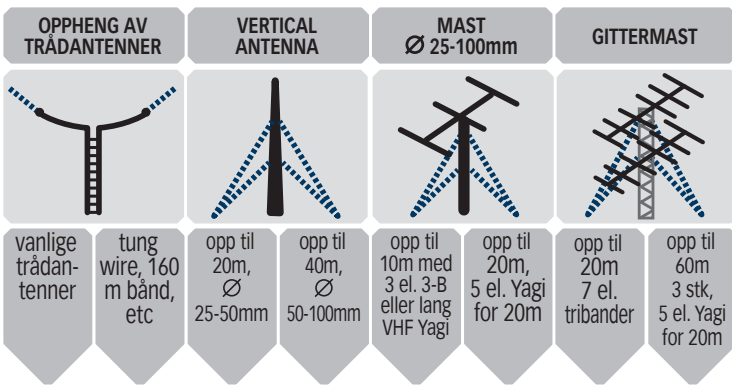
STRAMMING OG MONTERING

B



TYPISKE INSTALLASJONER + ANBEFALTE BARDUNER

C



TYPE BRUK

vanlige trådanntenner
tung wire, 160 m bånd, etc

opp til 20m, Ø 25-50mm
opp til 40m, Ø 50-100mm

opp til 10m med 3 el. 3-B eller lang VHF Yagi
opp til 20m, 5 el. Yagi for 20m

opp til 20m 7 el. tribander
opp til 60m 3 stk, 5 el. Yagi for 20m



Price NOK (incl. VAT)
Longer spools available

Meters
100 31 1



MASTRANT®P **STREKK = FORLENGELSE: 2.4%, KJERNE = POLYESTER, KAPPE = POLYESTER**

Ø	INCH	100m	30m	Price	Weight	SWL	Code
Ø 2	[1/16"]	100	30	165	n/a	2.3	P-2
Ø 3	[1/8"]	200	60	235	80	3.3	P-3
Ø 3+	[9/64"]	300	90	310	110	4.3	P-3+
Ø 4	[5/32"]	440	130	375	125	4.9	P-4
Ø 5	[3/16"]	540	160	530	n/a	6.9	P-5
Ø 6	[1/4"]	850	260	915	n/a	12	P-6
Ø 8	[5/16"]	1300	390	1125	n/a	14	P-8
Ø 10	[3/8"]	1900	570	1455	n/a	18	P-10
Ø 12	[1/2"]	2200	660	1855	n/a	23	P-12
Ø 14	[9/16"]	3200	960	2530	n/a	30	P-14

Ø	Karabin-krok	Sjakkel	Strekkfisk
Ø 2	5	5	6
Ø 3	5	5	6
Ø 3+	6	5	6
Ø 4	6	5	6
Ø 5	6	5	6
Ø 6	8	6	8
Ø 8	10	6	8
Ø 10	HD	7	10
Ø 12	HD	8	12
Ø 14	-	10	14

MASTRANT®R **NY!** **STREKK = FORLENGELSE: 2.4%, KJERNE = POLYESTER, KAPPE = POLYESTER [REFLEKTERENDE FARGE]**

Ø	INCH	100m	30m	Price	Weight	SWL	Code
Ø 3	[1/8"]	200	60	265	n/a	3.7	R-3
Ø 5	[3/16"]	540	160	685	n/a	8.9	R-5

Ø	Karabin-krok	Sjakkel	Strekkfisk
Ø 3	5	5	6
Ø 5	6	5	6

MASTRANT®C **NY!** **STREKK = FORLENGELSE: 2.4%, KJERNE = POLYESTER, KAPPE = POLYESTER [KAMUFLERE]**

Ø	INCH	100m	30m	Price	Weight	SWL	Code
Ø 3+	[9/64"]	300	90	420	155	5.9	C-3+
Ø 6	[1/4"]	850	260	1025	n/a	13	C-6

Ø	Karabin-krok	Sjakkel	Strekkfisk
Ø 3+	6	5	6
Ø 6	8	6	8

MASTRANT®M **EKSTRA STERK** **STREKK = FORLENGELSE: <1.2%, KJERNE = DYNEEMA® DM 20, KAPPE = POLYESTER**

Ø	INCH	100m	30m	Price	Weight	SWL	Code
Ø 1	[3/64"]	100	30	345	n/a	4.1	M-1
Ø 2	[3/32"]	220	70	400	135	4.8	M-2
Ø 3	[1/8"]	390	120	650	215	7.8	M-3
Ø 4	[5/32"]	900	270	1310	n/a	16	M-4
Ø 5	[3/16"]	1200	360	2080	n/a	25	M-5
Ø 6	[1/4"]	1850	560	2620	n/a	31	M-6
Ø 8	[5/16"]	2600	780	3740	n/a	45	M-8
Ø 10	[3/8"]	3850	1160	6380	n/a	77	M-10
Ø 12	[1/2"]	5500	1650	9130	n/a	110	M-12

Ø	Karabin-krok	Sjakkel	Strekkfisk
Ø 1	5	5	6
Ø 2	5	5	6
Ø 3	6	5	6
Ø 4	7	5	6
Ø 5	8	6	8
Ø 6	10	7	10
Ø 8	HD	8	12
Ø 10	-	10	16
Ø 12	-	12	20

* LEVEL = FORBEHOLD: VINDHASTIGHET OPP TIL km/h, AVSTAND TIL ANKRINGSPUNKT FRA BASEN MINST 70% AV HØYDEN. SPØR OM ANDRE SCENARIOER.

DETALJERTE INSTRUKSJONER, NYTTIGE TIPS, TRIKS OG RÅD PÅ NETTSTEDET: WWW.MASTRANT.COM



MASTRANT®P

MASTRANT®R

MASTRANT®C

MASTRANT®M

"PYNT TIL MASTEN DIN"

A: Terminering

Thimbles (stainless A4)

ATH02	2 mm (min.int.diam. 8 mm)	4
ATH03	3 mm (min.int.diam. 10 mm)	5
ATH04	4 mm (min.int.diam. 11 mm)	6
ATH05	5 mm (min.int.diam. 13 mm)	7
ATH06	6 mm (min.int.diam. 14 mm)	8
ATH08	8 mm (min.int.diam. 18 mm)	12
ATH10	10 mm (min.int.diam. 24 mm)	18
ATH12	12 mm (min.int.diam. 30 mm)	21
ATH14	14 mm (min.int.diam. 32 mm)	29



Duplex wire rope clips (stainless A4)

ADC02	2 mm (M4, wrench 7)	14
ADC03	3 mm (M4, wrench 7)	16
ADC04	4 mm (M5, wrench 8)	18
ADC05	5 mm (M5, wrench 8)	26
ADC06	6 mm (M6, wrench 10)	33
ADC08	8 mm (M8, wrench 13)	59
ADC10	10 mm (M10, wrench 17)	108



Fist-grips (galvanised)

APC06	6 mm (5-8 mm, M6)	29
APC08	8 mm (8-10 mm, M6)	41
APC10	10 mm (10-12, M8)	55
APC12	12 mm (12-14, M10)	67
APC16	16 mm (14-18, M12)	100



Wedge sockets (galvanised)

AWC06	wedge socket 5-6.5 mm	156
AWC08	wedge socket 6-8 mm	322
AWC11	wedge socket 9-11 mm	300
AWC14	wedge socket 12-14 mm	499



Bull-dog grips

	S.s.	Galv.
ASC02	2 mm (M3)	16
ASC03	3 mm (M3)	18
ASC04	4 mm (M4)	19
ASC05	5 mm (M5)	21
ASC06	6 mm (M6)	23
ASC08	8 mm (M6)	27
ASC10	10 mm (M8)	40
ASC12	12 mm (M10)	74
ASC13	13 mm (M10, galv. M12)	87



A, B: Koblinger

Spring hooks - Carabiners (stainless A4)

AHO04	4 mm (BS: 230 kg)	16
AHO05	5 mm (BS: 400 kg)	16
AHO06	6 mm (BS: 480 kg)	18
AHO07	7 mm (BS: 600 kg)	29
AHO08	8 mm (BS: 850 kg)	35
AHO10	10 mm (BS: 1150 kg)	60
A7AZ11	for climbing, screw lock (2500 kg)	96
A7AZ11T	for climbing, twist lock (2500 kg)	210



Chain quick-acting couplers (stainless A4)

ACC04	4 mm, max.opn.5.5 mm (500 kg)	18
ACC05	5 mm, max.opn.6.5 mm (1350 kg)	23
ACC06	6 mm, max.opn.7.5 mm (2000 kg)	31
ACC07	7 mm, max.opn.8.5 mm (2500 kg)	40
ACC08	8 mm, max.opn.9.5 mm (3300 kg)	49
ACC10	10 mm, max.opn.12 mm (5500 kg)	83
ACC12	12 mm, max.opn.14.5 mm (7000 kg)	127



Shackles (stainless A4)

ASE04	4 mm, 8x14 mm hole (550 kg)	21
ASE05	5 mm, 10x17 mm hole (900 kg)	23
ASE06	6 mm, 12x21 mm hole (1300 kg)	27
ASE07	7 mm, 14x24 mm hole (1800 kg)	29
ASE08	8 mm, 16x28 mm hole (2400 kg)	33
ASE10	10 mm, 19x35 mm hole (3800 kg)	61
ASE12	12 mm, 23x41 mm hole (5550 kg)	87



Swivels (stainless A4)

ASW01	6 mm, 12x11 mm hole, 1300 kg	60
ASW02	8 mm, 16x16 mm hole, 2500 kg	106



B: Montering

Fixing eyes (stainless A2)

AES061	eye - bolt M6 (hole 16, length 11, 800 kg)	23
AES081	eye - bolt M8 (hole 20, length 13, 1450 kg)	31
AES101	eye - bolt M10 (hole 25, leng. 17, 2300 kg)	57
AES121	eye - bolt M12 (hole 30, leng. 20, 3300 kg)	66
AEN06	eye - nut M6 (hole 16, 800 kg)	19
AEN08	eye - nut M8 (hole 20, 1450 kg)	27
AEN10	eye - nut M10 (hole 25, 2300 kg)	44
AEN12	eye - nut M12 (hole 30, 3300 kg)	53
AEN16	eye - nut M16 (hole 35, 5900 kg)	78
AE0540	bolt with eye M5 (5x40)	11
AE0640	bolt with eye M6 (6x40)	14
AE0860	bolt with eye M8 (8x60)	23
AE1070	bolt with eye M10 (10x70)	36
A7A836	anchoring set 10x100 mm, 3000 kg	134



B: Montering

Mast clamps (stainless: threads A4, plates A2)

ACM1306	universal 3 dir., masts Ø 15-53 mm	197
ACM1310	universal 3 dir., masts Ø 15-102 mm	207
ACM1406	universal 3-4 dir., masts Ø 32-85 mm	263
ACM1410	universal 3-4 dir., masts Ø 32-127 mm	276
ACM2304	light 3 direct., masts Ø 10-34 mm	148
ACM2404	light 3-4 dir., masts Ø 26-52 mm	196



Mast clamps (galvanised)

ACL330	3 directional, masts Ø 30-55 mm	96
ACL445	4 directional, masts Ø 45-75 mm	112



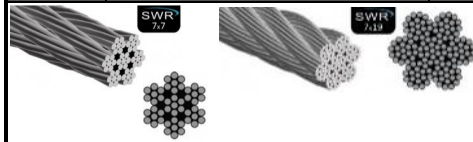
Steel cords with thimble ends (stainless A4) +1 m

ASR206	Ø 2 mm, 6 m (wire ant over tree)	82	6
ASR402	Ø 4 mm, 2 m (stainless 7x7, 9 kN)	91	15
ASR502	Ø 5 mm, 2 m (stainless 7x7, 15 kN)	126	23
ASR602	Ø 6 mm, 2 m (stainless 7x7, 22 kN)	168	29
ASR802	Ø 8 mm, 2 m (stainless 7x19, 33 kN)	253	55



Steel ropes by meter (stainless A4)

ASR1X1	1 mm (stainless 7x7, 550 N)	4
ASR2X1	2 mm (stainless 7x7, 2.2 kN)	6
ASR3X1	3 mm (stainless 7x7, 5.2 kN)	10
ASR4X1	4 mm (stainless 7x7, 9 kN)	15
ASR5X1	5 mm (stainless 7x7, 15 kN)	23
ASR6X1	6 mm (stainless 7x7, 22 kN)	29
ASR8X1	8 mm (stainless 7x19, 33 kN)	55
ASRAX1	10 mm (stainless 7x19, 52 kN)	108



Threaded rods DIN 976 (stainless A4, metrical)

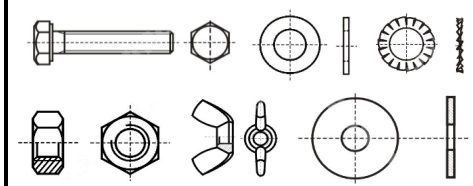
ATR051	M5, length 1 m (3.3 ft.)	68
ATR061	M6, length 1 m (3.3 ft.)	79
ATR081	M8, length 1 m (3.3 ft.)	107
ATR101	M10, length 1 m (3.3 ft.)	168
ATR121	M12, length 1 m (3.3 ft.)	245



Fasteners (stainless A4, metrical)

Assortment of screws, nuts (hex., wing), washers (flat, lock, large)

Sizes M6, M8, M10 and M12.	M6	M8	M10
AFS**2X	hex bolt 20 mm, DIN 933	3	5
AFS**7X	hex bolt 70 mm, DIN 933	6	5
AFS**AX	hex bolt 100/130, DIN 933	6	11
AFB**SX	nut (hex 0.8D) DIN 934	2	3
AFB**SW	nut (wing), DIN 315	6	9
AFW**SX	washer (flat), DIN 125A	2	2
AFW**KX	washer ext.lock, DIN 6798A	2	2
AFW**LL	washer large, DIN 440	3	4



"PYNT TIL MASTEN DIN" PRICES NOK (INCL. VAT)

B: Stramming

Turnbuckles		S.s.	Galv.
ASH*06*	eye-eye (hook) M6	41	21
ASH*08*	eye-eye (hook) M8	66	25
ASH*10*	eye-eye (hook) M10	99	36
ASH*12*	eye-eye (hook) M12	168	48
ASH*16*	eye-eye (hook) M16	354	96
ASH*20*	eye-eye (hook) M20	593	



ASHF05*	jaw-jaw M5 (560 kg)	48	
ASHF06*	jaw-jaw M6 (1400 kg)	62	
ASHF08*	jaw-jaw M8 (2200 kg)	103	48
ASHF10*	jaw-jaw M10 (3450 kg)	168	74
ASHF12*	jaw-jaw M12 (5000 kg)	287	96
ASHF14*	jaw-jaw M14 (6400 kg)	512	
ASHF16*	jaw-jaw M16 (8000 kg)	830	197



Clamcleat® tensioners (UV stabilised)		black	glow
CL266	Line-Lok tensioner 1-3mm	6	8
CL260	Line-Lok tensioner 2-4mm	9	12
CL276	Line-Lok tensioner 3-5mm	18	27
CL271	Line-Lok tensioner 4-8mm	41	79
CL223	Loop Cleat tens. 3-6mm	35	
CL234	Loop Cleat tens. 6-11mm	67	



Clamcleat® tensioners - adjustable (UV stabilised)		
CL828-63	Aero 3-4mm	78
CL828-70AN	Aero 3-4mm (can rig 4:1)	138
CL826-72	Aero 4-6mm	95
CL829-11AN	Aero 4-6mm (hard anodised)	159
CL827-03	Aero 4-6mm long	108
CL827-11AN	Aero 4-6mm long (h.anod.)	168



C: Terminerte Mastrant-P barduner

Kause montert på den ene e.		20 m	30 m
NP040x0	4 mm (5/32"), BS: 220 kg (480 lb)	112	145
NP050x0	5 mm (3/16"), BS: 270 kg (590 lb)	156	212
NP060x0	6 mm (1/4"), BS: 425 kg (940 lb)	245	333
NP080x0	8 mm (5/16"), BS: 650 kg (1430 lb)	300	422
NP100x0	10 mm (3/8"), BS: 950 kg (2090 lb)	388	543
NP120x0	12 mm (1/2"), BS: 1100 kg (2400 lb)		764



Cutting synthetic ropes		
ZCI01	Soldering iron suitable for cutting ropes	101

D: Elastisk tau for stramming

strekker seg 100%, f.eks. for å feste trådantenner til trær		
ER06	Elastic rope 6 mm (10 kg / 22 lb), 1m	9
ER08	Elastic rope 8 mm (25 kg / 55 lb), 1m	15

E: Trinser

Pulleys galvanised		sing.	doub.
APUN05	nylon, 5 mm	17	25
APUN06	nylon, 6 mm	19	29
APUN08	nylon, 8 mm	32	53
APUN10	nylon, 10 mm	49	74
APUO05	anti-tangle metal, 5 mm	21	
APUO06	anti-tangle metal, 6 mm	23	
APUO07	anti-tangle metal, 7 mm	32	
APUO08	anti-tangle metal, 8 mm	53	
APUO10	anti-tangle metal, 10 mm	85	



Pulleys stainless		sing.
APUS10A	up to 10 mm, sheave plastic	73
APUX06S	up to 6 mm, sheave plastic, shackle	55
APUS03A	up to 3 mm, plastic	49
APUX09A	anti-tangle, up to 9 mm, Ø 25 mm	78
APUX10A	anti-tangle, up to 10 mm, Ø 32 mm	89
APUX14A	anti-tangle, up to 14 mm, Ø 50 mm	129



APUS05A	pulley up to 5 mm, sheave plastic	85
APUS05D	pulley up to 5 mm, sh. brass nickeled	105
APUS05G	double up to 5 mm, sheave plastic	118
APUS05J	double up to 5 mm, sh. brass nickeled	145



APUS06M	with metal cheek, up to 6 mm, bow	127
APUS08M	with metal cheek, up to 8 mm, bow	155
APUS10M	with metal cheek, up to 10 mm, bow	169



APUS08Q	HD up to 8 mm (600 kg)	136
APUS08X	HD up to 8 mm, needle bearing	194
APUS10Q	HD up to 10 mm (900 kg)	161
APUS12Q	HD up to 12 mm (1200 kg)	214



APUS08T	anti-tangle HD up to 8 mm	222
APUS10S	anti-tangle HD up to 10 mm	277
APUS12S	anti-tangle HD up to 12 mm	304



APUS06P	HD for wires, up to 6 mm	187
APU820	HD, up to 16 mm (30 kN, aluminum)	422



F: Personlig sikkerhet

Positioning		
A7PB20	Work positioning belt	400



A7L10A	Lanyard LB 10 with adjuster - 1.5m	210
A7T32	Positioning Lanyard PROT 3 - 2m	650
A7T33	Positioning Lanyard PROT 3 - 3m	690



Safety Harnesses		
A7SHBA	Basic, without working belt	410
A7SH2X	LX2, universal, for short-term work	650
A7SH3X	LX3, for professionals, for long-term work	1210
A7SH5X	LX5, for professionals, quick-acting buckles	1540



Energy absorbers, Rope safety systems		
A7EA1	Energy absorber with lanyard and carabiner	430
A7EA2H	Energy absorber with 2 lan. and snap hooks	1100
A7AZ25	Large Snap Hook with lock, opening 88 mm	610



A7FAAB	Safety system Anaconda - brake + absorber	1070
A7FAA2	Safety system Anaconda - rope 20m	650
A7FACB	Safety system Catcher - brake	840
A7FAC2	Safety system Catcher - rope 20m	430



A7FARO	Retractable fall arrester Rolex	870
A7FAPM	Retractable fall arrester Protector Mini	1100



VI ER KLARE TIL Å HJELPE DEG MED ALLE PROSJEKTER. IKKE NØL MED Å SPØRRE OSS PÅ INFO@MASTRANT.COM!

Du kan også designe din bardunering selv, bruk vår online kalkulator som hjelper deg å gjøre beregninger og gir anbefalinger om valg av materialer. Dette sikrer at barduneringen er designet for å være trygg og pålitelig under alle forhold i mange år framover. For mer informasjon, besøk www.mastrant.com (se etter Calculations) eller last ned vår Android applikasjon i Google Play.

WWW.MASTRANT.COM +420 603 420 073, Distributører er listet på nettsiden vår, i Norge HCS electronics, www.hcs.no