



## Lyftman LR-Systems

**TAWI**  
Lyftman

# Lyftman LR-Systems

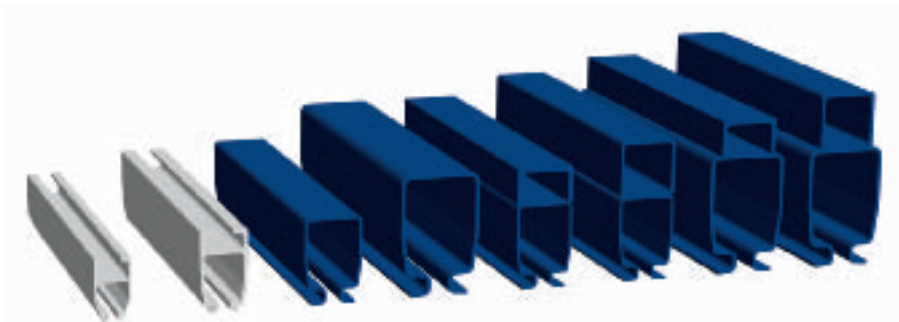
**Produced from cold rolled, single piece high strength steel:**

The result is the reliable and cost effective LR120/170 profile.

**Self-adjusting joint concept:** This design simplifies installation.

**Automatic powder-coating line:** Ensures highest-quality resistance to corrosion and long service life (water based powder – a better environmental choice).

**Wide range:** With the four basic track sizes an optimized combination is always guaranteed.



**Support:** Span up to 8 meters between supports for ceiling structures with infrequent support points.

**Choice of material:** Choose low gantry weight (aluminium) to reduce applied forces to the ceiling structure. Use aluminium girders for quick and smooth manual operation.

**Tricks:** Use triple gantry solutions for light-weight installations with demands for a wider girder span.

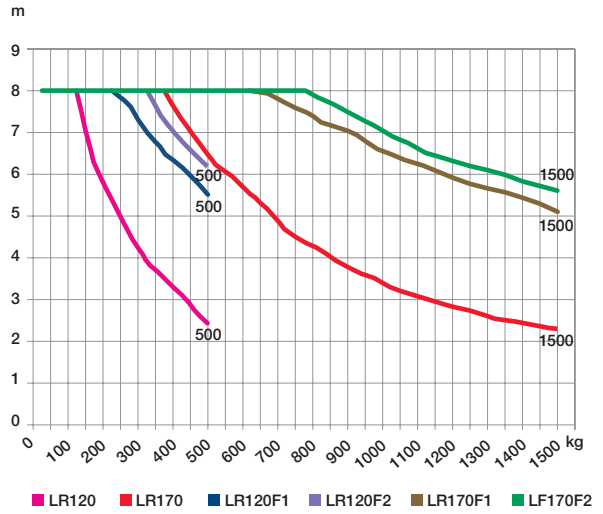
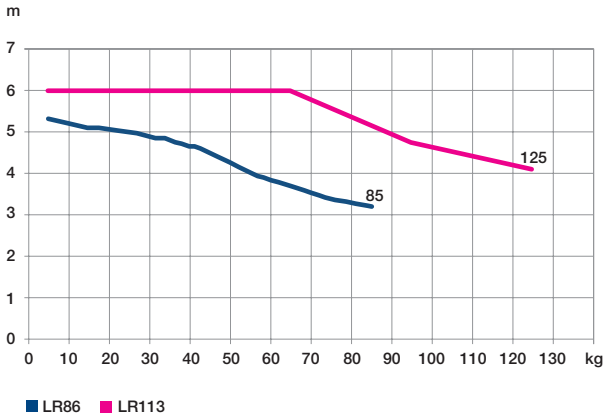
**Swivelling suspensions:** The swivelling suspensions are equipped with double ball couplings with bearing cups of Permaglide type to facilitate installation and improve operation.

**Dependability:** The hoist trolley is equipped with double guide rollers for secure trolley movement in the track. The wheels have lubricated double sealed ball bearings for smooth, safe and quiet operation.

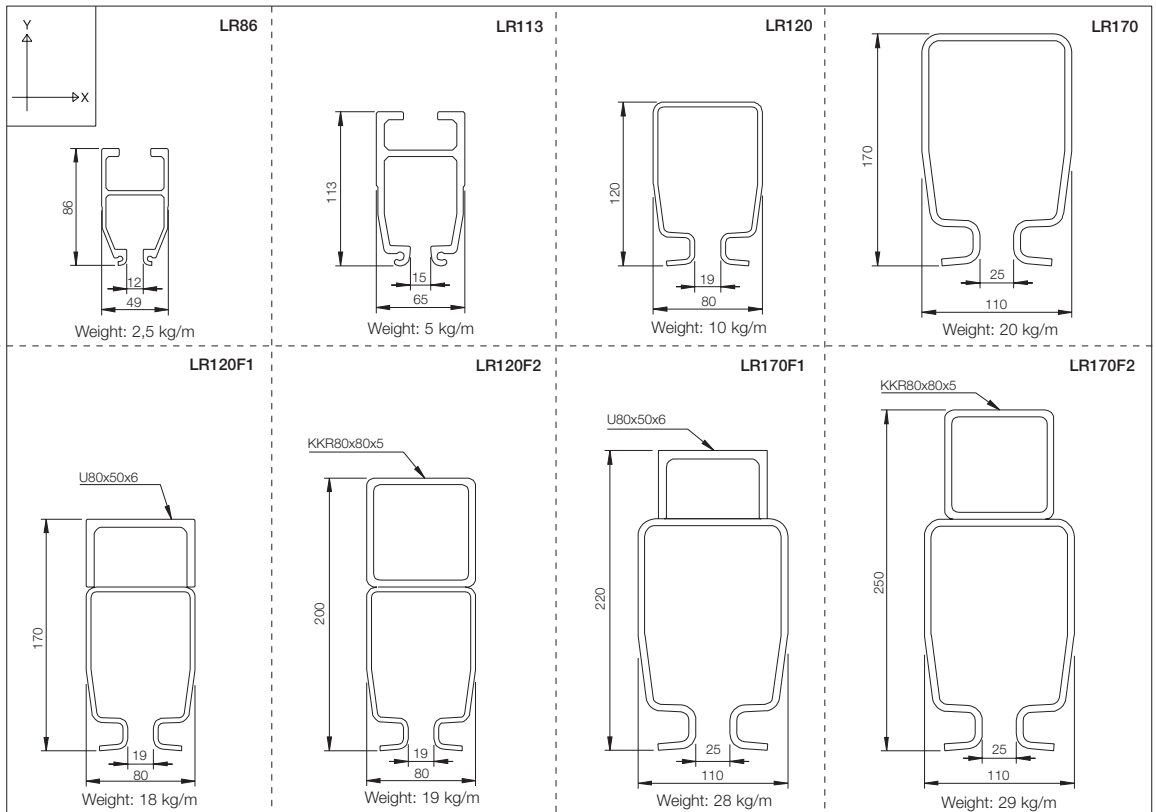
**Personal safety:** The LR-System range of suspensions include a wide variety of solutions for maximum operational and personal safety. The rated capacity of a system is based on handling a load with the specified weight, plus the weight of the lifting equipment (estimated at max 15% of rated capacity) and with a hoist speed (impact estimated to max 25% of rated capacity). NEVER EXCEED the rated capacity!

**Personal safety:** Lyftman LR-System is third-party certified by Det Norske Veritas in compliance with the EC Machine Directive.

## Load diagrams



Load diagrams: The SWL (Safe Working Load,  $x=kg$ ) is increased when the distance between suspension points ( $y=m$ ) is decreased. (Deflection max 1:350.)



Dimensions. The complete family of profiles is illustrated on page 2. Aluminium profiles LR86/LR113, steel profiles LR120/LR170, reinforced profiles LR120 F1/F2 and LR170 F1/F2.



*Monorail solution in black-out blinds/  
window awnings industry.*



*The steel industry uses Lyftman twin  
girder crane with motorized trolleys.*



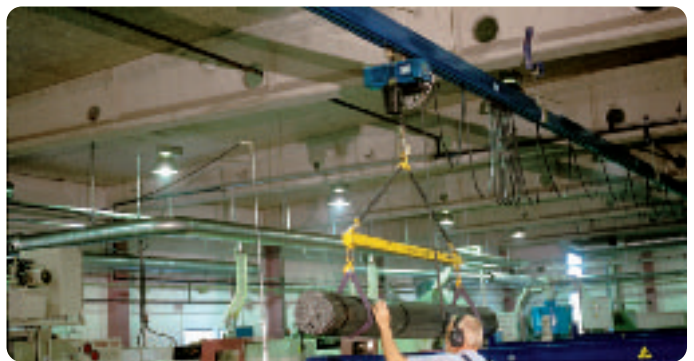


*LR-System in aluminium, end-of-line packaging, food industry.*



*A monorail system used in the production of metal parts for the electronics- and automobile industries.*

*A combination of steel and aluminium profiles.*



# Monorail

The monorail system is a cost effective choice with all the advantages of the Lyftman LR-System. The monorail serves a working area along a straight line with no demand for sideways transportation. The modular design of the LR-System allows for extensions and additions to create an x-y system anytime. Combine with LR-System curves for increased flexibility, page 14-15.

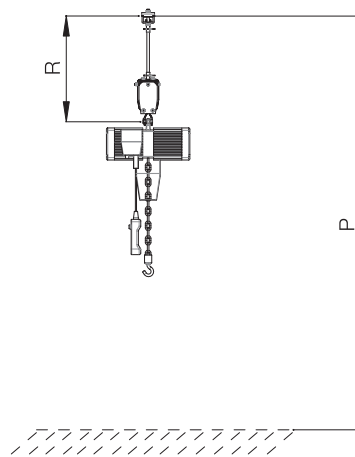
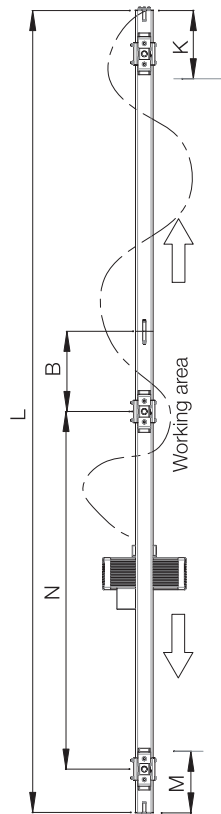


*A steel profile monorail system (LR120/170) with I-beam suspensions.*

*The extension rods increase in length to compensate for the angle of the ceiling beam.*



*An aluminium track with L-shaped suspension points installed into the side of the concrete beam.*



## Enquiry, Monorail

### Enquiry

Company: ..... Requested c/c distance (N) mm: .....

Name: ..... Requested max capacity (kg): .....

Tel: ..... Requested length of gantry (L) mm: .....

e-mail: ..... Distance between floor and suspension point (P) mm: .....

..... Type of carrying structure: .....

..... Requested extension (R) mm: .....

..... Requested minimum lifting level  
(from pallet, workbench etc in mm): .....

..... Requested maximum lifting level (height in mm): .....

..... Including hoist: .....

..... Single/double lifting speed: .....

..... Power: 3x400V 50 Hz / Other: .....

..... Including VacuEasylift/VacuMove/Levalair: .....

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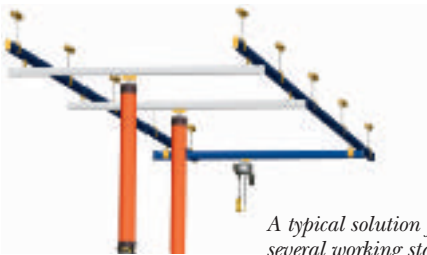
Monorail (mm)

Profile type		40 kg	60 kg	80 kg	125 kg	250 kg	500 kg	1000 kg	1500 kg
<b>LR86</b>	N max	3750	3200	2900	-	-	-	-	-
	M	80	80	80	-	-	-	-	-
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-	-	-	-
	B	80-300	80-300	80-300	-	-	-	-	-
	R	150-778	150-778	150-778	-	-	-	-	-
<b>LR113</b>	N max	6000	5200	4700	3900	-	-	-	-
	M	110	110	110	110	-	-	-	-
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-	-	-
	B	150-500	150-500	150-500	150-500	-	-	-	-
	R	200-828	200-828	200-828	200-828	-	-	-	-
<b>LR120</b>	N max	8000	8000	7000	6100	4700	2300	-	-
	M	105	105	105	105	105	220	-	-
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-
	B	120-3950	120-3950	120-3950	120-3400	120-1300	120-500	-	-
	R	285-883	285-883	285-883	285-883	285-883	285-883	-	-
<b>LR170</b>	N max	-	-	8000	8000	8000	6300	3300	2300
	M	-	-	110	110	110	110	230	230
	K	-	-	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G
	B	-	-	150-3950	150-3950	150-2500	150-900	150-400	150-250
	R	-	-	285-883	285-883	285-883	285-883	285-883	285-883

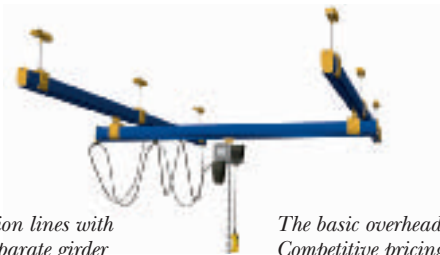
The indicated values for "R" are standard values. Other dimensions are available on request.

# Single girder cranes

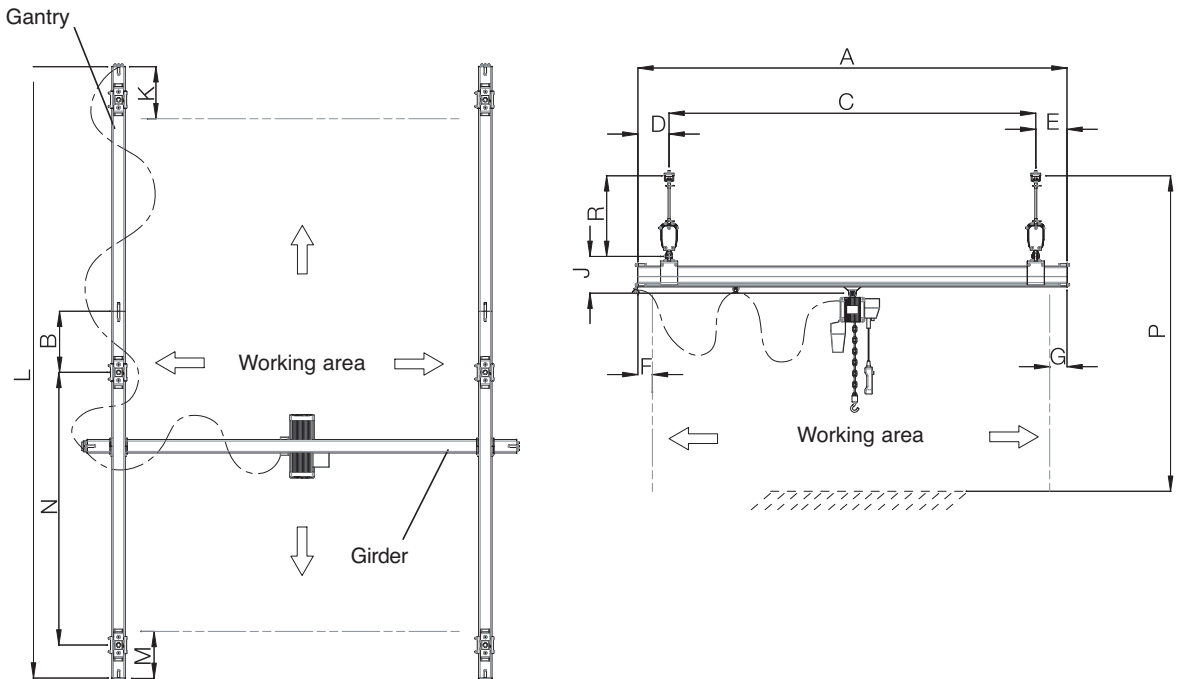
The single girder crane system is the most popular type of industrial installation. This system covers a rectangular (x-y) working area. Multiple girders are typically used when the system covers more than one working station. With multiple girders the complete system can either be dimensioned to handle the heaviest weight, or buffers/stops can be used to separate the working areas.



*A typical solution for production lines with several working stations. A separate girder is installed for each station. There is no limit to the length of this gantry, 50–60 metres is common.*



*The basic overhead x-y crane system. Competitive pricing, fast deliveries, high quality and easy installation is the secret behind this popular solution.*





## Enquiry, Single girder cranes

### Enquiry

Company: \_\_\_\_\_ Requested c/c distance (N) mm: \_\_\_\_\_  
 Name: \_\_\_\_\_ Requested max capacity (kg): \_\_\_\_\_  
 Tel: \_\_\_\_\_ Requested length of gantry (L) mm: \_\_\_\_\_  
 e-mail: \_\_\_\_\_ Requested length of girder (A) mm: \_\_\_\_\_  
 Distance between floor and suspension point (P) mm: \_\_\_\_\_  
 Type of carrying structure: \_\_\_\_\_  
 Requested extension (R) mm: \_\_\_\_\_  
 Requested minimum lifting level  
 (from pallet, workbench etc in mm): \_\_\_\_\_  
 Requested maximum lifting level (height in mm): \_\_\_\_\_  
 Number of girders: \_\_\_\_\_  
 Including hoist: \_\_\_\_\_  
 Single/double lifting speed: \_\_\_\_\_  
 Power: 3x400V 50 Hz / Other: \_\_\_\_\_  
 Including VacuEasylift/VacuMove/Levalair: \_\_\_\_\_

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Single girder cranes (mm)

Profile type		40 kg	60 kg	80 kg	125 kg	250 kg	500 kg	1000 kg	1500 kg
<b>LR86</b>	N max	3750	3200	2900	-	-	-	-	-
	M	80	80	80	-	-	-	-	-
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-	-	-	-
	A max	4000	3400	3000	-	-	-	-	-
	R	150-778	150-778	150-778	-	-	-	-	-
	J	150	150	150	-	-	-	-	-
	G	80	80	80	-	-	-	-	-
	F	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-	-	-	-
	B	80-300	80-300	80-300	-	-	-	-	-
<b>LR113</b>	N max	6000	5200	4700	3900	-	-	-	-
	M	110	110	110	110	-	-	-	-
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-	-	-
	A max	6000	6000	5300	4400	-	-	-	-
	R	200-828	200-828	200-828	200-828	-	-	-	-
	J	190	190	190	190	-	-	-	-
	G	110	110	110	110	-	-	-	-
	F	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-	-	-
	B	150-500	150-500	150-500	150-500	-	-	-	-
<b>LR120</b>	N max	8000	8000	7000	6100	4700	2300	-	-
	M	105	105	105	105	105	220	-	-
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-
	A max	8000	8000	8000	7100	5300	3700	-	-
	R	285-883	285-883	285-883	285-883	285-883	285-883	-	-
	J	250	250	250	250	250	250	-	-
	G	105	105	105	105	105	220	-	-
	F	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-
	B	120-3950	120-3950	120-3950	120-3400	120-1300	120-500	-	-
<b>LR170</b>	N max	-	-	8000	8000	8000	6300	3300	2300
	M	-	-	110	110	110	110	230	230
	K	-	-	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G
	A max	-	-	8000	8000	8000	7100	3900	2700
	R	-	-	285-883	285-883	285-883	285-883	285-883	285-883
	J	-	-	250	250	250	250	250	250
	G	-	-	110	110	110	110	230	230
	F	-	-	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G
	B	-	-	150-3950	150-3950	150-2500	150-900	150-400	150-250

The indicated values for "R" are standard values. Other dimensions are available on request.

# Twin girder cranes

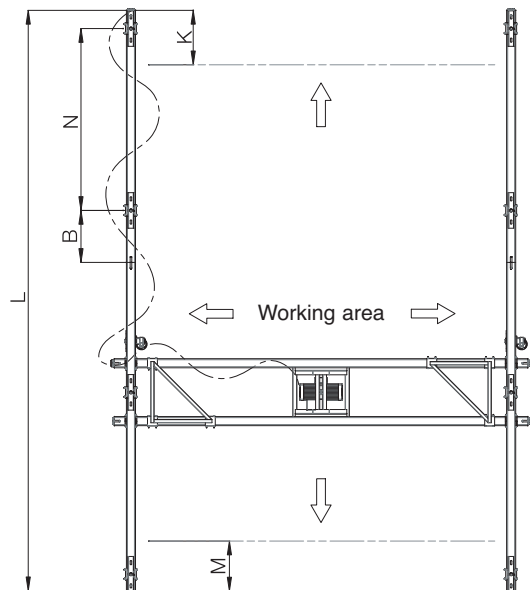
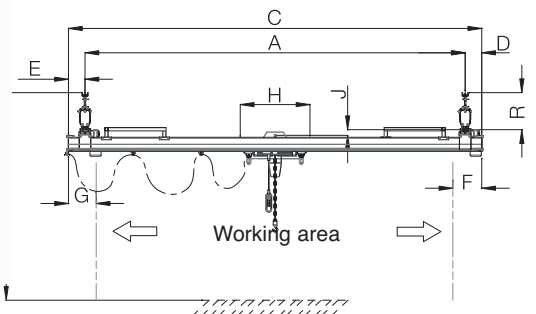
A twin girder crane system is the heavy-duty choice. The twin girders are welded together in a triangular construction to stabilize operation when handling loads up to 1500 kg. The twin girder crane is optionally equipped with motorized trolleys to automate the travelling motion of the girder and/or hoist. The two-speed motorized trolleys can be equipped with a frequency converter for more options.



*Lyftman motorized trolleys.*



*Increase the performance of your twin girder crane system with motorized trolleys. When handling loads up to 1500 kg a safe and smooth operation is easy to achieve with Lyftman LR-Systems.*



## Enquiry, twin girder cranes

### Enquiry

Company: ..... Requested c/c distance (N) mm: .....

Name: ..... Requested max capacity (kg): .....

Tel: ..... Requested length of gantry (L) mm: .....

e-mail: ..... Requested length of girder (A) mm: .....

Distance between floor and suspension point (P) mm: .....

Type of carrying structure: .....

Requested extension (R) mm: .....

Requested minimum lifting level  
(from pallet, workbench etc in mm): .....

Requested maximum lifting level (height in mm): .....

Number of cranes: .....

Including hoist: .....

Single/double lifting speed: .....

Power: 3x400V 50 Hz / Other: .....

Powered crane motion: .....

Powered hoist motion: .....

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Twin girder cranes (mm)

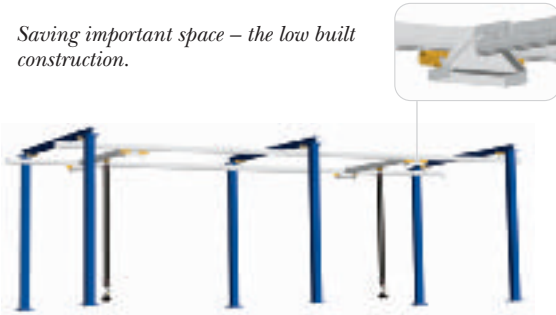
Profile type		125 kg	250 kg	500 kg	1000 kg	1500 kg
<b>LR120</b>	N max	6100	4400	2400	-	-
	M	400	400	400	-	-
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-
	A max	8000	7100	5200	-	-
	R	285-883	285-883	285-883	-	-
	J	250	250	250	-	-
	G	105	105	220	-	-
	F	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-
B	120-2500	120-1500	120-500	-	-	
<b>LR170</b>	N max	8000	8000	6200	3300	2300
	M	460	460	460	460	460
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G
	A max	8000	8000	8000	7400	6100
	R	285-883	285-883	285-883	285-883	285-883
	J	405-1060	405-1060	405-1060	405-1060	405-1060
	G	310	310	310	310	310
	F	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G
B	150-3950	150-2400	150-900	150-350	150-200	

The indicated values for "R" are standard values. Other dimensions are available on request.

# Low built Systems / Floor mounted constructions

The low built crane system is a compact solution, designed to allow a maximum possible vertical hook stroke in areas with low head room. The special low built construction holds the girder and gantry at the same level. The low built system can be suspended from free-standing constructions, as illustrated below, or from the ceiling. A free-standing construction is flexible and easy to install.

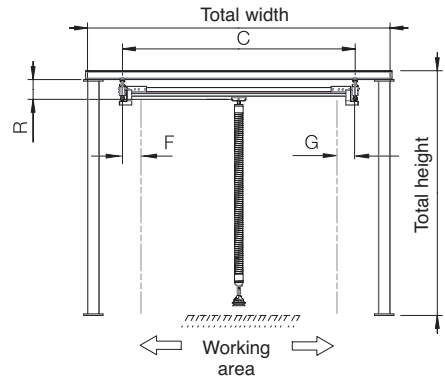
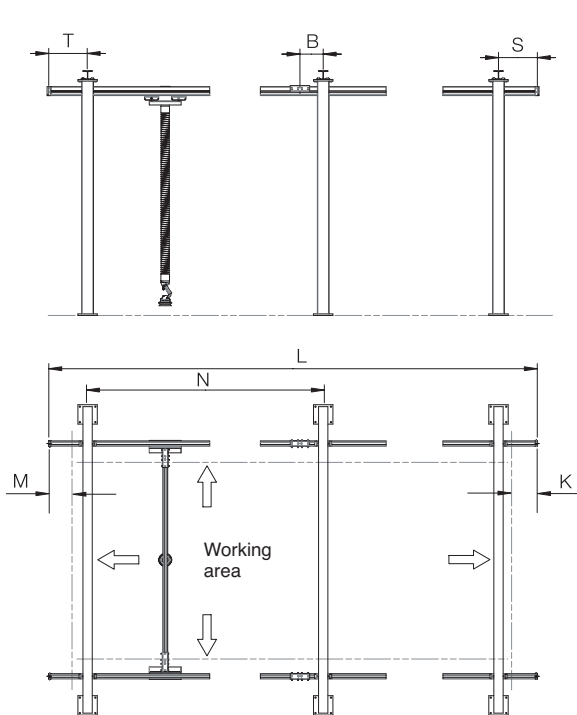
*Saving important space – the low built construction.*



*LR86/113 aluminium profile system in a low built system. SWL up to 125 kg. Suitable for light weight goods handling in all types of production.*



*LR120/170 steel profile system in a low built system. SWL up to 1500 kg with reinforced profiles. The freestanding, portal suspending construction is an alternative to ceiling and wall suspension.*



## Enquiry, Low built Systems / Floor mounted constructions

### Enquiry

Company: ..... Requested c/c distance (N) mm: .....

Name: ..... Requested max capacity (kg): .....

Tel: ..... Requested length of gantry (L) mm: .....

e-mail: ..... Requested length of girder (A) mm: .....

..... Total height mm: .....

..... Total width mm: .....

..... Type of carrying structure: ..... or .....

..... Floor mounted construction? .....

..... Requested minimum lifting level  
(from pallet, workbench etc in mm): .....

..... Requested maximum lifting level (height in mm): .....

..... Number of girders: .....

..... Including hoist: .....

..... Single/double lifting speed: .....

..... Power: 3x400V 50 Hz / Other: .....

..... Including VacuEasylift/VacuMove/Levalair: .....

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Lowbuilt single girder cranes (mm)

Profile type		40 kg	60 kg	80 kg	125 kg	250 kg	500 kg	1000 kg	1500 kg
<b>LR86</b>	N max	3900	3400	3100	-	-	-	-	-
	M	280	280	280	-	-	-	-	-
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-	-	-	-
	C max	4000	3400	3000	-	-	-	-	-
	R	150-778	150-778	150-778	-	-	-	-	-
	G	140	140	140	-	-	-	-	-
	F	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-	-	-	-
	B	80-300	80-300	80-300	-	-	-	-	-
<b>LR113</b>	N max	6000	5300	4800	4000	-	-	-	-
	M	285	285	285	285	-	-	-	-
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-	-	-
	C max	6000	6000	5300	4400	-	-	-	-
	R	200-828	200-828	200-828	200-828	-	-	-	-
	G	170	170	170	170	-	-	-	-
	F	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-	-	-
	B	150-500	150-500	150-500	150-500	-	-	-	-
<b>LR120</b>	N max	8000	8000	7100	6100	4700	2300	-	-
	M	205	205	205	205	205	205	-	-
	K	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-
	C max	6000	6000	6000	6000	5300	3700	-	-
	R	285-883	285-883	285-883	285-883	285-883	285-883	-	-
	G	105	105	105	105	105	220	-	-
	F	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	-	-
	B	120-3950	120-3950	120-3950	120-3400	120-1300	120-500	-	-
<b>LR170</b>	N max	-	-	8000	8000	8000	6300	3300	2300
	M	-	-	110	110	110	110	230	230
	K	-	-	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G
	C max	-	-	6000	6000	6000	6000	3900	2700
	R	-	-	285-883	285-883	285-883	285-883	285-883	285-883
	G	-	-	110	110	110	110	230	230
	F	-	-	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G	L/1,5*70+G
	B	-	-	150-3950	150-3950	150-2500	150-900	150-400	150-250

The indicated values for "R" are standard values. Other dimensions are available on request.



# Curves

Curves are a natural step towards the optimal overhead system. With 45 degree angular modules in combination with the family of profiles and the flexible range of suspensions we can offer a perfect system, every time.

Curves are used to follow a production line through the manufacturing process and to create a more flexible monorail where single girder cranes are out of the questions due to obstructions.



*With our 45 degree modules you can create an overhead system that follows your production all the way from primary produce to packing stations.*

Curves (mm)				
Profile type	r=	H=	Max Load (kg)	l=
LR86	800	45°	85	200
LR113	800	45°	125	200
LR120	800	45°	350	200
PLR170	1500	45°	750	200

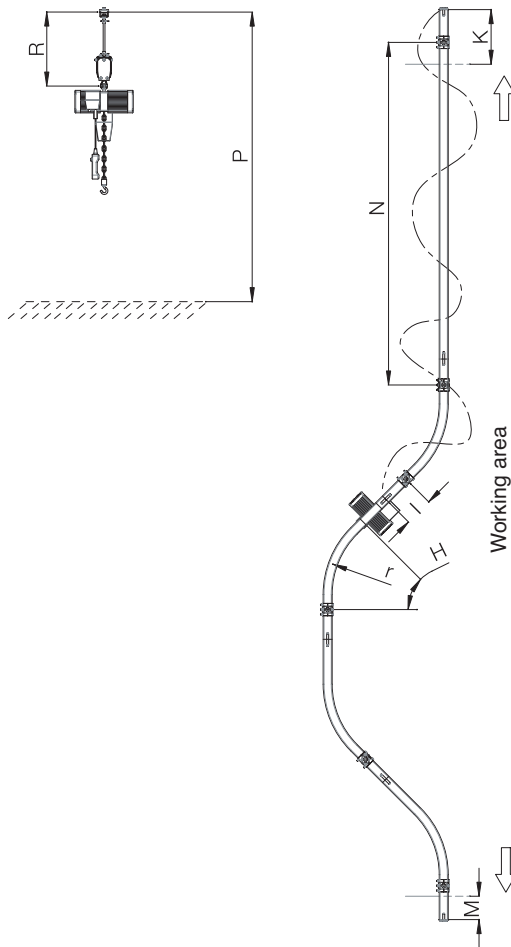
*For info on values "M", "N", "K" and "R" se Monorails, page 7.*

## Enquiry, curves

### Enquiry

Company: .....	Requested c/c distance (N) mm: .....
Name: .....	Requested max capacity (kg): .....
Tel: .....	Requested length of gantry (L) mm: .....
e-mail: .....	Number of curves: .....
	Distance between floor and suspension point (P) mm: .....
	Type of carrying structure: .....
	Requested (R) mm: .....
	Requested minimum lifting level (from pallet, workbench etc in mm): .....
	Requested maximum lifting level (height in mm): .....
	Including hoist: .....
	Single/double lifting speed: .....
	Power: 3x400V 50 Hz / Other: .....
	Including VacuEasylift/VacuMove/Levalair: .....

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## Manual jib cranes up to 125 kg

LRAV wall jib cranes

LRAP column jib cranes



Arm in aluminium  
LR86 up to 80 kg

Arm in aluminium  
LR113 up to 125 kg

Jib arm LRAV (mm)

Type	Load, kg	A	C	D	E	F	L	N	Arm profile	Weight (kg)
LRAV2/80	40-80	2000	577	507	110	150	14	3035	LR86	15
LRAV3/80	40-80	3000	577	507	110	150	14	3035	LR86	19
LRAV4/40	40	4000	577	507	110	150	14	3035	LR86	22
LRAV5/40	40	5000	577	507	110	150	14	3035	LR86	27
LRAV4/60	60	4000	577	507	110	150	14	3035	LR86	23
LRAV6/40	40	6000	860	800	150	200	18	3050	LR113	65
LRAV4/80	80	4000	860	800	150	200	18	3050	LR113	55
LRAV5/80	80	5000	860	800	150	200	18	3050	LR113	60
LRAV2/125	125	2000	860	800	150	200	18	3050	LR113	45
LRAV3/125	125	3000	860	800	150	200	18	3050	LR113	50

Column for LRAV (mm)

Type	For jib arm*	B	J	H	J	K	M	Weight (kg)
LPM15361	LRAV2/80	3610	250	200	20	18	M12	95
LPM15361	LRAV3/80	3610	250	200	20	18	M12	95
LPM15361	LRAV3-4/40	3610	250	200	20	18	M12	95
LPM15361	LRAV5/40	3610	250	200	20	18	M12	95
LPM15361	LRAV4/60	3610	250	200	20	18	M12	95
LPM20386	LRAV6/40	3860	300	250	20	24	M16	145
LPM20386	LRAV4/80	3860	300	250	20	24	M16	145
LPM20386	LRAV5/80	3860	300	250	20	24	M16	145
LPM20386	LRAV2/125	3860	300	250	20	24	M16	145
LPM20386	LRAV3/125	3860	300	250	20	24	M16	145

\* The jib crane includes arm and bracket, 1 pce trolley for lifting equipment, 3 pcs trolley for air tube with leather strap, end stop, load signs and 4 pcs bolts.



The wall mounted jib crane includes arm and bracket, 1 pce trolley for lifting equipment, 3 pcs trolley for air tube with leather strap, end stop, load signs and 4 pcs bolts.

LRAVL low-built wall jib cranes

LRAPL low-built column jib cranes



Low-built arm in aluminium  
LR86 up to 40 kg

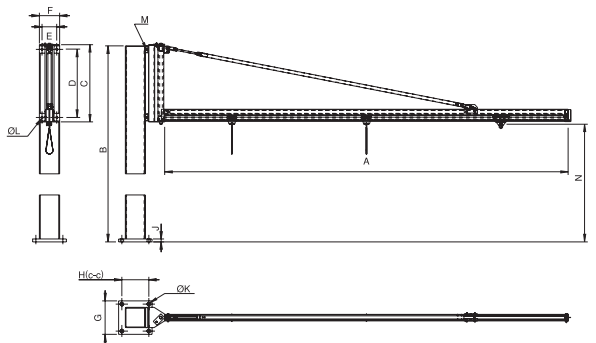
Jib arm LRAVL (mm)

Type	Load, kg	A	C	D	E	F	L	N	Arm profile
LRAV2/40L	40	2000	300	232	110	150	Ø14	B-300	LR86
LRAV3/40L	40	3000	300	232	110	150	Ø14	B-300	LR86
LRAV3,5/40L	40	3500	300	232	110	150	Ø14	B-300	LR86

Column for LRAVL (mm)

Type	For jib arm*	B	G	H	J	K	M
LPM15361L	LRAV2/40L	Custom made	250	200	20	Ø18	M12
LPM15361L	LRAV3/40L	Custom made	250	200	20	Ø18	M12
LPM15361L	LRAV3,5/40L	Custom made	250	200	20	Ø18	M12

\* The jib crane includes arm and bracket, 1 pce trolley for lifting equipment, 3 pcs trolley for air tube with leather strap, end stop, load signs and 4 pcs bolts.



A twin brace is automatically included in the installation when certain rated SWL's are exceeded.

UVM low-built wall jib cranes  
UPM low-built column jib cranes



Low-built arm in steel LR120 up to 80 kg

Jib arm UVM (mm)

Type	Load, kg	A	C	D	E	F	L	N	Arm profile
UVM2/80	80	2000	521	416	150	200	Ø18	B-185	LR120
UVM3/80	80	3000	521	416	150	200	Ø18	B-185	LR120
UVM4/60	60	4000	521	416	150	200	Ø18	B-185	LR120

Column for UVM (mm)

Type	For jib arm*	B	G	H	J	K	M
LPM15361U	UVM2/80	Custom made	300	250	20	Ø24	M16
LPM15361U	UVM3/80	Custom made	300	250	20	Ø24	M16
LPM15361U	UVM4/60	Custom made	300	250	20	Ø24	M16

\* The jib crane includes arm and bracket, 1 pce trolley for lifting equipment, 3 pcs trolley for air tube with leather strap, end stop, load signs and 4 pcs bolts.

LRAVU low-built wall jib cranes  
LRAPU low-built column jib cranes



Low-built arm in aluminium LR113 up to 25 kg

Jib arm LRAVU (mm)

Type	Load, kg	A	C	D	E	F	L	N	Arm profile
LRAVU2/25	25	2000	441	341	110	150	Ø14	B-165	LR113
LRAVU3/25	25	3000	441	341	110	150	Ø14	B-165	LR113

Column for LRAVU (mm)

Type	For jib arm*	B	G	H	J	K	M
LPM15361A	LRAVU2/25	Custom made	250	200	20	Ø18	M12
LPM15361A	LRAVU3/25	Custom made	250	200	20	Ø18	M12

\* The jib crane includes arm and bracket, 1 pce trolley for lifting equipment, 3 pcs trolley for air tube with leather strap, end stop, load signs and 4 pcs bolts.

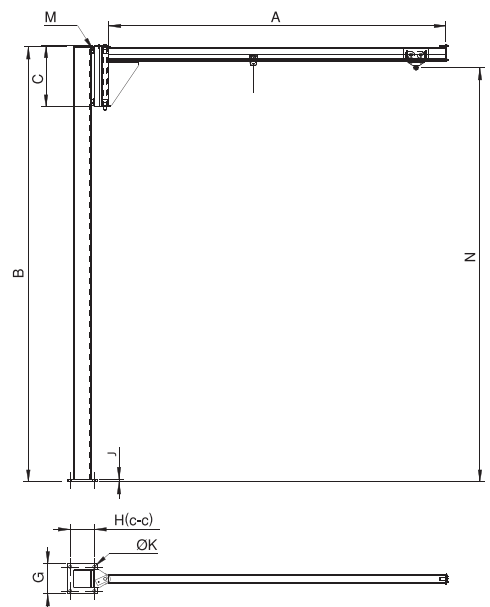
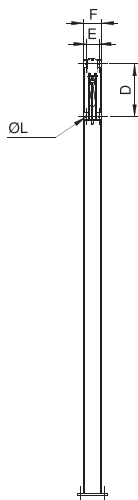
## Project planner:

A manually operated jib crane is most effective when the outer part (2/3) of the arm is used!

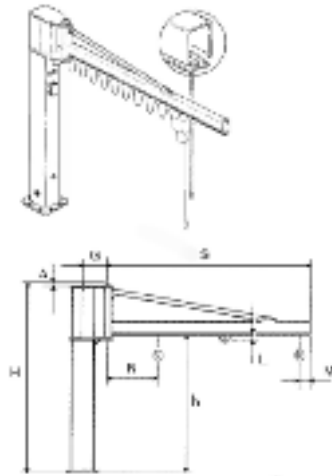
Do not over-dimension. No need to push around excessive weight.

If the area to be covered is large, consider a crane system instead of a jib crane.

The rated capacity of a system is based on handling a load with the specified weight, plus the weight of the lifting equipment (estimated at max 15% of rated capacity) and with a hoist speed (impact estimated to max 25% of rated capacity). **NEVER EXCEED** the rated capacity!



# Manual column jib cranes up to 1000 kg



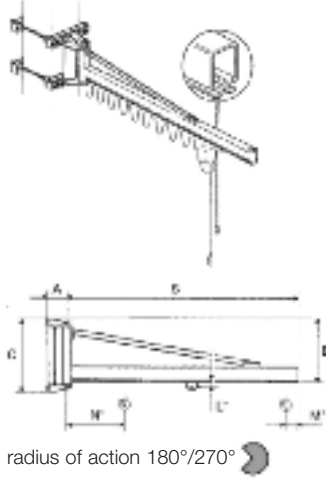
Column jib crane, radius of action 300°

Arm S				Column jib cranes LRP, C-profile									
Max capacity (kg)	Nominal length (m)	Actual length (mm)	Consol type	Total height H (m)	Type	Under arm height (mm)	Overall dimensions (mm)					Crane (kg)	Column per m. (kg)
							G	L	M	N	Δ		
<b>63</b>	4	4056	A	3	LRP4/63	2496	220	34	125	585	12	124	18
	5	5056	A	3	LRP5/63	2496	220	34	125	645	12	137	18
	6	6056	B	3	LRP6/63	2496	255	34	125	730	12	185	28
	7	7056	B	3	LRP7/63	2496	255	34	125	790	12	195	28
<b>125</b>	2	2056	A	3	LRP2/125	2496	220	34	125	525	12	98	18
	3	3056	A	3	LRP3/125	2496	220	34	125	585	12	111	18
	4	4056	B	3	LRP4/125	2496	255	34	125	610	12	156	28
	5	5056	B	3	LRP5/125	2496	255	34	125	670	12	169	28
	6	6066	C	3.5	LRP6/125	2738	310	34	125	800	17	253	34
	7	7066	C	3.5	LRP7/125	2738	310	34	125	860	17	268	34
	<b>250</b>	2	2056	B	3	LRP2/250	2496	255	34	125	550	12	130
3		3056	B	3	LRP3/250	2496	255	34	125	610	12	143	28
4		4066	C	3.5	LRP4/250	2738	310	34	125	680	17	223	34
5		5066	C	3.5	LRP5/250	2738	310	34	125	740	17	238	34
6		6066	D	3.5	LRP6/250	2738	360	40	140	850	17	381	51
7		7066	D	3.5	LRP7/250	2738	360	40	140	910	17	407	51
<b>500</b>		2	2066	C	3.5	LRP2/500	2738	310	34	250	745	17	193
	3	3066	C	3.5	LRP3/500	2738	310	34	250	805	17	208	34
	4	4066	D	3.5	LRP4/500	2738	360	34	250	850	17	292	51
	5	5066	D	3.5	LRP5/500	2738	360	34	250	910	17	308	51
	6	6076	E	4	LRP6/500	2980	415	40	140	860	20	576	73
	7	7076	E	4	LRP7/500	2980	415	40	140	920	20	606	73
	<b>1000</b>	2	2066	D	3.5	LRP2/1000	2738	360	50	300	830	17	272
3		3066	D	3.5	LRP3/1000	2738	360	50	300	890	17	342	51
4		4076	E	4	LRP4/1000	2980	415	50	300	900	20	518	73
5		5076	E	4	LRP5/1000	2980	415	50	300	960	20	547	73
6		6076	F	4	LRP6/1000	2980	480	50	300	1140	20	721	100
7		7076	F	4	LRP7/1000	2980	480	50	300	1200	20	754	100

For other versions and types of crane, and for hoists; please contact TAWI (info@tawi.se).



## Manual wall jib cranes up to 1000 kg



Wall jib crane, radius of action 180°/270°

Arm S				Wall jib cranes LRV, C-profile								
Max capacity (kg)	Nominal length (m)	Actual length (mm)	Consol type	Type	Overall dimensions (mm)							Weight (kg)
					A	B	C	D	E	F	Ø	
<b>63</b>	4	4056	A	LRV4/63	170	552	644	200	594	150	15	74
	5	5056	A	LRV5/63	170	552	644	200	594	150	15	87
	6	6056	B	LRV6/63	170	552	644	200	594	150	15	100
	7	7056	B	LRV7/63	170	552	644	200	594	150	15	113
<b>125</b>	2	2056	A	LRV2/125	170	552	644	200	594	150	15	48
	3	3056	A	LRV3/125	170	552	644	200	594	150	15	61
	4	4056	B	LRV4/125	170	552	644	200	594	150	15	74
	5	5056	B	LRV5/125	170	552	644	200	594	150	15	87
	6	6066	C	LRV6/125	210	820	930	250	870	190	22	135
	7	7066	C	LRV7/500	210	820	930	250	870	190	22	150
	<b>250</b>	2	2056	B	LRV2/250	170	552	644	200	594	150	15
3		3056	B	LRV3/250	170	552	644	200	594	150	15	61
4		4066	C	LRV4/250	210	820	930	250	870	190	22	105
5		5066	C	LRV5/250	210	820	930	250	870	190	22	120
6		6066	D	LRV6/250	210	820	930	250	870	190	22	202
7		7066	D	LRV7/250	210	820	930	250	870	190	22	228
<b>500</b>		2	2066	C	LRV2/500	210	820	930	250	870	190	22
	3	3066	C	LRV3/500	210	820	930	250	870	190	22	90
	4	4066	D	LRV4/500	210	820	930	250	870	190	22	113
	5	5066	D	LRV5/500	210	820	930	250	870	190	22	129
	6	6076	E	LRV6/500	255	1100	1240	300	1160	220	34	270
	7	7076	E	LRV7/500	255	1100	1240	300	1160	220	34	300
	<b>1000</b>	2	2066	D	LRV2/1000	210	820	930	250	870	190	22
3		3066	D	LRV3/1000	210	820	930	250	870	190	22	163
4		4076	E	LRV4/1000	255	1100	1240	300	1160	220	34	212
5		5076	E	LRV5/1000	255	1100	1240	300	1160	220	34	241
6		6076	F	LRV6/1000	255	1100	1240	300	1160	220	34	298
7		7076	F	LRV7/1000	255	1100	1240	300	1160	220	34	331

For other versions and types of crane, and for hoists; please contact TAWI (info@tawi.se).

# Suspensions

The LR-System has very rugged suspension mountings of universal type which permit various possibilities, for example suspension in steel beams, concrete ceilings and concrete beams. The universal beam suspension is designed to deal with a wide range of beam flange widths. In a corresponding manner the beam clamping washers can be used with varying flange thickness.

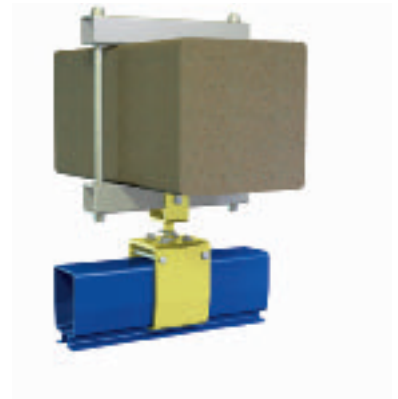
Ceiling attachments are available for both fixed and free suspensions. The freely suspended mountings are provided with double ball couplings with bearing cups of Permaglide type. The bearing principle combined with the LR-System travelling crab concept, gives a uniquely light manual operation of the crane.



*1. Bracket for concrete beam holds the square steel tube which is support point for a U-suspension.*



*2. Example of a suspension for curved concrete beams. The bracket supports the steel tube to which a U-suspension is attached.*



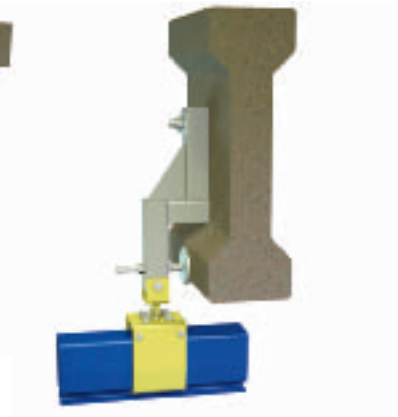
*3. A freely suspended beam can be clamped to hold a U-suspension support point. No drilling required!*



4. I-beam suspension, extended version. No modifications to supporting structures necessary.



5. Solution for low headroom; a steel support is installed into the side of the concrete beam.



6. Solution for low headroom; a steel support is installed into the side of the curved concrete beam and supported at the lowest part of the beam.



7. A U-suspension in a freestanding construction.



8. Ceiling suspension mounted directly into the cement ceiling.



9. Extensions and struts are used to reach the desired level of suspension for the lifting equipment.

## Assembly parts, steel program



1. 21100/B\* (LR120)  
71100/B\* (LR170)  
Beam suspension, short.



2. 21700-100/B\* (LR120)  
71700-100/B\* (LR170)  
Beam suspension,  
100 mm extension.



3. 21700 -300/B\* (LR120)  
71700 -300/B\* (LR170)  
21700 -600/B\* (LR120)  
71700 -600/B\* (LR170)  
Beam suspension,  
300/600 mm extension.



4. 21200/B\* (LR120)  
71200/B\* (LR170)  
Ceiling suspension, short.



5. 21800-100/B\* (LR120)  
71800-100/B\* (LR170)  
Ceiling suspension,  
100 mm extension.



6. 21800-300/B\* (LR120)  
71800-300/B\* (LR170)  
21800-600/B\* (LR120)  
71800-600/B\* (LR170)  
Ceiling suspension,  
300/600 mm extension.



7. 21300 (LR120)  
71300 (LR170)  
U-suspension, short.



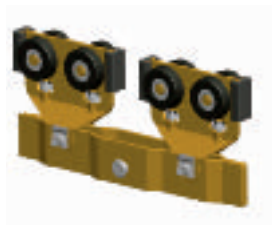
8. 21900-100 (LR120)  
71900-100 (LR170)  
U-suspension,  
100 mm extension.



9. 21900-300 (LR120)  
71900-300 (LR170)  
21900-600 (LR120)  
71900-600 (LR170)  
U-suspension,  
300/600 mm extension.



10. 22100 (LR120)  
72100 (LR170)  
Trolley for lifting equipment.



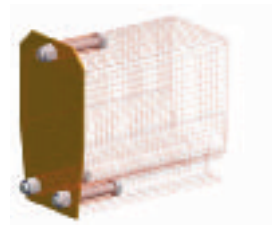
11. 22200 (LR120)  
72200 (LR170)  
Trolley for lifting equipment.



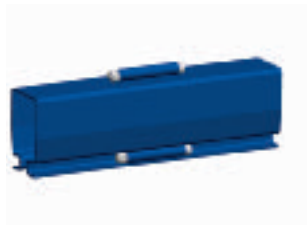
12. 24300 (LR120)  
74300 (LR170)  
Cable trolley.



13. 25100 (LR120)  
75100 (LR170)  
Crane suspension.



14. 23300 (LR120)  
73300 (LR170)  
End piece.



15. 23100 (LR120)  
73100 (LR170)  
Self-adjusting joint.

\*B indicates larger cc-distance between suspending bolts.

## Assembly parts, aluminium program



1. 81100/B\* (LR86)  
31100/B\* (LR113)  
Beam suspension, short.



2. 81700-100/B\* (LR86)  
31700-100/B\* (LR113)  
Beam suspension,  
extension 100 mm.



3. 81700-300/B\* (LR86)  
31700-300/B\* (LR113)  
81700-600/B\* (LR86)  
31700-600/B\* (LR113)  
Beam suspension,  
extension 300/600 mm.



4. 81200/B\* (LR86)  
31200/B\* (LR113)  
Ceiling suspension, short.



5. 81800-100/B\* (LR86)  
31800-100/B\* (LR113)  
Ceiling suspension,  
extension 100 mm.



6. 81800-300/B\* (LR86)  
31800-300/B\* (LR113)  
81800-600/B\* (LR86)  
31800-600/B\* (LR113)  
Ceiling suspension,  
extension 300/600 mm.



7. 81300 (LR86)  
31300 (LR113)  
U-suspension, short.



8. 81900-100 (LR86)  
31900-100 (LR113)  
U-suspension,  
extension 100 mm.



9. 81900-300 (LR86)  
31900-300 (LR113)  
81900-600 (LR86)  
31900-600 (LR113)  
U-suspension,  
extension 300/600 mm.



10. 82100 (LR86)  
Trolley for lifting equipment.



11. 32100 (LR113)  
Trolley for lifting equipment.



12. 84300 (LR86)  
34300 (LR113)  
Cable trolleys.



13. 85100 (LR86)  
35100 (LR113)  
Crane suspension.



14. 83300 (LR86)  
33300 (LR113)  
End piece.

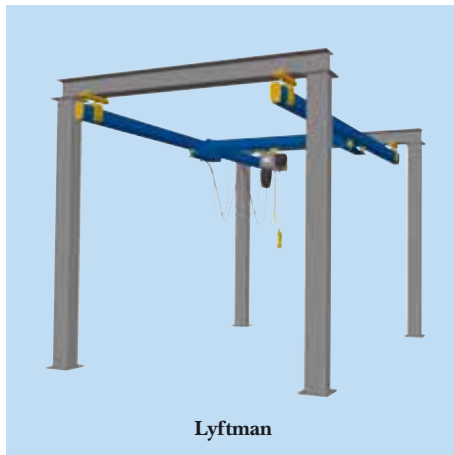


15. 83100 (LR86)  
33100 (LR113)  
Self-adjusting joint.

\*B indicates larger cc-distance between suspending bolts.



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