

Lyftman Jib Cranes

Aluminium, Steel and Stainless Steel Cranes

ISSUE:C



TAWI Lyftman steel and aluminium jib cranes

TAWI offers a wide variety of jib cranes for a more optimized and ergonomic workplace. A jib crane is a great choice where repetitive and stationary lifting is required. With a suitable jib crane more safely and better ergonomic lifting can be achieved. The jib crane has a lightweight design to ensuring a flexible and smooth handling. With a wide product line, TAWI provides standard solution and also solutions customized according to your specific requirements.

The base component includes column, arm and bracket that are easy to assemble thanks to the compactness. Flexible movement and maximum utilization of the arm length offers the best possible use of the working area. TAWI jib cranes can be mounted on walls or columns and handle loads up to 125 kg. The radius of action is available up to 270 degrees and arm length is available up to five meters. A manually operated jib crane is most effective when the outer two-thirds of the arm are used. The total length of the arm should not exceed what is needed to cover the working area. The steel cranes are surface treated in an automatic powder-coating line for high resistance to corrosion, resulting in long lifespan and minimum maintenance. Jib cranes that can handle weights up to 1000 kg are also available.

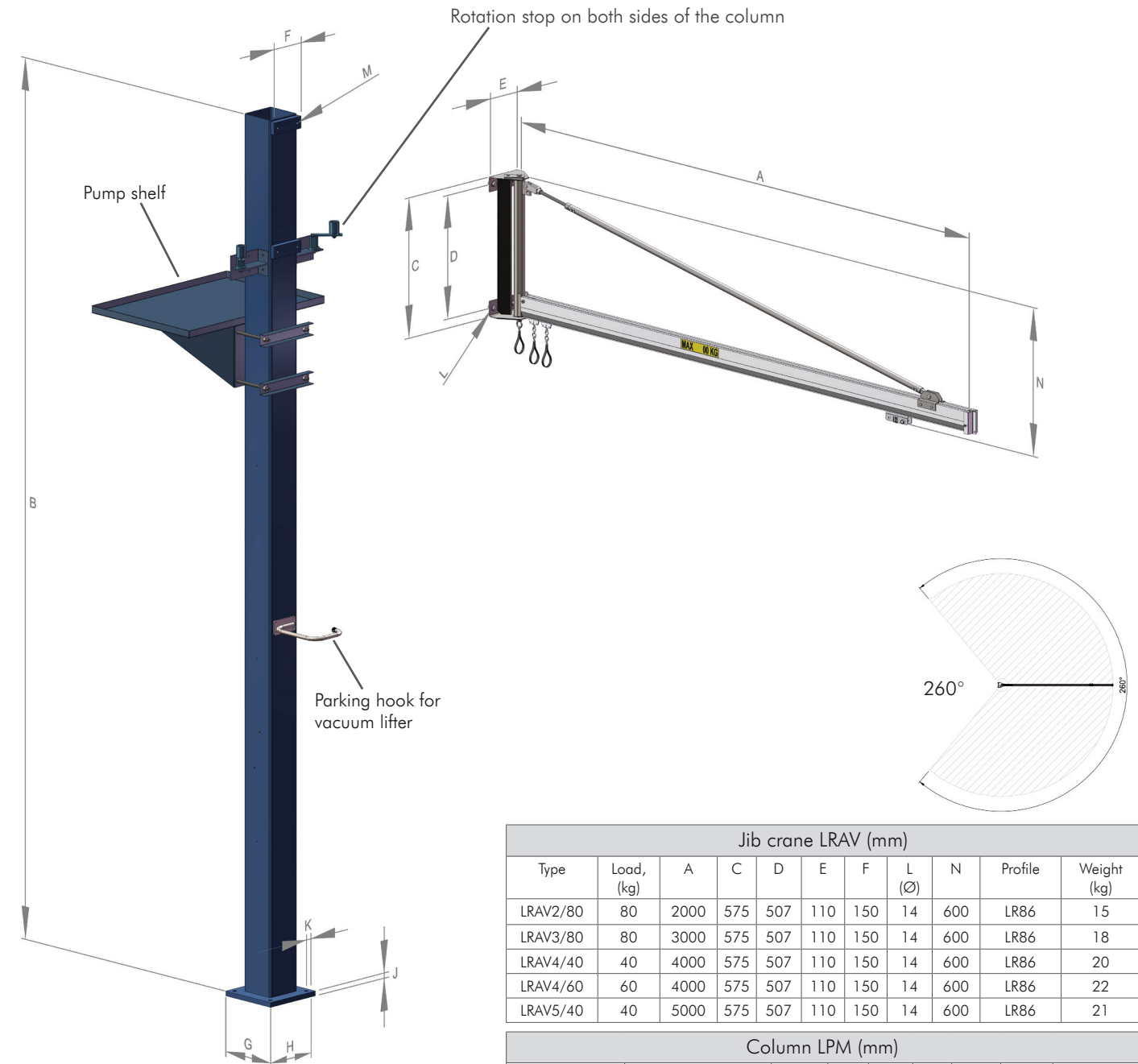
TAWI's manual jib crane portfolio consists of light weight ergonomic jib cranes; wall mounted, free standing, low built and articulating jib cranes. All jib cranes can be combined with any lifting equipment such as TAWI VacuEasylift vacuum lifter and TAWIGrip pneumatic lifter and electrical hoists. They are delivered complete with electrical systems with power supply to the hoist and main switch. The jib cranes combined with above mentioned lifting equipment are all in compliance with the requirement of EC machine directives ensuring high personal safety.

TAWI also offers jib cranes in stainless steel, with ATEX as an additional choice.

Description	
A	Length of the jib crane
B	Height of the column
C	Height of the consol
D	Distance between the holes of the console, vertical
E	Distance between the holes of the console, horizontal
F	Width of the column
G	Width of the base plate
H	Distance between the holes of the base plate
J	Thickness of the base plate
K	Diameter of the hole of the base plate
L	Diameter of the hole of the consol
M	Diameter of the threaded hole of the consol
N	Distance between the top of the consol to the fastening point of the lifting tool
L1	Length of the outer arm
L2	Length of the inner arm
P	Diameter of the tube size
Chemical and expander bolts sizes	
1	Size 1
2	Size 2
3	Size 3

Standard aluminium jib crane up to 80 kg, LRAV

The standard LRAV jib crane with LR86 aluminium profile is suitable for lightweight lifting up to 80 kg. The jib crane is flexible and can be installed on a wall or column. The advantage of using aluminium jib cranes is that it offers the least amount of friction resulting in smooth operation. Available in radius of action up to 260 degrees and various arm lengths.



Accessories	
Type	Art.no
Pump shelf	1R-32526
Parking hook for vacuum lifter	630420 (VM 80/100/120/140) 610420 (VM160/180/230/200/230/ 250/2160/2180/300)
Rotation stop	110433
Column has pre-threaded holes for easy assembling of air filter. Delivered with plastic straps for air tube.	

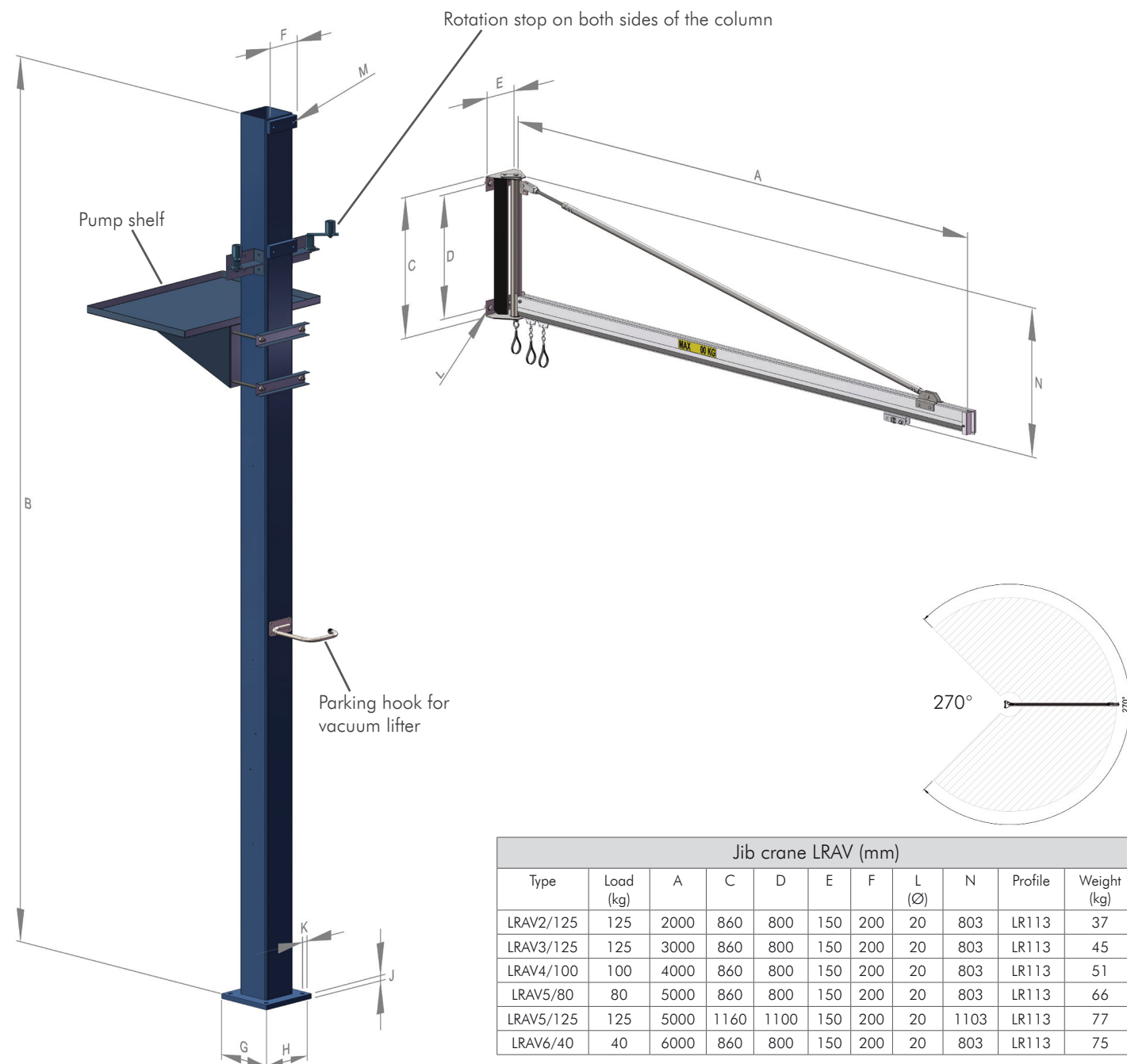
Jib crane LRAV (mm)										
Type	Load, (kg)	A	C	D	E	F	L (Ø)	N	Profile	Weight (kg)
LRAV2/80	80	2000	575	507	110	150	14	600	LR86	15
LRAV3/80	80	3000	575	507	110	150	14	600	LR86	18
LRAV4/40	40	4000	575	507	110	150	14	600	LR86	20
LRAV4/60	60	4000	575	507	110	150	14	600	LR86	22
LRAV5/40	40	5000	575	507	110	150	14	600	LR86	21

Column LPM (mm)									
Type	For jib crane type**	B	G	H	J	K (Ø)	M	Weight (kg/m)	
LPM15361 1	LRAV2/80	3610	250	200	20	20	M12	27	
	LRAV3/80								
	LRAV4/40								
	LRAV5/40								
	LRAV4/60								

** Included with the jib crane are load trolley and trolleys for air tube with leather strap, end stop, load signs and M12-bolts. IMPORTANT! When ordering a ViperHoist please order one extra load trolley and make sure to change to cable trolleys.

Standard aluminium jib crane up to 125 kg, LRAV

The standard LRAV jib crane with LR113 aluminium profile and steel support is suitable for lightweight lifting up to 125 kg. The jib crane is flexible and can be installed on a wall or column. The advantage of using aluminium jib cranes is that it offers the least amount of friction resulting in smooth operation. Available in radius of action up to 270 degrees and various arm lengths.



Jib crane LRAV (mm)										
Type	Load (kg)	A	C	D	E	F	L (Ø)	N	Profile	Weight (kg)
LRAV2/125	125	2000	860	800	150	200	20	803	LR113	37
LRAV3/125	125	3000	860	800	150	200	20	803	LR113	45
LRAV4/100	100	4000	860	800	150	200	20	803	LR113	51
LRAV5/80	80	5000	860	800	150	200	20	803	LR113	66
LRAV5/125	125	5000	1160	1100	150	200	20	1103	LR113	77
LRAV6/40	40	6000	860	800	150	200	20	803	LR113	75

Column LPM (mm)									
Type	For jib crane type**	B	G	H	J	K (Ø)	M	Weight (kg/m)	
LPM20386	LRAV2/125	3860	300	250	20	24	M16	36	
	LRAV3/125								
	LRAV4/100								
	LRAV5/80								
	LRAV6/40								
LPM21416	LRAV5/125	4160	400	250	20	24	M16	36	

** Included with the jib crane are load trolley and trolleys for air tube with leather strap, end stop, load signs and M16-bolts. IMPORTANT! When ordering a ViperHoist please order one extra load trolley and make sure to change to cable trolleys.

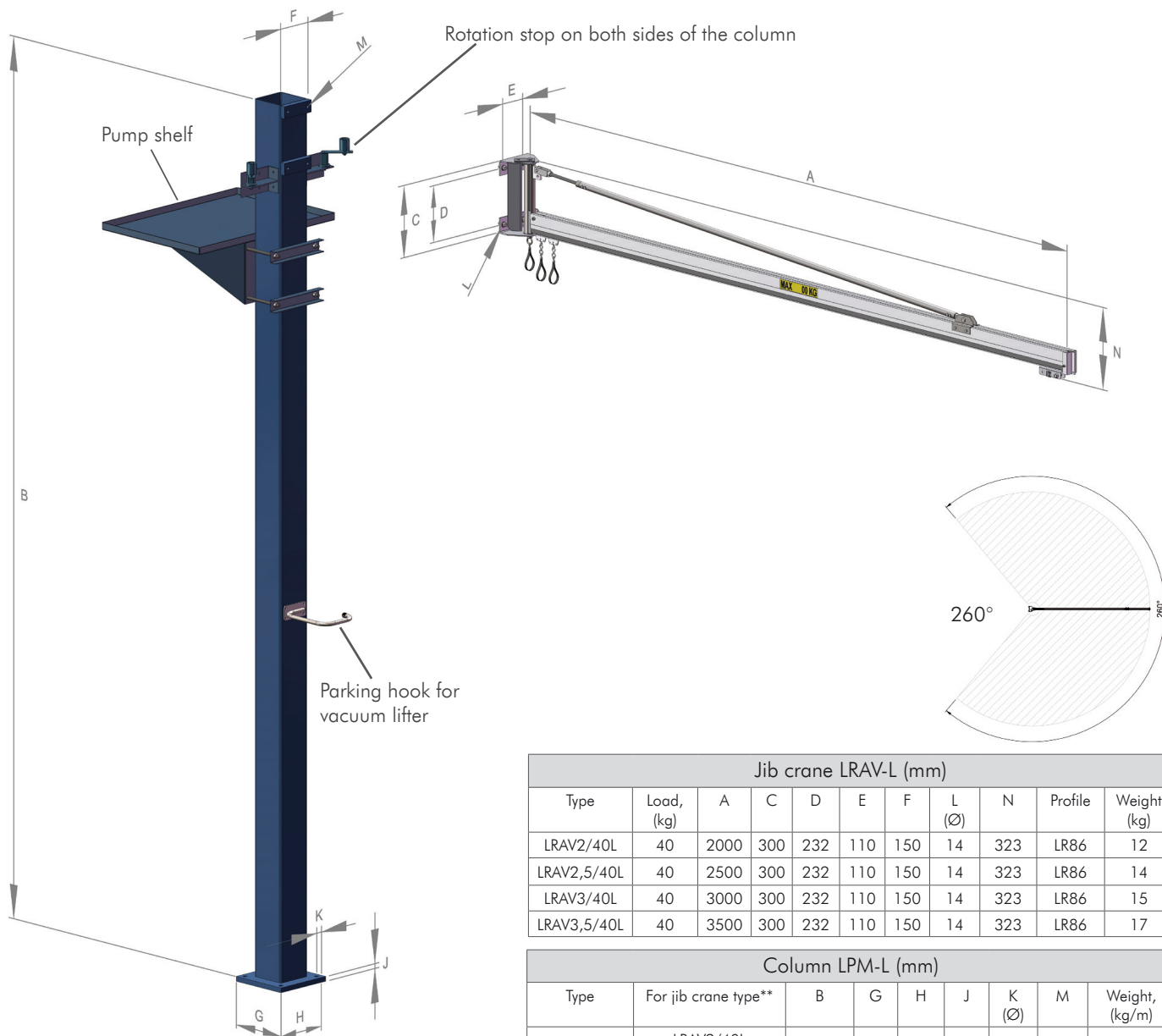
Accessories

Type	Art.no
Pump shelf	1R-32526
Parking hook for vacuum lifter	630420 (VM 80/100/120/140) 610420 (VM160/180/230/200/230/ 250/2160/2180/300)
Rotation stop	110433

Column has pre-threaded holes for easy assembling of air filter.
Delivered with plastic straps for air tube.

Low built aluminium jib crane up to 40 kg, LRAV-L

The low built LRAV-L jib crane with LR86 aluminium profile is suitable for lightweight lifting up to 40 kg. It is an optimal solution for low headroom workplace. The jib crane is flexible and can be installed on a wall or column. The advantage of using aluminium jib cranes is that it offers the least amount of friction resulting in smooth operation. Available in radius of action up to 260 degrees and various arm lengths.



Jib crane LRAV-L (mm)										
Type	Load, (kg)	A	C	D	E	F	L (Ø)	N	Profile	Weight (kg)
LRAV2/40L	40	2000	300	232	110	150	14	323	LR86	12
LRAV2,5/40L	40	2500	300	232	110	150	14	323	LR86	14
LRAV3/40L	40	3000	300	232	110	150	14	323	LR86	15
LRAV3,5/40L	40	3500	300	232	110	150	14	323	LR86	17

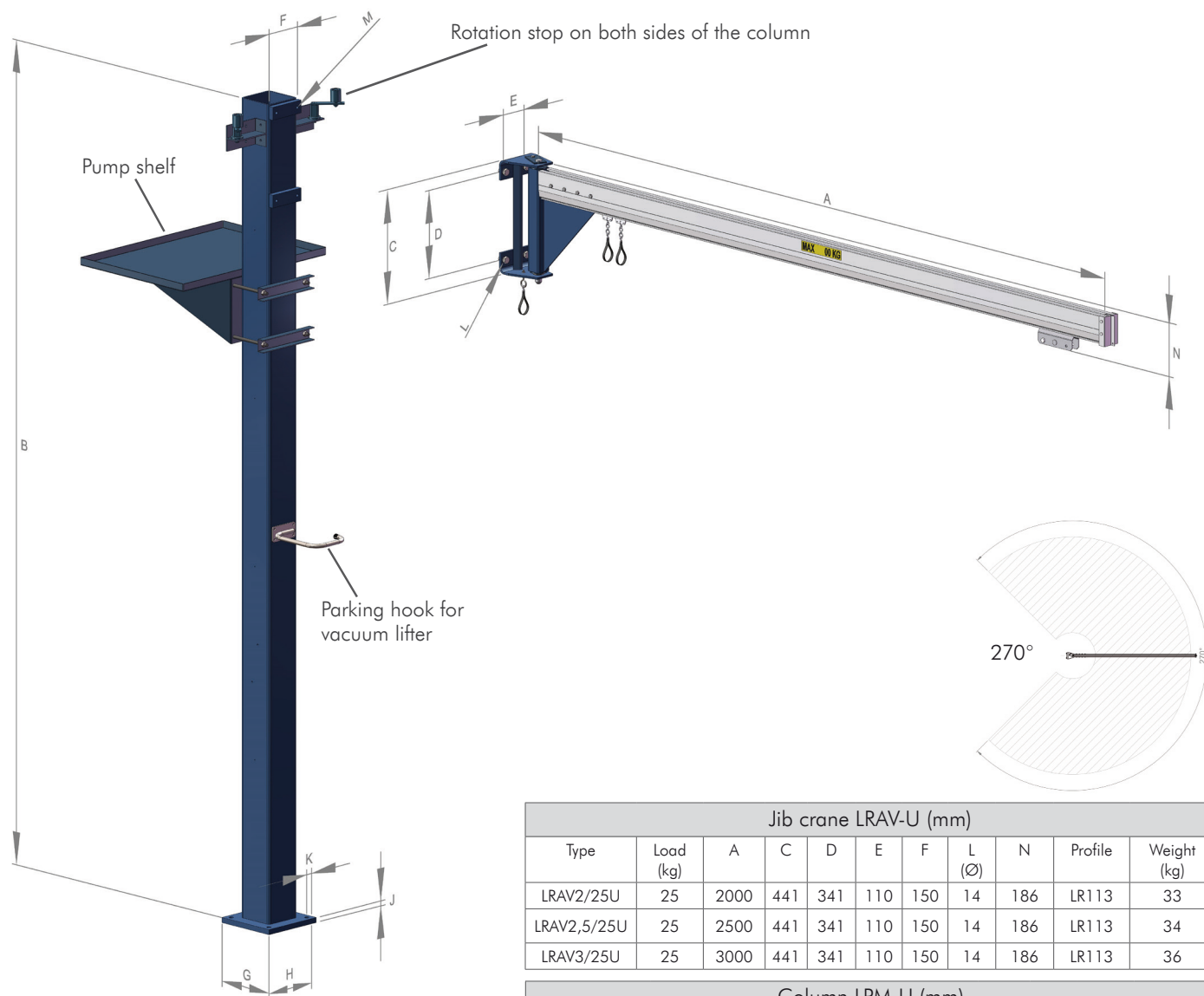
Column LPM-L (mm)								
Type	For jib crane type**	B	G	H	J	K (Ø)	M	Weight, (kg/m)
LPM15361L 1	LRAV2/40L	3610	250	200	20	20	M12	27
	LRAV2,5/40L							
	LRAV3/40L							
	LRAV3,5/40L							

** Included with the jib crane are load trolley and trolleys for air tube with leather strap, end stop, load signs and M12-bolts. IMPORTANT! When ordering a ViperHoist please order one extra load trolley and make sure to change to cable trolleys.

Accessories	
Type	Art.no
Pump shelf	1R-32526
Parking hook for vacuum lifter	630420 (VM 80/100/120/140) 610420 (VM160/180/230/200/230/ 250/2160/2180/300)
Rotation stop	110433
Column has pre-threaded holes for easy assembling of air filter. Delivered with plastic straps for air tube.	

Underbraced aluminium jib crane up to 25 kg, LRAV-U

The underbraced LRAV-U jib crane with LR113 aluminium profile is suitable for lightweight lifting up to 25 kg. It is an optimal solution to increase the lifting height. The jib crane is flexible and can be installed on a wall or column. The advantage of using aluminium jib cranes is that it offers the least amount of friction resulting in smooth operation. Available in radius of action up to 270 degrees and various arm lengths.



Jib crane LRAV-U (mm)										
Type	Load (kg)	A	C	D	E	F	L (Ø)	N	Profile	Weight (kg)
LRAV2/25U	25	2000	441	341	110	150	14	186	LR113	33
LRAV2,5/25U	25	2500	441	341	110	150	14	186	LR113	34
LRAV3/25U	25	3000	441	341	110	150	14	186	LR113	36

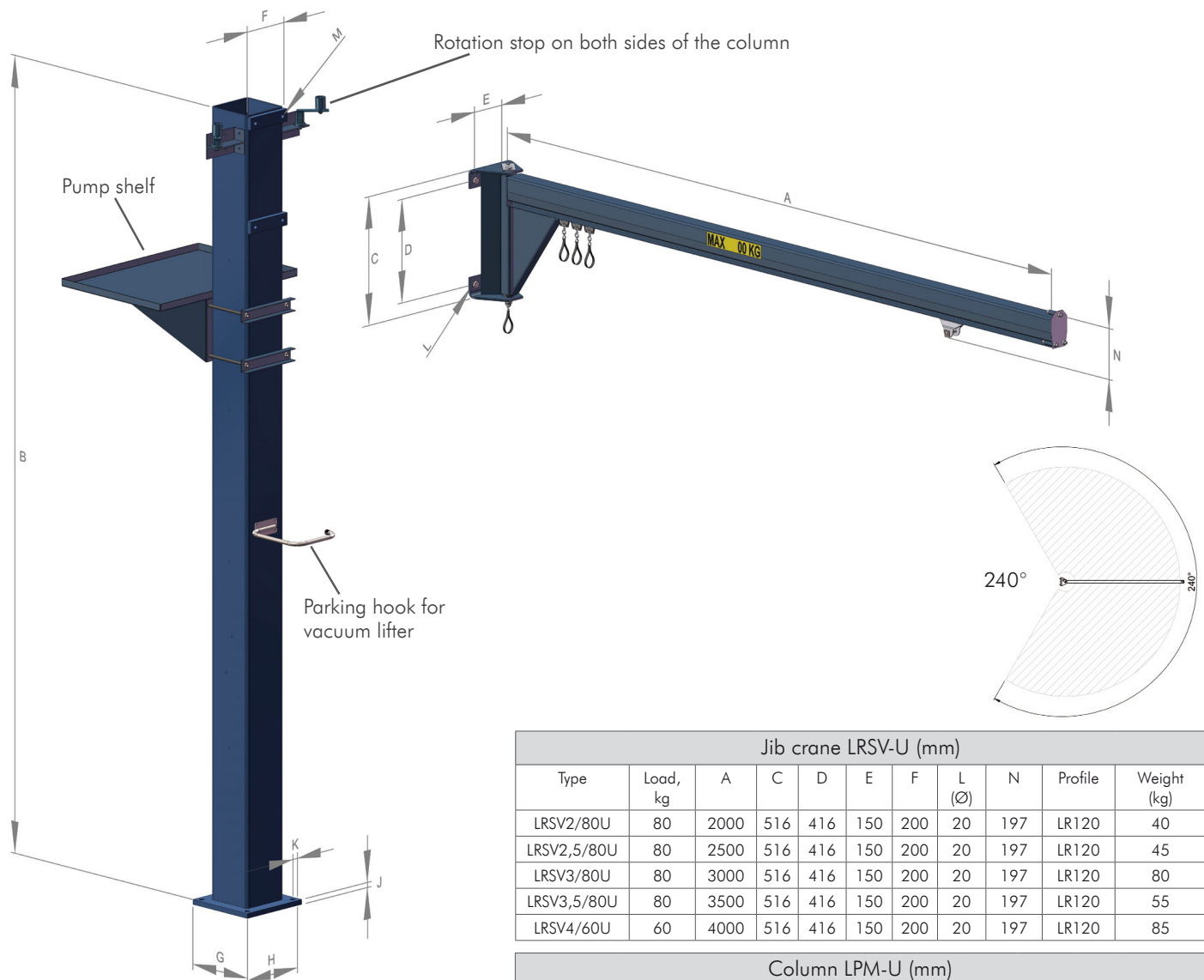
Column LPM-U (mm)								
Type	For jib crane type**	B	G	H	J	K (Ø)	M	Weight (kg/m)
LPM15320U 1	LRAV2/25U	3200	250	200	20	20	M12	27
	LRAV2,5/25U							
	LRAV3/25U							

** Included with the jib crane are load trolley and trolleys for air tube with leather strap, end stop, load signs and M12-bolts. IMPORTANT! When ordering a VipertHoist please order one extra load trolley and make sure to change to cable trolleys.

Accessories	
Type	Art.no
Pump shelf	1R-32526
Parking hook for vacuum lifter	630420 (VM 80/100/120/140) 610420 (VM160/180/230/200/230/250/ 2160/2180/300)
Rotation stop	110433
Column has pre-threaded holes for easy assembling of air filter. Delivered with plastic straps for air tube.	

Underbraced steel jib crane up to 80 kg, LRSV-U

The under braced LRSV-U jib crane with LR120 steel profile is suitable for lightweight lifting up to 80 kg. It is an optimal solution to increase the lifting height. The jib crane is flexible and can be installed on a wall or column. Available in radius of action up to 240 degrees and various arm lengths.



Jib crane LRSV-U (mm)										
Type	Load, kg	A	C	D	E	F	L (Ø)	N	Profile	Weight (kg)
LRSV2/80U	80	2000	516	416	150	200	20	197	LR120	40
LRSV2,5/80U	80	2500	516	416	150	200	20	197	LR120	45
LRSV3/80U	80	3000	516	416	150	200	20	197	LR120	80
LRSV3,5/80U	80	3500	516	416	150	200	20	197	LR120	55
LRSV4/60U	60	4000	516	416	150	200	20	197	LR120	85

Column LPM-U (mm)								
Type	For jib crane type**	B	G	H	J	K (Ø)	M	Weight (kg/m)
LPM20320U 2	LRSV2/80U	3200	300	250	20	24	M16	36
	LRSV2,5/80U							
	LRSV3/80U							
	LRSV3,5/80U							
	LRSV4/60U							

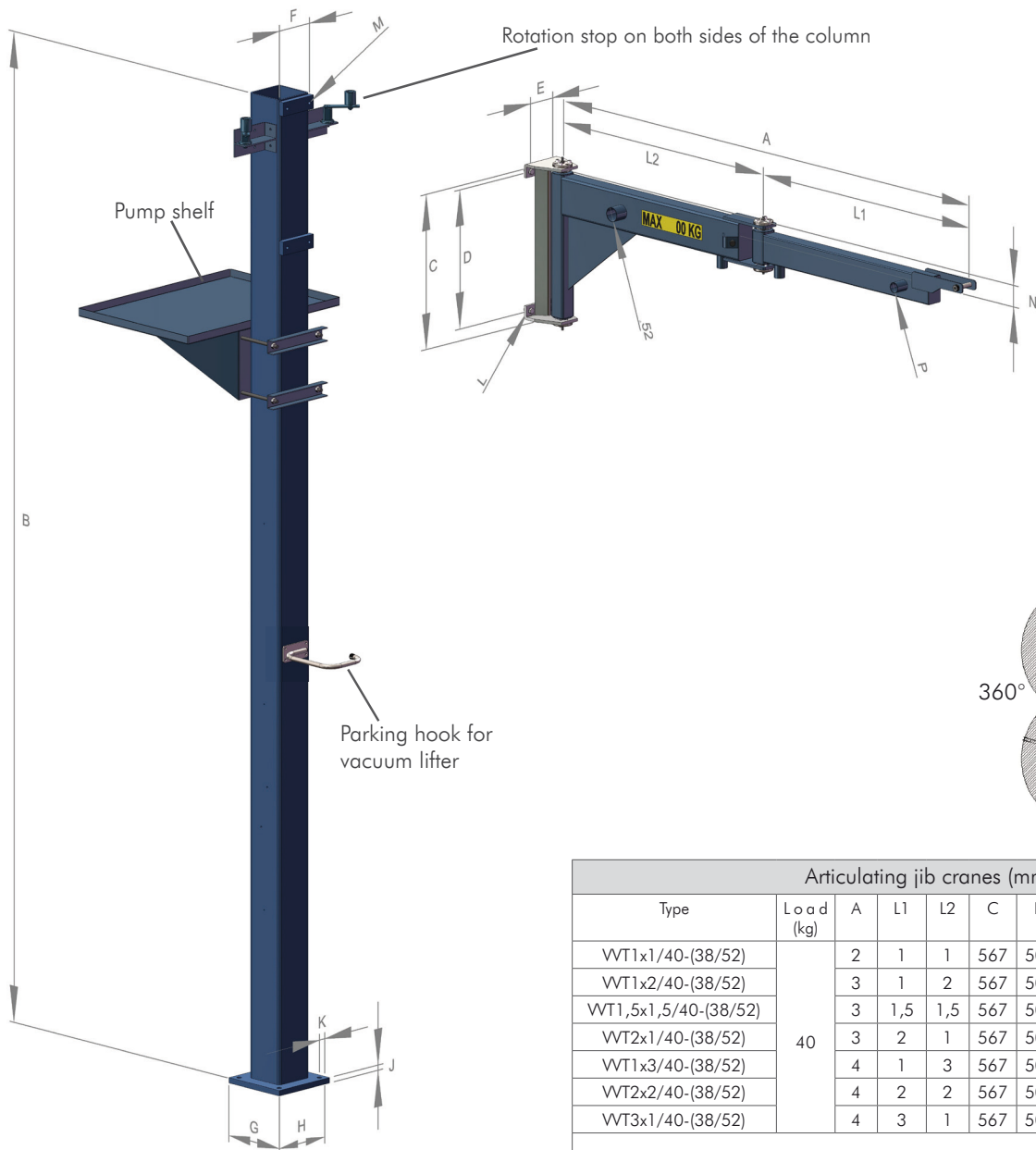
** Included with the jib crane are load trolley and trolleys for air tube with leather strap, end stop, load signs and M16-bolts. IMPORTANT! When ordering a ViperHoist please order one extra load trolley and make sure to change to cable trolleys.

Accessories	
Type	Art.no:
Pump shelf	1R-32526
Parking hook for vacuum lifter	630420 (VM 80/100/120/140) 610420 (VM160/180/230/200/230/ 250/2160/2180/300)
Rotation stop	110433

Column has pre-threaded holes for easy assembling of air filter.
Delivered with plastic straps for air tube.

Articulating steel jib crane up to 80 kg, VVT

The articulating VVT jib crane with steel profiles is suitable for lightweight lifting up to 80 kg. The articulating jib crane is an excellent option for improved operational space in small areas. The flexible design enables increased mobility and free rotation; more easily to avoid fixed obstacles. It is also a good option in low head room areas. Available in radius of action up to 360 degrees and various arm lengths.



Accessories	
Type	Art.no
Pump shelf	1R-32526
Parking hook for vacuum lifter	630420 (VM 80/100/120/140) 610420 (VM160/180/230/200/ 230/250/2160/2180/300)
Rotation stop (included as standard)	110433
Column has pre-threaded holes for easy assembling of air filter. Delivered with plastic straps for air tube.	

Column LPM VVT(mm)								
Type	For jib crane type**	B	G	H	J	K	M	Weight (kg/m)
LPM15361VVT	Custom made	3610	250	200	20	20	M12	27
LPM20386VVT	Custom made	3860	300	250	20	24	M16	36

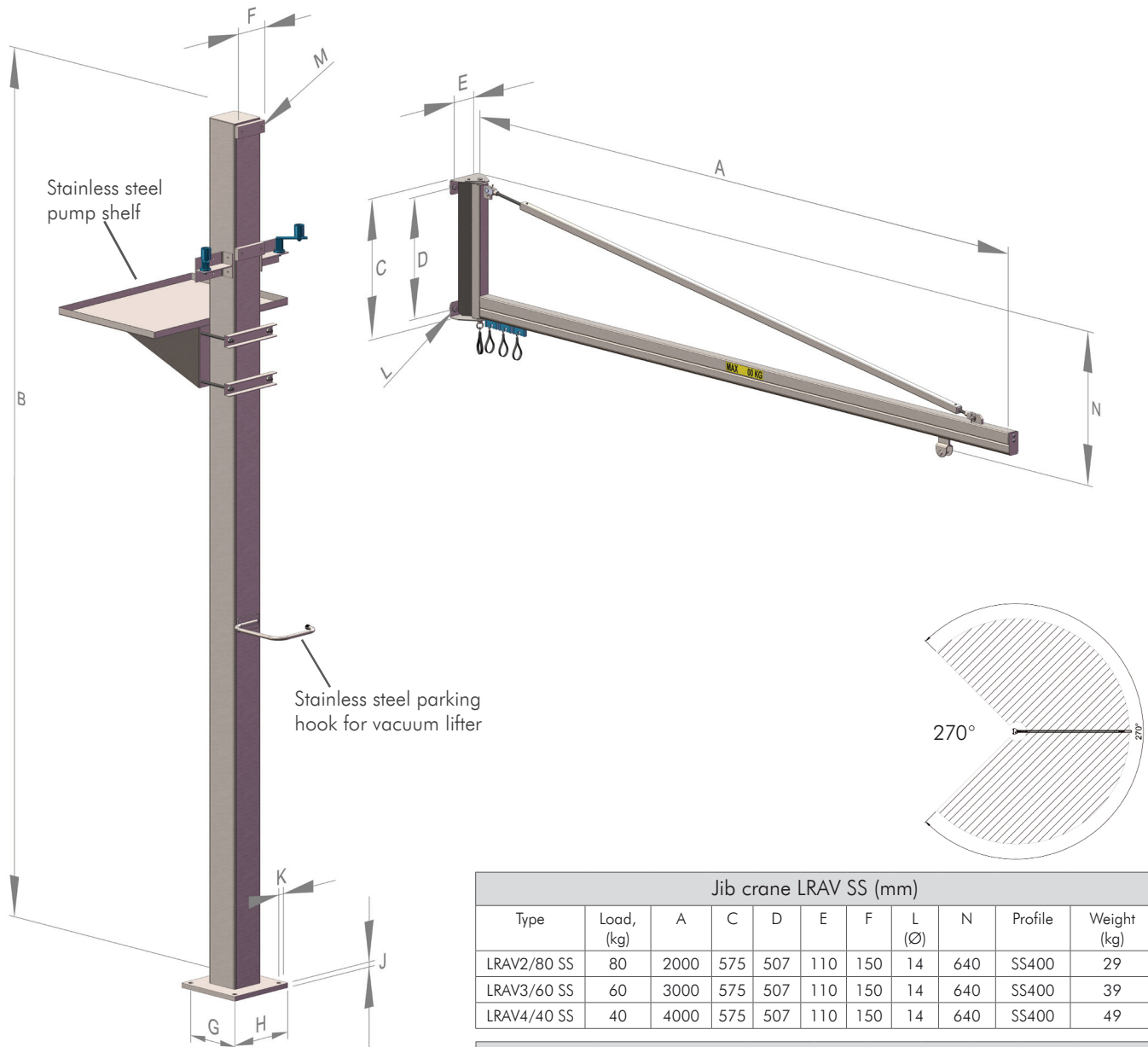
** Column type LPM20386VVT suitable for arm type VT1x3/80-(38/52), VT2x2/80-(38/52) and VVT3x1/80-(38/52).
Column type LPM15361VVT is suitable for all other cranes.
See table for articulating jib cranes.

Articulating jib cranes (mm)										
Type	Load (kg)	A	L1	L2	C	D	E	F	N	P **
VT1x1/40-(38/52)	40	2	1	1	567	507	110	150	77	32/38/52
VT1x2/40-(38/52)		3	1	2	567	507	110	150	77	32/38/52
VT1,5x1,5/40-(38/52)		3	1,5	1,5	567	507	110	150	77	32/38/52
VT2x1/40-(38/52)		3	2	1	567	507	110	150	77	32/38/52
VT1x3/40-(38/52)		4	1	3	567	507	110	150	77	32/38/52
VT2x2/40-(38/52)		4	2	2	567	507	110	150	77	32/38/52
VT3x1/40-(38/52)		4	3	1	567	507	110	150	77	32/38/52
VT1x1/60-(38/52)	60	2	1	1	567	507	110	150	77	32/38/52
VT1x2/60-(38/52)		3	1	2	567	507	110	150	77	32/38/52
VT1,5x1,5/60-(38/52)		3	1,5	1,5	567	507	110	150	77	32/38/52
VT2x1/60-(38/52)		3	2	1	567	507	110	150	77	32/38/52
VT1x3/60-(38/52)		4	1	3	567	507	110	150	77	32/38/52
VT2x2/60-(38/52)		4	2	2	567	507	110	150	77	32/38/52
VT3x1/60-(38/52)		4	3	1	567	507	110	150	77	32/38/52
VT1x1/80-(38/52)	80	2	1	1	567	507	110	150	77	32/38/52
VT1x2/80-(38/52)		3	1	2	567	507	110	150	77	32/38/52
VT1,5x1,5/80-(38/52)		3	1,5	1,5	567	507	110	150	77	32/38/52
VT2x1/80-(38/52)		3	2	1	567	507	110	150	77	32/38/52
** VT1x3/80-(38/52)		4	1	3	700	584	150	200	91	32/38/52
** VT2x2/80-(38/52)		4	2	2	700	584	150	200	91	32/38/52
** VT3x1/80-(38/52)		4	3	1	700	584	150	200	91	32/38/52

** IMPORTANT! Please specify which air tube Ø size you require.
Ø32mm (VC50/80/100/120/140) Ø38mm (VM 80/100/120/140)
Ø52mm (VM160/180/230/200/230/250/2160/2180/300)

Standard stainless steel jib crane up to 80 kg, LRAV SS

The standard stainless steel LRAV SS jib crane with SS400 stainless steel profile is suitable for lightweight lifting up to 80 kg. The jib crane is flexible and can be installed on a wall or column. The stainless steel jib crane is a great option in food or pharmaceutical industries. ATEX configuration is available as an option for workplace with ATEX requirements. Available in radius of action up to 270 degrees and various arm lengths.



Jib crane LRAV SS (mm)									
Type	Load, (kg)	A	C	D	E	F	L (Ø)	N	Profile
LRAV2/80 SS	80	2000	575	507	110	150	14	640	SS400
LRAV3/60 SS	60	3000	575	507	110	150	14	640	SS400
LRAV4/40 SS	40	4000	575	507	110	150	14	640	SS400

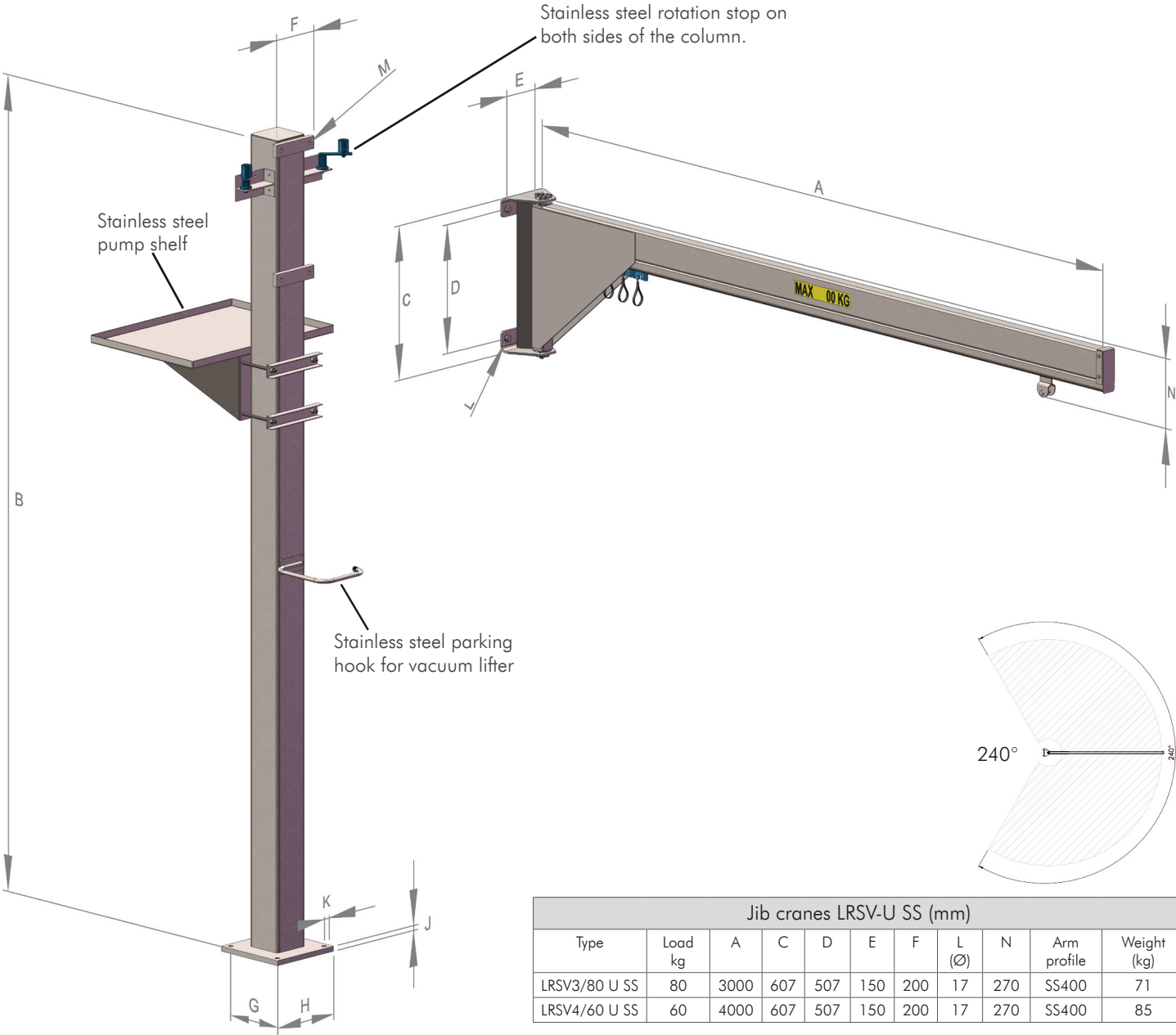
Column LPM SS (mm)								
Type	For jib crane type**	B	G	H	J	K (Ø)	M	Weight (kg/m)
161590 1	LRAV2/80 SS	3610	300	250	20	20	M12	27
	LRAV3/60 SS							
	LRAV4/40 SS							

** Included with the jib crane are load trolley and trolleys for air tube with leather strap, end stop, load signs and M12-bolts. IMPORTANT! When ordering a ViperHoist please order one extra load trolley and make sure to change to cable trolleys.

Accessories	
Type	Art.no
Pump shelf	161010
Parking hook for vacuum lifter	630420 (VM 80/100/120/140) 610420 (VM160/180/230/200/230/ 250/2160/2180/300)
Rotation stop	161013
ATEX version	Additional costs for upgrades according to price list.
Column has pre-threaded holes for easy assembling of air filter.	

Underbraced stainless steel jib crane up to 80 kg, LRSV-U SS

The underbraced stainless steel LRSV-U SS jib crane with SS400 stainless steel profile is suitable for lightweight lifting up to 80 kg. The jib crane is flexible and can be installed on a wall or column. The stainless steel jib crane is a great option in food or pharmaceutical industries. ATEX configuration is available as an option for workplace with ATEX requirements. Available in radius of action up to 240 degrees and various arm lengths.



Jib cranes LRSV-U SS (mm)										
Type	Load kg	A	C	D	E	F	L (Ø)	N	Arm profile	Weight (kg)
LRSV3/80 U SS	80	3000	607	507	150	200	17	270	SS400	71
LRSV4/60 U SS	60	4000	607	507	150	200	17	270	SS400	85

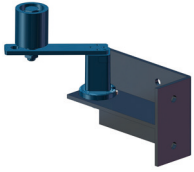
Column LPM-U SS (mm)									
Type	For jib cranes type**	B	G	H	J	K (Ø)	M	Weight (kg/m)	
162090	LRSV3/80 U SS	3200	300	250	20	20	M16	27	
2	RSV4/60 U SS								

** Included with the jib crane are load trolley and trolleys for air tube with leather strap, end stop, load signs and M16-bolts. IMPORTANT! When ordering a VipertHoist please order one extra load trolley and make sure to change to cable trolleys.

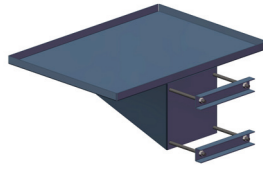
Accessories	
Type	Art.no
Pump shelf	161010
Parking hook for vacuum lifter	630420 (VM 80/100/120/140) 610420 (VM160/180/230/200/230/250/ 2160/2180/300)
Rotation stop	161013
ATEX version	Additional costs for upgrades according to price list.

Accessories

Options for aluminium and steel jib cranes



Rotation stop for aluminium and steel jib cranes. Need two, one on each side of the column.
Art.no: 110433

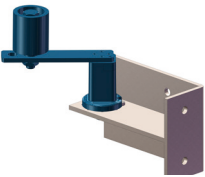


Steel pump shelf. Suitable for aluminium and steel jib cranes.
Art. no: 1R-32526

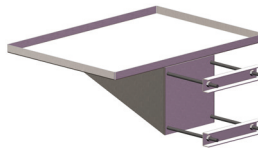


Stainless steel parking hook for all jib cranes. Two options.
Art. no: 630420 (VM 80/100/120/140)
610420 (VM160/180/200/230/250/2160/2180/300)

Options for stainless steel jib cranes



Rotation stop for stainless steel jib cranes. Need two, one on each side of the column.
Art.no: 161013

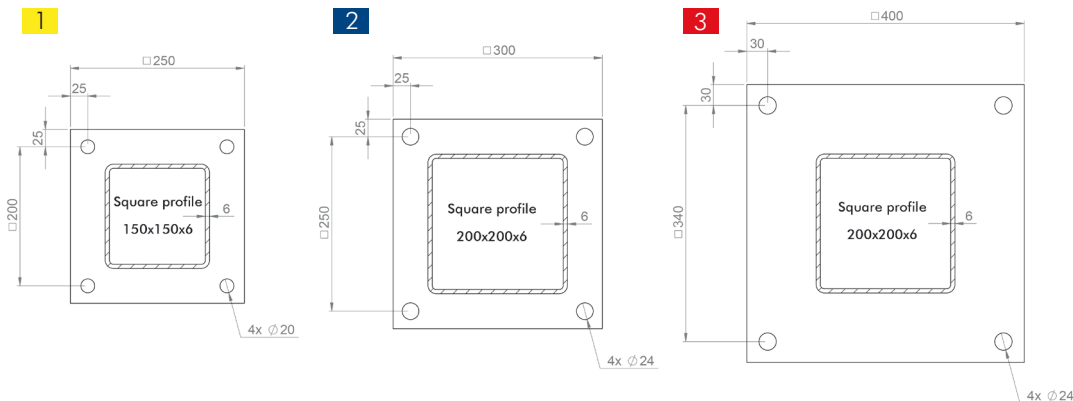


Stainless steel pump shelf. Suitable for stainless steel jib cranes.
Art. no: 161010



Stainless steel parking hook for all jib cranes. Two options.
Art. no: 630420 (VM 80/100/120/140)
610420 (VM160/180/200/230/250/2160/2180/300)

Chemical and expander bolts



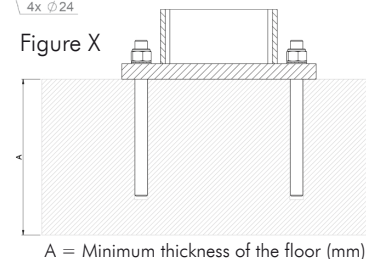
Chemical bolt fixing kit.



Expander bolt

Technical data – Overall dimensions and weights

Figure X



A = Minimum thickness of the floor (mm)

Fixing column mounted jib cranes to the floor with chemical bolts/expander bolts

Column mounted jib cranes can be fixed directly to the floor with chemical bolts or expander bolts, provided that the characteristics of the floor stated in the table are ensured, with the use of the following fixing kit:

- 4 pcs of chemical bolts M16 composed by vial with threaded bars.
- 4 pcs of expander bolts HST3.

NOTE: When using chemical bolts or expander bolts different from those specified, the bolts must be approved suitable by TAWI or TAWI authorised representative.

Jib crane size and counter plate types		Sizes		
		1	2	3
Fixing characteristics	Base material, uncracked concrete (kg/cm ²).	C 20/25	C 20/25	C 20/25
	Size of the chemical bolt fixing kit and expander bolt.	M16	M20	M20
	Quantity of the bolts.	4	4	4
	Minimum thickness of the floor for chemical bolts (mm). See figure (X).	170	220	220
	Minimum thickness of the floor for expander bolts (mm). See figure (X).	130	170	170
	Holes diameter (mm).	20	24	24
	Article numbers for chemical bolts fixing kit.	1HVAEM16/125	1HVAEM20/170	1HVAEM20/170
	Article numbers for expander bolts.	1HST3M16/115	1HST3M20/170	1HST3M20/170

NOTE: It is vital that the column is chosen and installed according to the specifics of the floor in question. Make sure to take into account the quality and load bearing capacity of the floor. Always follow TAWI instructions on user manual. At lower depths, please contact TAWI for other options.

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