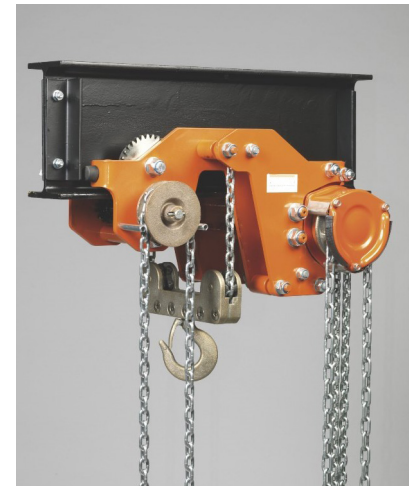
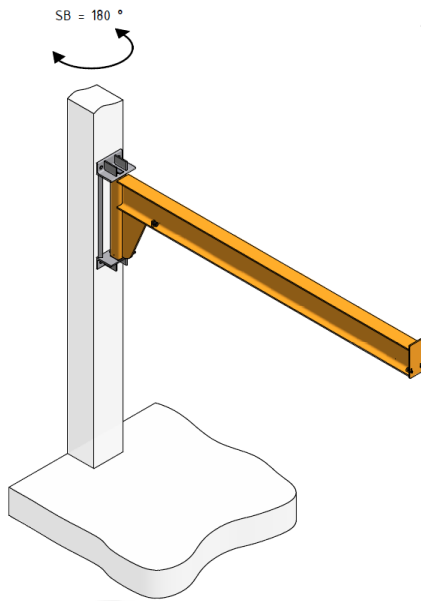
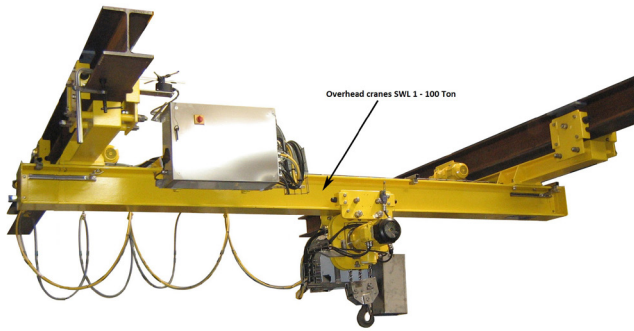
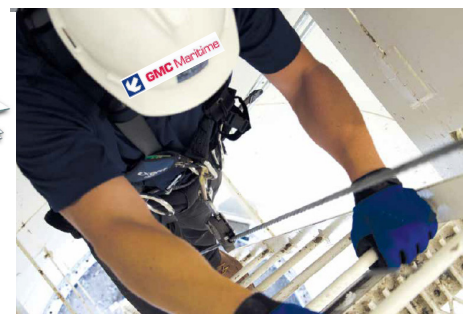


Product catalogue

Lifting and Transport Equipment



**Manual operated
or motorized for
safe zone and EX
zone 1 & 2.**



INDEX

1. Cranes

- a. Overhead cranes
- b. Offshore & marine deck cranes
- c. Slewing cranes
- d. Lightweight cranes
- e. Gantries & tripods
- f. Workshop cranes

2. Hoists & trolleys

- a. Manual operated
- b. Motorized hoists and low headrooms
- c. Trolleys

3. Winches

- a. Air, electric & hydraulic operated

4. Deck trolleys / trailers

5. Lifting tables , scissor lifts & personnel lifts

6. Forklift & stackers

7. Fall arrest for ladder

8. Misc transportation

- see also section 4 above

9. Miscellaneous:

- a. Spreader bar
- b. Load celled
- c. Beam clamps

1. Cranes

- a. Overhead cranes
- b. Offshore & marine deck cranes
- c. Slewing cranes
- d. Lightweight cranes
- e. Gantries & tripods
- f. Workshop cranes

Overhead Cranes

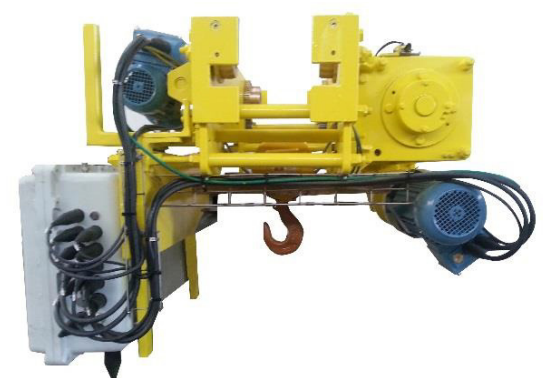
Underslung (suspended) cranes are the best as versatility and features, matching requirements of hazardous areas. Our program includes single and double girders, we offer solutions with rolled steel sections, welded steel box and crane kits



Since no vessel and environment is the same, all our overhead cranes are tailor made for your needs and capacities.

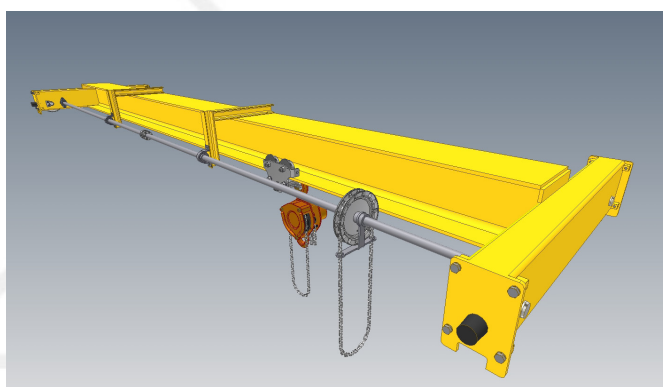
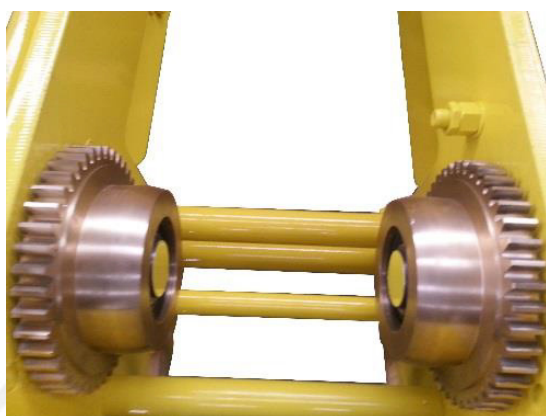
Contact us for information on what can be custom made for you.

Capacity: 100 kg - 200 Ton
Manual, Electric, Hydraulic or Air driven

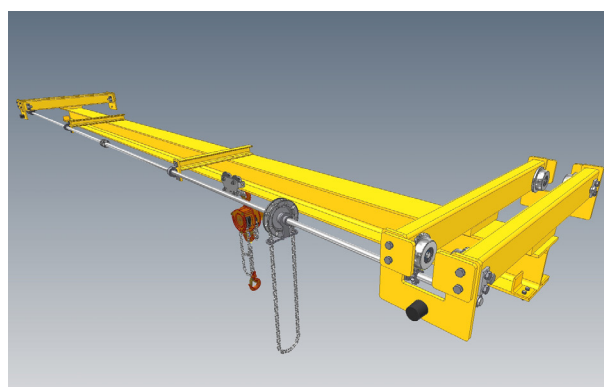


Options:

- Load limiter
- Up/down limit switch
- Bronze wheels
- High quality finish
- High performance motors
- Anti-condensation heaters
- Thermal probes
- Atex Zone 1 or 2 certification
- IP56 protection or higher
- Capacities that reach your demands.
- Rack and pinion transmission
- Stainless steel wire rope
- Stainless steel hook block
- Stainless steel bearing
- Sliding assembly of trolley wheels for easy erection.
- Emergency lowering
- NORSOK



Overslung crane



Underslung crane

Offshore and Marine Deck cranes



GMC OFFER A FULL RANGE OF OFFSHORE AND MARINE CRANES

- Manufactured since 1990 under ISO9001 certification.
- Hydraulic design with electric or diesel power pack.
- Capacity from 10 tm cargo crane up to 5000 tm offshore crane.
- Suitable for general cargo handling, service work or offshore applications with man lift, CT, AHC, AOPS, etc.
- Design acc. to DIN15018, API 2C, ATEX or other spec.
- 3. party design approval (DNV, ABS, LRS, RINA or other)
- Each crane comes tested and certified prior to delivery.
- Installation and testing by GMC or customer.



OUR DIFFERENT CRANE MODELS:

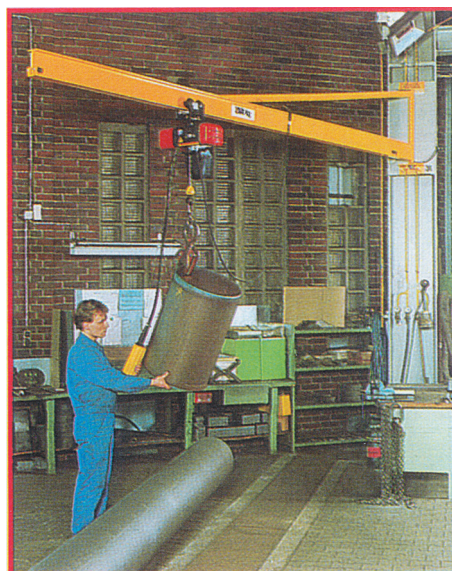
- Stiff boom - 10 to 5000 tm
- Telescope - 10 to 5000 tm
- Knuckle Telescope - 10 to 500 tm
- Elbow knuckle – 10 to 4000 tm
- Foldable knuckle telescope – 5 to 120 tm
- SOLAS / IMO Rescue crane
- A-frame – 5 to 250 Ton



Slewing Cranes



Slewing jib crane is delivered with 3m crane boom as standard. The crane can be extended up to 20m with equivalent lifting capacity. Extension is done with standard guide rail, without changing the oblique bar. Wall mounted cranes are bolted or welded to a wall or pillar. Make sure that the wall or pillar stands the weight. With the oblique bar you can adjust the guide rail in level.



Wall mounted cranes Capacity from:

80 kg on 2m up to max. 10 Ton on 20m

Column mounted cranes can be turned 360°. The crane can be equipped with sliding contacts, this enables the crane to rotate several turns. The crane can be equipped with electrical, air, hydraulic or manual function on the rotation.



Column mounted cranes

Capacity from:

80 kg on 2m up to max.
20 Ton on 20m

Special cranes up to:
80 Ton on 10m

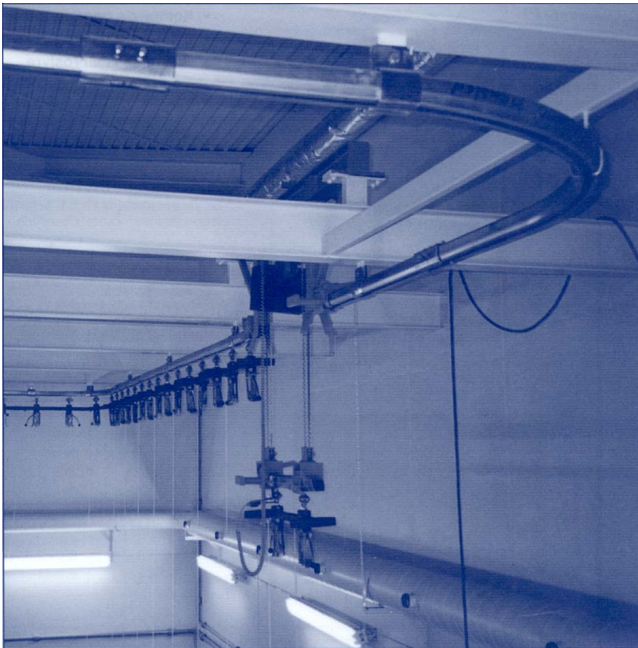


**The cranes can be equipped with:
Air operated, hydraulic, electrical
or manual hoist or trolley.**

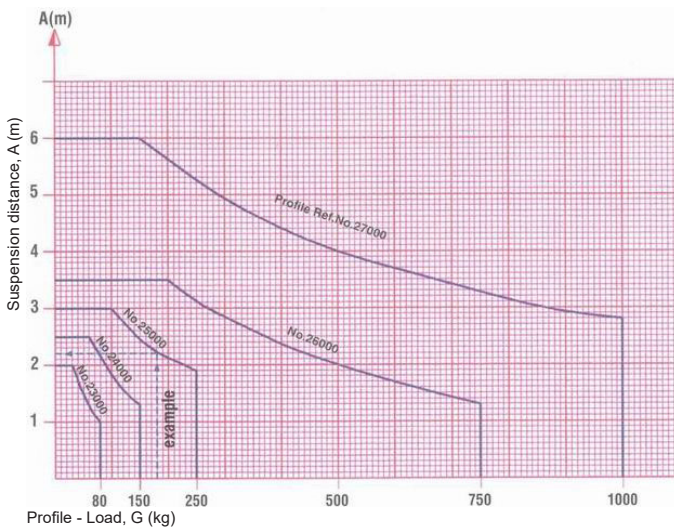
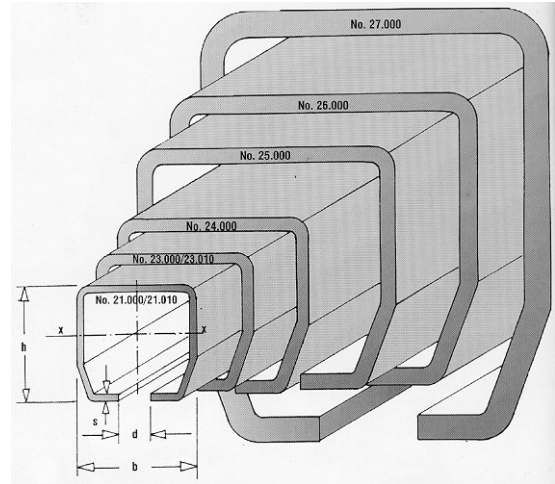
Lightweight crane system

Capacity 40 to 2000 kg

Span up to 6 meter



- Easy installation
- Six profiles (6m span)
- Competitive tendering
- Monorail and crane construction
- Complete conveyor systems
- Bends, switches and turntables
- Ask for our special brochure
- Optional in stainless steel

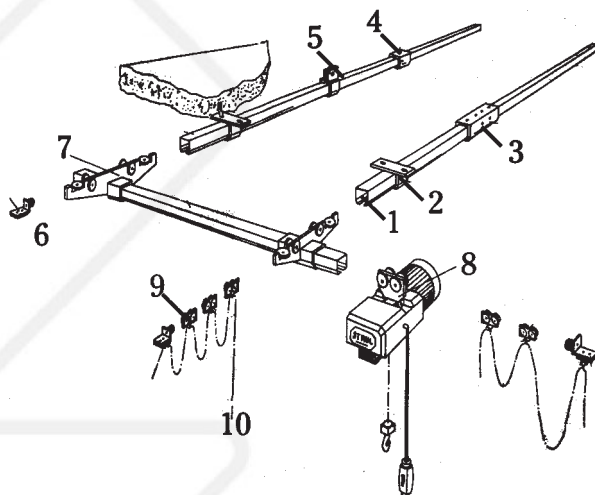


Weight chart

With dimensioning according to the weight chart below the diagram is based upon:

- 10% dynamic load
- 10% horizontal force
- The tracks own weight
- Flange strain with 4-wheels trolley
- Deflection 1:400

Dimension	Track number			
	24 000	25 000	26 000	27 000
d mm	15	18	22	25
b mm	48,5	65	80	90
e mm	24,8	34	42	60
h mm	43,5	60	75	110
s mm	3,5	4	5	7
q kg/m	3,8	6,1	9,5	16,8
Ix cm ³	13,3	36,3	88,2	315
Wx cm ³	4,8	10,7	21	52



Pos	Description	Type			
1	Track profile	24.000	25.000	26.000	27.000
2	Ceiling support bracket	24.B02	25.B02	26.B02	27.B02
3	Splice joint	24.B49	25.B49	26.B49	27.B49
4	Weld on support bracket	24.B00	25.B00	26.B00	27.B00
5	Split support bracket	24.B03	25.B03	26.B03	27.B03
6	Track end stop	24.K02	25.K02	26.K02	27.K02
7	Track location trolley	24.T54	25.T54	26.T54	27.T54
8	Trolley with eye	24.T10	25.T10	26.T10	27.T10
8	Trolley with bolt	24.T46	25.T46	26.T46	27.T46
9	Cable trolley	24.L00	25.L00	26.L00	27.L00
10	Cable	4x1,5	4x1,5	4x1,5	4x1,5

Gantries, Davits & Tripods



Lightweight and portable gantries in aluminum. Capacity from 0,5T - 10T



Innovative, lightweight, portable, safe and very strong gantries in aluminum.



Lightweight and portable Davits and Tripods in aluminum.



Capacity
0,5T - 1T



Various
T-Davit
models
up to
0,5T



Capacity
0,1T - 1T



Davits in “LEGO”system

When accessibility for crane or transport trolley is unavailable;

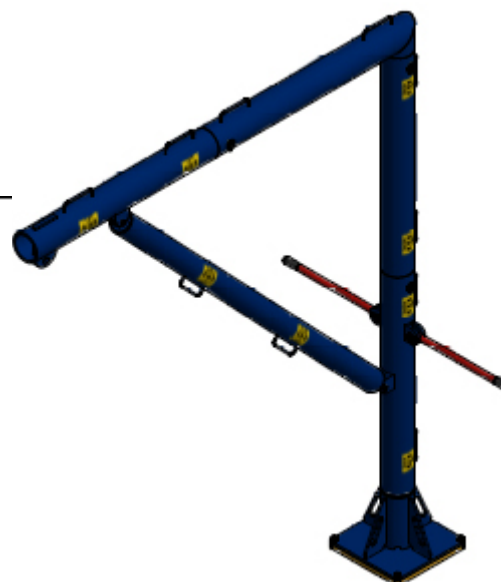
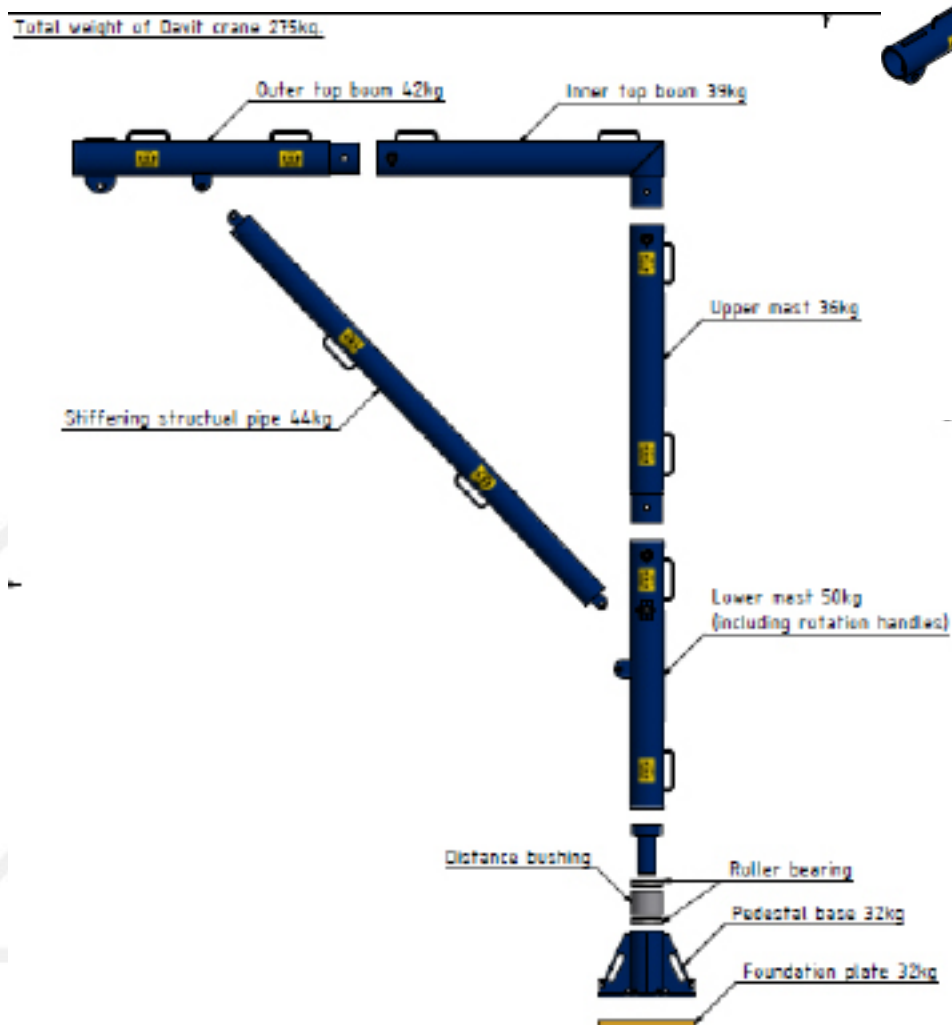
- carry the Davit in parts to site
- assemble at site by LEGO system
- no bolts or nuts are needed

FEATURES:

All parts have carrying handles

- Maximum weight for parts carried by 2 persons : 50 kg
- Fixed or rotating column
- Manual roating using roating bar
- Pad-eye for hoist

Typical Davit drawing with block system:
Height: 2700 x boom length: 2400.



Workshop cranes



Industrial workshop cranes

Industrial sturdy crane, reliable and durable - suitable for continuous use in production application. Test manual complete with swivel hook and foot protection.



	kg/mm	HB1000N06	HB2000N06	HB3000N06
capacity	kg	1000	2000	3000
max. lift height	mm	3750	4900	4900
free jib in front of hydraulic	mm	2500	3200	3200
free jib in front of wheels	mm	1488	1730	1635
clearance width	mm	980	1250	1600
clearance height	mm	1625	1950	1950
weight	kg	300	500	800

Counterweight workshop cranes

Industrial counterweight crane, sturdy, reliable and durable, suitable for continuous use in production. Test manual complete with swivel hook and foot protection.



	kg/mm	HB 500GK	HB 1000GK
capacity	kg	500	1000
max. lift height	mm	3000	3000
free jib in front of the hydraulic	mm	1550	1550
free jib on front of wheels	mm	1630	1630
clearance width	mm	800	800
chassis length wheel base	mm	990	1590
weight without filling	kg	350	350
counterweight	kg	850	850

Industrial counterweight crane, sturdy, reliable and durable, suitable for continuous use in production. Test manual complete with swivel hook and foot protection.



	kg/mm	HB2000GKN
capacity max	kg	2000
max. lift height	mm	5100
free jib in front of hydraulic	mm	3250
free jib in front of wheels	mm	3125
chassis length (wheel base)	mm	2250
weight without filling	kg	615
weight filling, not included	kg	1950
more techn. dates on request	-	-

Counterweight small crane for occasional use. New crane with test manual. Special versions on request .




		ITI250	ITI350	ITI500
capacity	kg	250	350	500
max. lift height	mm	2800	2800	2800
jib length	mm	2085	2085	2085
free jib in front of wheels	mm	1625	1625	1625
chassis length/ wheel base	mm	1500	1500	1500
chassis width	mm	800	800	800
weight with counterweight	kg	400	435	470

Swivel crane

Industrial crane with swivelling jib, sturdy, reliable and durable - suitable for continuous use in production application. Test manual provided complete with swivel hook and foot protection.




	kg/mm	HB300GS90	HB500GS270	HB600GS100	HB1500GS360
capacity	kg	300	500	600	1500
pivoting range	degree	90	270	100	360
max. lift height	mm	3000	3235	3235	4600
free jib in front of wheels	mm	1450	1500	1550	2035
clearance width	mm	900	1000	1000	1360
clearance height	mm	1660	1900	1900	2250
weight	kg	700	1100	1250	1630

Lightweight cranes

Light construction crane for occasional use, Test manual provided.



		L1500	L2000
capacity	kg	1500	2000
max. lift height	mm	1825	1910
jib length	mm	1825	1910
free jib in front of hydr./wheels	mm	1320/0	1410/0
clearance width	mm	1150	1350
clearance height	mm	1935	1935
weight	kg	195	245



		F500PK	F1000PK
capacity	kg	500	1000
max. lift height	mm	2360	2360
jib length	mm	1130/1430	1130/1430
free jib in front wheels	mm	0	0
clearance width	mm	1000	1000
clearance height	mm	1680	1680
weight	kg	135	140

Special cranes built according to customer specifications



Atex



V2A



2. Hoists & trolleys

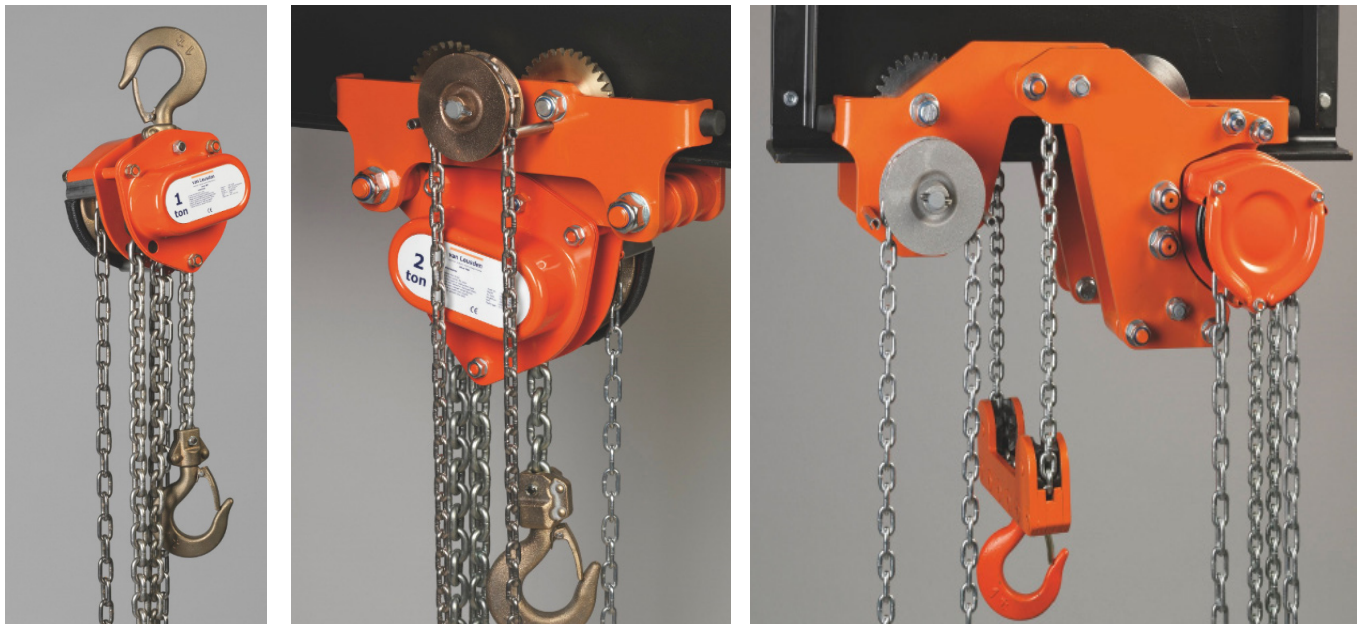
- a. Manual operated
- b. Motorized hoists and low headrooms
- c. Trolleys

Manual hoists, trolley-hoists & low headrooms



Capacities 250 - 25,000 kg

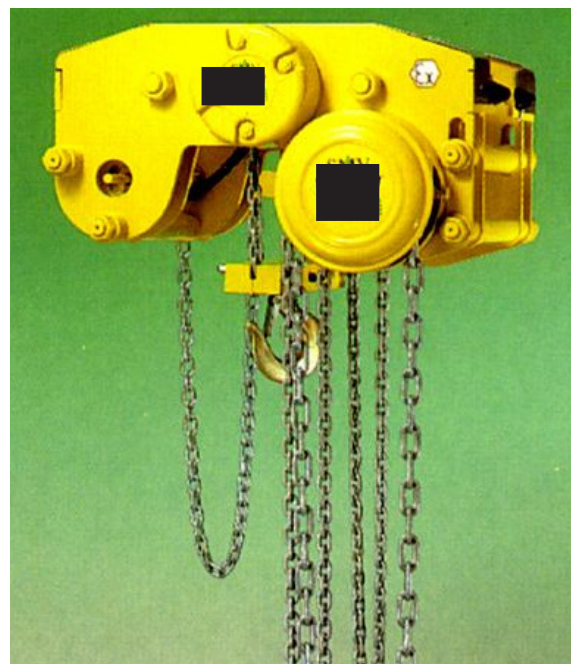
- See below various design
- Optional features: EX area, surface coating, stainless steel



Standard manual chain hoists, combined trolley-hoist and low head rooms. Suitable for safe zone or EZ zone 1 and 2.



Combined trolley & hoist



Low headroom trolley-hoists

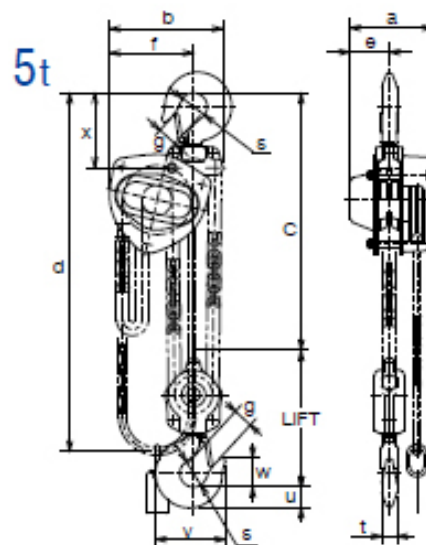
Kito manual chain hoists, Model CB with overload protection



Capacities : 0,5T - 50 T

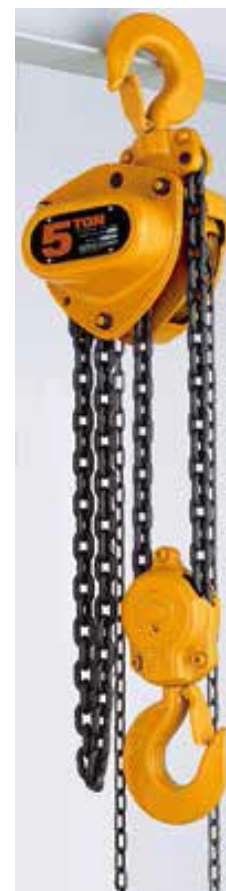
Typical 5 T chain hoist.

See tables below for dimension
and specification



■ DIMENSIONS (mm)

Rated Load (W.L.L.) (t)	Headroom :C	a	b	d	e	f	g	s	t	u	v	w	x
0.5	285	158	161	2500	69	99	27	35.5	12.1	17	77	35	89
1	295	162	161	2500	71	99	29	42.5	16	21.8	93	41	101
1.5	350	171	182	2500	78	112	34	47.5	19.5	26.5	106	47	119
2	375	182	202	3000	87	125	36	50	21.8	30	116	49	124
2.5	420	192	233	3000	91	143	40	53	24.3	33.5	126	53	136
3	510	171	235	3100	78	162	42.5	56	27.2	37.5	138	57	148
5	600	192	282	3600	91	194	46.5	63	34.5	47.5	161	67.5	172
7.5	770	192	373	4200	91	253	72.5	85	47.5	63	231	97.5	275
10	760	192	438	4200	111	308	72.5	85	47.5	63	231	97.5	295
15	1020	268	492	4700	119	337	80	100	60	80	275	110	320
20	1180	374	746	4800	187	373	81	110	67	90	301	125	351
30	1300	404	746	4800	202	373	103	125	85	112	367	143	400
40	1480	502	760	4900	251	380	96	145	123	133	412.5	182.5	445
50	1560	544	796	4900	272	398	100	165	135	155	447.5	202.5	467



■ SPECIFICATIONS

Rated Load (W.L.L.) (t)	Code	Std Lift (m)	Hand Chain Folded Length (m)	Chain Pull to Lift Full Load (N/kgf)	Chain O'hauled to Lift Load One Meter (m)	Load Chain Dia.xChain Fall (mm)	Test Load (t)	Mass [Net weight] (kg)	Shipping Mass [weight] [approx.](kg)	Mass [weight] in kg for Additional One Meter of Lift (kg)
0.5	CB005	2.5	2.5	235 [24]	25	5.0x1	0.75	10	10.5	1.5
1	CB010	2.5	2.5	284 [29]	43	6.3x1	1.5	11.5	12	1.8
1.5	CB015	2.5	2.5	343 [35]	57	7.1x1	2.4	14.5	15	2.1
2	CB020	3.0	3.0	353 [36]	70	8.0x1	3	20	21	2.3
2.5	CB025	3.0	3.0	323 [33]	99	9.0x1	3.8	27	28	2.7
3	CB030	3.0	3.0	353 [36]	114	7.1x2	4.8	24	26	3.2
5	CB050	3.0	3.5	333 [34]	198	9.0x2	7.5	41	43	4.4
7.5	CB075	3.5	4.0	343 [35]	297	9.0x3	9.5	63	66	6.2
10	CB100	3.5	4.0	353 [36]	396	9.0x4	12.5	83	91	7.9
15	CB150	3.5	4.5	383 [37]	594	9.0x6	20	155	165	11.4
20	CB200	3.5	4.5	353 [36] x2	396x2	9.0x8	25	235	305	15.8
30	CB300	3.5	4.5	421 [43] x2	495x2	9.0x10	40	310	400	19.2
40	CB400	3.5	4.5	421 [43] x2	693x2	9.0x14	50	480	630	26.2
50	CB500	3.5	4.5	480 [49] x2	792x2	9.0x16	62.5	640	790	29.7

3T-5T

AIR & HYDRAULIC HOISTS



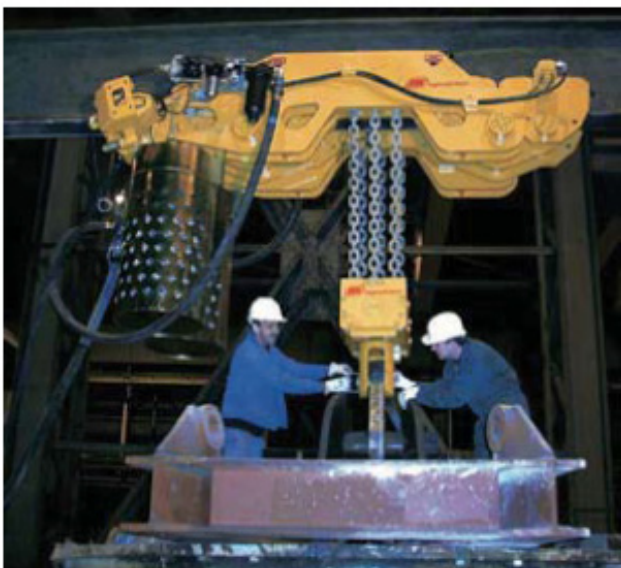
- CHAIN & WIRE HOIST
- LOW HEADROOM TROLLEY-HOISTS
- ULTRA LOW HEAD ROOM TROLLEY-HOISTS

Rugged and compact design with limit switches, automatic multi disc brake, variable speed and overload protection. Suitable for hazardous explosion proof environments.

From 0,25 T to 100 T



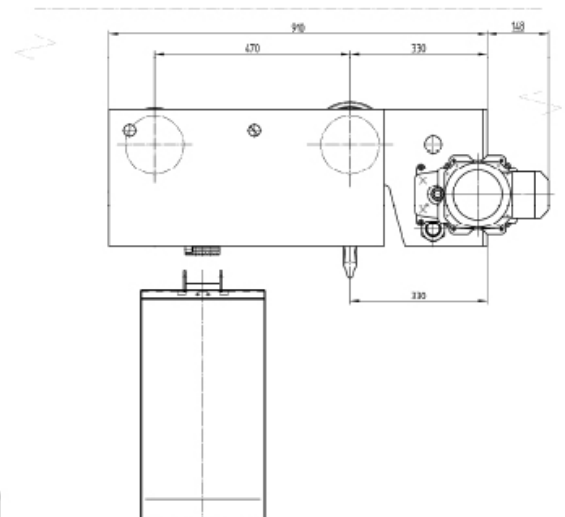
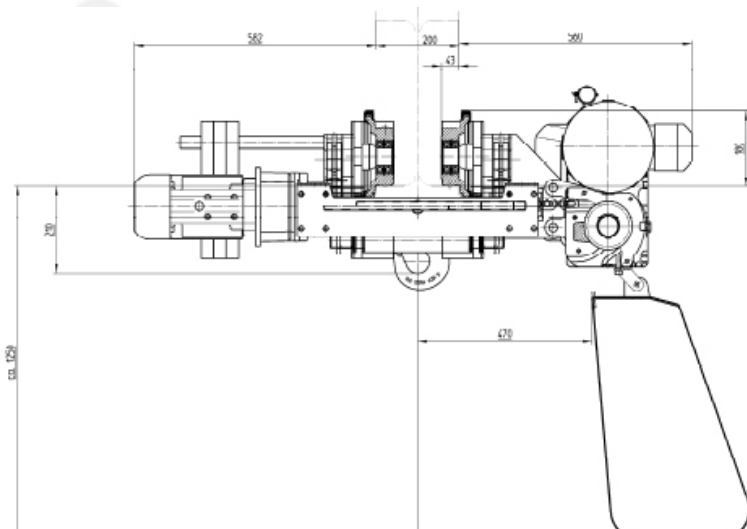
Ultra low headroom trolley-hoists, available up to 100 T on request



Electrical operated trolleys, trolley-hoists and low headrooms.

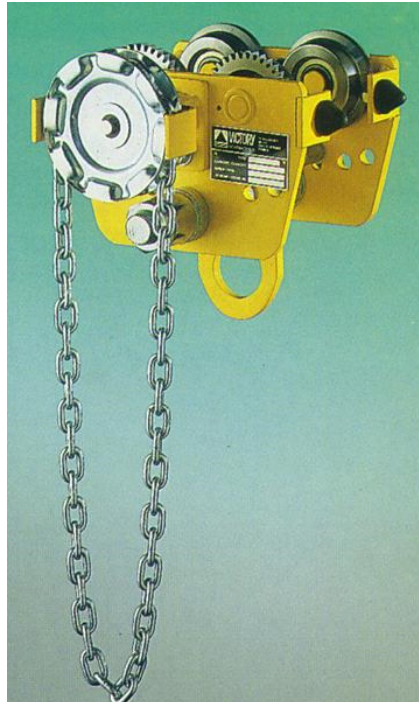
Capacities 60 - 50,000 kg

- See below various design
- Optional features: EX area, surface coating, stainless steel.



Manual trolleys

- See below various design
- Optional features: EX area, surface coating, stainless steel.



3. Winches

Air, electric & hydraulic operated winches

Winches

Air, electric or hydraulic operated winches

Suitable for EX environment

LIFTING WINCHES

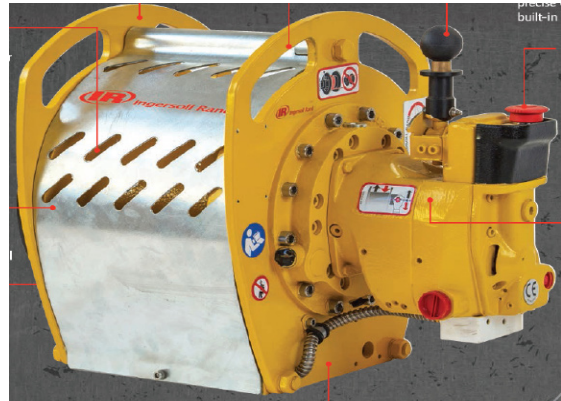
Rugged compact and versatile design. Heavy winches with capacities from 2 to 10 tons



PORTABLE WINCHES

Rugged and compact design. Easy to move, almost maintenance free.

Portable winches, capacities from 150 to 2000 kg.



ELECTRIC WINCHES

Capacities from 2000 to 5000 kg.



MANRIDER WINCHES - specially designed to minimize the risk of lifting people. Capacities from 150 kg (for fixed and floating installations) up to 3100 kg.



PULLING WINCHES

Capacities from 2250 to 7500 kg.

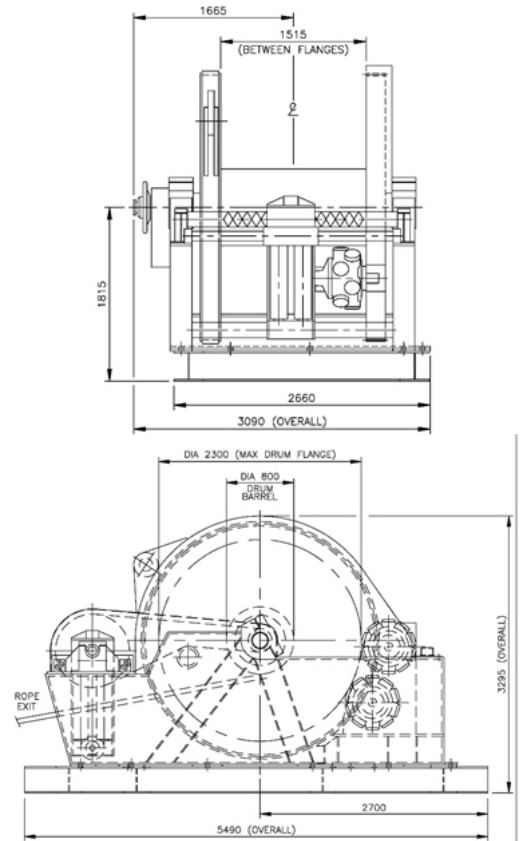


Winches

Capacities: 10 - 200 Ton

Base mounted electric and hydraulic winches

- Application: Lifting and pulling
- Line pull: Variable up to max winch capacity on 1st layer.
- Line speed: Variable depending on supplied power pack.
- Drum storage: Variable depending on required rope diameter.
- Winch control: Via remote manually operated control stand or radio.
- Winch fastening: Bolted or welded via deck plates, secondary base frame or mounting brackets.



Typical 90 T winch



Typical 200 T winch



Typical 40 T winch

4. Deck trolleys / trailers

Deck trolleys / trailers



When crane or forklift cannot be used, trolleys are the solution!

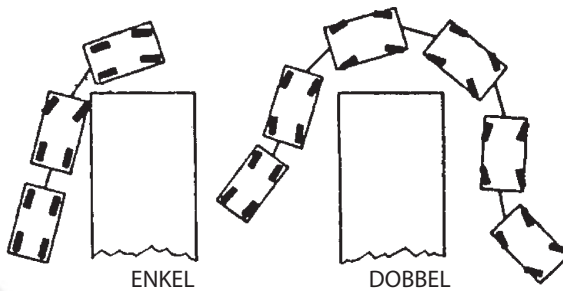
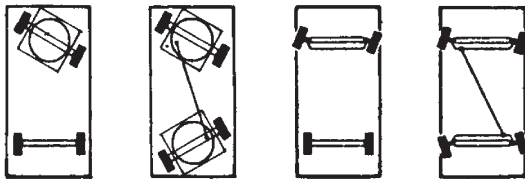
- Manual or motorized trolley
 - Electrical, Hydraulic or Air driven
- Standard equipment or custom designed
- 360 degrees turning or strait lane
- Low center of gravity
- For transport of material with special and difficult shape
- Rubber wheels or belt
- Capacity from 100 kg - 50T

Examples of typical motorized trolleys for offshore use:

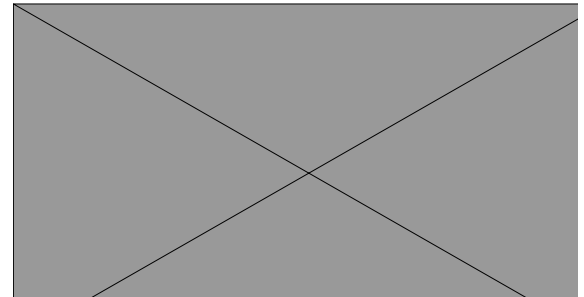
Electrical



Steering system as per requirement, ie single or double turntable shaft



Air-Hydraulic



Battery (electrical)



Options

- EX classification /ATEX
- Surface resistant
- Project documentation
- FAT at GMC workshop

Manual trolleys / trailers

Capacity 50 kg - 50 Ton



Standard or custom designed



5. Lifting tables, scissor lifts & personnel lifts

Lifting tables

Capacity up to 50 T



Various models of lifting tables to suit your individual needs.

- Suitable for safe zone and EX zone 1 & 2
- Lifting height up to 20 meter
- Table dimension up to 8 meter length
- with wheels, load cell, etc



Special manual lift table-trolley for zone 1.



Mobile Scissor Lift

Personnel lift suitable for 1-2 persons. Max capacity 220 kg



GMC

Electric (battery) operated. Suitable for EX environment, zone 1 & 2

Lifting range:

Description:

	Model 1	Model 2
Platform height	5,8 meter	7,9 meter
Working height	7,8 meter	9,8 meter
Overall height		
when folded	1,8 meter	1,9 meter
Dimensions (L x w)	1,83 x 0,81 m	2,44x0,81m
Total basket length	2,74 meter	3,33 meter

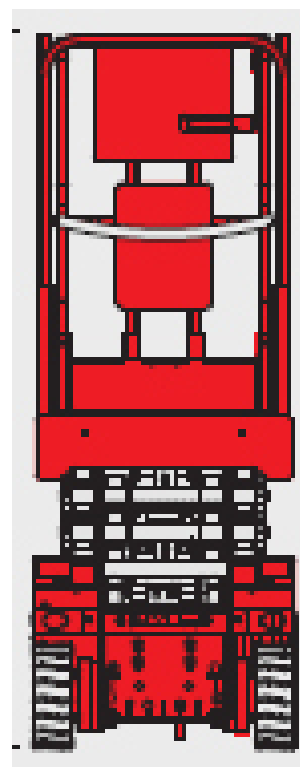
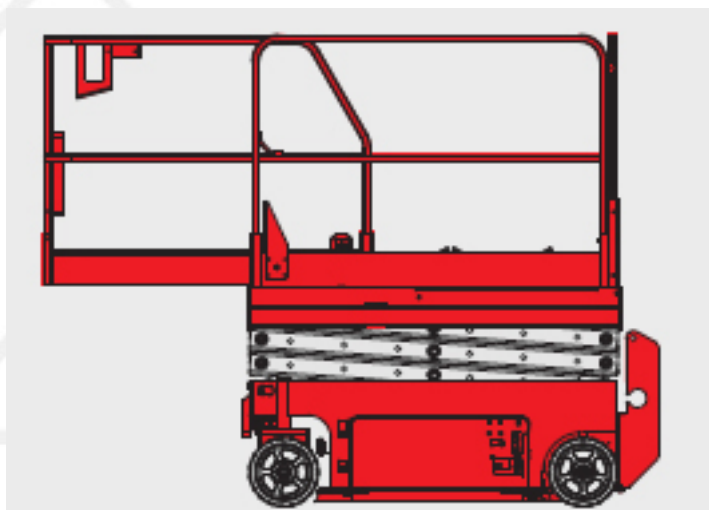
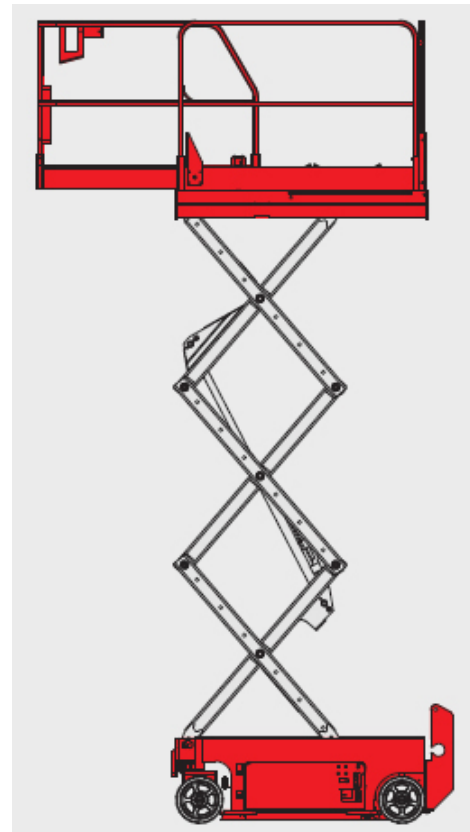
Weight	1503 kg	1959 kg
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Standard equipment:

- Proportional switches/levers
- Integrated charger 19Ah / 24V
- Batteries 225Ah / 4 x 6V
- Emergency manual descent
- Negative braking system
- Sound warning system

Options:

- Working light
- Special paint
- Warning signal



Manual personnel lift platform



- Scaffolding or ladders are not needed
- The lift is battery and power free
- Very low maintenance
- Marine surface protected

Special features:

- Simply turn the handle to raise
- Lifting speed: 11 seconds to top level
- Easy to move (by pushing)
- Deck and grating friendly wheels
- For outdoor operation
- Deck heeling up to 3 degrees
- Wind force up to 12,5m/s

Simply turn the handle...



Deck and grating friendly wheels and chassis.



Dimensions for model 1:

Maximum working height:	4,20m
Maximum platform height:	2,20m
Basket dimensions:	0,85m x 0,64m
Working footprint:	1,28m x 0,95m
Safe working load:	150kg
Maximum manual force:	200N
Maximum operational gradient:	3°
Maximum wind force:	12,5m/sec
Maximum wheel force:	165kg
Maximum castor point load:	165kg (1.62kN)
Sound pressure level:	Less than 70dBa
CLOSED DIMENSIONS	
Length:	1,28m
Width:	0,95m
Height:	1,95m
Weight:	354kg
Life cycles	Unlimited *)

Personnel lift, Model 2, is slightly smaller, with a max working height of 3,5m & platform height 1,5m

*) When maintenance is followed.

Personnel Access Lift



To be used for quick inspection.

Easy to handle & operate

Approved for zone 1 area

Electric battery driven



Dimensions:

Max. Working Height	3.50 m
Platform Dimensions	720 x 600 mm
Safe Working Load	150 kg
Noise Level	< 70 dBA

Closed Dimension

Length	1029mm
Width	880mm
Height	1590mm
Weight	250kg



6. Forklift & stackers

Electrical 4-wheel counterbalance fork-lift truck



For use in explosion hazardous areas zone 1 & 2.
Load capacity 1,2T - 3,0T



Standard equipment:

- AC Technology ensuring controlled acceleration and deceleration
- ASM driving control
- Hydraulic steering
- Duplex-Freelift-Clearview Mast
- Mast tilt
- Battery from 80V 2PzS 280 to 80V 4PzB 620Ah
- Explosion protection : Ex II 2G IIB T4
- Charger for installation in safe area

Options:

- Special battery system for charging in zone area
- Sideshift function
- Foldable forkpositioner
- NORSOK offshore painting
- Acuamatic
- Lights (front /rear /flashing warning light and/or spotlights)

Electric pallet stackers

Capacity from 1,2 - 2,5 T



Electric - battery operated. Suitable for EX environment, zone 1 & 2



Standard equipment

- ASM-Technology for driving and lifting
- Electronic stability system
- Recuperation of braking energy
- High ground clearance for better ramp passing
- High mast reach with tilting function
- Duplex full freelif mast construction
- Battery from 24V 5PzS 400 Ah
- Charger for installation in safe area

Options.

- Safety charging box for charging in zone area
- 24V - 60 Amp 3 phase 690/50/60 Hz charger
- NORSOK offshore painting
- Electric weighing system
- Acuamatic
- Sideshift function
- Drum handler

Electric pallet stackers

Capacity from 0,5 T - 1,2 T



Electric - battery operated. Suitable for EX environment, zone 2



FEATURES & STANDARD EQUIPMENT

- Powerful and efficient with maintenance free AC drive motor
- Manoeuvrable and compact for tight aisles
- Sensitive lifting with speed-controlled hydraulic motor
- Comfortable working environment with practical storage trays for pencils and documents
- Drive wheel polyurethane with quartz sand for better traction on slippery surfaces
- Discharge indicator / hourmeter
- Cold pack
- Temperatur resistant wire
- Traction battery 24V 2PzB 150 Ah
- Charger for installation in safe area

Options.

- Duplex or Triplex mast type
- Metal mesch instead of macrolon mast guard
- Stainless steel bolts and axles in load sections
- Fast, easy charging at any 13 Amp plug socket with on-board charger

7. Fall arrest for ladders

Fall Arrest in ladders



- Safety during ladder climbing
- Recommended for ladders above 5 meter length
- Low maintenance
- Compact & corrosion resistant
- Conforms to EN353-1 & CNB11-073
-

Special features:

- Makes it easy to climb
- Automatic locking system

Main components:

- Top bracket
- Bottom bracket
- Cable guide
- Traveller
- Cable



SYSTEM COMPONENTS TRAVELLERS



Zinc plated steel carabiner



Stainless Snap Hook



Stainless Steel carabiner



8. Misc. transportation

Misc. transportation / handling equipment



Typical handling equipment to be used when there is no room for crane or forklift.



ROLLER SKATES - Heavy load moving system. SWL up to 100T
Manual operation by pulling or pushing.
Easy to handle, allows turning, low head-room. Suitable for Ex zone 2 area



PALLET TRUCK
SWL up to 2T
Suitable for EX zone 1 & 2
Options: Stainless steel, high lift, load cell read out.



MACHINE MOVER - Air driven machine mover. Ideal for moving heavy machinery forward or backwards.
Capacity up to 100 T weight can be moved.



MACHINE MOVER - Electric battery driven tug for moving wheeled load up to 120 T

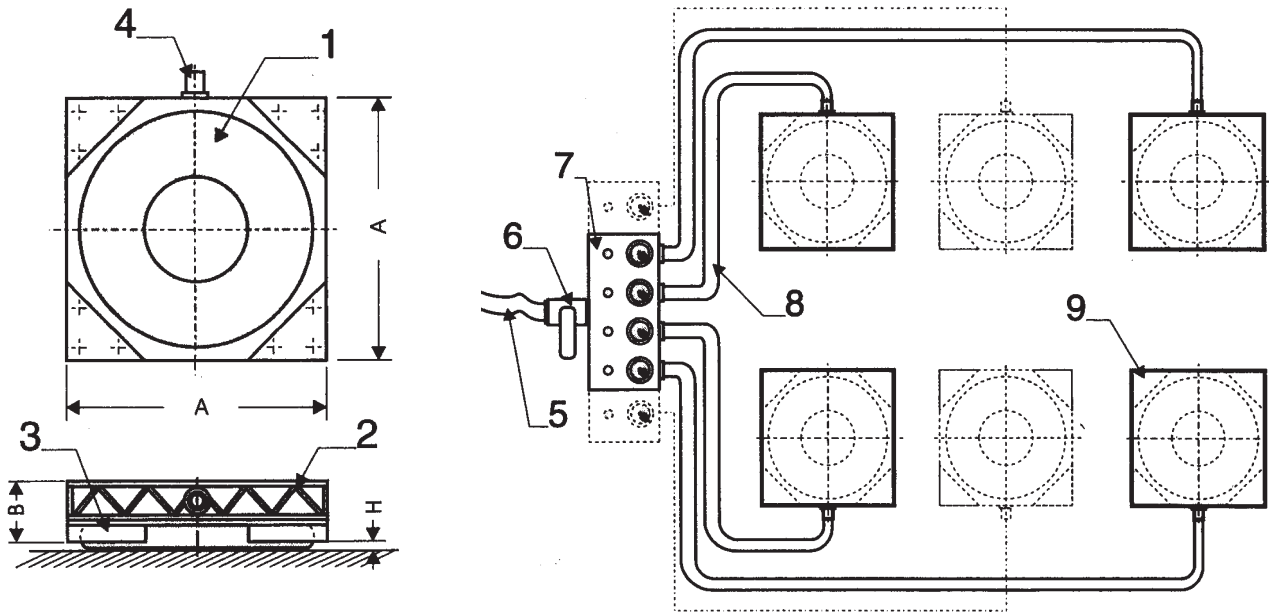
Air transporter system

Capacity from 2500 kg up to 600 tonne. The systems are used for transport of heavy equipment from the site out to deck crane area. The system are modular and the standard set consists of four air cushions with one control manifold and air hoses from manifold to each cushion.



Required air pressure are only 6 bar and the air consumption are max. 720 l/min @ 2500 kg and 18750 l/min @ 600 tonne.

Air-Cushion Module



1. Air-cushion bellow
2. Bearing plate made of aluminium
3. Landing pads
4. Air inlet
5. Supply hose
6. Shutoff valve
7. Control desk for 4 or 6 modules
8. Connecting hose
9. 4 or 6 air cushion modules



Beam mover

Flexible solution for moving heavy loads



Beam Movers provide a flexible solution for moving machines, vehicles, steel fabrications and heavy components in factories and workshops.

The Movers provide flexible movement in every direction, light and precise positioning and easy handling regardless of the weight of the load. In addition, the same beam system can be used for several different loads and does not cause any floor wear.



Thanks to the air bearing elements, the load can be easily lifted from the floor.



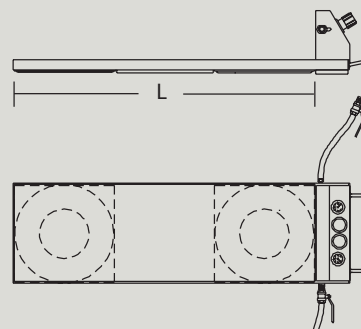
The Movers provide flexible and precise positioning.

Beam Movers are usually used in pairs, each beam equipped with two air bearings in a single construction.

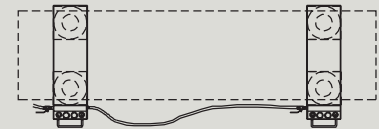
Two or three beams are then placed under the load to be moved and connected to a control box.

TECHNICAL INFORMATION

Capacity	7–44 tonnes
Length	1 000–2 600 mm
Width	300–920 mm
Height	55–80 mm
Weight	25–100 kg
Air supply	15–25 mm DN
Air consumption	1 200–4 000 NI/min



Example of use with two beams



Compressed air is connected to the control box, and this enables the air bearings to create an almost friction-free film of air on which the load can be floated. The movement takes place either manually or with the aid of drive units.

SPECIFICATIONS BY TYPE

Type	Capacity/pair kg	Air bearing element	Size ¹ LxWxH mm	Weight kg	Air supply mm DN	Air consumption ² NI/min
SP 7	7 000	SE 12-1,8	1 000x310x55	25	15	1 200
SP 10	10 000	SE 15-2,5	1 200x380x60	30	20	2 200
SP 14	14 000	ME 21S-3,5	1 600x540x70	60	20	3 000
SP 24	24 000	ME 27S-6,0	2 100x690x80	80	20	3 600
SP 44	44 000	ME 36S-11	2 600x920x80	100	25	4 000

¹ The length L can be specified as required

² Approximate values (total for two beams)

Other dimensions and modifications, such as extra height or multiple bearings, are available upon request.

SEE ALSO :

SECTION 4. DECK TROLLEYS / TRAILERS



Air or electric driven. Capacities up to 50 T

SECTION 6. FORKLIFT & STACKERS



9. Miscellaneous handling equipment:

- a. Spreader bar**
- b. Load cells**
- c. Beam clamps**

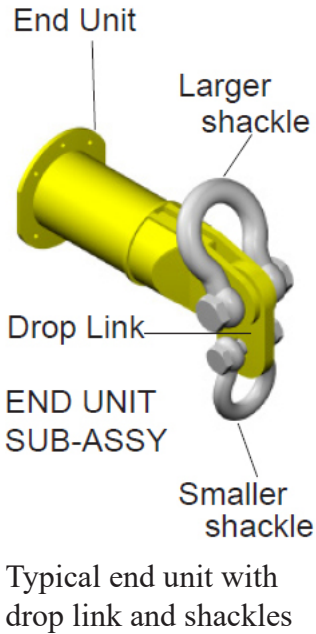
Spreader bar

Various solutions and possibilities, depending on shape and form of load

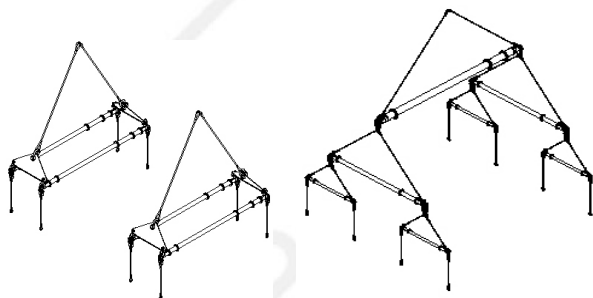
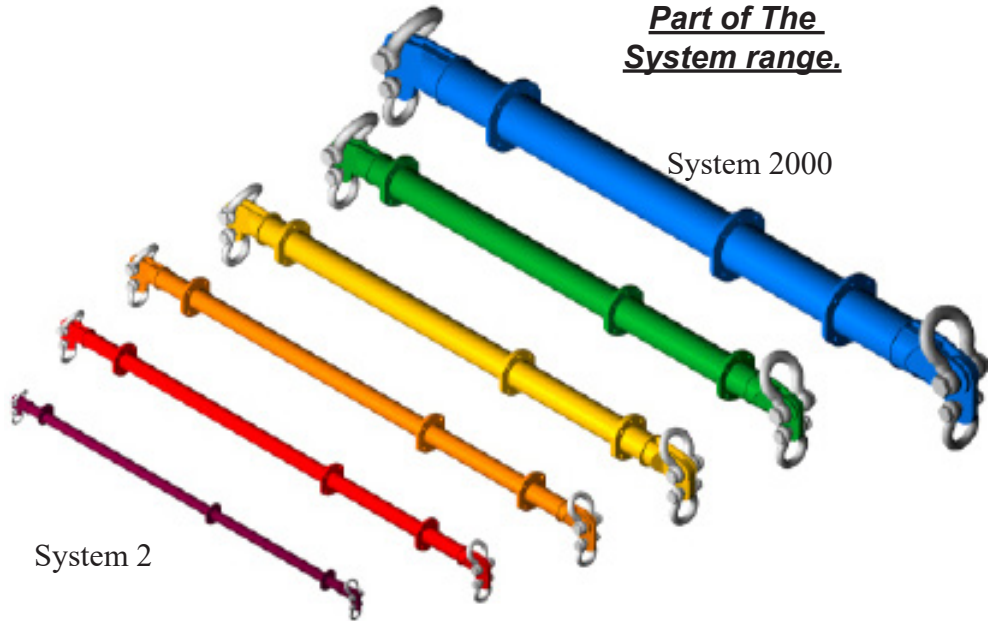
Our spreader bar system consists of a modular span capability to vary length of beam. The sizes range from 2 tonnes to 2000 tonnes with spans available from 200mm to 45 metres.

The system has a wide range of possibilities as shown sketches and images below.

DNV approved system



Part of The System range.



System 50 in typical lifting rig.

Weighing equipment



Load Cells

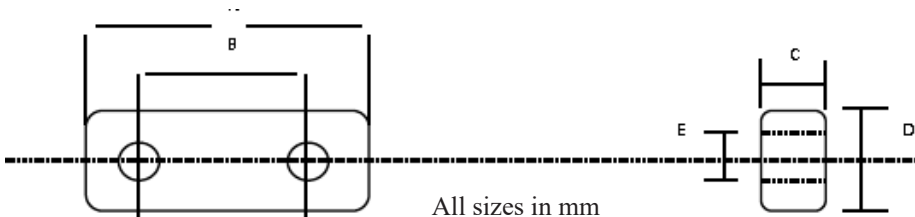
Standard or for EX environment, zone 1 & 2



Load cells and shackles: Range: 2-2000 Tonne



- Load link with radio range up to 500 meter
- Load link accuracy: +/- 1% of applied load.
- Battery's simply removed. No tools required
- 50 hours continuous use on 3 AA battery's
- Can sleep up to 18 months
- Use in Atex area 1 or 2 (Load range minimum 6.5 Ton)Options:
- Reading up to 50 cells or monitors simultaneous



TONNE	A	B	C	D	E	Weight (Kgs)
6.5	304	298	32	117	27	5
13.5	344	290	52	130	40	10
25	416	270	62	136	55	13
35	440	280	70	145	62	14
55	500	280	85	160	75	15
85	588	340	115	188	86	30
100	640	360	120	188	100	34
120	712	400	125	206	100	45
150	790	400	130	254	120	57
200	805	420	160	265	135	115
300	1120	600	180	389	155	220
400	1240	655	200	460	182	350

Range from 400T - 2000 T on request

Options:

- Reading up to 50 cells or monitors simultaneous
- Remote viewing
- Analogue output
- 4" display
- Transmittal to mobile phone
- Wind speed sensor
- Display with cable, radio or other.



Standard H-shackle with load bolt
Option Telemetry Readout
Optional output for logging

LOAD PINS



LOAD PINS (ATEX APPROVED)



RANGE: 1 - 2000 T

Proof load: 150% of rated load.

Stainless steel construction.

Simplest and most reliable method of measuring loads. Can be used in a great number of situations, including the most severe environments - sub sea, mining, offshore and heavy industry.

Easy installation

Operating range: -20 to +80 deg C

-40 to + 85 deg C

COMPRESSION LOAD CELL



Range: 25 - 1000 Tonne

Stainless steel construction

Ideal for sil/otank weighing.

Central control for multi-cell systems

RUNNING LINE MONITORS



Range: 5 - 150 Tonne

Marnised finish

Readout for tension, speed and distance

Easy installation systems

All load monitoring equipment come with CE Marking, User Instructions and Calibration Certificate, high IP protection and lightweight construction.

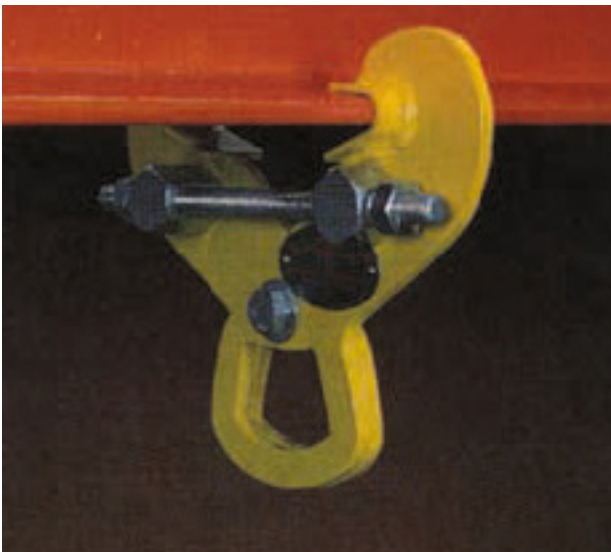
Standard or for EX environment, zone 1 & 2



Beam clamps

Capacity 1 - 50 Ton

- Side load clamps,
- Atex execution
- Standard og custom made



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