

Maintenance & Modifications

Quick guide for selection, sizing and ordering of EIT & HVAC support systems



Reduce MMO costs with >30%



Flexible cold
work solutions



Quick and Easy
On-site modifications



Light weight
support system



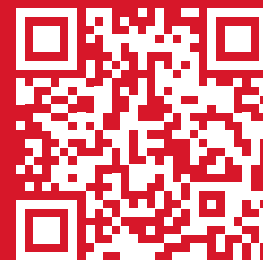
Reduce deferment
& installation cost

We Support You!

This is your tool for selection, sizing and ordering of EI&T support systems used in offshore maintenance and modification work.

By following the step-by-step guide you can reduce your MMO costs with >30%.

Full product overview is found at www.oglaend-system.com/selector



www.oglaend-system.com/selector

STEP-BY-STEP GUIDE

TO REDUCING PROJECT COSTS WITH >30%



ENGINEERING

- Identify total load (cables, tubing, HVAC and more).
- Define starter points, then select support system.
- Select parts for cable ladders/ cable trays/HVAC support.
- All our systems for EI&T are pre-engineered. Calculations and documentation are completed by using Mekano® loading table below.



PURCHASE

- Order using the procedure described at the back of the brochure or produce a MTO/ BOM through company purchase procedures.
- Call us for support - we have done this since 1977.

Phone: (+47) 51 78 81 00

E-mail: order@oglaend-system.com



INSTALLATION

- Lift cables by using lifting straps.
- Re-use or install new startes.
- Install the support typicals.
- Install the cable ladder, cable tray and HVAC.
- Redline original or project drawings.
- Ready for as-built of DFO.

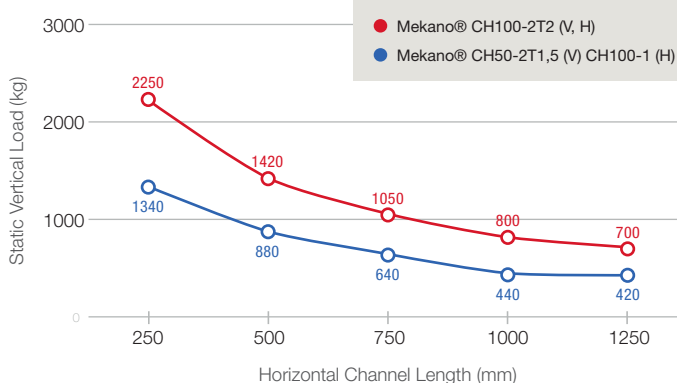
INSTALLATION GUIDELINES FOR SUPPORT SYSTEM

Our systems are **pre-engineered**. The need for further calculations in PMO projects will in most cases be unnecessary.

- System segregation distance: 0.3 m
- Distance between supports: Ladder < 5 m, Tray < 3 m
- Maximum distance to bend or raiser: 0.6 m
- Spare 20% capacity for future modifications
- Fill all slots at connection points with bolts (minimum two bolts per connection point)

Mekano® Loading Table

U-support: vertical channel length 1000 mm
Deflection allowance: L/200



Mekano® Support System

Compared to UNO,
the Mekano®-system is

43% More cost effective

22% Quicker to install

30% Lighter

22% Stronger

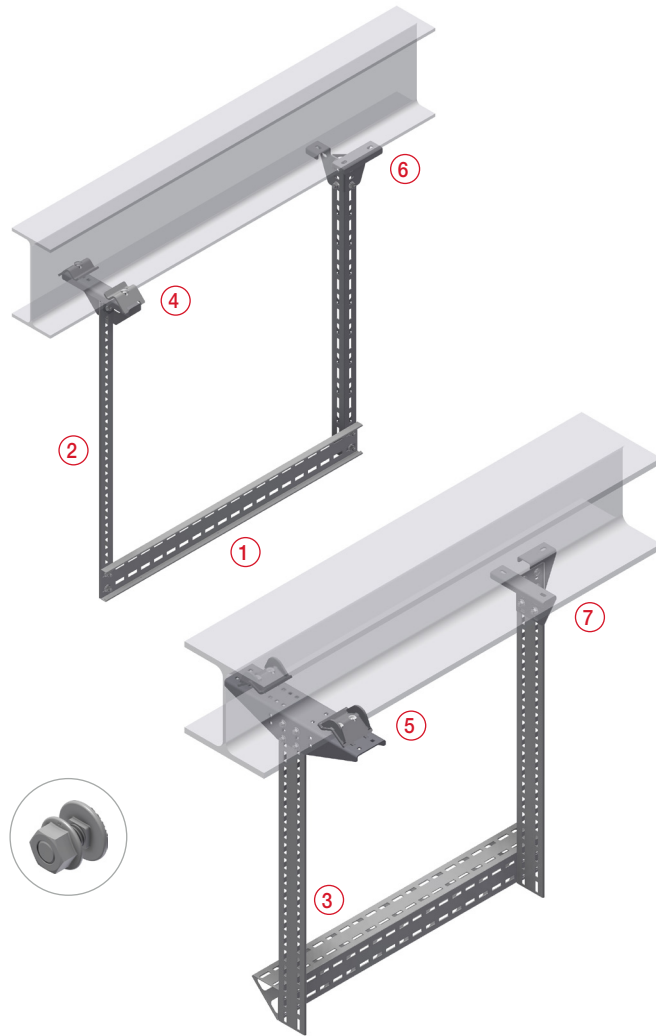
MEKANO® CHANNELS

Type	Art. no. SS	Weight (kg)
① CH100-1	1371685	5.1
② CH50-2T1.5	1372181	4.2
③ CH100-2T2	1372184	11.5

Length = 3000 mm.

FASTENERS

Type	Art. no.	Qty/ pack
M6x12	1371981	200
M6x16	1306886	100
M6x20	1371982	100
M10x20	1371983	100
M10x25	1371437	100



H-BEAMCLAMP 50

Type	Art. no. SS	Weight (kg)
Fixing Clamps	85197	0.4
④ Beam Clamp	85622*	1.2
④ Beam Clamp	85624**	1.7

For flange thickness up to 14 mm.

* Flange width 88-160 mm.

Must be used with fixing clamps.

** Flange with 102-300 mm.

Must be used with fixing clamps.

H-BEAMCLAMP 100

Type	Art. no. SS	Weight (kg)
Fixing Clamps	1372491	3.0
⑤ Beam Clamp	1372495*	3.5
Angle Bracket	1372497	0.1

For flange width 100-350 mm and up to 30 mm thick. Angle brackets can be used to reinforce connectors.

* Must be used with fixing clamps.

BOLTED L-BRACKET

Type	Art. no. SS	Weight (kg)
⑥ Boltet Starter	1306907*	0.7
⑦ Boltet Starter	1306908**	1.3

* For Mekano® CH 50-2T1.5

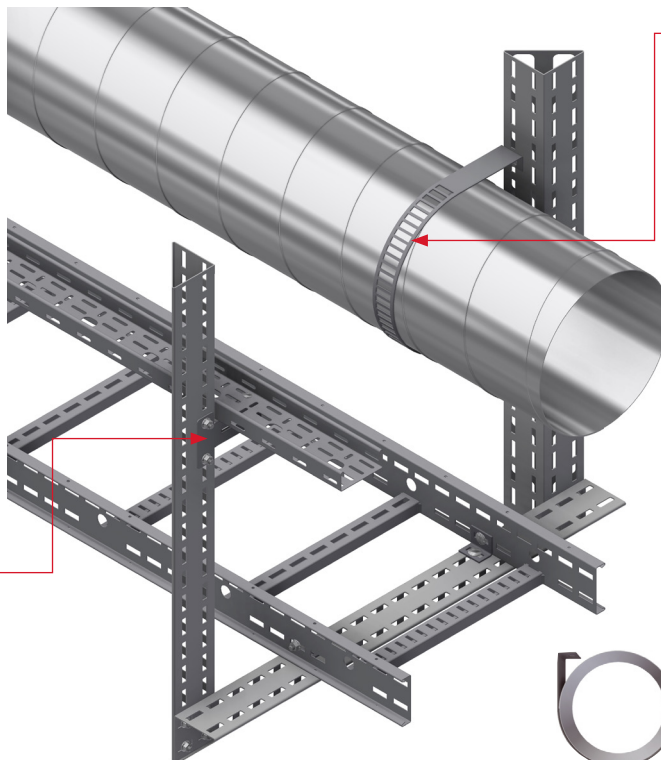
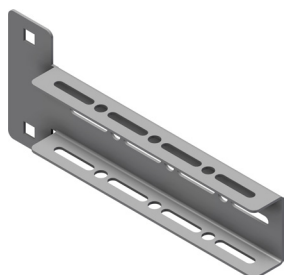
** For Mekano® CH 100-2T2

HVAC & Cantilever

CANTILIVER ARM

Width (mm)	Art. no. SS	Weight (kg)
100	1300055	0.3
150	1300056	0.3
200	1300057	0.4
300	1300058	0.7
400	1300059	0.8

Width (mm) denotes the size of cable tray the cantilever arm is intended for.



HVAC CLAMP

Diameter (mm)	Art. no. SS	Weight (kg)
80	87984	0.25
100	87985	0.28
125	87613	0.30
160	87614	0.30
180	87615	0.30
200	87616	0.30
230	87617	0.40
250	87618	0.40
315	87619	0.50
400	87620	0.60
500	87621	1.00
600	87622	1.10
630	87877	1.20
800	87623	1.50
900	87988	1.80
1000	87989	2.00
1250	87990	3.40

OE100 Cable Ladder System

CABLE LADDER		
Width (mm)	Art. no. SS	Weight (kg)
150	1371606	12.2
300	1371607	13.8
450	1371608	15.5
600	1371609	17.2
750	1371610	18.8
900	1371611	20.4
Length = 3 m, also available in 6 m.		

FLAT ELBOW 90°		
Width (mm)	Art. no. SS	Weight (kg)
150	1384036	5.2
300	1384037	6.7
450	1384038	8.2
600	1384039	9.6
750	1384040	11.0
900	1384041	12.4
Radius = 600 mm, 4 x M10 fastener(s) included.		

FLEXI RISER		
Width (mm)	Art. no. SS	Weight (kg)
150	1371636	2.6
300	1371637	2.7
450	1371638	2.8
600	1371639	2.9
750	1371640	3.1
900	1371641	3.2
Any required angle from 0-90°. 8 x M10 fastener(s) included.		

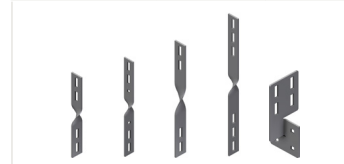
FLEXI RISER PART		
Width (mm)	Art. no. SS	Weight (kg)
150	1371642	1.5
300	1371643	1.6
450	1371644	1.7
600	1371645	1.8
750	1371646	2.0
900	1371647	2.3
Any required angle from 0-90°.		

FLAT ELBOW 45°		
Width (mm)	Art. no. SS	Weight (kg)
150	1384012	2.7
300	1384013	3.5
450	1384014	4.2
600	1384015	4.9
750	1384016	5.6
900	1384017	6.4
Radius = 600 mm, 4 x M10 fastener(s) included.		

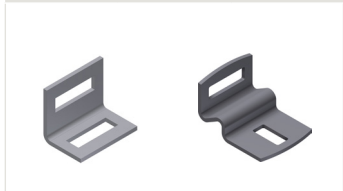
DIVIDER		
Type	Art. no. SS	Weight (kg)
Straight	1372003	3.9
Flexi Riser	1372021*	0.5
Flat Elbow	1372009	3.7
Fastener(s) included. *Made to fit both inside and outside risers.		

SPLICE CONNECTOR		
Type	Art. no. SS	Weight (kg)
Standard	1371681	0.3
4 x M10 fastener(s) included. Splice with notches.		

BRACKETS		
Type	Art. no. SS	Weight (kg)
SC-TW 40/290	1371702*	0.4
SC-TW 40/375	87828	0.5
SC-TW 40/390	1372626*	-
SC-TW 40/490	84171*	0.7
SC-TW 90/213	1371700*	0.5
*M10 fastener(s) included.		



FIXING CLAMPS		
Type	Art. no. SS	Weight (kg)
Standard	1306889	0.08
Outside	60900	0.09
2 x M10 fastener(s) included.		

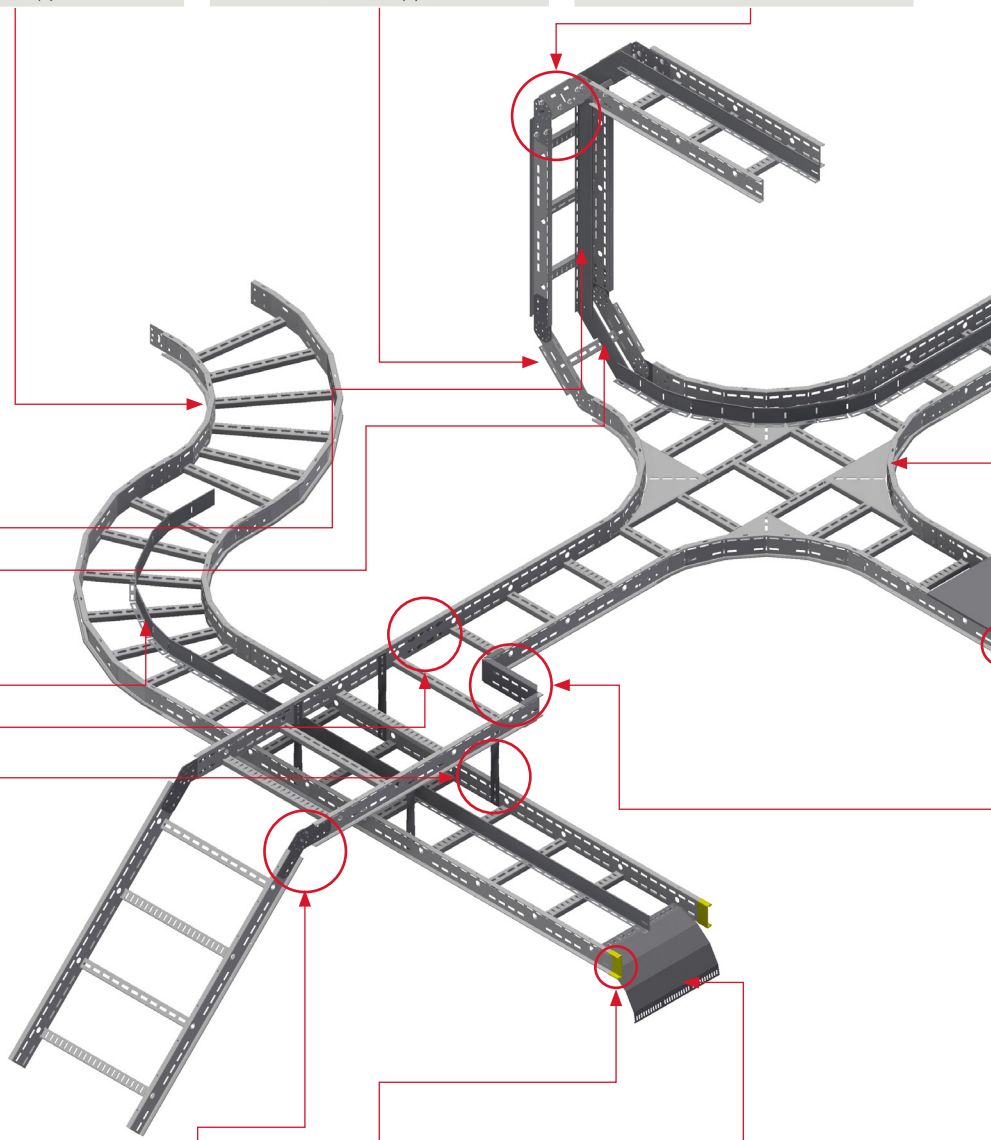


END PROTECTOR	
Yellow Plastic	1306893

HINGE		
Type	Art. no. SS	Weight (kg)
Vertical*	1371679	0.7
Horizontal	1371680	0.6
4 x M10 fastener(s) included. *Adjust in steps of 4°.		

EXIT PLATE		
Type	Art. no. SS	Weight (kg)
Standard	1371723	0.7
2 x M10 fastener(s) included.		

COVER CLAMP		
Type	Art. no. SS	Weight (kg)
Standard	1302531	0.1
Ventilated	89062	0.1
Fastener(s) included.		

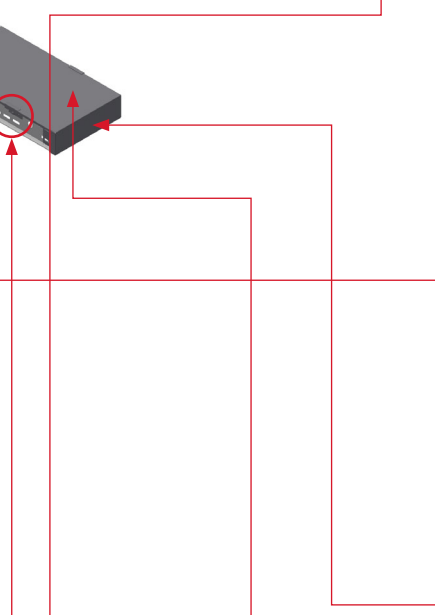
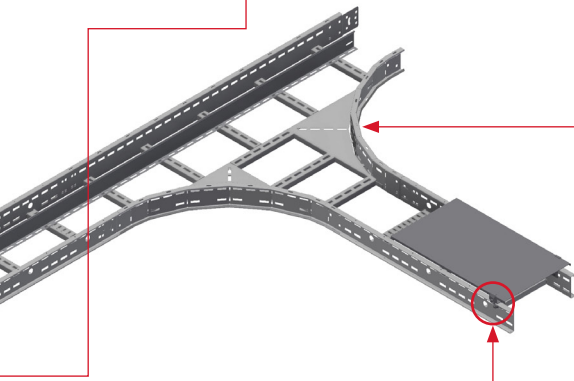


CROSS PIECE

Width (mm)	Art. no. SS	Weight (kg)
150	1384720	15.0
300	1384721	16.6
450	1384722	18.9
600	1384723	20.9
750	1384724	23.7
900	1384725	25.9
Radius = 600 mm, 8 x M10 fastener(s) included.		

TEE PIECE

Width (mm)	Art. no. SS	Weight (kg)
150	1384288	10.3
300	1384301	11.8
450	1384314	13.9
600	1384327	15.6
750	1384340	18.2
900	1384353	20.1
Radius = 600 mm, 6 x M10 fastener(s) included.		



REDUCER PART

Width (mm)	Art. no. SS	Weight (kg)
150	1371656	0.8
300	1371657	1.2
450	1371658	1.5
600	1371659	1.8
750	1371660	2.1
4 x M10 fastener(s) included.		

COVER

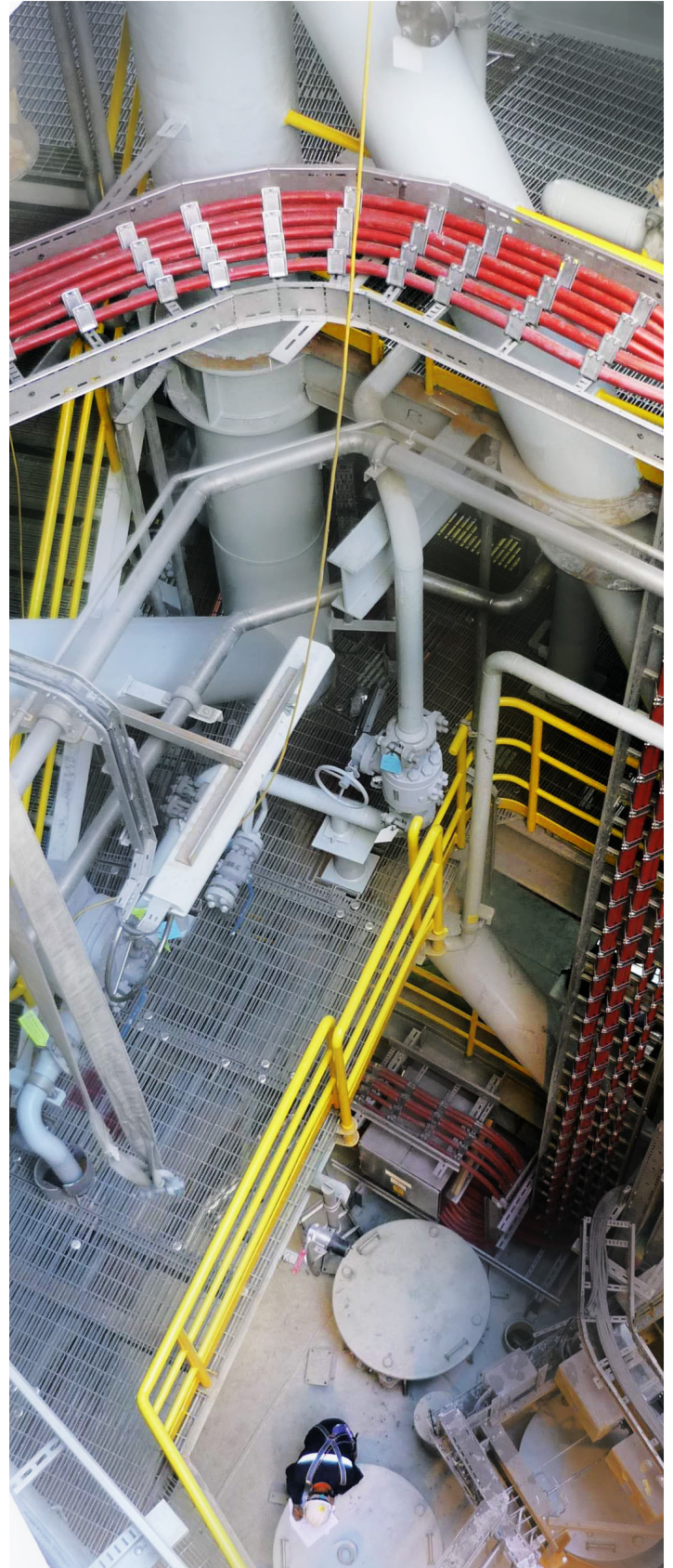
Width (mm)	Art. no. SS	Weight (kg)
150	1302543	7.9
300	1302544	13.2
450	1302545	18.7
600*	1302546	12.2
750*	1302547	14.8
900*	1302548	17.0

Length = 3 m and *1,5 m.
Cover for 45°/90° bend, Tee- and
Cross-pieces on request.

END COVER

Width (mm)	Art. no. SS	Weight (kg)
150	60009	0.6
300	60010	0.9
450	60011	1.2
600	60012	1.5
750	60013	1.8
900	60014	2.1

Provides a tidy end point on the cable
ladder run. Fastener(s) not included.



This poster shows the main/most used parts of the OE100 System.
For a full overview of the OE System view our products online:
www.oglaend-system.com/selector

Certificates, please contact us for exact application:



SPB-RF40 Cable Tray System

CABLE TRAY		
Width (mm)	Art. no. SS	Weight (kg)
50	1371751	5.3
100	1371752	6.4
150	1371753	7.8
200	1371754	9.2
300	1371755	13.7
400	1371756	17.0
500	1371757	20.5
600	1371758	23.4

Length = 3 m. Material thickness = 1,5 mm (2 mm also available).

FLAT ELBOW 45°		
Width (mm)	Art. no. SS	Weight (kg)
50	1371766	0.3
100	1371767	0.4
150	1371768	0.6
200	1371769	0.8
300	1371770	1.3
400	1371771	1.9
500	-	-
600	-	-

Radius = 75 mm, 4 x M6x12 fastener(s) included.

FLAT ELBOW 90°		
Width (mm)	Art. no. SS	Weight (kg)
50	1371760	0.4
100	1371761	0.7
150	1371762	1.0
200	1371763	1.3
300	1371764	2.2
400	1371765	3.2
500	79036	4.5
600	79037	5.9

Radius = 75 mm, 4 x M6x12 fastener(s) included.

ELBOW FLEXI 0°-90°		
Width (mm)	Art. no. SS	Weight (kg)
50	60269	0.4
100	60271	0.6
150	60272	0.8
200	60273	1.2
300	60274	2.0
400	60275	3.2
500	60276	4.6
600	60277	6.4

Any required angle from 0 to 90°, 8 x M6x12 fastener(s) included.

TEE PIECE		
Width (mm)	Art. no. SS	Weight (kg)
50	1371785	0.6
100	1371786	0.9
150	1371787	1.4
200	1371788	1.8
300	1371789	2.9
400	1371790	4.2
500	1302073	5.7
600	1302074	7.2

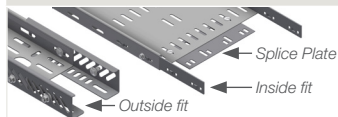
Radius = 75 mm, 6 x M6x12 fastener(s) included.

CROSS PIECE		
Width (mm)	Art. no. SS	Weight (kg)
50	1302628	1.0
100	1302629	1.3
150	1302630	1.6
200	1302631	2.0
300	1302632	2.6
400	1302633	4.0
500	-	-
600	-	-

Radius = 75 mm, 8 x M6x12 fastener(s) included.

SPLICE CONNECTOR		
Type	Art. no. SS	Weight (kg)
Inside fit	1371808	0.2
Outside fit	77516	0.2
Splice Plate	1371813	0.2

M6x12 fastener(s) included. Recommended to use splice plate for tray widths above 300 mm.



Z-REDUCER		
Width (mm)	Art. no. SS	Weight (kg)
50	86133	0.1
100	86134	0.1
150	86136	0.2
200	86135	0.2
250	86148	0.3
300	86137	0.3

Splice connector must be used on the opposite side of the reducer.

DIVIDER		
Type	Art. no. SS	Weight (kg)
SPB DI-38	88077	

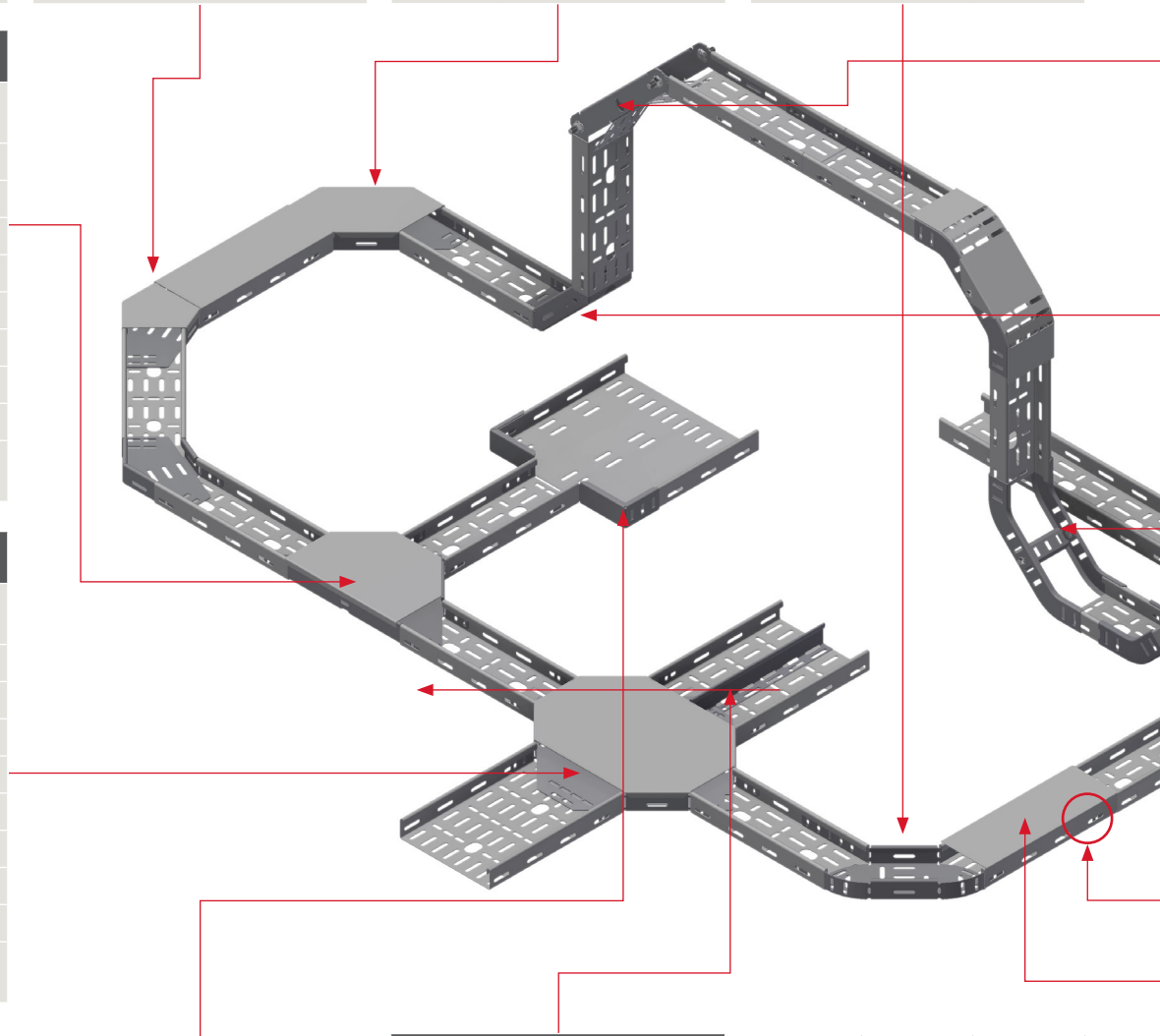
Fastener(s) included. Length = 3 m.

HINGE		
Type	Art. no. SS	Weight (kg)
Horizontal	1371811	0.2
Vertical	1371814	0.1

M6x12 fastener(s) included.

TAGPLATE		
Type	Art. no. SS	Weight (kg)
① TAG14	1302588	0.2
② TAG12	1302163	0.1

2 x M6x12 fastener(s) included.



STANDARD FLEXI RISER

Width (mm)	Art. no. SS	Weight (kg)
50	1371775	0.4
100	1371776	0.5
150	1371777	0.7
200	1371778	0.8
300	1371779	1.1
400	1371780	1.5
500	1371781	1.8
600	1371782	2.1

Radius = 75 mm, flexible inside/outside riser 0-90°. Bent by hand.

MODULAR FLEXI RISER

Width (mm)	Art. no. SS	Weight (kg)
50	60119	0.9
100	60121	1.0
150	60122	1.2
200	60123	1.3
300	60124	1.6
400	60125	1.9
500	60126	2.2
600	60127	2.5

Radius = 175 mm. Flexible inside and outside riser. Can be expanded with multiple joints.

COMBI RISER

Width (mm)	Art. no. SS	Weight (kg)
50	1302139	0.4
100	1302140	0.4
150	1302141	0.5
200	1302142	0.5
300	1302143	0.5
400	1302144	0.6
500	1302145	0.6
600	1302146	0.6

Inside/outside riser in 90° or 2 x 45°. 6 x M6x12 fastener(s) included.

COVER CLAMP

Type	Art. no. SS	Weight (kg)
Standard	1372670*	0.02
Ventilated	70001	0.06

M6x12 fastener(s) included.
*Use 4 clamps per 3 m cover.

END CAP

Width (mm)	Art. no. SS	Weight (kg)
50	1300732	0.1
100	1300733	0.2
150	1300734	0.2
200	1300735	0.2
300	1300736	0.3
400	1300737	0.4
500	1300738	0.5
600	1300739	0.6

2 x M6x12 fastener(s) included.

COVER

Width (mm)	Art. no. SS	Weight (kg)
50	1302603	1.8
100	1302604	3.0
150	1302605	4.2
200	1302606	8.2
300	1302607	11.8
400	1302608	15.4
500	1302609	19.0
600	1302610	22.6

Length = 3 m. Cover for Flat Elbows, Tee-and Cross-pieces on request.



This poster shows the main/most used parts of the SPB-RF40 System. For a full overview of the SPB System view our products online: www.oglaend-system.com/selector

Certificates, please contact us for exact application:



SPB-RF75 Cable Tray System

CABLE TRAY		
Width (mm)	Art.no. SS	Weight (kg)
100	85242	
150	85243	
200	85244	
300	85245	
400	85228	
500	85229	
600	85230	
Length = 3 m. Material thickness = 1,5 mm (2 mm also available).		

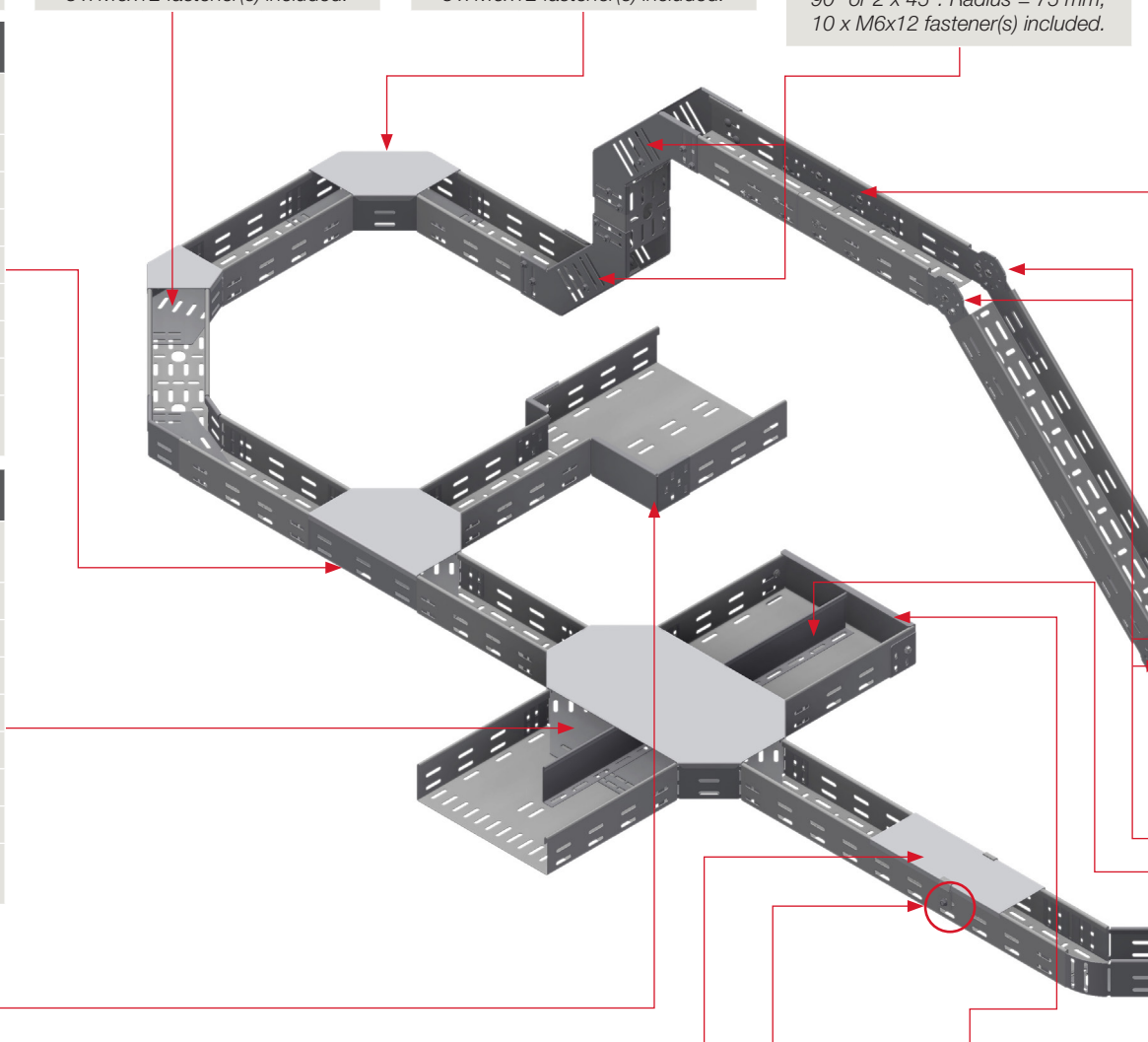
FLAT ELBOW 45°		
Width (mm)	Art.no. SS	Weight (kg)
100	106447	
150	106448	
200	106449	
300	106450	
400	106451	
500	106452	
600	106453	
Radius = 75 mm, 8 x M6x12 fastener(s) included.		

FLAT ELBOW 90°		
Width (mm)	Art.no. SS	Weight (kg)
100	85257	
150	85258	
200	85259	
300	85260	
400	106435	
500	106436	
600	106437	
Radius = 75 mm, 8 x M6x12 fastener(s) included.		

COMBI RISER		
Width (mm)	Art.no. SS	Weight (kg)
100	85284	
150	85285	
200	85286	
300	85287	
400	107125	
500	107126	
600	107127	
Inside and outside riser in 90° or 2 x 45°. Radius = 75 mm, 10 x M6x12 fastener(s) included.		

TEE-PIECE		
Width (mm)	Art.no. SS	Weight (kg)
100	85267	
150	85268	
200	85269	
300	85270	
400	106469	
500	106470	
600	106471	
Radius = 75 mm, 12 x M6x12 fastener(s) included.		

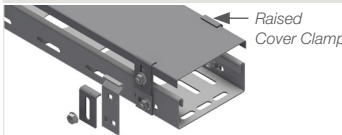
CROSS PIECE		
Width (mm)	Art.no. SS	Weight (kg)
100	106479	
150	106480	
200	106481	
300	106482	
400	106483	
500	106484	
600	106485	
Radius = 75 mm, 16 x M6x12 fastener(s) included.		



Z-REDUCER		
Width (mm)	Art.no. SS	Weight (kg)
50	108911	
100	108912	
150	108913	
200	108914	
300	108915	
Splice connector for opposite side are not included. 4 x M6x12 fastener(s) included.		

COVER		
Width (mm)	Art.no. SS	Weight (kg)
100	1302604	
150	1302605	
200	1302606	
300	1302607	
400	1302608	
500	1302609	
600	1302610	
Length = 3 m, Cover for 45°/90° bend, Tee- and Cross-pieces on request.		

COVER CLAMP		
Width (mm)	Art.no. SS	Weight (kg)
Cover Clamp	79613	
Raised Cover Clamp	70222	
Use 4 clamps per 3 m cover, M6x12 fastener(s) included.		

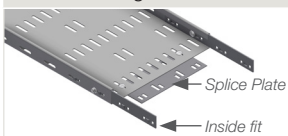


END CAP		
Width (mm)	Art.no. SS	Weight (kg)
100	54738	
150	54739	
200	54740	
300	54741	
400	54742	
500	54743	
600	54744	
4 x M6x12 fastener(s) included.		

SPLICE CONNECTOR

Width (mm)	Art.no. SS	Weight (kg)
Inside fit	85247*	
Splice Plate	1371813	

*Recommended to use splice plate for tray widths above 300 mm, M6x12 fastener(s) included.
Height = 65 mm.



STANDARD FLEXI RISER

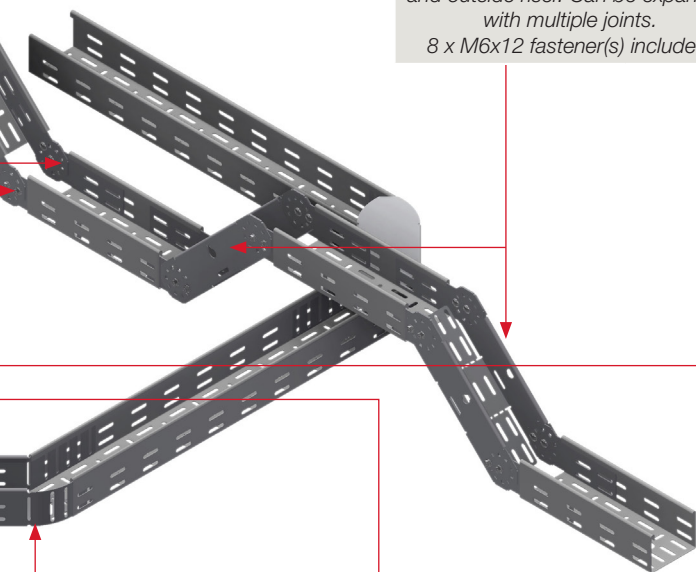
Width (mm)	Art.no. SS	Weight (kg)
100	86630	
150	86631	
200	86632	
300	86633	
400	86634	
500	86635	
600	86636	

*Radius = 75 mm, flexible inside and outside riser. Bending by hand.
10 x M6x12 fastener(s) included.*

MODULAR FLEXI RISER

Width (mm)	Art.no. SS	Weight (kg)
100	60146	
150	60147	
200	60148	
300	60149	
400	60150	
500	60151	
600	60152	

*Radius = 175 mm, flexible inside and outside riser. Can be expanded with multiple joints.
8 x M6x12 fastener(s) included.*



ELBOW FLEXI 0°-90°

Width (mm)	Art.no. SS	Weight (kg)
100	58898	
150	58899	
200	58900	
300	59940	
400	59942	
500	59944	
600	59945	

Any required angle from 0-90°, 10 x M6x12 fastener(s) included.

HINGE

Width (mm)	Art.no. SS	Weight (kg)
Horizontal	106493	
Vertical*	106487	

*4 x M6x12 fastener(s) included.
Hinge set, adjustment in steps of 7,5°.

DIVIDER

Width (mm)	Art.no. SS	Weight (kg)
SPB DI-75	106489	

*3 x M6x12 fastener(s) included.
Length = 3m.*

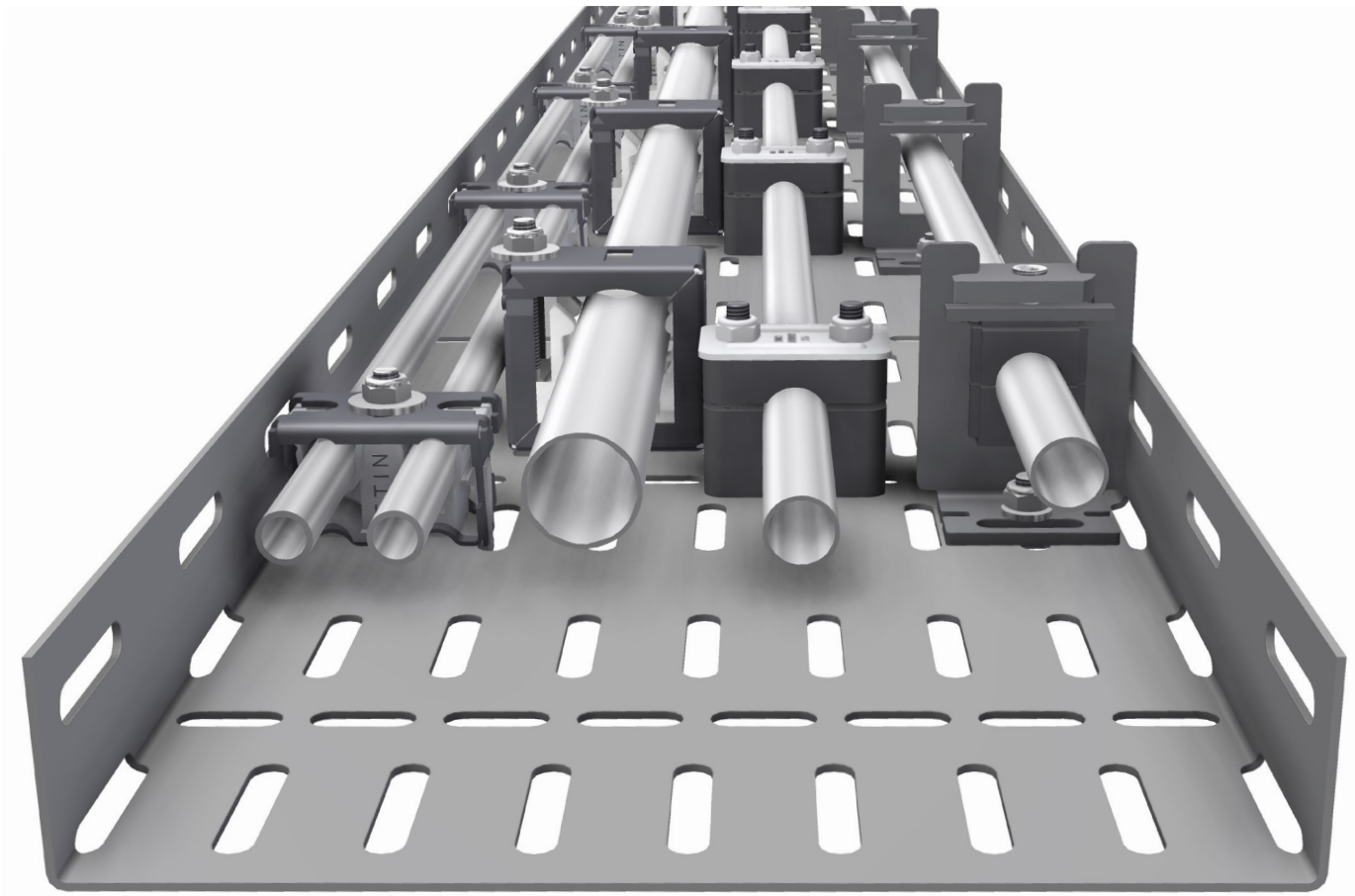


This poster shows the main/most used parts of the SPB-RF40 System. For a full overview of the SPB System view our products online: www.oglaend-system.com/selector

Certificates, please contact us for exact application:



ETIN™ & INKO® Tubing Clamps



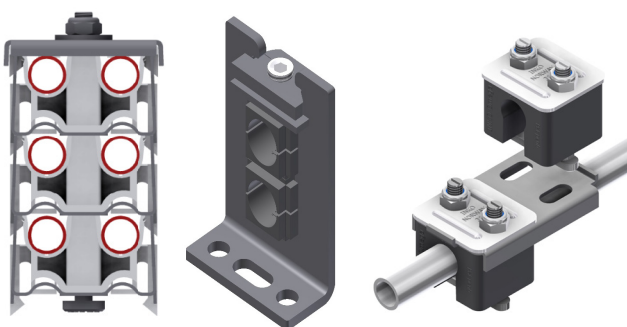
ETIN™ is the most labour and space saving tubing clamp available on the market. Designed primarily for fitting in longitudinal slots it also has a full range of accessories to fit all installations. Two designs, covering tubing range from 6-25 mm ($\frac{1}{4}$ "-1" tubes).

INKO® is designed for quick assembly and is fitted into lateral slots. Brackets and channels are available to suit all applications. Three designs, covering tubing range from 6-42 mm ($\frac{1}{4}$ "-1½" pipes/tubes).

Explore the full range of tubing clamps and accessories on oglaend-system.com/selector

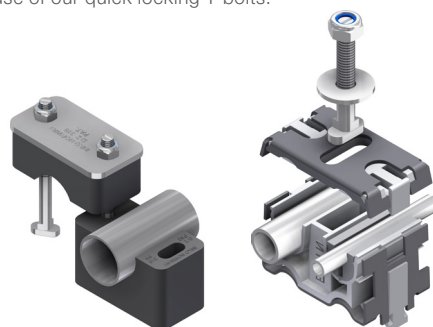
Stacking

Easy to stack directly or by using offset brackets.

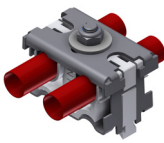
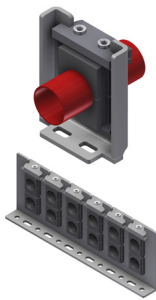
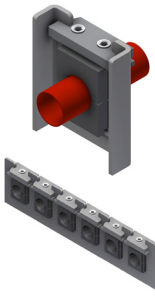
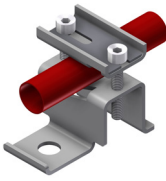


Fast Installation

The ETIN™ and INKO® designs allow quick installation even where access is not available to the back. This is possible by the use of our quick locking T-bolts.



ETIN™ & INKO® Tubing Clamps

Type	ETIN™ 6-12 mm (1/4"-1/2")	ETIN™ 14-25 mm (5/8"-1")	INKO® Omega	INKO® Module Clamp, bolted	INKO® Module clamp, welded	INKO® Flexi Clamp
Product drawing						
Tubing range (Metric)	6 - 12 mm	14 - 25 mm	6 - 42 mm	6 - 42 mm	6 - 42 mm	3 - 20 mm
Outer Diameter						
Tubing range (Imperial)	1/4-1/2"	5/8-1"	1/4-1 1/2"	1/4-1 1/2"	1/4-1 1/2"	1/4-3/4"
Outer Diameter						
Pipe range (Imperial)			1/2"-1 1/4"	1/2"-1 1/4"	1/2"-1 1/4"	
Inner Diameter						
Material	Polyamide/ AQUAMID 66/6 and AISI 316L Stainless Steel	Polyamide/ AQUAMID 66/6 and AISI 316L Stainless Steel	AISI 316L Stainless Steel and Polypropylene	AISI 316L Stainless Steel and Polypropylene	AISI 316L Stainless Steel and Polypropylene	AISI 316L Stainless Steel
Working Tempera- ture	Max 150°C	Max 150°C	-20 to 110°C	-20 to 110°C	-20 to 110°C	Max 500°C
Subsea version	Yes (Black Plastic)	No	No	SS Clamp halves. Maximum temperature: 500°C	SS Clamp halves. Maximum temperature: 500°C	Standard
Number of tubing per level	2	1	1	1	1-6	1
Maximum number of levels	3	2	3*	3*	3*	1

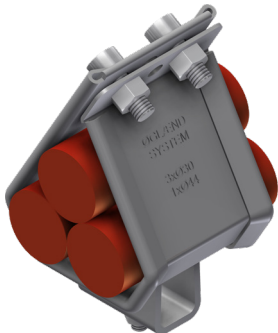
*Additional brackets required

SmartCleat® Cable Cleats

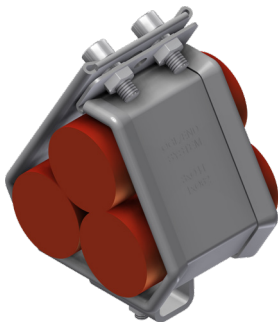
SMARTCLEAT TREFOIL		
Cable diameter (mm)	Art. no. SS	Weight (kg)
25	1303425	
26	1303426	
27	1303427	
28	1303428	
29	1303429	
30	1303430	
31	1303431	
32	1303432	
33	1303433	
34	1303434	
35	1303435	
36	1303436	
37	1303437	
38	1303438	
39	1303439	
40	1303440	
41	1303441	
42	1303442	
43	1303443	
44	1303444	
45	1303445	
46	1303446	
47	1303447	
48	1303448	
49	1303449	
50	1303450	
51	1303451	
52	1303452	
53	1303453	
54	1303454	
55	1303455	
56	1303456	
57	1303457	
58	1303458	
59	1303459	
60	1303460	
61	1303461	
62	1303462	
63	1303463	
64	1303464	
65	1303465	
66	1303466	
67	1303467	
68	1303468	
69	1303469	
71	1303471	
72	1303472	
73	1303473	

Cable diameter (mm)	Art. no. SS	Weight (kg)
74	1303474	
75	1303475	
76	1303476	
77	1303477	
78	1303478	
79	1303479	
80	1303480	
81	1303481	
82	1303482	
83	1303483	
84	1303484	
85	1303485	
86	1303486	
87	1303487	
88	1303488	
89	1303489	
90	1303490	
92	1303492	
95	1303495	
96	1303496	
97	1303497	
98	1303498	
99	1303499	

1 x M6x40 fastener included.



Design of SmartCleat® Trefoil Ø25-38 mm



Design of SmartCleat® Trefoil Ø39-99 mm

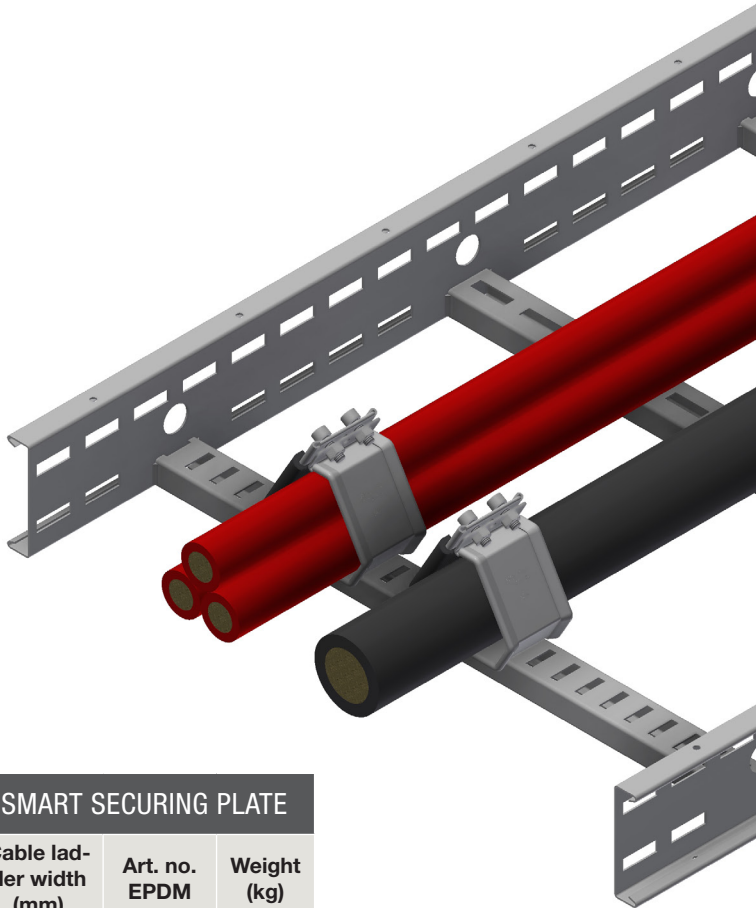
Quick and simple installation

Short circuit tested up to 184 kA peak

Installed directly on ladder rung

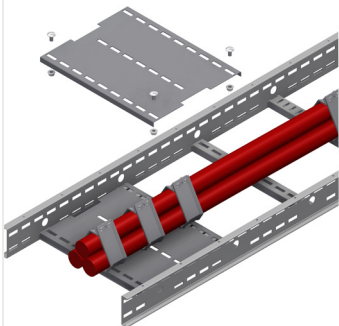
Low weight, compact design

For cable diameters Ø25-99 mm



SMART SECURING PLATE		
Cable ladder width (mm)	Art. no. EPDM	Weight (kg)
150	1306920	0.70
300	1306921	1.3
450	1306922	1.9
600	1306923	2.6
750	1306924	3.3
900	1306925	3.9

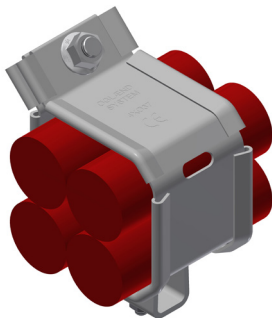
4 M6x40 fasteners included.

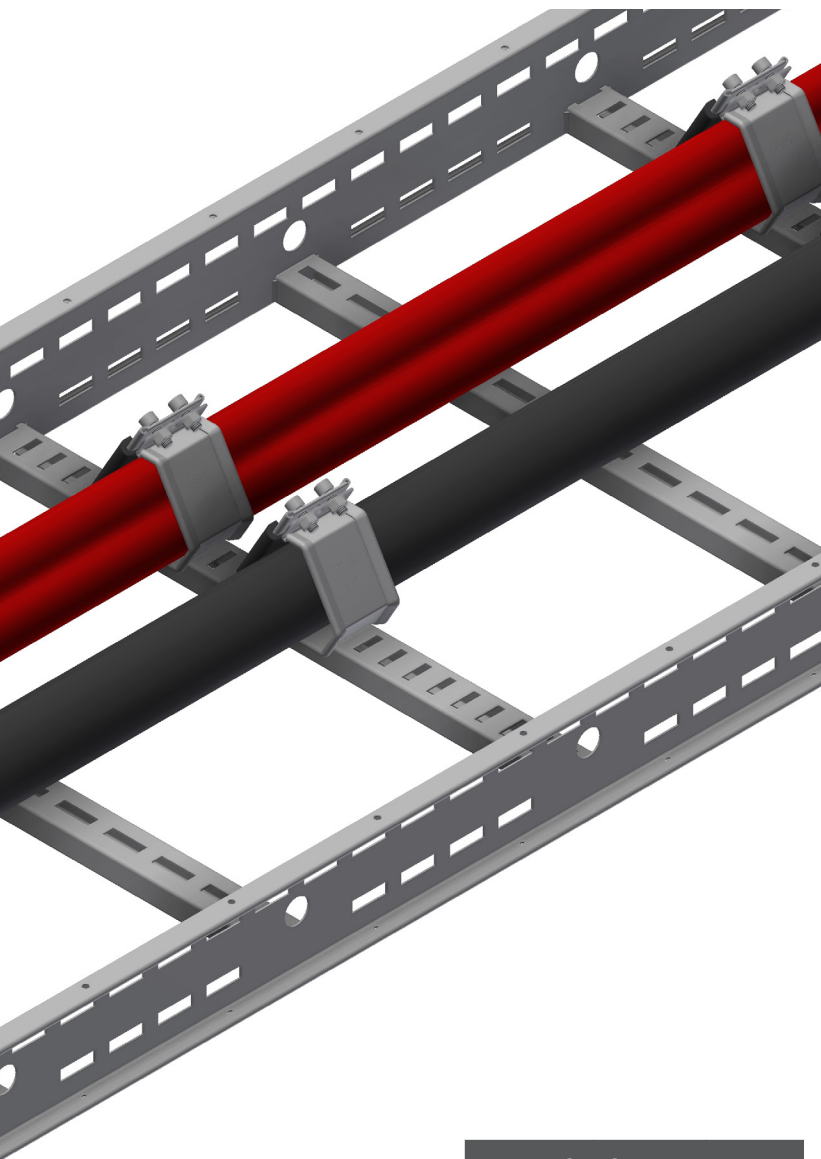


Recommended at both ends of a trefoil cable run where the forces generated by a short circuit are the highest.

SMARTCLEAT QUAD

Contact us for sizes and details.





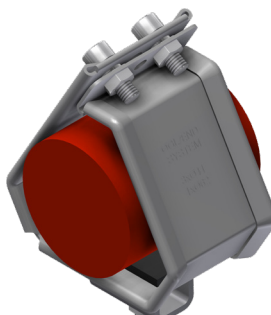
SMARTCLEAT SINGLE		
Cable diameter (mm)	Art. no. SS	Weight (kg)
25	89825	-
27	89827	-
28	89828	-
29	89829	-
30	89830	-
31	89831	0.40
32	89832	0.40
33	89833	0.40
34	89834	0.40
35	89835	0.40
36	89836	0.40
37	89837	0.40
38	89838	0.40
39	89839	0.40
40	89840	0.40
41	89841	0.40
42	89842	0.40
43	89843	0.40
44	89844	0.40
45	89845	0.40
46	89846	0.40
47	89847	0.40
48	89848	0.40
49	89849	0.40
50	89850	0.40
51	89851	0.40
52	89852	0.40
53	89853	0.40
54	89854	0.40
55	89855	0.40
56	89856	0.40
57	89857	0.40
58	89858	0.40
59	89859	0.40
60	89860	0.40
61	89861	-
62	89862	-
63	89863	0.50
64	89864	-
65	89865	-
66	89866	-
67	89867	-
68	89868	-
69	89869	0.60
70	89870	-
71	89871	-
72	89872	-
73	89873	-

Cable diameter (mm)	Art. no. SS	Weight (kg)
74	89874	-
75	89875	-
76	89876	-
77	89877	-
78	89878	-
79	89879	-
80	89880	0.70
81	89881	-
82	89882	0.70
83	89883	0.70
84	89884	-
85	89885	-
87	89887	0.60
88	89888	0.60
90	89890	0.60
91	89891	-
92	89892	-
93	89893	-
94	89894	-
95	89895	-
96	89896	-
97	89897	-
98	89898	-
99	89899	-

1 x M6x40 fastener included



Design of SmartCleave® Single Ø25-79 mm



Design of SmartCleave® Single Ø80-99 mm

SPACER MAT

Thickness (mm)	Art. no. EPDM	Weight (kg)
2 mm	84074	0.006
4 mm	84038	0.010

All trefoil cleats fits +/- 1.5 mm deviation in cable diameter. However, if larger deviations occur the bottom pads can be used to ensure a tight fit.

SPACER PAD

Thickness (mm)	Art. no. Plastic	Weight (kg)
3 mm	1301545	0.40
6 mm	1301546	0.60
9 mm	1301547	0.90

Comes in 1.2 m lengths

Used to fit cables with a diameter up to 3 mm less than the SmartCleave® size. Also recommended for vertical runs to prevent the cables from sliding.

Hilti S-BT Fastening on Steel

Fast, secure and simple fastening method for cable trays, cable ladders, tubing, lights, grating and earthing. Ideal cold work solution for offshore modification and maintenance, shipping or for greenfield projects. The stud is installed in a few minutes time and is tested for 40 years of service life.



PLEASE CONTACT US

Øglaend System AS

P.O. box 133, Engelsvollvegen 264
N-4358 Kleppe, Norway

Phone: (+47) 51 78 81 00

E-mail: oglaend@oglaend-system.com

Order/purchase orders:

ordre@oglaend-system.com

www.oglaend-system.com

Hilti do Brasil Comercial Ltda

Alameda Rio Negro, 500 | Torre A - 9º Andar CEP
06454-000 | Barueri-SP

Customer service: 11 4134 9050

(Monday to Friday from 8:00 to 18:00 BRT)

Online: www.hilti.com.br/#contact



A Group Company of **HILTI**