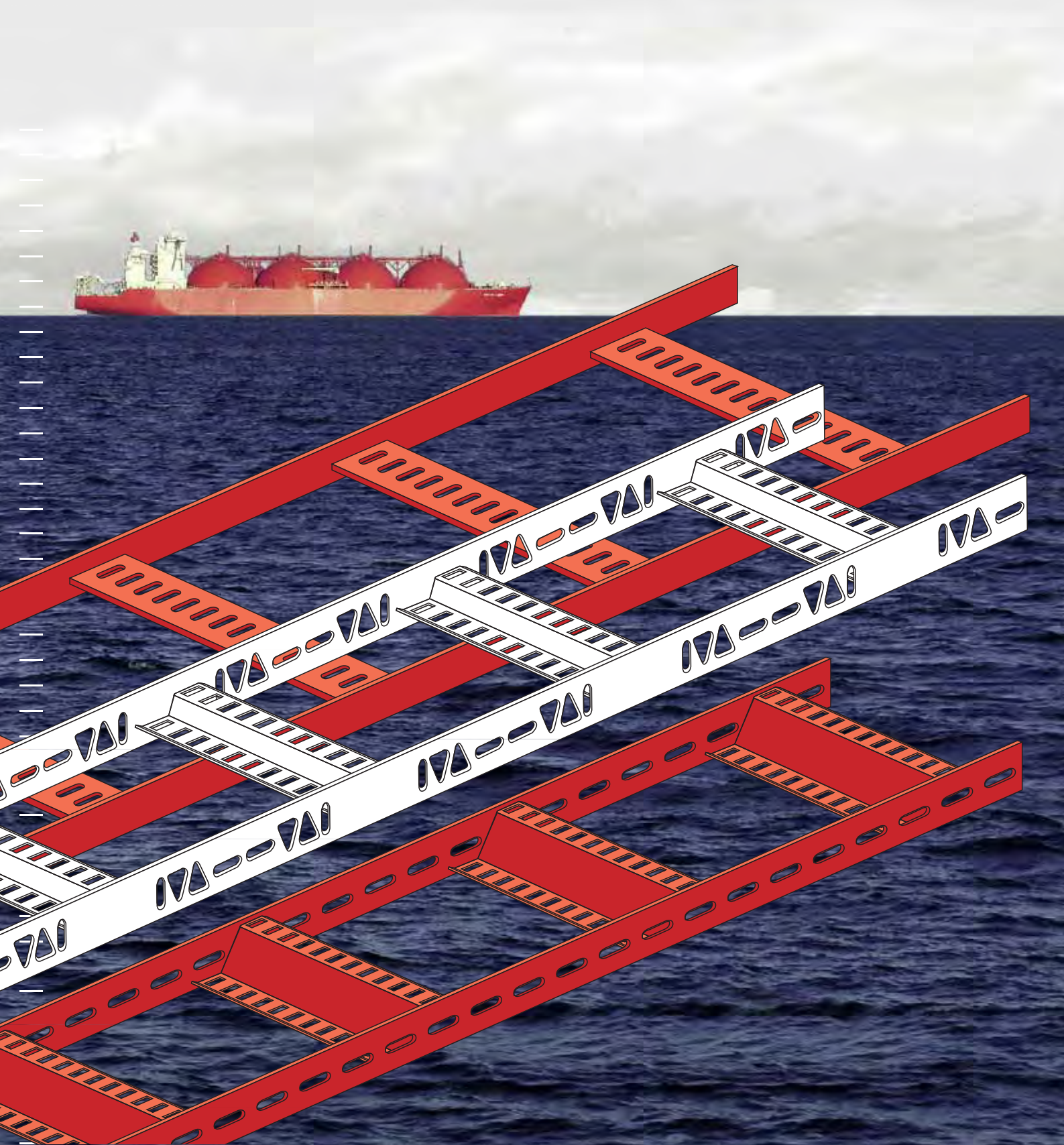




KABELSTIGER OG TILBEHØR FOR SKIP CABLE LADDERS AND ACCESSORIES FOR SHIPS



Being first is good, being smart is better, being both is Simply the Best!



Firmapresentasjon
Company presentation

PRODUKT- INFORMASJON

Øglænd System tilbyr opphengssystemer tilpasset alle faggrupper, kabelstiger, kabelbaner, koblingsboksstativ, rørklammer, kabelklammer (trefoil cleats), varmekabler, styringssystemer m.m.

**Har du spørsmål?
Vennligst ta kontakt.**

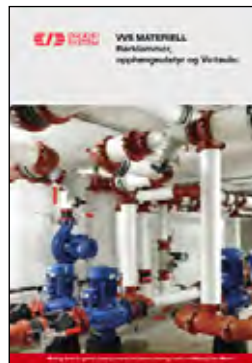
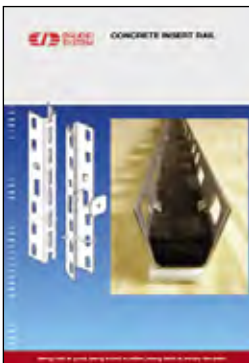
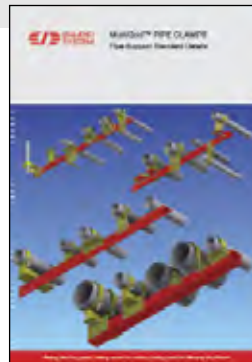
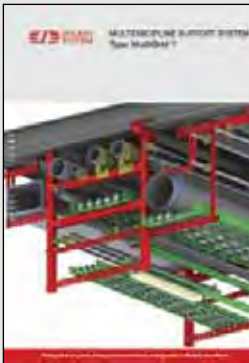
PRODUCT INFORMATION

Oglaend System offer a broad range of cable support systems for all applications, e.g. cable ladders, cable trays, junction box racks, tubing clamps, cable cleats, heating cables, control systems etc.

**If you need further information,
please do not hesitate to contact us!**

Last ned siste versjon av våre produktkataloger fra:

Download our latest version of product catalogues from: www.oglaend-system.com



Rett til mindre tekniske endringer forbeholdes.
Sjekk våre websider for siste utgave.

Subject to minor changes without notice.
Check our website for latest issues.

Innhold: Contents:

MATERIAL NAVN / MATERIAL TYPES:

PG = Pregalvanisert stål	Pre galvanized steel	20 my zink
HDG = Varmgalvanisert	Hot Dip Galvanized	NS/ISO 1461*
SS = Rustfritt stål	Stainless Steel	AISI 316L**
AL = Aluminium	Aluminium	5052 H22/H32
CS = Ubehandlet stål	Carbon steel (Black steel)	EN 10025-S355J2

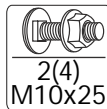
*) Steel quality for HDG: Steel grade EN 10130 Grade DC01

**) Steel quality for SS: EN 1.4404

Andre kvaliteter på forespørsel / Other material qualities on request.

SYMBOLER FOR SKRUER / SYMBOLS FOR SCREWS:

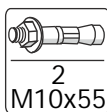
Symbolet viser skruetype, **minimum antall** og typebenevnelse. **Bestillingsnummer er på s. 18.**



This symbol shows type of screw, **the number needed** and name. **For order no. – see page 18.**

SYMBOLEKSEMPLER:

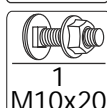
Ekspansjonsbolter
Behov: 2 stk.
Type M10x55



SYMBOL EXAMPLES:

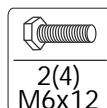
Expansion bolts
2 pcs. needed.
Type M10x55.

Låseskrue m. linsehode
Behov: 1 stk.
Type M10x20.



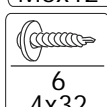
Locking screws
1 pcs. needed.
Type M10x20.

Sekskantskrue
Behov: Min. 2 stk.
(4) Kan brukes*.
Type M6x12.



Hexagonal screws
Minimum 2 pcs. needed.
(4) May be used*.
Type M6x12.

Selvborende skrue
Behov: 6 stk.
Type 4x32.



Self tapping screw
6 pcs. needed.
Type 4x32.

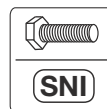
Standard: Skruer er inkludert!
Oppgitt skruerantall for parentesen leveres standard med delene.

Standard: Screws are included!
The number of screws and nuts before the brackets are included when ordering the part.

(4) Skruer i parentes er IKKE inkludert!
Ved spesielle forhold sikres montasjen med antall oppgitt i parentes. Disse ekstra skruene bestilles separat.

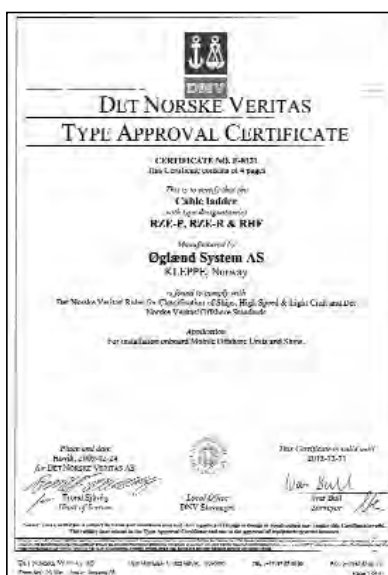
(4) Screws in brackets are NOT included!
The number in brackets represents the number of screws that can be fitted to fix the part. These must be ordered separately.

Skruer IKKE inkludert!
SNI: Skruer ikke inkludert.



Screws NOT Included!
SNI: Screws not included.

Symbolforklaring Explanation of symbols	3
Stigeprogram: RZE-R, PZE-P, RHF Range of Cable Ladders: RZE-R, PZE-P, RHF	4
Belastningstabell Safe working loads	5
Bend og vertikalbend Bends and Risers	5
RZE-R tilbehør / Accessories	5
RZE-P tilbehør / Accessories	6
RHF tilbehør / Accessories	7
Allsidig tilbehør Versatile Accessories	7
Boltsveiseoppheng Stud welding support	11
RZE-R brukertips RZE-R best practice	12
MultiGrid™ Standard + Forenklet oppheng for skip Standard + Simplified support for ships	13
Alternative oppheng alle faggrupper Alternative multi-discipline support systems	14
Mekano Opphengskinner og sveisebraketter Support channels and welding brackets	15
SPB kabelbaner for alle formål cable trays for all purposes	16
ETIN instrumentrørklammer tube clamp	16
Perforerte profiler Perforated Profiles	17
Bolter og festemateriell Bolts and fixing items	18
Salgskontorer Locations	19



DNV Type Approval Certificate

Oglaend System's ladder type RZE-R, RZE-P and RHF are certified by DNV, certificate no. E-8131. The product range is tested according to IEC 61537.

Patenter og mønsterbeskyttelser

Mange av Øglaend Systems produkter er patentert eller mønsterbeskyttet. En komplett liste er tilgjengelig ved henvendelse.



Quality control

Oglaend System is certified by D.N.V. to conform to the Quality System Standard NS-EN ISO 9001, which is the strictest quality code for contractors developing, designing and manufacturing their own equipment.

Patents and design applications

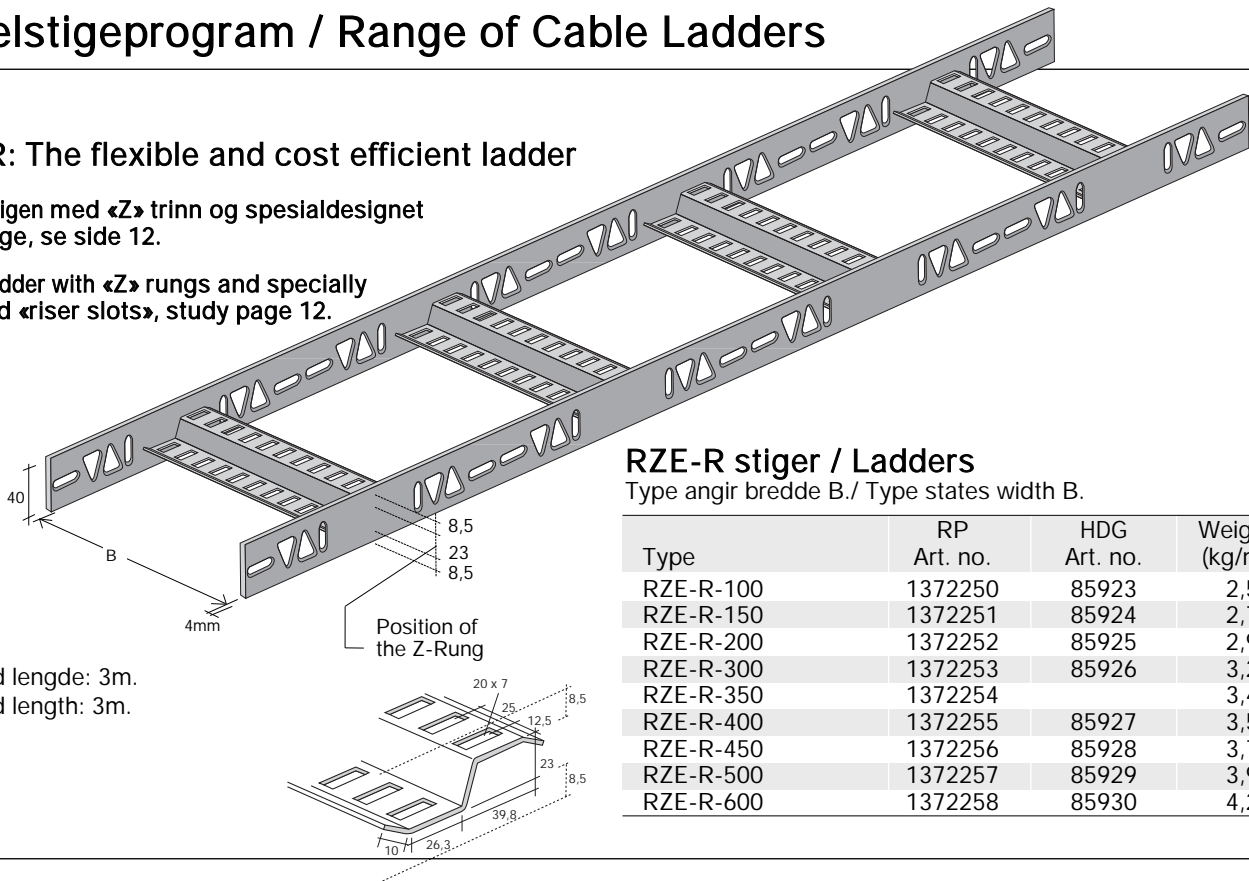
Many of Oglaend System's products are patented or protected by design applications. A complete list is available on request.

Kabelstigeprogram / Range of Cable Ladders

RZE-R: The flexible and cost efficient ladder

RZE-R stigen med «Z» trinn og spesialdesignet riservange, se side 12.

RZE-R ladder with «Z» rungs and specially designed «riser slots», study page 12.



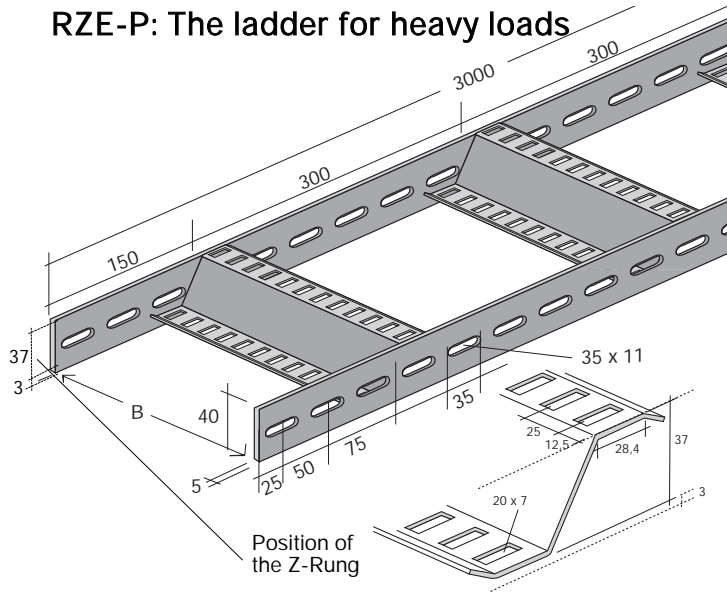
Standard lengde: 3m.
Standard length: 3m.

RZE-R stiger / Ladders

Type angir bredde B./ Type states width B.

Type	RP Art. no.	HDG Art. no.	Weight (kg/m)
RZE-R-100	1372250	85923	2,5
RZE-R-150	1372251	85924	2,7
RZE-R-200	1372252	85925	2,9
RZE-R-300	1372253	85926	3,2
RZE-R-350	1372254		3,4
RZE-R-400	1372255	85927	3,5
RZE-R-450	1372256	85928	3,7
RZE-R-500	1372257	85929	3,9
RZE-R-600	1372258	85930	4,2

RZE-P: The ladder for heavy loads

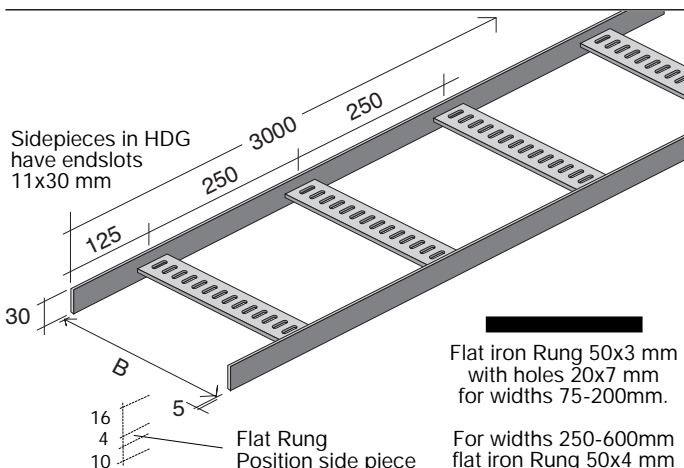


RZE-P med perforerte vanger RZE-P with slotted side-pieces

Type angir bredde B./ Type states width B.

Type	RP Art. no.	HDG Art. no.	SS Art. no.	Weight (kg/m)
RZE-P-100	86793	86780	86819	3,0
RZE-P-150	86794	86781	86820	3,2
RZE-P-200	86795	86782	86821	3,4
RZE-P-250	86796	86783	86822	3,6
RZE-P-300	86797	86784	86823	3,8
RZE-P-350	86798	86785	86824	4,0
RZE-P-400	86799	86786	86825	4,2
RZE-P-450	86800	86787	86826	4,4
RZE-P-500	86801	86788	86827	4,6
RZE-P-600	86802	86789	86828	5,0
RZE-P-650	86803	86790	86829	5,3
RZE-P-750	86804	86791	86830	5,7
RZE-P-900*	86805	86792	86831	6,3

*) 2 x 450 are recommended for 900 mm widths.



RHF stiger / Ladders

Type angir bredde B./ Type states width B.

Type	RP Art. no.	HDG Art. no.	SS Art. no.	Weight (kg/m)
RHF-100	78802	78810	81615	2,9
RHF-150	78803	78811	82241	3,0
RHF-200	78804	78812	82074	3,2
RHF-250	78843	78846		3,5
RHF-300	78805	78813	81790	3,7
RHF-350	78844	78847		3,9
RHF-400	78806	78814	82312	4,1
RHF-450	78845	78848		4,3
RHF-500	78807	78815	82397	4,4
RHF-600	78808	78816	83615	4,9

Lasteevne pr. m:

Tabellen viser maks. tillatt last ved sikkerhetsfaktor 1,7.

Testprosedyren betinger at lengden på endespennet reduseres til 3/4 av supportavstanden.

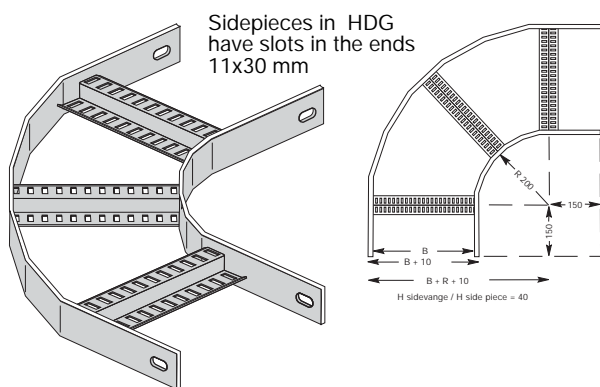
Capacity per m:

The table indicates the maximum allowed uniformly distributed load. A safety factor of 1,7 is included. According to the test procedure the length of the end span must be reduced to 3/4 of the support spacing.

BELASTNINGSTABELL / SAFE WORKING LOAD

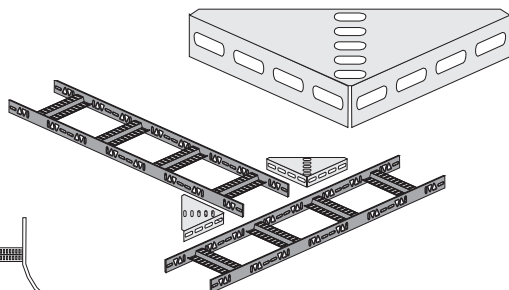
Stigebr. Ladder width	Spenn Support spacing	Last (kg/m) Load (kg/m) according to IEC 61537		
		RZE-R HDG	RZE-P HDG	RHF RP
100-900	1,5 m	184	260	99
	2,0 m	102	134	52
	2,5 m	56	75	27

Alle tester er utført i henhold til IEC 61537 / All tests are according to IEC 61537.

RZE-R tilbehør / Accessories:

RZE-R bend 90° / Flat Elbow

Type angir bredde B./ Type state width B.

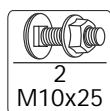
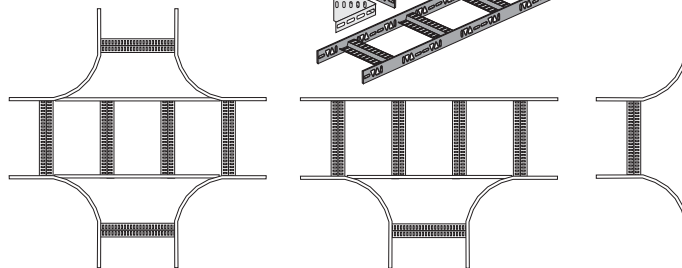
Type	RP Art. no.	HDG Art. no.	Vekt (kg) Weight
RZE-R FE-150	85222	1372068	2,9
RZE-R FE-200	84845	1372069	3,2
RZE-R FE-300	84833	1372070	4,1
RZE-R FE-400	84834	1372071	4,8
RZE-R FE-450	84835	1372072	5,1
RZE-R FE-500	84836	1372073	5,5
RZE-R FE-600	84837	1372074	6,2
RZE-R FE-750	85358	1372075	7,9
RZE-R FE-900	84838	1372076	9,0


**T-avgreiningsbrakett og kryss
Tee- and Cross-Piece Bracket**

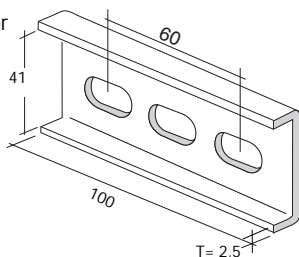
Type	HDG Art. no.	SS Art. no.	Vekt (kg) Weight
RZE-P TE-PA	87972	87973	0,8

Leveres som to braketter med 8 stk. M10x25 SS.
Supplied as 2 brackets with 8 screw M10x25 SS.

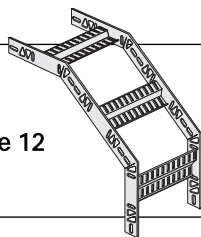
Andre løsninger for **T-AVGREINING** på forespørsel.
Other **T-PIECE** solutions on request.



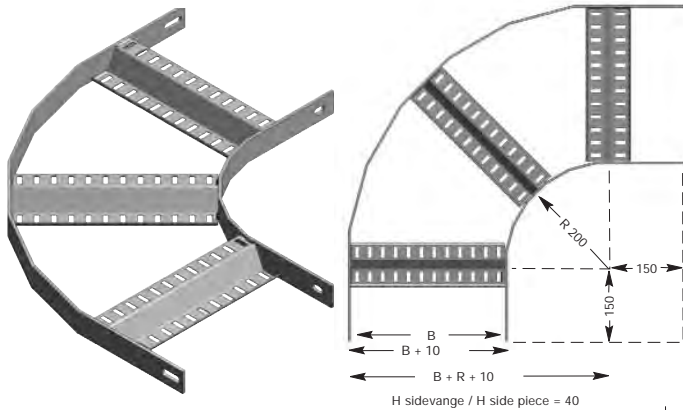
Splice connector for perforated side pieces


**Skjøtelask for RZE complete with 2 x M10.
Splice Connector for RZE complete with 2 x M10 screws.**

Type	HDG Art. no.	SS Art. no.	Vekt (kg) Weight
RZE SC-40-P	85516	82873	0,12



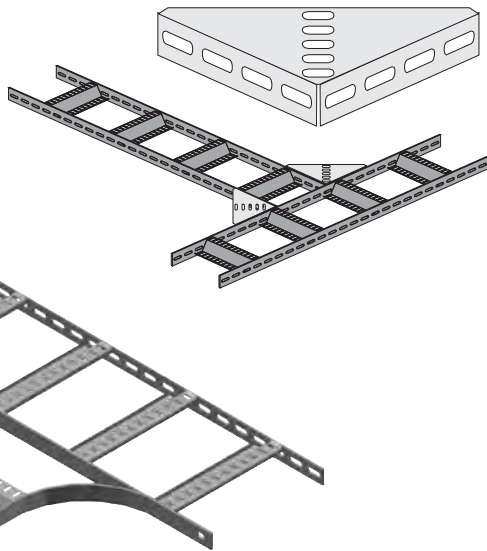
RZE-P tilbehør / accessories:



RZE-P bend 90° / Flat Elbow 90°

Type angir bredde B. / Type state width B.

Type	RP Art. no.	HDG Art. no.	SS Art. no.	Vekt (kg) Weight
RZE-P 90-100	87678	87652	87665	2,5
RZE-P 90-150	87679	87653	87666	2,9
RZE-P 90-200	87680	87654	87667	3,2
RZE-P 90-250	87681	87655	87668	3,5
RZE-P 90-300	87682	87656	87669	3,8
RZE-P 90-350	87683	87657	87670	4,1
RZE-P 90-400	87684	87658	87671	4,4
RZE-P 90-450	87685	87659	87672	5,3
RZE-P 90-500	87686	87660	87673	5,6
RZE-P 90-600	87687	87661	87674	6,4
RZE-P 90-650	87688	87662	87675	6,7
RZE-P 90-750	87689	87663	87676	8,4
RZE-P 90-900	87690	87664	87677	9,7

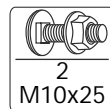


T-avgreiningsbrakett og kryss Tee- and Cross-Piece Bracket

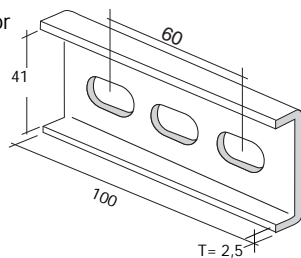
Type	HDG Art. no.	SS Art. no.	Vekt (kg) Weight
RZE-P TE-PA	87972	87973	0,8

Leveres som to braketter med 8 sett
M10x25 HDG / M10x20 SS.
Supplied as 2 brackets with 8 sets
M10x25 HDG / M10x20 SS.

Andre løsninger for **T-avgreininger** på forespørsel.
Other **Tee-Piece** solutions on request.



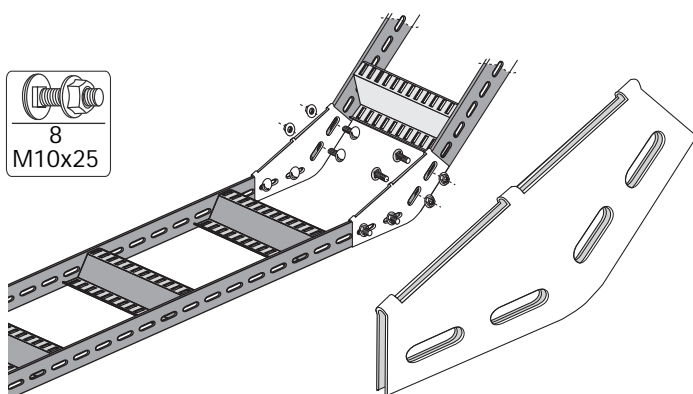
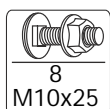
Splice connector
for perforated
side pieces



Skjøtelask for RZE komplett med 2 x M10 skruer.

Splice Connector for RZE complete with 2 x M10 screws.

Type	HDG Art. no.	SS Art. no.	Vekt (kg) Weight
RZE SC-40-P	85516	82873	0,12

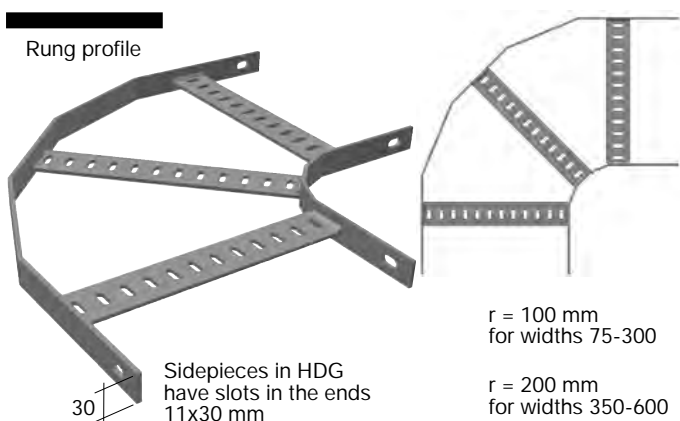


RZE-P Riser Bracket 45°

Type	PG Art. no.	Vekt (kg) Weight
RZE-P RB-45	81769	0,2

Leveres i par med 8 sett M10x25 HDG.
Supplied in pairs with 8 sets M10x25 HDG.

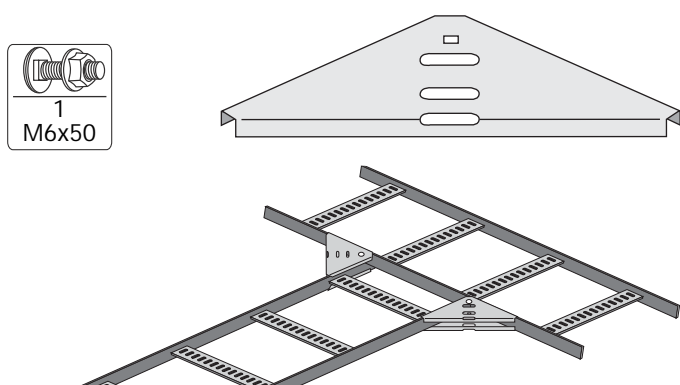
RZE-P tilbehør / Accessories:



RHF bend 90°/ Flat Elbow 90°

Type angir bredde / Type state width

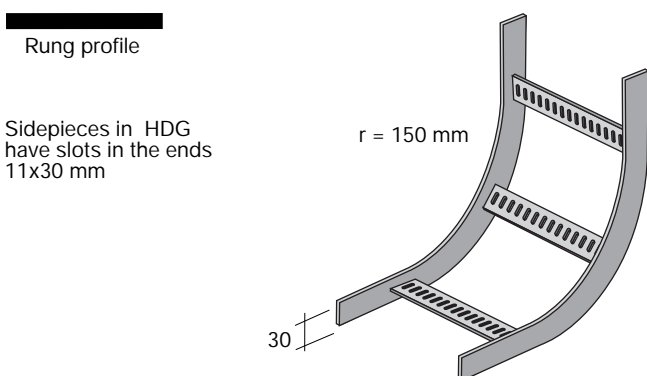
Type	Radius	RP Art. no.	HDG Art. no.	SS Art. no.	Vekt(kg) Weight
RHF-B-100	R=100	88107	88118	88129	1,5
RHF-B-150	R=100	88108	88119	88130	1,7
RHF-B-200	R=100	88109	88120	88131	2,0
RHF-B-250	R=100	88110	88121	88132	2,5
RHF-B-300	R=100	88111	88122	88133	2,8
RHF-B-350	R=200	88112	88123	88134	4,0
RHF-B-400	R=200	88113	88124	88135	4,4
RHF-B-450	R=200	88114	88125	88136	4,7
RHF-B-500	R=200	88115	88126	88137	5,1
RHF-B-600	R=200	88116	88127	88138	5,9



T-stykke brakett Tee-Piece Part

Type	HDG Art. no.	Vekt (kg) Weight
RHF TE-PA	82254	4 x 0,25

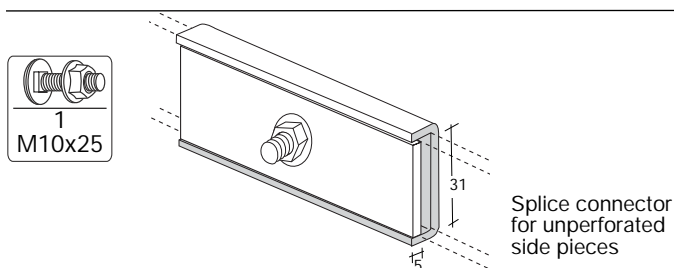
Leveres som 4 braketter og 2 stk. M6x50SS.
Supplied as 4 brackets with 2 M6x50SS.



RHF Riser 90°

Type angir bredde B./ Type state width B.

Type	RP Art. no.	HDG Art. no.	SS Art. no.	Vekt (kg) Weight
RHF RI-100	78954	78966	82164	2,0
RHF RI-150	78955	78967	82244	2,2
RHF RI-200	78956	78968	82076	2,5
RHF RI-250	78957	78969		2,8
RHF RI-300	78958	78970	82245	3,0
RHF RI-350	78959	78971		3,2
RHF RI-400	78960	78972	84134	3,5
RHF RI-450	78961	78973		3,8
RHF RI-500	78962	78974	82403	4,0
RHF RI-600	78963	78975	83617	4,4



Skjøtelask for RHF

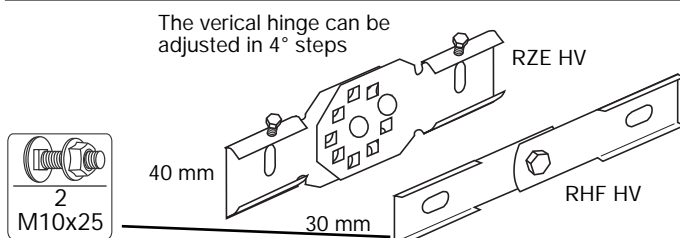
komplett med 1 x M10 skrue og pressplate.

Splice Connector for RHF

complete with 1 x M10 screw and pressplate.

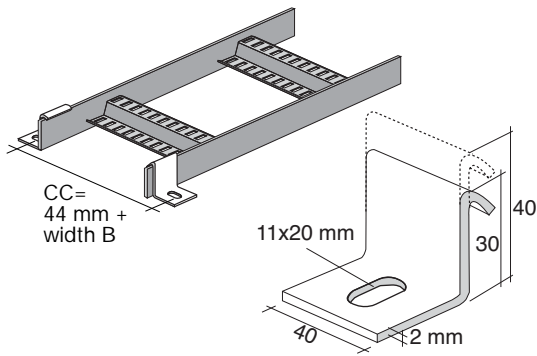
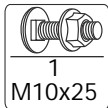
Type	HDG Art. no.	Vekt (kg) Weight
RHF SC-30-U	85472	0,21

Annet tilbehør / Other accessories:



Leddbeslag for RZE og RHF Hinge Vertical for RZE og RHF

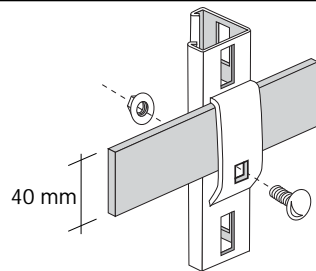
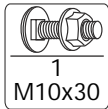
Type	HDG Art. no.	SS Art. no.	Vekt Weight
RZE HV	81575		0,9 kg
RHF HV	81785	83781	0,3 kg



Stigefeste Fixing Clamps

For fixing ladders to brackets and support.

Type	HDG Art. no.	SS Art. no.	Vekt (kg) Weight
RZE FC-40	1372099	86876	0,05
RHF FC-30	78904	86875	0,05



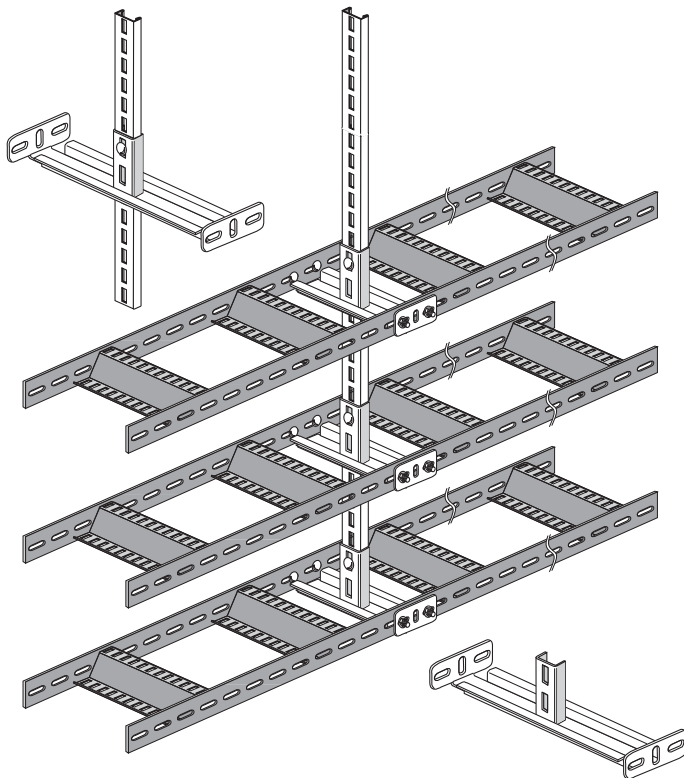
Opphengsbeslag

For oppheng av stiger med feste på begge stigevinger.

Fixing Clamp to channel

For ladder support with fasteners on both side pieces.

Type	HDG Art. no.	Vekt (kg) Weight
RZE FC-CH-30/40	1372098	0,15



RZ pendelkonsoll for skinne RZ Central Support for channel

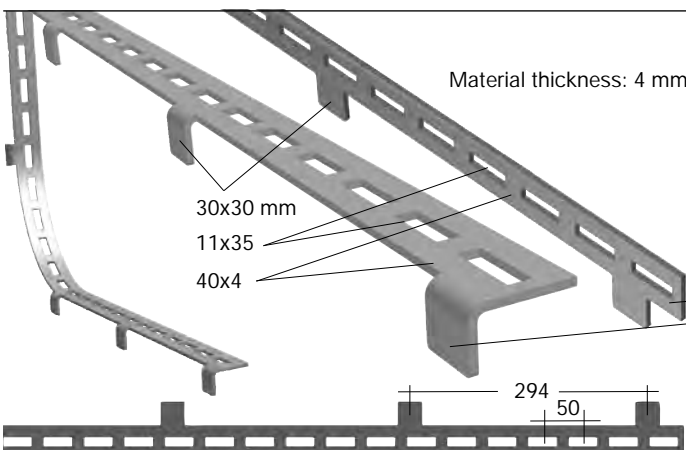
Type	HDG Art. no.	Vekt (kg) Weight
RZE CS-150	82820	0,8
RZE CS-200	82821	0,9
RZE CS-300	82822	1,15
RZE CS-400	82823	1,35
RZE CS-450	82824	1,45
RZE CS-500	82825	1,55
RZE CS-600	82826	1,8
RZE CS-750	82827	2,35
RZE CS-900	82828	2,5

Ingen byggehøyde under konsollen. Pendelopphenget gjør installasjonen og kabeltrekkingen enklere.

Installation space is saved because nothing is projecting below the bottom run of ladder.

The single central support facilitates easier cable pulling.

Se opphengsvarianter s. 12-13 og opphengskinner s. 14.
Study support solutions p. 12-13 and support channels p. 14.



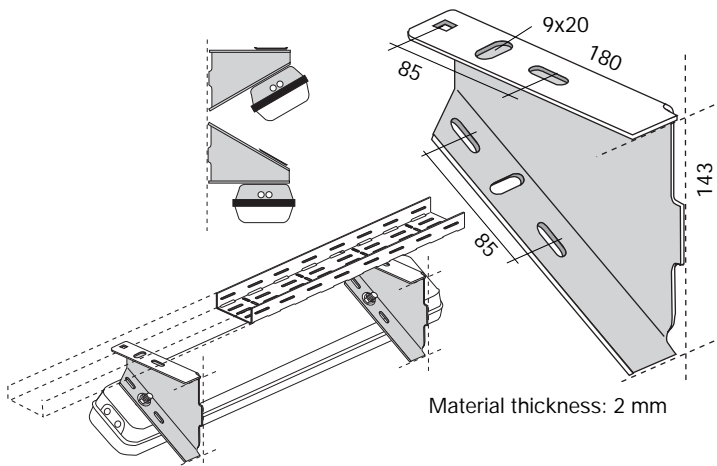
Vinkelstål - flattstål med sveisestykker Angle iron - Flat Bars with Welding Strips

Available in lengths of 3 m.

Type	RP Art. no.	HDG Art. no.	SS Art. no.	Vekt (kg/m) Weight
FI WS-HO	78832	78897		1,1
AI WS-VE	78831		78896	1,1

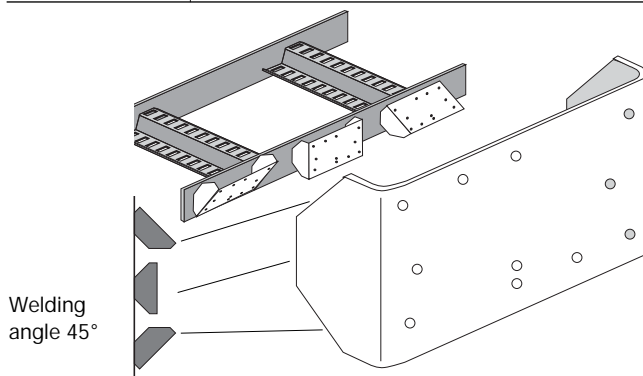
AI WS-VE kan bøyes vertikalt / for vertical bending.

FI WS-HO kan bøyes horisontalt / for horizontal bending.



Sveisebrakett for armatur og 100mm kabelbane Welding Bracket for light fitting and 100mm cable tray

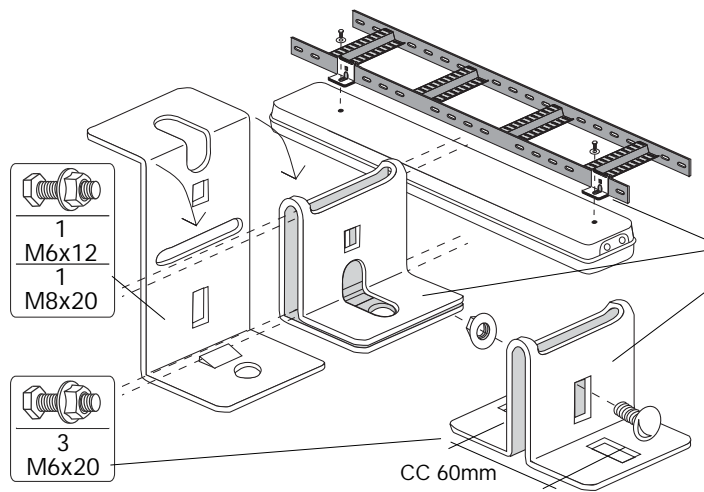
Type	RP Art. no.	Vekt (kg) Weight
S-RZE LB-WB	85195	0,5



Utstyrbrakett Socket Plate as welding bracket

Type	PG Art. no.	Vekt (kg) Weight
A-RZE SO-WB	SP1370*	0,3

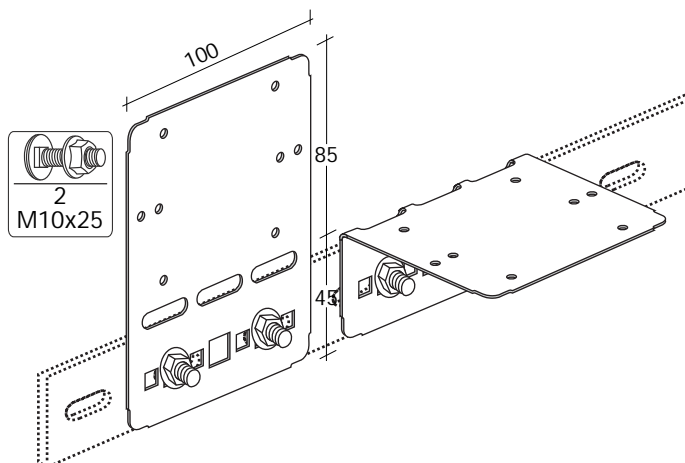
- *) Klar for kundetilpasset hullmønster
- *) Pre-slotted for client design



Armaturfeste Light fitting fixing Bracket

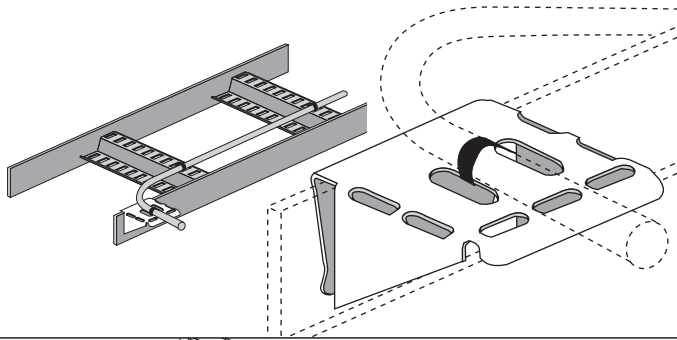
Type	SS Art. no.	Vekt (kg) Weight
A-RZE LB-Ceag	83599	0,08
A-RZE/RHF LB-Glamox*	85618	0,08

- *) For armatur med 2 festehull CC 60 mm.
- *) For light fitting with 2 fixing holes CC 60 mm.



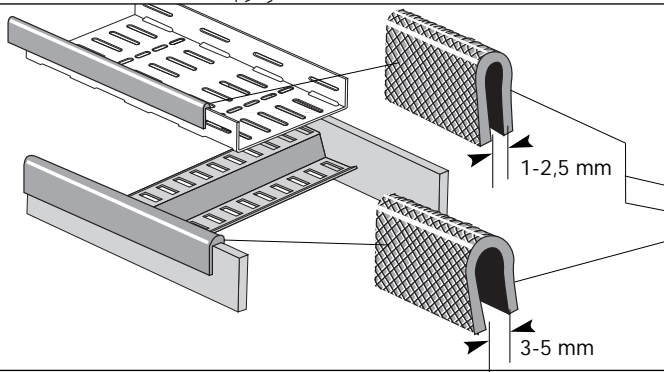
Stikkontaktfeste Socket Plate for RZE-R and -P

Type	PG Art. no.	Vekt (kg) Weight
A-RZE SO-40	85194	0,14



Avgangsbrakett med klipsfeste Exit Plate for ladder "snap on"

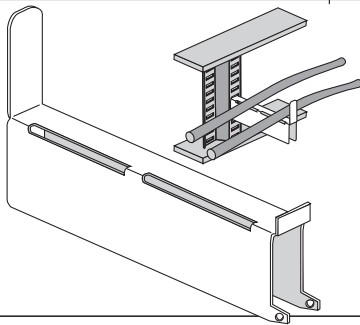
Type	SS Art. no.	Vekt (kg) Weight
A-RZE/RHF EX	83598	0,07



Kantbeskyttelse "Volvolist" Edge Protector

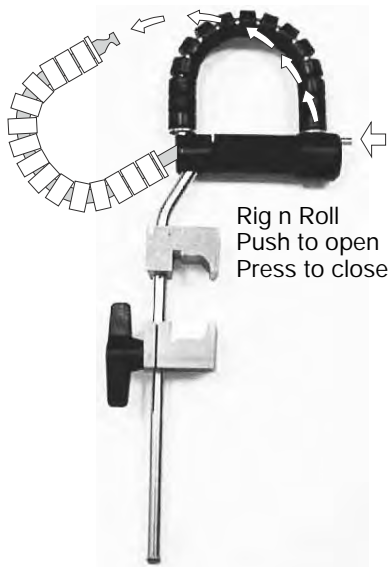
Type	Art. no.	spool (m)
A-SPB EP	1302165	50
A-SPB EP-SS*	1302164	100
A-RZE EP	84636	50

*) SS-reinforced for use on SS-tray



Kabelholder for vertikalt trinn Cantilever Arm for temporary use

Type	PG Art. no.	Vekt (kg) Weight
A-RZE CA	85437	0,3



«Rig n roll» Kabeltrekkerrulle Cable pulling Tool

Type	Art. No.
Rig n Roll size 1. Up to 60mm cables	84629
Rig n Roll size 2. Up to 120mm cables	84628

Use Rig n Roll to facilitate fast speed in fast cable pulling:

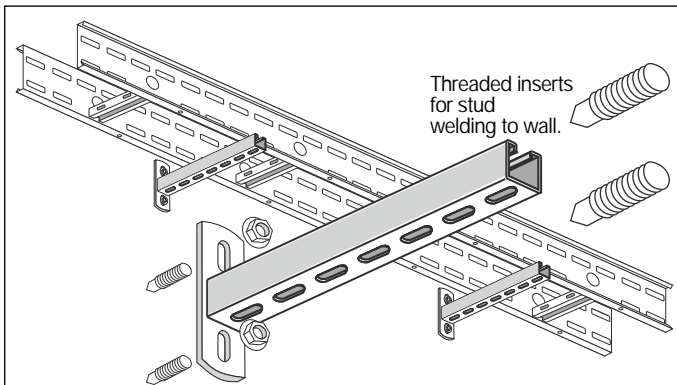
Two sizes fitting up to 60 mm and 120mm cables.

Easy to fix to any of our cable ladders – no tools needed.

Easy to open and lock – no tools needed.

Easy to handle due to its small size and low weight (400g).

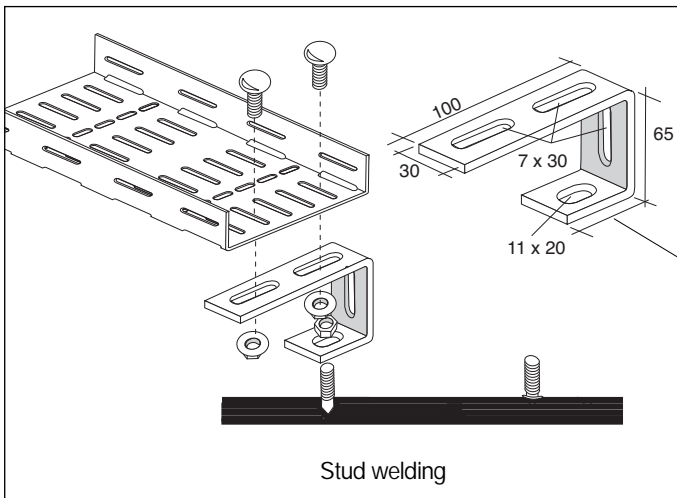
No loose parts or screws.


Skruebolter / Threaded Inserts

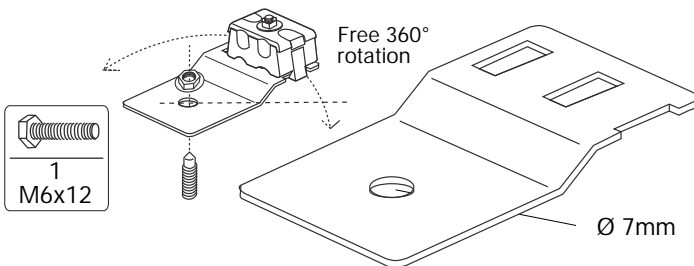
Type	Bolt	SS Art. no.
Studw-07	M10 x 25	1372896
Studw-08	M10 x 50	1372897
Studw-25	M12 x 25	1372898

Skruebolter "skytes" fast for festing av veggkonsoll.
Threaded inserts are stud welded to fix wall brackets.

Ved behov kan teflonisolasjon mot korrosjon leveres.
Teflon isolation to protect against corrosion is supplied on request.


**Festebrakett for Hilti skuddboltsystem
Bracket for Hilti powder actuated tool system**

Type	HDG Art. no.	SS Art. no.
S-SPB SB-PO	1372902	83430


**Festebrakett for ETIN*
Support Bracket for ETIN***

Type	SS Art. no.	Weight SS (kg)
A-UNO D-102-B	1302194	0,12

*) Les om ETIN på s. 16 og be om Tubing Clamps-brosjyre.

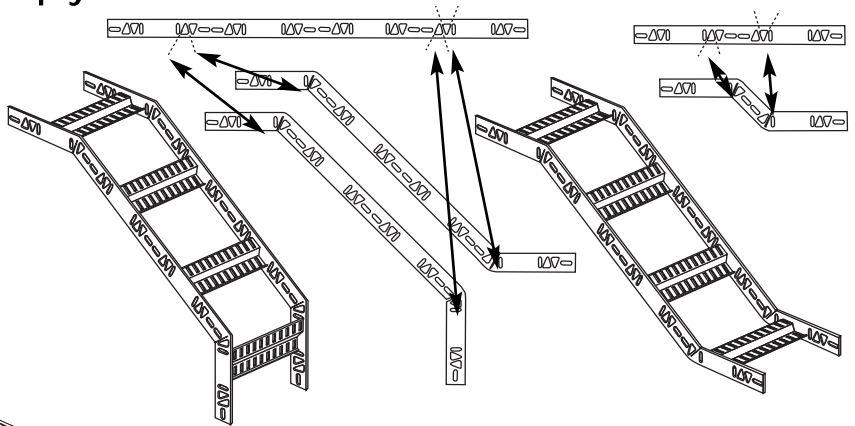
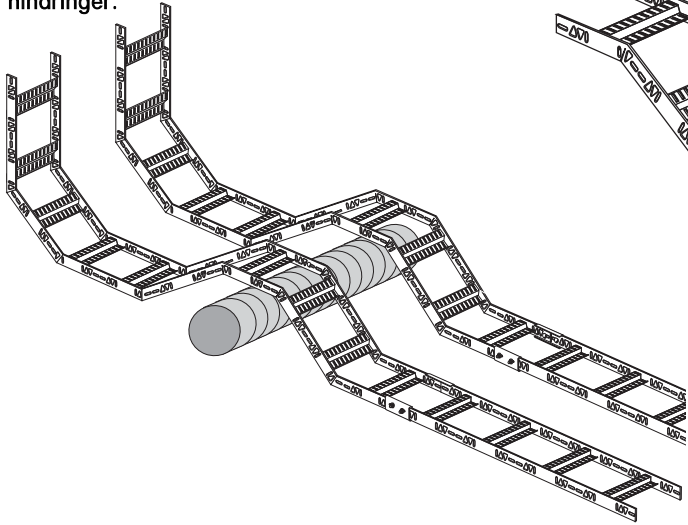
*) Study ETIN on page 16 and ask for Tubing Clamps brochure.

RZE-R stigen i bruk: Bare kutt og bøy!

RZE-R ladder best practice: Simply cut and bend!

RZE-R stigen er designet speslelt for å kunne monteres forbi hindringer.

The RZE-R ladder is specially designed to avoid obstacles.



Riserjustering:

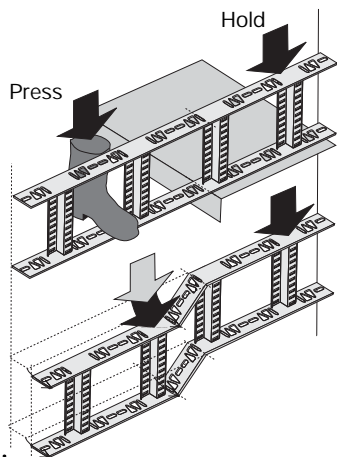
Åpne triangelhullet og bøy til 45° eller form ønsket vinkel. Lås med sveisenest.

Riser adjustments:

Open the triangle slot and bend to 45° or form the angle you need. Fix by welding.

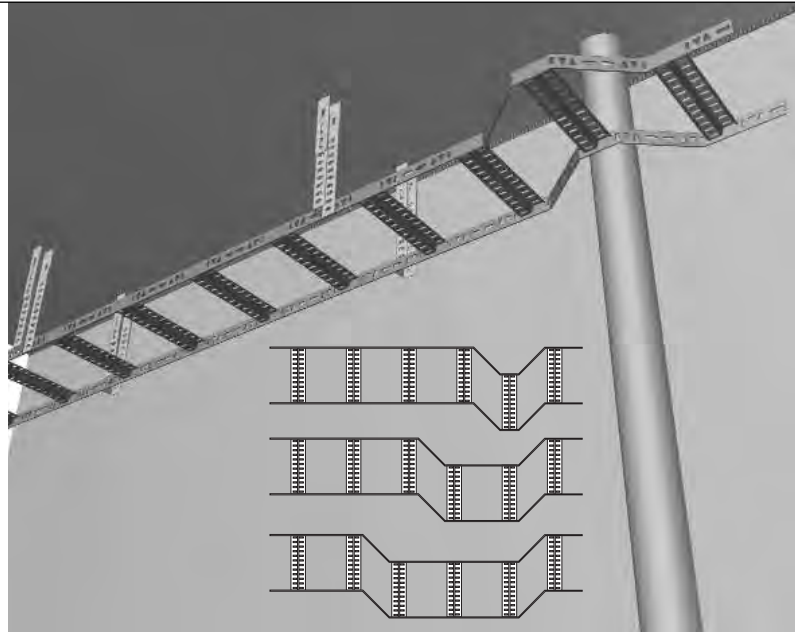
Justering sideveis:

Bruk eksempelvis en pall og plasser vangenens bøyehull på kanten. Hold stigen fast mot flaten og den «løse» enden presses enkelt ned til ønsket vinkel.



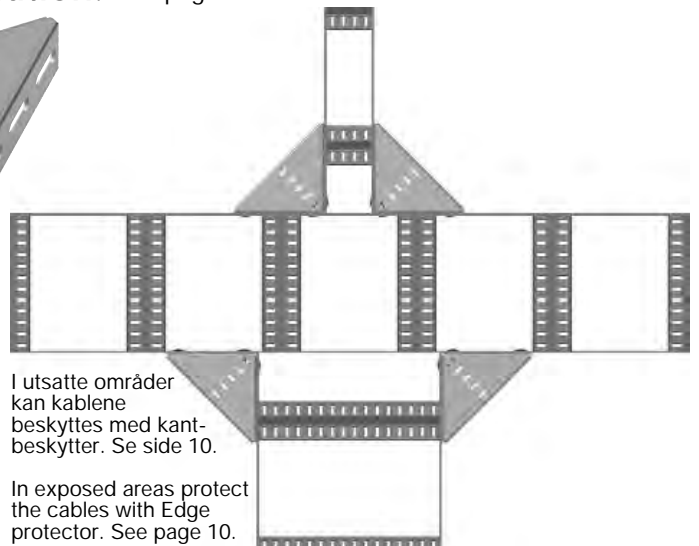
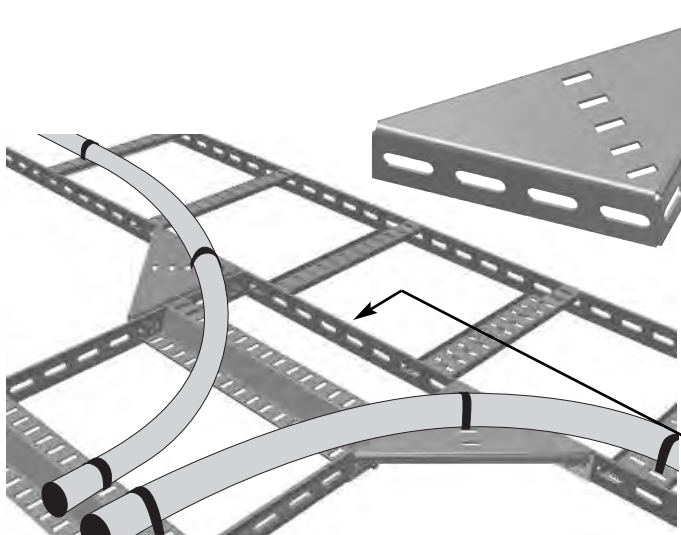
Sideways adjustments:

Use e.g. a pallet and place the vertical slot on the corner edge. Then bend the sidepieces simply by pressing the straight ladder firm to the wall and push the «loose» end to form the angle.



Forenklet T-avgreining er en smart løsning! Se side 5+6.

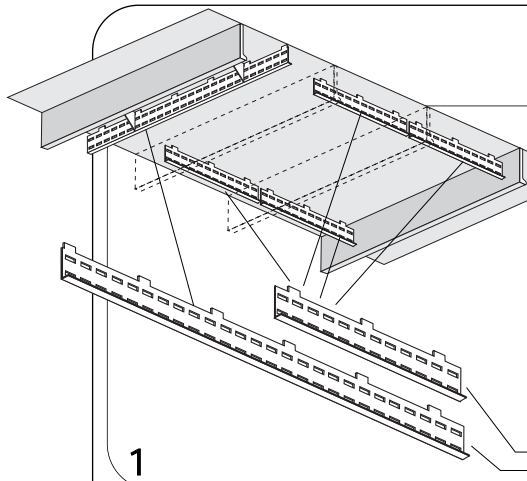
Simplified T-piece bracket is a smart solution! See page 5+6.



I utsatte områder kan kablene beskyttes med kantbeskytter. Se side 10.

In exposed areas protect the cables with Edge protector. See page 10.

MultiGrid™ for ships



Standard oppheng:

Standard opphengsplan for MultiGrid™ til skip.

1: Monteres av skrogbygger: Kun sveiseskinnene skal monteres av skrogbygger.

Skinnene som leveres i utførelse svart stål (CS), monteres over utstyrstrasé og blir malt sammen med resten av skroget. Sveiseskinner i lengder på 1,5m monteres parallelt med stringerne med avstand på ca. 2m. 0,6m lengder monteres mellom og inntil stringerne, se illustrasjon. Disse bidrar også til å stive opp stringerne.

NB! Ingen kabelstiger monteres hos skrogbygger da forandringer mht. utrustning vil forekomme.

Sveiseskinne (CS Ubehandlet stål):
S-M WCH-100L = 0,6m Art. nr. **87999**
S-M WCH-100L = 1,5m Art. nr. **85167**

Standard support:

Standard support plan for MultiGrid™ on ships.

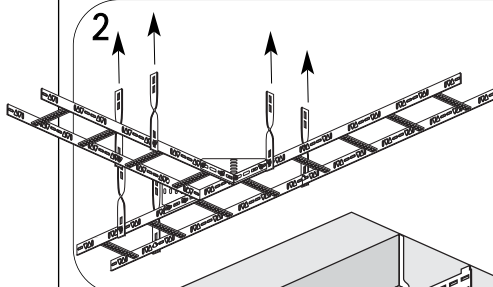
1: Fixed by fabricator: Only the welding profiles are fixed in the construction yard.

Welding profiles are supplied in carbon steel (CS) to be painted together with the hull. The channels are welded to the ceiling above the equipment route. The profiles are installed in lengths of 1.5m in parallel with the stringers with 2 m distance between them. Profiles of 0.6m lengths are installed between the stringers. See illustration. These will also function as stiffeners for the stringers.

Please note: No cable ladders are installed at the construction site because of the high risk of equipment changes.

Welding channels (CS Black steel):
S-M WCH-100L = 0,6m Art. nr. **87999**
S-M WCH-100L = 1,5m Art. nr. **85167**

1



2: Monteres av skrogutruer:

Varmgalvaniserte kabelstiger monteres til skinnene med skru braketter. Skinnene gir festepunkt i hele traseen. Ingen etterbehandling er påkrevd og kabelinstallasjon kan starte umiddelbart. Enkle rør og annet utstyr kan monteres i samme trasé. Den store fleksibiliteten i forhold til å kunne gjøre endringer gir en svært kostnadseffektiv installasjon.

2: Fixed by the installation contractor:

Hot dip galvanised cable ladders are fixed to the channels with bolts and brackets. The channels provide fixing points throughout the equipment route. There is no need for repainting, and the installation of cables can start immediately. Small pipes and other equipment can be installed using the same fixing points. The flexibility makes it easy to reroute equipment, making this a very cost efficient solution.

2

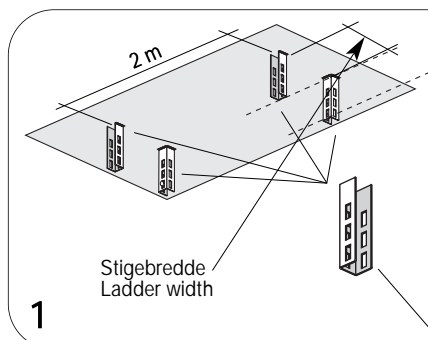
Komplett
Complete

VIKTIG! Bare festepunkt monteres hos skrogbygger. Da kan skrogutruer skrue-montere utstyr uten behov for ekstra maling.

IMPORTANT! Only fixing points are installed by the fabricator. Then the installation contractor can fit the equipment needed without need of repainting.

Forenklet oppheng:

Forenklet opphengsplan for MultiGrid™ til skip.



1: Monteres av skrogbygger: Kun festebrakettene monteres av skrogbygger.

Festebrakettene som leveres i utførelse svart stål (CS), monteres over utstyrstrasé og blir malt sammen med resten av skroget. Innbyrdes avstand mellom festepunktene skal være tilpasset planlagt kabelstigebredde og ca. 2m i lengderetning.

NB! Ingen kabelstiger monteres hos skrogbygger da forandringer mht. utrustning vil forekomme.

Festebrakett: Rødprimet
S-M WB-200-UNO-3 = Art. nr. **87998**

Simplified support:

Simplified support plan for MultiGrid™ on ships.

1: Fixed by fabricator: Only welding brackets are installed in the construction yard.

The brackets are supplied in carbon steel (CS) to be painted together with the hull. The brackets are welded to the ceiling above the equipment route. The placing of the brackets is depending on the width of the planned cable ladder. The distance between the brackets along the length of the cable ladder should be roughly 2m.

Please note: No cable ladders are installed at the construction site because of the high risk of equipment changes.

Welding bracket: Red oxide painted
S-M WB-200-UNO-3 = Art. nr. **87998**

1

Stigebredde
Ladder width

2

2: Monteres av skrogutruer

Varmgalvaniserte kabelstiger monteres til brakettene med skruer. Ingen etterbehandling er påkrevd og kabelinstallasjon kan starte umiddelbart. I samme trase kan enkle rør og annet utstyr monteres. Festebrakettene kan forlenges med 300mm skinner eller perforerte UNO-skinner. Brakettene i kombinasjon med skinner gir festepunkt gjennom hele traseen.

300mm skjoteskinne = Art. nr. **87997**
3m UNO-41-3P = Art. nr. **83970**

For mer kompliserte installasjoner anbefales standard opphengsplan med sveiseskinne (se over).

2: Fixed by installation contractor:

Hot dip galvanised cable ladders are fixed to the brackets with bolts. There is no need for repainting, and the installation of cables can start immediately. Small pipes and other equipment can be installed using the same fixing points.

The brackets can be extended by 300mm splice channels or perforated UNO channels. The brackets combined with channels give fixing points throughout the equipment route.

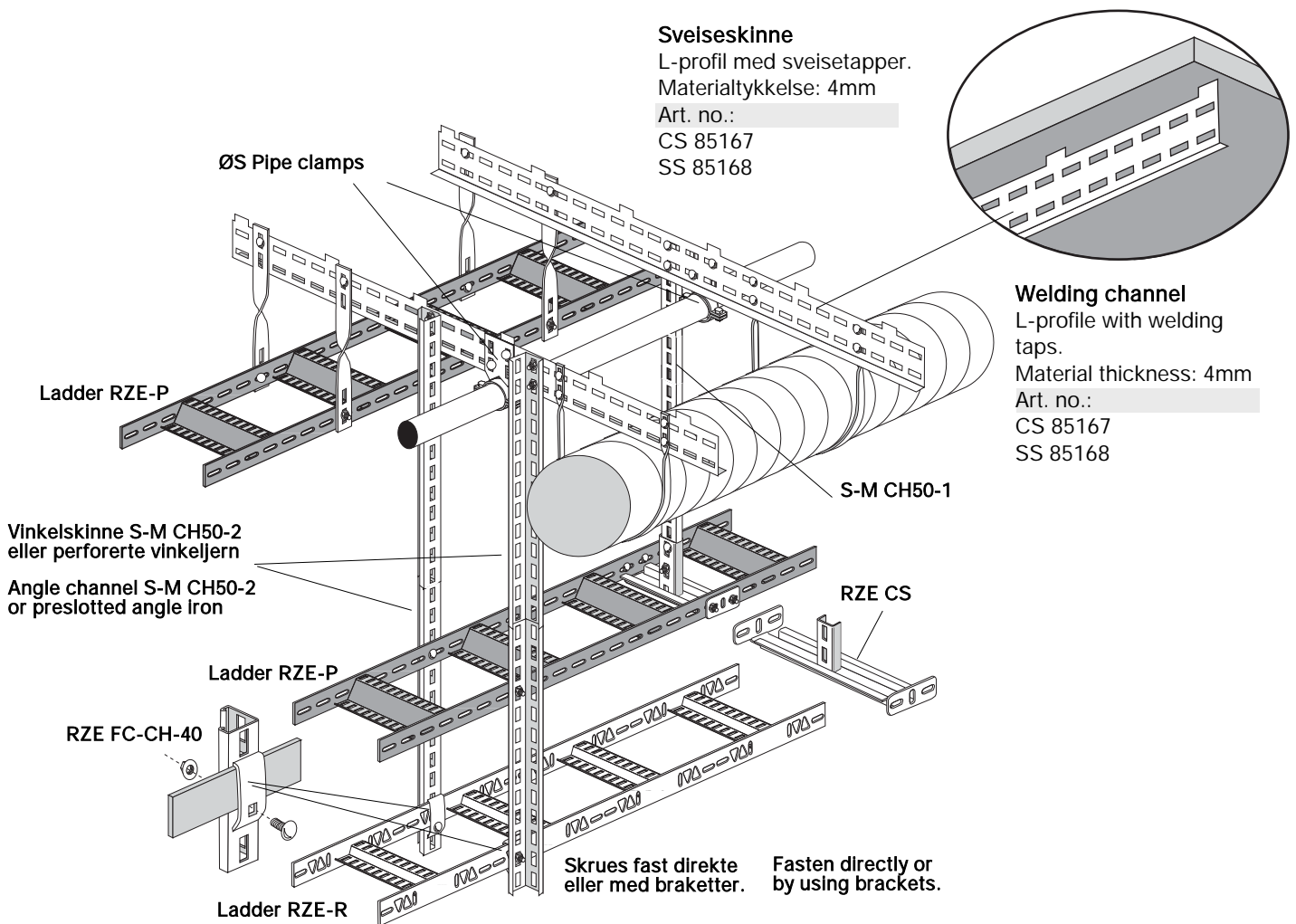
300mm splice channel = Art. no. **87997**
3m UNO-41-3P = Art. no. **83970**

For more complicated systems the standard support plan using welding channels are recommended (see above).

Alternative opphengsløsninger: Eksempelvis til offshoreinstallasjoner Alternative support solutions: E.g. for offshore installations

Felles oppheng for alle faggrupper

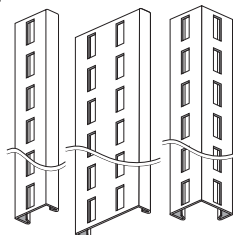
Multidiscipline support



For sveisebraketter og opphengskinner, vennligst se neste side, eller spør etter vår MultiGrid™ katalog for opphengsystemer.

For welding brackets and support channels please study the next page or ask for our MultiGrid™ support system catalogue.

Eksempler på smarte løsninger:
Våre kataloger er fulle av gode eksempler på hvordan våre produkter kan anvendes. Her finner du smarte kostnadsbesparende løsninger sammenlignet med tradisjonelle installasjoner. Les mer i hovedkatalogene som er vist på side 2, eller besøk www.oglaend-system.com



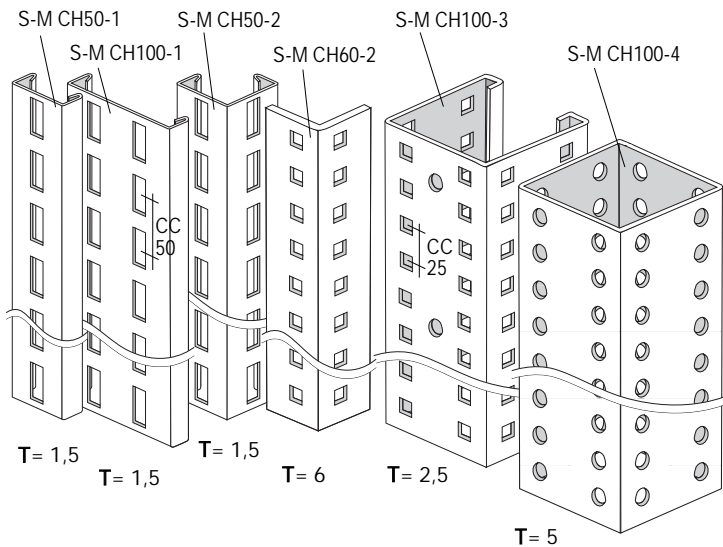
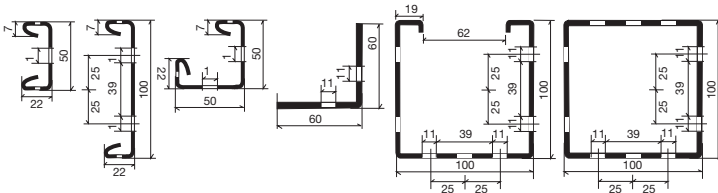
Best practice
Our catalogues contain many good examples on how to use our products. Learn about smart cost effective solutions compared with traditional installations. Read more in the main catalogues listed in page 2 or visit www.oglaend-system.com

Alternative opphengsløsninger: Alternative support solutions:

Opphengskinner: Support channels:

Materialtykkelser:
HDG = 2mm. SS = 1,5mm.

Material thickness:
HDG = 2mm. SS = 1,5mm.



T = tykkelse / thickness in mm

MultiGrid™ opphengssystem

Be om egen katalog for tekniske spesifikasjoner og belastningsdata.

MultiGrid™ Support system

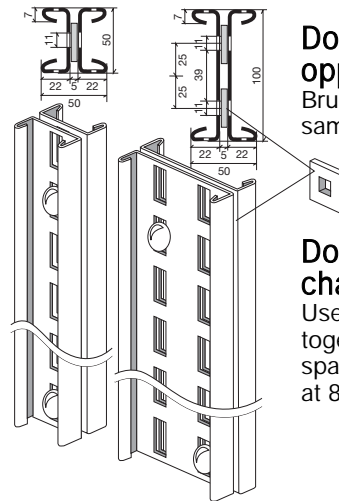
Ask for separate catalogue to find technical data and safe working loads.

4 Skinner Standard lengde 3m. *) 2,5m stdr.

4 Channels Standard length 3m. *) 2,5m stdr.

Type	HDG Art. no.	SS Art. no.	Weight SS (kg/m)
S-M CH100-1-3000	1371649	1371685	1,75
S-M CH50-1-3000	1371684	1371687	0,90
S-M CH50-2-3000	1302506	1371689	1,75
S-M CH100-3-2500	Be om vår MultiGrid™ katalog		
S-M CH100-4-3000	Ask for our MultiGrid™ catalogue		

Tekniske og belastningsdata på forespørsel.
Technical and load capacity data available on request.



Dobbelmonterte opphengskinner

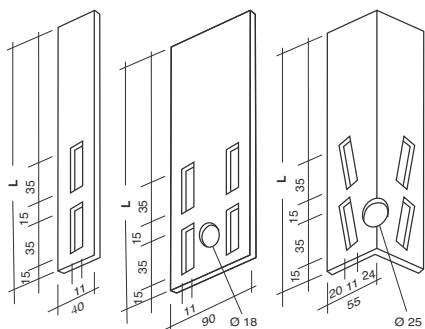
Bruk 1 stk. M10x20mm bolt sammen med distanseskiven S-M WA-11x30x5 for hver 80 cm.

Double mounted support channels

Use one piece M10x20mm bolt together with the quadrangular spacer S-M WA-11x30x5 at 80 cm intervals.

Distanseskive / Spacer

Type	HDG Art. no.	SS Art. no.	Weight SS (kg/m)
S-M WA-11x30x5	1372856	1371690	0,02



S-M WB-200-CH50-1

S-M WB-200-CH50-1

S-M WB-200-CH50-2

T = 6

T = 6

T = 6

T = tykkelse / thickness in mm

For sveisebraketter med ekstra styrke, spør etter vår katalog på MultiGrid™.

For welding brackets for extra heavy load, ask for our MultiGrid™ Catalogue.

Sveisebraketter Type nr. angir L= lengde

Welding Brackets Type no. state L= length

Type	Ubehandlet Black steel	SS Art. no.	Max. Load (kg)	Weight SS (kg)
S-M WB-125-CH50-1	1302511	1371695	4.000	0,3
S-M WB-200-CH50-1	1302512	1371696	4.000	0,5
S-M WB-125-CH100-1	1302507	1371691	8.000	0,5
S-M WB-200-CH100-1	1302508	1371692	8.000	0,8
S-M WB-300-CH100-1	1302509	1371693	8.000	1,2
S-M WB-125-CH50-2	82210*	82211	8.000	0,5
S-M WB-200-CH50-2	1302514	1371698	8.000	0,9
S-M WB-300-CH50-2	1302599	1371699	8.000	1,3

Standard material: EN 10025-S355J2.

Andre kvaliteter på forespørsel.

Standard material: EN 10025-S355J2.

Other specifications on request.

Tekniske og belastningsdata på forespørsel.
Technical and load capacity data available on request.

SPB: Kabelbaner for alle formål

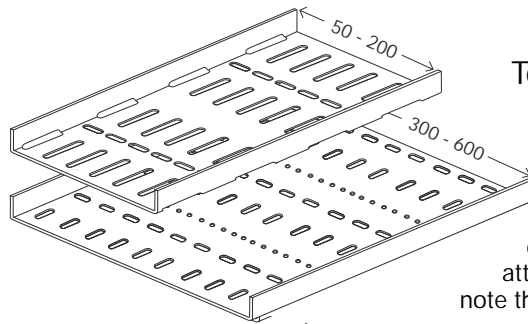
SPB: Cable Trays for all purposes

Sammen med ETIN-klammer er banene også velegnet til instrumentrør.

SPBE-20: En lett bane uten dødsoner for feste av instrumentrør og kabler. Full utnyttelse av banebredden med festemuligheter helt ut i kantene. Bemerk forskjellen i hullmønster over/under 200 mm bredde.

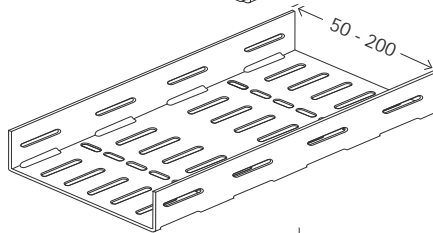
SPBE-40: En bane for middels belastninger for feste av instrumentrør og kabler. Full utnyttelse av banebredden med festemuligheter helt ut i kantene.

SPB-RF: En kraftig bane for store laster. Breddene 50 og 100 mm er velegnet til innendørs armaturoppheng. Bukket vange gir økt kapasitet, og mulighet for lengre opphengsavstander. Bemerk forskjellen i hullmønster over/under 200 mm bredde.

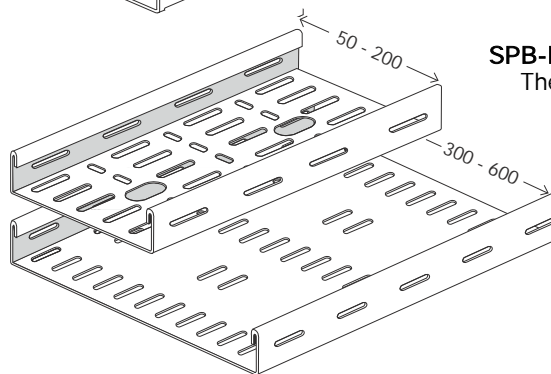


Together with the ETIN clamps the trays also are eminently suitable for tubing.

SPBE-20: A light duty tray without dead zones for mounting of tubing and cables. Full use of the tray width due to attachment facilities on the edges. Please note the different slot design up to and above 200 mm widths.



SPBE-40: A medium duty tray without dead zones for mounting of tubing and cables. Full use of tray width due to attachment facilities on edges.



SPB-RF: A heavy duty tray for heavy load. The widths 50 and 100 mm are suitable for lighting installations. The return flange (RF) results in increased load capacity and support spacing. Note the different slot design for 300 mm widths and wider.



Instrumentrør-installasjon fra Phillips Embla, Ekofisk, med doble ETIN klammer på SPBE 20. Det gir 4 rør pr. 5 cm bredde.

Tubing installation from Phillips Embla, Ekofisk, with double ETIN clamps on SPBE 20. That gives 4 tubes each 5 cm width.

ETIN® Tubing Clamps give 60-70% overall cost savings!

- It pays to use the ETIN from the very first clip!
- Compare the ETIN clamp with all competing clamps on the market.
- ETIN is developed for better project economy.
- Front-mounting is only one of the advantages.
- ETIN Clamps are safe in case of fire!



Type OE-CB-25
For 14 - 25 mm
or 5/8"- 1" pipes



Type OE-CBM
For 6-12mm or
1/4"-1/2" pipes

Bestillingsliste / Ordering list

SPBE-20 Bredder / Widths: 50-100-150-200 mm.

Best. nr. angir type + vangehøyde + banebredde.

Order no. state type + height of side piece + tray width.

Type	PG Art. no.	HDG Art. no.	SS Art. no.	AL Art. no.	Weight SS(kg/m)
SPBE-20-50	1372201	1371400	1371408	1372217	0,9
SPBE-20-100	1372203	1371401	1371409	1372219	1,4
SPBE-20-150	1372205	1371402	1371410	1372221	1,9
SPBE-20-200	1372207	1371403	1371411	1372223	2,4

Bredder / Widths: 300-400-500-600 mm.

SPBE-20-300	1372209	1371404	1371412	1372225	3,7
SPBE-20-400	1372211	1371405	1371413	1372227	4,8
SPBE-20-500	1372213	1371406	1371414	1372229	6,0
SPBE-20-600	1372215	1371407	1371415	1372231	6,9

SPBE-40

Best. nr. angir type + vangehøyde + banebredde.

Order no. state type + height of side piece + tray width.

Type	HDG Art. no.	SS Art. no.	AL* Art. no.	Weight SS(kg/m)
SPBE-40-50	1371740	1371745	1372233	1,3
SPBE-40-100	1371741	1371746	1372235	1,9
SPBE-40-150	1371742	1371747	1372237	2,3
SPBE-40-200	1371743	1371748	1372239	2,9
SPBE-40-300	1302008	1371749	1372241	4,0
SPBE-40-400	1302009	1371750	1372243	5,0

SPB-RF 40 and ETIN tubing clamps

Be om komplette kataloger.

Ask for complete catalogues.

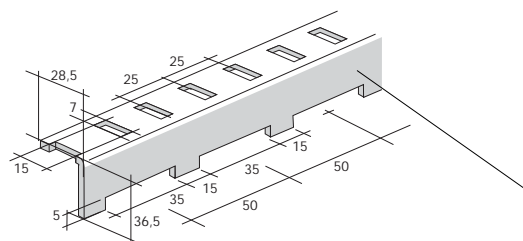
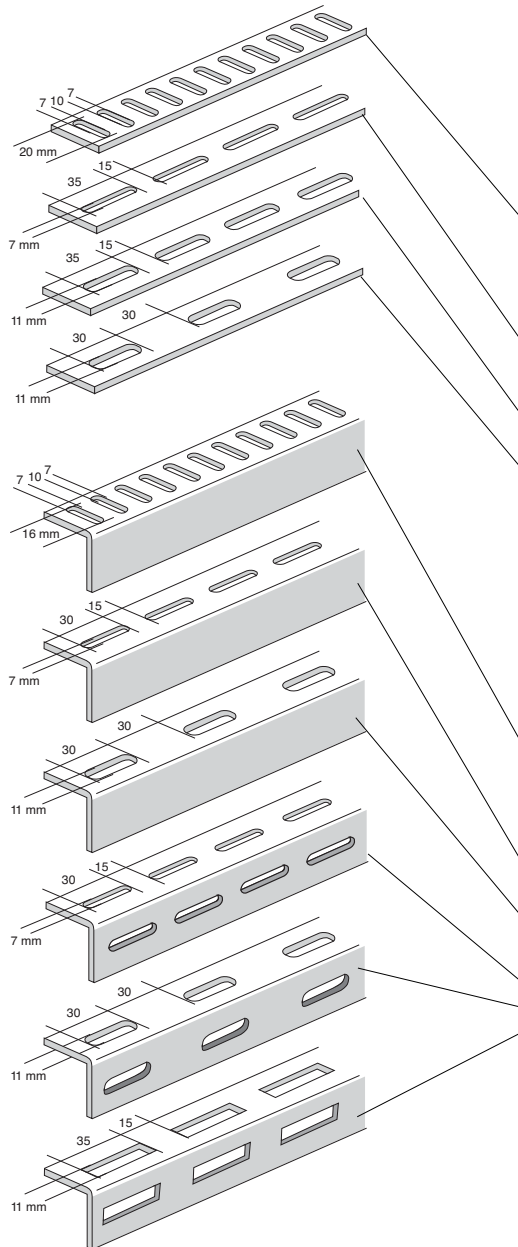
PR = Primet / Primed
 HDG = Varmgalv./ Hot Dip Galvanized
 SS = Rustfritt stål / Stainless Steel EN 1.4404
 ALU = Aluminium

Perforerte profiler

Benyttes til diverse oppheng og feste for baner, stiger og annen utrustning. Videre til skapskinner, tavlebygging ol.
 Leveres i 3m lengder.

Perforated Profiles

For various support of trays, ladders and electrical installations.
 Available in 3m lengths.



Flattstål / Flat Iron

Perforert på tvers / Crosswise perforated

Type	PR Art. no.	HDG Art. no.	SS Art. no.	ALU Art. no.	Weight HDG (kg)
FI-CW-7x20-30x5x3000	1372104	1372130			2,6
FI-CW-7x20-40x5x3000	1372105	1372131			3,8
FI-CW-7x20-50x4x3000	1372101	1372103			4,0

Perforert på langs / Lengthwise perforated

Type	PR Art. no.	HDG Art. no.	SS Art. no.	ALU Art. no.	Weight SS (kg)
FI-LW-7x35-25x5x3000	1372107	1372111	1371930		2,4
FI-LW-7x35-30x5x3000	1372108	1372112	1371931	78173	3,0
FI-LW-7x35-40x5x3000	1372109	1372113	1371932	78229	4,2
FI-LW-7x35-50x5x3000	1372110	1372114	1371933		5,5
FI-LW-11x35-40x5x3000	81477	81484	86858		3,9
FI-LW-11x30-50x5x3000		81485	1371935		5,4
FI-LW-11x30-40x6x3000			1371984		5,0
FI-LW-11x30-40x8x3000	1372100	1372102			6,6

Vinkelstål / Angle Iron

Perforert på tvers / Crosswise perforated

Type	PR Art. no.	HDG Art. no.	SS Art. no.	ALU Art. no.	Weight HDG (kg)
AI-CW-7x16-30x30x3x3000	1372132	1372134	1371942	78228	3,9
AI-CW-7x16-40x40x4x3000	1372133	1372140	1371943		6,9

Perforert på langs / Lengthwise perforated

Type	PR Art. no.	HDG Art. no.	SS Art. no.	ALU Art. no.	Weight HDG (kg)
AI-LW-7x30-30x30x3x3000	1372115	1372117	1371939		3,9
AI-LW-7x30-40x40x4x3000	1372116	1372118	1371940		6,9
AI-LW-7x30-50x50x3x2000				78045	1,5*
AI-LW-11x30-50x50x5x3000	1372119	1372120	1371941		10,7

Perforert dobbelt på langs / Double lengthwise perforated

Type	PR Art. no.	HDG Art. no.	SS Art. no.	ALU Art. no.	Weight HDG (kg)
AI-LW-7x30-40x40x4x3000			1371945		6,6
AI-LW-11x30-50x50x5x3000		78662	1371946		10,1
AI-LW-11x35-49x49x4x1500		82341	82342		3,6

Eksakte lengder opp til 1,5m leveres på forespørsel. *) Weight in ALU
 Predefined lengths up to 1,5m are supplied on request.

Sveiseprofil for tubingklammer

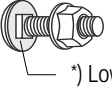
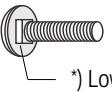
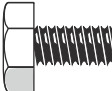
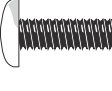


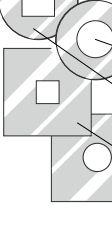
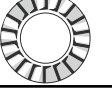
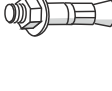

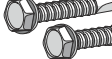
For rask og enkel tubing installasjon med ETIN tubingklammer.
 Leveres i lengder på 3m.

Welding Channel for tubing clamps

For quick and easy tubing installation with ETIN tubing clamp.
 Available in 3m lengths.

Type	PG Art. no.	HDG Art. no.	SS Art. no.	ALU Art. no.	Weight SS (kg/m)
RZ- WB	78463		78497		1

SKRUER / SCREWS TYPE

			STD. packs PG+HDG/SS	PG. Art. no.	HDG Art. no.	SS Art. no.
 <p>LÅSESKRUER LOCKING BOLT SETS m/linsehode og flensmutter With pan head and flange nuts Self-Lock only in SS</p>	M 6 x 12 *	S-M LS-NU-M6x12	200	1372750		1371981
	M 6 x 16 *	S-M LS-NU-M6x16	200			84487
	M 6 x 20 *	S-M LS-NU-M6x20	100			1371982
	M 6 x 30	S-M LS-NU-M6x30	100	1372749		1371361
	M10 x 20 *	S-M LS-NU-M10x20	100			1371983
	M10 x 25 *	S-M LS-NU-M10x25	100		1371980	84352
	M10 x 50	S-M LS-NU-M10x50	50		1371589	1371362
 <p>LÅSESKRUER LOCKING BOLTS *) Low High</p>	M 6 x 12 *	DIN 603 S-M LS-M6x12	200	1372167		1372161
	M 6 x 16 *	DIN 603 S-M LS-M6x16	200			84493
	M 6 x 25	DIN 603 S-M LS-M6x25	200 / 100	1372169		1372162
	M 6 x 50	DIN 603 S-M LS-M6x50	200 / 100	1371360		85520
	M10 x 20 *	DIN 603 S-M LS-M10x20	200 / 100			1372163
	M10 x 25 *	DIN 603 S-M LS-M10x25	100 / 50		1372765	84352
	M10 x 30	DIN 603 S-M LS-M10x30	100 / 50		86008	89821
	M10 x 35	DIN 603 S-M LS-M10x35	100			82709
	M10 x 50	DIN 603 S-M LS-M10x50	50			89822
	M10 x 70	DIN 603 S-M LS-M10x70	50			81396
	 <p>SEKSKANTSKRUER HEXAGONAL BOLTS Lengre utgaver leveres i DIN 931 delgjennet. Longer lengths in DIN 931 partly threaded.</p>	M 6 x 12	DIN 933 S-M HE-M6x12	200		
M 6 x 16		DIN 933 S-M HE-M6x16	200	1372171		1371318
M 6 x 20		DIN 933 S-M HE-M6x20	200	1372172		1371319
M 6 x 30		DIN 933 S-M HE-M6x30	200			1371320
M 8 x 20		DIN 933 S-M HE-M8x20	200		1371301	1371321
M 8 x 25		DIN 933 S-M HE-M8x25	200		1371302	1371322
M 8 x 30		DIN 933 S-M HE-M8x30	200		1371303	1371323
M10 x 16		DIN 933 S-M HE-M10x16	100	1372178		1371324
M10 x 20		DIN 933 S-M HE-M10x20	200 / 100		1371304	1371325
M10 x 25		DIN 933 S-M HE-M10x25	200 / 100		1371305	1371326
M10 x 30		DIN 933 S-M HE-M10x30	200 / 100		1371306	1371327
M10 x 35		DIN 933 S-M HE-M10x35	100		1371307	1371328
M10 x 45		DIN 933 S-M HE-M10x45	100		1371308	1371329
M10 x 50		DIN 933 S-M HE-M10x50	100		1371309	1371330
M10 x 55		DIN 933 S-M HE-M10x55	100 / 50		1371310	1371331
M12 x 25		DIN 933 S-M HE-M12x25	100		1371311	1371332
M12 x 35		DIN 933 S-M HE-M12x35	100		1371312	1371333
M12 x 45		DIN 933 S-M HE-M12x45	100 / 50		1371313	1371334
M10 x 40		DIN 933 S-M HE-M10x40	100		1371314	1371335
 <p>LINSESKRUER PAN HEAD SCREWS With Torx T30</p>		M 6 x 16	DIN 7985 S-M PS-M6x16	200	1372164	
	M 6 x 20	DIN 7985 S-M PS-M6x20	200	1372842		1372157
	M 6 x 25	DIN 7985 S-M PS-M6x25	200	84954		1372158
	M 6 x 30	DIN 7985 S-M PS-M6x30	200	1372166		1372159
	M 6 x 40	DIN 7985 S-M PS-M6x40	100	1372168		1372160
	Bits for torx T30 conical	Bits conical	Torx T30		1371417	
 <p>FLENSMUTTERE FLANGE NUTS Self-Lock only in SS</p>	6 mm	DIN 6923 S-M NU-FL-M6	200	1372843		1371971
	8 mm	DIN 6923 S-M NU-FL-M8	200	1372831		1371972
	10 mm	DIN 6923 S-M NU-FL-M10	200	1372832	1372180	1371973
	12 mm	DIN 6923 S-M NU-FL-M12	200			1371343
 <p>SEKSKANTMUTTERE HEXAGONAL NUTS</p>	M 6 x 10	DIN 934 S-M NU-M6	100	1372844		1372781
	M 8 x 13	DIN 934 S-M NU-M8	100		1372176	1371340
	M10 x 17	DIN 934 S-M NU-M10	100 / 50		1372845	1371341
	M12 x 19	DIN 934 S-M NU-M12	100 / 50		1372179	1371342
 <p>SKIVER WASHERS Type codes: ØD Ø t ◎ 10.5 x 20 x 2</p>	◎ 5x30.5x1.5	S-M WA-5x30.5x1.5	200			84394
	◎ 6x12x1.6	DIN 125 S-M WA-6.4x12x1.6	200			1372782
	◎ 6x18x1.6	DIN 125 S-M WA-6.4x18x1.6	200	1372175		1371349
	◎ 6x25x1.5	S-M WA-6x25x1.5	200	1372848		1371350
	◎ 8x16x1.6	DIN 125 S-M WA-8.4x16x1.6	100	1372849	1371345	1371351
	◎ 8x40.3x1.5	S-M WA-8x40.3x1.5	200			84345
	◎ 10.5x20x2	DIN 125 S-M WA-10.5x20x2	100		1372850	1371352
	◎ 12x24x2.5	DIN 125 S-M WA-13x24x2.5	100		1371346	1371353
	◎ 7x30.4x1.5	S-M WA-7x30.4x1.5	200			84562
	◎ 11x32x1	S-M WA-11x32x1	200			1371354
	◎ 7x35x2	S-M WA-7x35x2	200	1371594		
	◎ 10x(29x33)x3	S-M WA-10x(29x33)x3	200	84110		
 <p>STJERNESKIVER STAR WASHERS</p>	M 6	DIN 6798 S-M SW-M6	200	1372852		1371355
	M 8	DIN 6798 S-M SW-M8	100			1371356
	M10	DIN 6798 S-M SW-M10	100	1372854		1371357
	M12	DIN 6798 S-M SW-M12	100	1371359		1371358
 <p>EKSPANSJONSBOLTER CONCRETE ANCHOR BOLTS Kvaliteter: V.G. = 5.8 Qualities: S.S. = A4-70 P.G. = 5.8</p>	M 6 x 40	S-M AC-6x40	100	1372767		
	M 6 x 52	S-M AC-6x52	100			1371368
	M 8 x 50	S-M AC-8x50	100	1372768		1371369
	M 8 x 60	S-M AC-8x60	100		1371364	
	M10 x 60	S-M AC-10x60	50	1372769	1371365	1371370
	M10 x 92	S-M AC-10x92	50		1371366	1371371
M12 x 110	S-M AC-12x110	25			89823	
 <p>SELVBORENDE SKRUER Inntil/Up to 1 mm stålplate/steelplate Inntil/Up to 3 mm stålplate/steelplate Inntil/Up to 3 mm stålplate/steelplate</p>	I 100-pakn. / SELF-TAPPING SCREWS in packs of 100					
	4.2 x 13mm	32-PH	100	1349417		
	4.2 x 14mm	34-PH	100	1372820		
4.2 x 25mm	36-PH	100	1372821			
 <p>SELVBORENDE RUSTFRIE SKRUER / SELF-TAPPING STAINLESS STEEL SCREWS For opp til 2.5mm tykkelse For up to 2.5mm thickness Bits for Marutex</p>	4.8 x 13 mm	MARUTEX M4.8x13 SS in A2 quality	100			1371373
	4.8 x 25 mm	Marutex M4.8x25 SS in A2 quality	100			1371374
	Bits			1371375		

Maks tiltrekningsmoment / Max tightening torque for Self-Lock Flange Nuts: M6 = 8-10Nm, M8 = 20-23Nm, M10 = 40-45Nm, M12 = 80-85Nm

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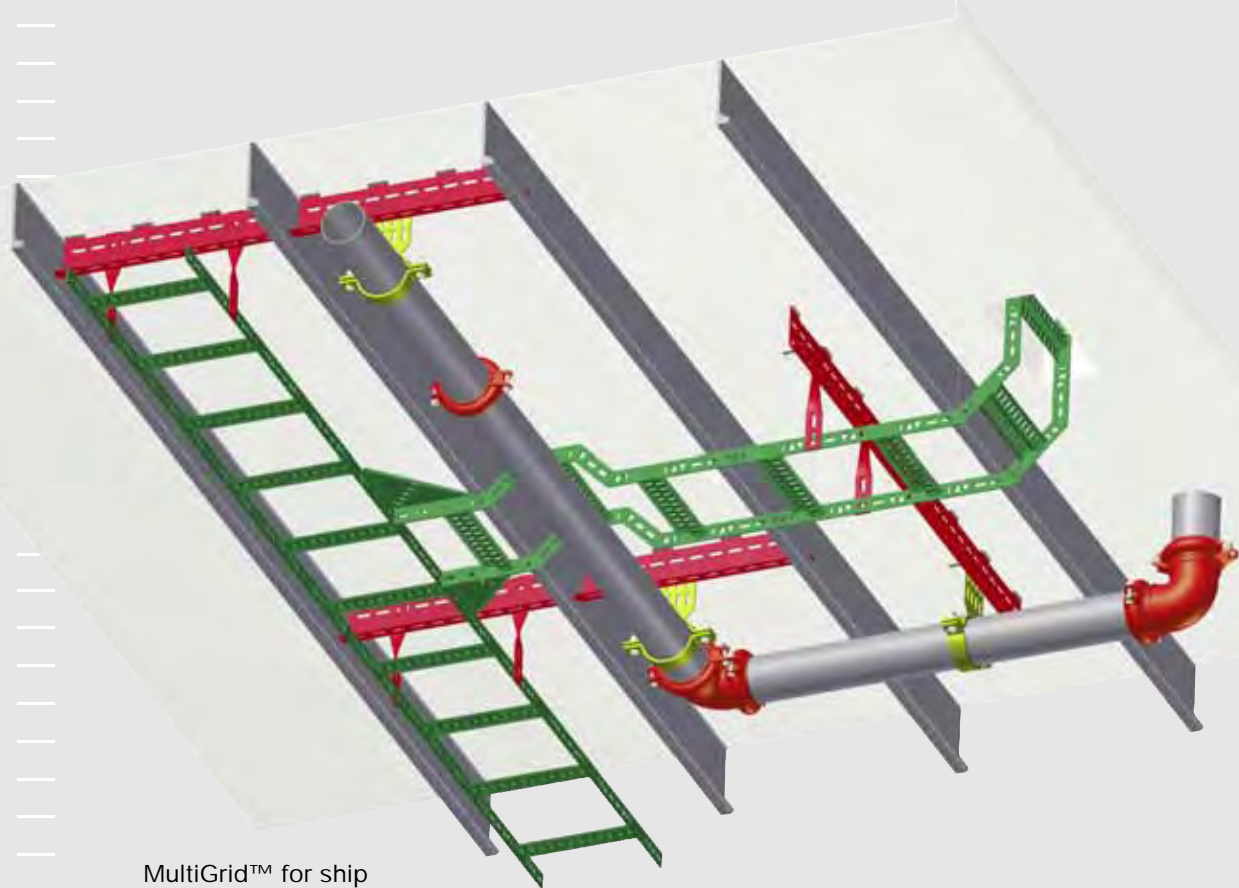
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MultiGrid™ for ship

SIMPLY THE BEST!

Dette har vært vårt motto helt siden firmaet ble grunnlagt i 1977.

Ved å følge dette mottoet har vi blitt markedslederen innen våre felt – globalt.

Øglænd Systems mål er å utvikle systemer som er de beste, enkleste og mest økonomiske på markedet.

This has been our motto since the company was founded in 1977. By living up to the motto we have become the market leader in our field – worldwide.

Oglaend System´s goal is to develop systems that are better, simpler and more economic overall.



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