

HARDWARE: TRAWL



INDEX

Kelly's Eyes	2
Kelly's Eyes Stoppers	3
Codend Clip	4
Triangles Stainless Steel BMM	5
Triangles Stainless Steel BMM	6
Triangles with Swivels and Links	7
Butterflies & Bobbin Shafts	8
Rockhopper Washers	9
Toggles	10
Splicing Spikes & Fids	11
Thimbles	12
Rigging Screws	13
Wire Rope Clips	14
Knives and Tapes	15
Tapes	15
Netting Needles	16
Punches, Mauls and Spanners	17



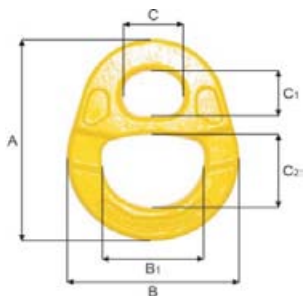
KELLY'S EYES

Kelly's Eyes



Part no.	WLL 05:01	Thickness	A	B	C	D	E	Weight
	ton	mm	mm	mm	mm	mm	mm	kg
E90-25	7.0	25	220	135	75	33	85	2.8
E90-30	12.0	30	300	200	123	43	110	6.5
E90-38	19.0	40	360	235	145	50	135	12.0
E90-40	19.0	40	310	205	123	43	120	9.8

EVR KELLY'S EYE



Part no.	WLL 5:1	Thickness	A	B	B1	C	C1	C2	Weight
	ton	mm	mm	mm	mm	mm	mm	mm	kg
EVR15	15.0	25	185	150	90	52	40	65	2.2
EVR20	20.0	41	225	185	125	80	45	106	5.1

Options of combinations

	EVG03	EVG05	EVG08	EVG10	EVG15	EVG20	EAG04	EAG06
EVR08	X	X	X					
EVR10			X	X				
EVR15					X			
EVR20						X		
EVM100	X	X	X				X	
EVM120			X	X				X
EVM150				X	X			
EVM200						X		

E90-406 KELLY'S EYE

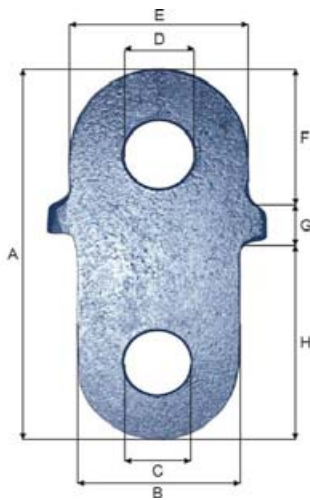


Part no.	WLL 05:01	Thickness	A	B	C	D	E	Weight
	ton	mm	mm	mm	mm	mm	mm	kg
E90-406	12.0	32	270	163	100	38	100	4.4

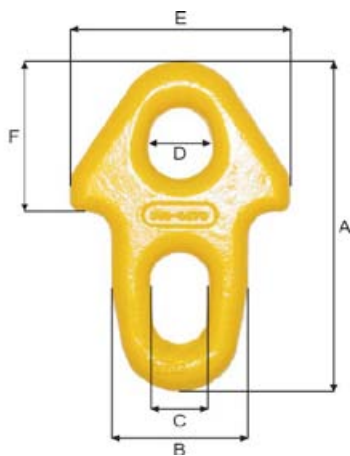


KELLY'S EYES STOPPERS

Kelly's Eyes Stoppers



Part no.	WLL 5:1 tonne	Thickness mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Weight kg
E90-30S	12.0	30	267	114	45	57	154	92	34	141	6.0
E90-40S	19.0	40	267	114	45	57	123	92	40	141	8.5

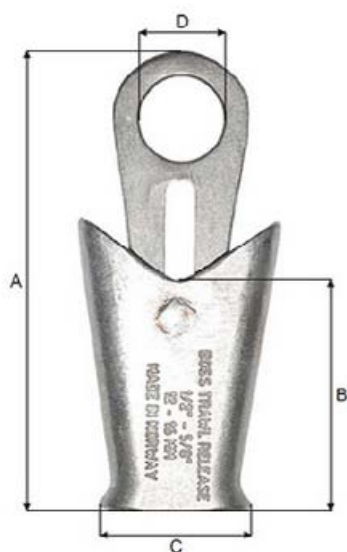


Part no.	WLL 5:1 tonne	Thickness mm	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg
E90-407S	12.0	32	220	88	36	40	140	100	3.3



TRAWL HARDWARE

Codend Clip



Part Number	Type mm	A mm	B mm	C mm	D mm	Weight kg
B-BOSS 07-12	7-12	78	59	29	15	0.4
B-BOSS 12-16	12-16	145	98	55	20	1.6
B-BOSS 16-20	16-20	167	98	65	24	1.9



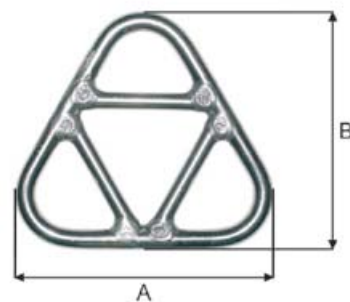
TRAWL HARDWARE

Triangles Stainless Steel BMM



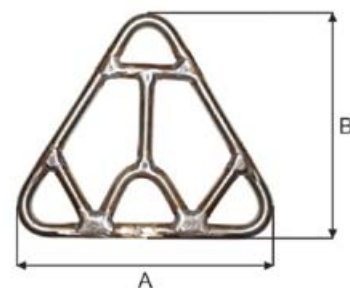
Triangles - Stainless steel

Stock code	ø (mm)	Dimensions (mm)		Weight (kg)
		A	B	
PLATESS	16	270	240	1.5
PLATESS/1M	19	200	200	1.7
PLATESS/1	25	250	250	3.8



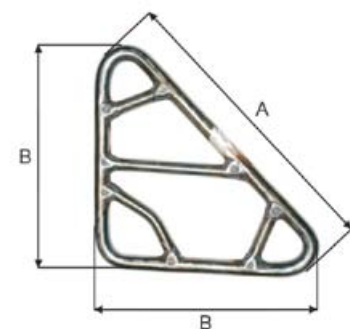
Triangles - Stainless steel

Stock code	ø (mm)	Dimensions (mm)		Weight (kg)
		A	B	
PLATESS/2	25	400	400	7.3



Triangles - Stainless steel

Stock code	ø (mm)	Dimensions (mm)		Weight (kg)
		A	B	
PLATESS/3	30	470	330	9.6
PLATESS/3L	30	660	500	11.8





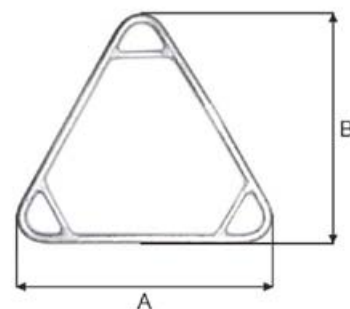
TRAWL HARDWARE

Triangles Stainless Steel BMM



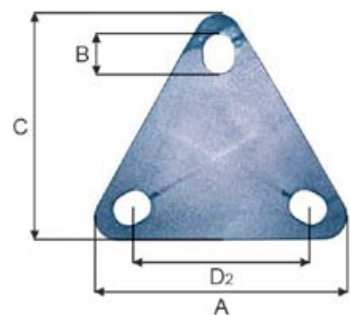
Triangles - Steel - Galvanised

Stock code	ø (mm)	Dimensions (mm)		Weight (kg)
		A	B	
PLATESGV16	16	270	240	1.5
PLATESVG22	22	450	450	4.3



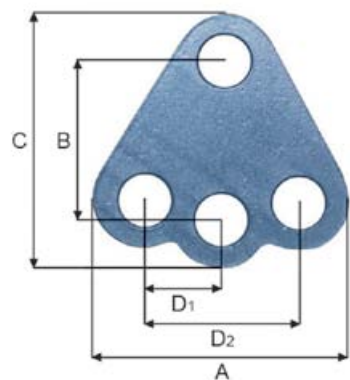
Triangles - Steel - Blue painted

Stock code	Thickness (mm)	Dimensions (mm)					Weight (kg)
		A	B	C	D	D ₂	
PLATESB320	30	320	37x47	280	230	230	12.3
PLATESB455	30	450	37x47	260	250	360	15.8



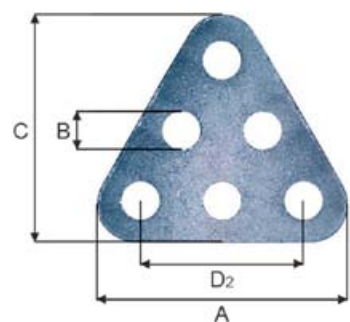
Triangles - Steel - Blue painted

Stock code	Thickness (mm)	Dimensions (mm)					Hole ø (mm)	Weight (kg)
		A	B	C	D ₁	D ₂		
PLATESB20	20	135.0	89.5	165.5	44.5	89.0	35	2.307
PLATESB22	22	202.0	125.5	207.5	60.0	120.0	38	3.996
PLATESB25	25	254.4	162.0	264.0	76.2	152.4	38	7.784
PLATESB30	30	305.0	178.0	305.0	89.0	178.0	51	12.384
PLATESB40	40	351.0	178.0	331.0	99.0	198.0	64	20.222



Triangles - Steel - Blue painted

Stock code	Thickness (mm)	Dimensions (mm)					Weight (kg)
		A	B	C	D	D ₁	
PLATESB60	20	220	28	190	125	130	3.5
PLATESB61	25	280	35	255	185	180	9.0





TRAWL HARDWARE

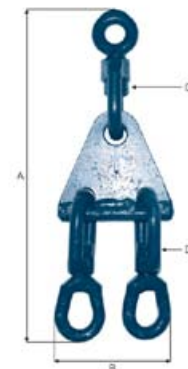
Triangles with Swivels and Links



Triangles with four swivels - Blue painted

Stock code	W.L.L. (ton)	Dimensions (mm)				Plate (mm)	Weight (kg)
		A	B	C	D		
PLATEE4100	2.4	340	100	SWIVEL16/1	SWIVEL12/3	15	2.90
PLATEE4130	3.8	440	130	SWIVEL19/1	SWIVEL19/3	20	5.50

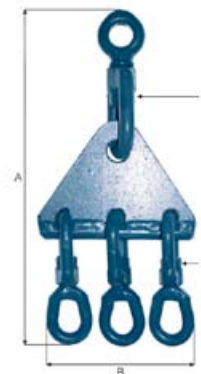
Available with variable numbers of swivels and types.



Triangles with three swivels - Blue painted

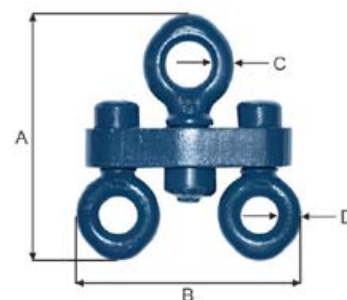
Stock code	W.L.L. (ton)	Dimensions (mm)				Plate (mm)	Weight (kg)
		A	B	C	D		
PLATEE4250/1	5.3	480	250	SWIVEL22/1	SWIVEL19/3	20	9.50
PLATEE4300/1	9.0	570	300	SWIVEL28/1	SWIVEL22/3	25	17.5

Available with variable numbers of swivels and types.



Three eye links - Blue painted

Stock code	W.L.L. (ton)	Dimensions (mm)				Weight (kg)
		A	B	C	D	
PLATEE318	1.0	155	160	16	12	1.50
PLATEE319	3.6	160	155	19	16	2.10
PLATEE320	5.0	195	170	22	19	3.90





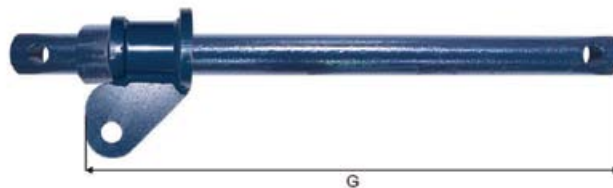
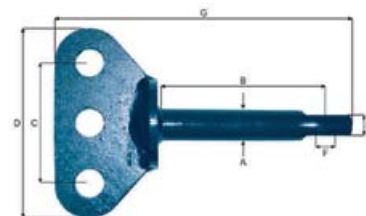
TRAWL HARDWARE

Butterflies & Bobbin Shafts



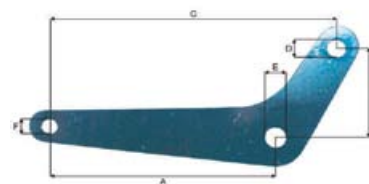
Butterflies - Steel - Blue painted

Stock code	W.L.L. (tons)	Dimensions (mm)							Weight (kg)	For bobbins
		A	B	C	D	E	F	G		
ARMBUTE24	4.2	8	210	140	220	27	24	335	4.3	9"
ARMBUTE25	5.0	45	255	190	270	29	28	425	7.4	12"
ARMBUTE26	5.0	45	275	230	310	29	28	425	7.8	14"
ARMBUTE27	8.5	70	470	270	355	70	34	660	34.0	16"-18"
ARMBUTE29	8.5	70	620	270	370	70	34	970	40.0	21"-24"



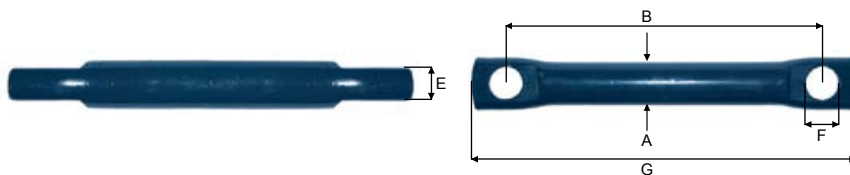
Danleno arm - Steel - Blue painted

Stock code	Thickness (mm)	Dimensions (mm)							Weight (kg)
		A	B	C	D	E	F		
ARMBUT20	20	375	145	470	30	30	30		6.8
ARMBUT25	25	455	230	600	30	39	38		16.5



Pins

Part no.	WLL 5:1 ton	A mm	B mm	E mm	F mm	G mm	Weight kg	For bobbins
E21	4.2	38	240	27	24	300	2.3	9"
E22	4.2	38	270	27	24	330	2.6	12"
E23	5.0	45	270	29	28	335	3.6	-
E23L	8.5	70	720	70	38	820	23.0	-

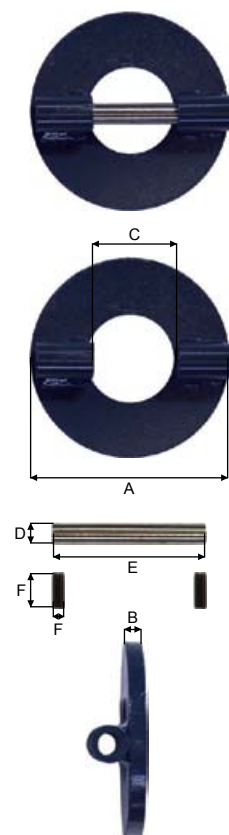




TRAWL HARDWARE

Rockhopper Washers

Part no.	A	B	C	D	E	F	Weight	F/chain
	mm	mm	mm	mm	mm	mm	kg	dia. = mm
MT10	106	10	40	10	83	6x20	0.76	10
MT13	114	10	52	14	88	6x25	1.10	13
MT16	150	12	62	15	117	6x26	1.65	16
MT19/22	200	13	80	20	137	10x32	4.10	22





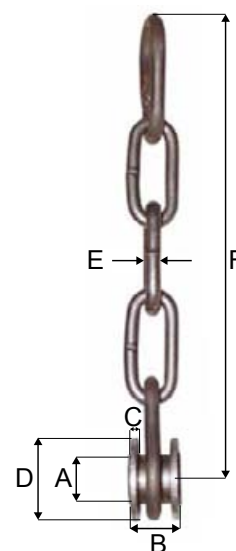
TRAWL HARDWARE

Toggles

- For wire

Part no.	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg/100	For wire dia mm
E318-5	18	26	4	42	8	240	40.0	16
E326-5	26	28	5	57	10	300	92.0	25

Number of links on order, standard 5 links.



Chain toggles (small)

- For chain

Part no.	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg/100	For chain dia mm
E340N-5	40	50	4	70	8	270	80.0	10
E350N-5	50	50	5	83	10	315	180.0	13
E340L-5	40	200	4	70	8	240	150.0	10
E350L-5	50	200	5	83	10	310	290.0	13

Number of links on order, standard 5 links.

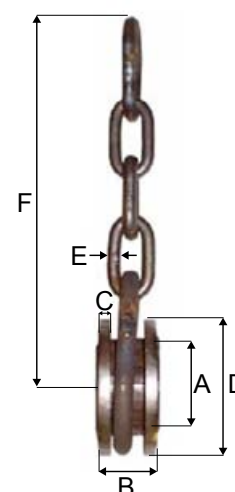


Chain toggles (large)

- Heavy type

Part no.	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg/100	For chain dia mm
E340N-5	40	50	8	80	10	300	140.0	10
E350N-5	50	50	8	120	10	320	255.0	13
E365H-5	65	50	10	120	12	320	330.0	16
E372H-5	72	50	10	150	12	390	400.0	19

Number of links on order, standard 5 links.





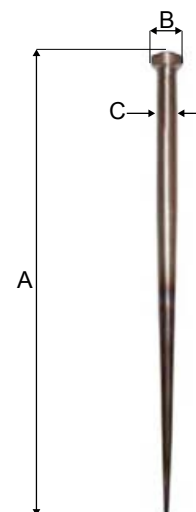
TRAWL HARDWARE

Splicing Spikes & Fids

Marline spikes for wire

Chrome steel • Hardened tip

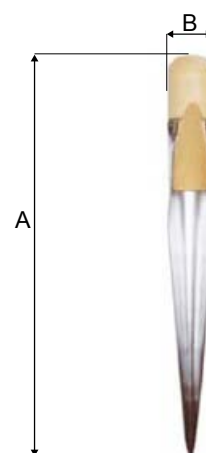
Part no.	A mm	A inch	B mm	C mm	Weight kg	Material
EM260CH	260	10"	28	16	0.24	Chrome steel Hardened tip
EM310CH	310	12"	28	20	0.37	-
EM350CH	350	14"	38	25	0.81	-
EM450CH	450	18"	43	28	1.21	-
EM510CH	510	20"	43	28	1.39	-
EM610CH	610	24"	43	28	1.88	-
EM700CH	700	28"	43	28	2.30	-
EM900CH	900	36"	43	28	3.38	-



Marlin spikes for fiber rope

Stainless steel

Part no.	A mm	B mm	Weight kg	Handle
EM170SS	170	24	0.030	Wood
EM280SS	280	32	0.123	Wood



Marlin spikes for fiber rope (Large)

Stainless steel

Part no.	A mm	B mm	Weight kg	Handle
EM305SS	305	33	0.260	Nylon
EM385SS	385	43	0.460	Nylon



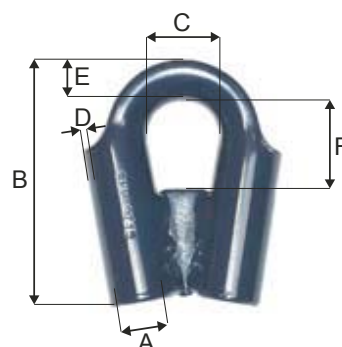


TRAWL HARDWARE

Thimbles

- Blue painted • With gusset

Part no.	A mm	B mm	C mm	D mm	E mm	Weight kg	For wire max. mm
G712	12	84	23	4.0	8	0.21	10
G715	15	95	27	5.0	10	0.40	12
G717	17	100	27	5.0	10	0.48	14
G719	20	112	32	5.0	12	0.60	16
G722	22	125	35	5.0	15	0.71	18
G725	25	150	45	6.3	16	1.21	22
G728	28	157	45	7.0	16	1.60	24
G730	30	170	47	7.0	18	1.91	25
G735	35	190	60	7.0	22	2.36	32
G740	40	212	70	9.0	36	3.46	36
G745	45	228	70	7.0	27	3.54	38
G750	50	255	75	7.0	35	4.20	42
G755	55	268	95	7.0	31	4.80	48
G760	60	270	100	7.0	37	6.10	54



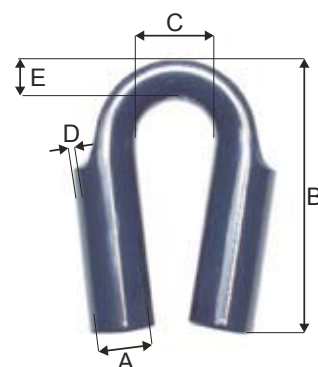
Against extra charge wire thimbles are available with galvanization.

On order add letter **G**, e.g. G712G

Wire thimbles

- Blue painted • Without gusset

Part no.	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg	For wire max. mm
G712K	12	84	23	4.0	8	24	0.36	10
G715K	15	95	27	5.0	10	31	0.52	12
G717K	17	100	27	5.0	10	38	0.55	14
G719K	20	112	32	5.0	12	46	0.65	16
G722K	22	125	35	5.0	15	47	0.90	18
G725K	25	150	45	6.3	16	61	1.26	22
G728K	28	157	45	7.0	16	56	1.64	24
G730K	30	170	47	7.0	18	68	2.02	25
G735K	35	190	60	7.0	22	73	2.50	32
G740K	40	212	70	9.0	36	80	3.70	36
G745K	45	228	70	7.0	27	94	3.71	38
G750K	50	255	75	7.0	35	97	4.65	42
G755K	55	268	80	7.0	31	99	4.90	48
G760K	60	270	100	7.0	37	120	6.10	54



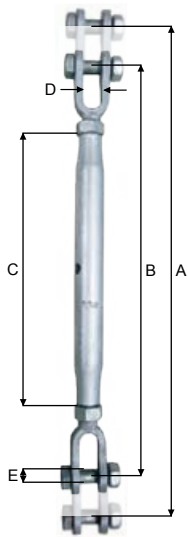
Against extra charge wire thimbles are available with galvanization.

On order add letter **G**, e.g. G712G



TRAWL HARDWARE

Rigging Screws



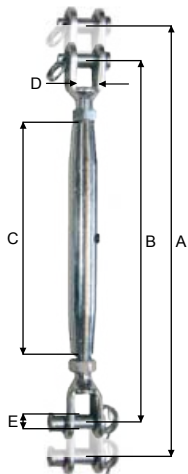
Galvanized

Part no.	Dia.	WLL 5:1 kg	A mm	B mm	C mm	D mm	E mm	Weight kg/100
G220006	M06	200	225	160	100	7	5	10
G220008	M08	320	260	182	110	9	6	18
G220010	M10	500	295	205	125	10	8	28
G220012	M12	700	465	315	195	13	10	66
G220016	M16	1200	550	380	230	17	12	126
G220020	M20	1500	670	460	270	20	16	220
G220022	M22	2200	745	515	295	25	20	308
G220025	M24	3200	820	565	325	28	22	470
G220032	1 1/4"	4800	975	685	370	38	28	830
G220038	1 1/2"	6000	1070	750	400	45	32	1504
G220044	1 3/4"	8500	1070	750	400	48	38	2000
G220050	2"	11000	1145	825	400	56	45	2664

Against extra charge galvanized rigging screws can be supplied with certificate.

Rigging screws

Stainless steel



Part no.	Dia.	WLL 5:1 kg	A mm	B mm	C mm	D mm	E mm	Weight kg/100
G120005	5	180	180	126	80	8	5	5.1
G120006	6	250	200	138	92	8	5	9.0
G120008	8	350	234	158	112	10	6	14.0
G120010	10	700	272	188	120	11	8	24.0
G120012	12	1020	350	244	150	14	12	52.5
G120014	14	1180	387	267	170	14	12	63.5
G120016	16	1600	446	313	190	18	14	100.0
G120020	20	2600	550	390	220	22	19	197.0
G120022	22	3400	653	472	270	30	22	430.0



TRAWL HARDWARE

Wire Rope Clips

DIN 741 TYPE · Galvanized

Part no.	Size	For wire	Weight	Numbers pr. box
		mm	kg/100	pcs
H50-03	1/8"	3.0	0.72	100
H50-05	3/16"	5.0	1.14	100
H50-06	1/4"	6.5	1.40	100
H50-08	5/16"	8.0	2.35	100
H50-10	3/8"	10.0	4.85	20
H50-11	7/16"	11.0	6.15	20
H50-13	1/2"	13.0	10.64	20
H50-14	9/16"	14.0	11.94	20
H50-16	5/8"	16.0	18.27	20
H50-19	3/4"	19.0	22.74	10
H50-22	7/8"	22.0	28.07	10
H50-25	1"	26.0	38.90	10
H50-28	1 1/8"	30.0	62.00	10
H50-32	1 1/4"	34.0	72.00	10
H50-38	1 1/2"	40.0	89.00	10



Wire rope clips

DIN 741 TYPE · Stainless steel

Part no.	Size	For wire	Weight	Numbers in box
		mm	kg/100	pcs
H50-02SS	1/12"	2.0	0.50	100
H50-03SS	1/8"	3.0	0.70	100
H50-04SS	5/32"	4.5	0.90	100
H50-05SS	3/16"	5.0	1.15	100
H50-06SS	1/4"	6.0	1.40	100
H50-08SS	5/16"	8.0	2.35	100
H50-10SS	3/8"	10.0	4.85	50
H50-12SS	1/2"	12.0	9.70	50
H5016SS	5/8"	16.0	18.30	20
H50-20SS	3/4"	20.0	37.00	20





TRAWL HARDWARE

Knives and Tapes



Tapes

Part no.	Width	Meters pr. roll	Weight pr. pack	Numbers pr. pack	Colour
	mm	m	gr	pcs	
TAP15BL	15	10	0.35	10	Blue
TAP15RØ	15	10	0.35	10	Red
TAP15GU	15	10	0.35	10	Yellow
TAP15SO	15	10	0.35	10	Black
TAP19BL	19	20	0.75	10	Blue
TAP19RØ	19	20	0.75	10	Red
TAP19GU	19	20	0.75	10	Yellow
TAP19SO	19	20	0.75	10	Black

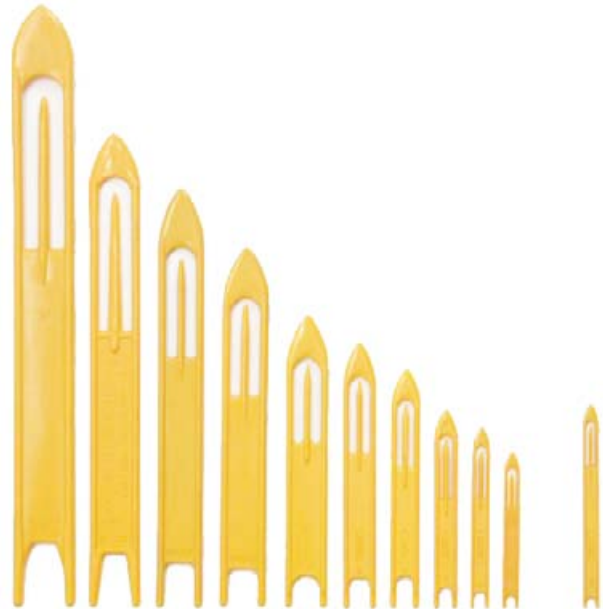




TRAWL HARDWARE

Netting Needles

Part Number	Size (Length)
SFNMN05	5.1" (130mm)
SFNMN06	5.9" (150mm)
SFNMN07	6.5" (165mm)
SFNMN08	7.9" (200mm)
SFNMN09	8.7" (220mm)
SFNMN10	9.6" (245mm)
SFNMN12	11.8" (300mm)
SFNMN14	13.8" (350mm)
SFNMN16	15.3" (390mm)
SFNMN20	19.7" (500mm)
SFNMNNS	6.7" (170mm)



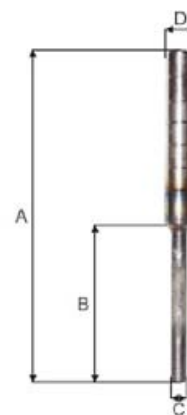


TRAWL HARDWARE

Punches, Mauls and Spanners

PUNCHES

Part no.	A	B	C	D	Weight	For connector
	m	m	m	m	kg/100	
E600-05	175	50	5	22	0,33	7
E600-07	190	70	7	22	0,36	10
E600-09	210	85	9	22	0,41	13
E600-11	220	100	11	22	0,45	16
E600-13	240	115	13	22	0,50	19
E600-15	250	125	15	22	0,55	22
E600-17	265	140	17	22	0,65	26



HAMMERS

Part no.	Length	Weight without handle
	mm	kg
HMK1	260	1,0
HMK2	300	1,5
HMK5	800	5,0



CROCODILE SPANNERS

PRODUCT CODE	PRODUCT DESCRIPTION	LENGTH
SPANCROCS	SPANNER CROCODILE SMALL	300mm/12 inches
SPANCROCM	SPANNER CROCODILE MEDIUM	380mm/15 inches
SPANCROCL	SPANNER CROCODILE LARGE	480mm/19 inches
SPANCROCXL	SPANNER CROCODILE EXTRA LARGE	690mm/27 inches

