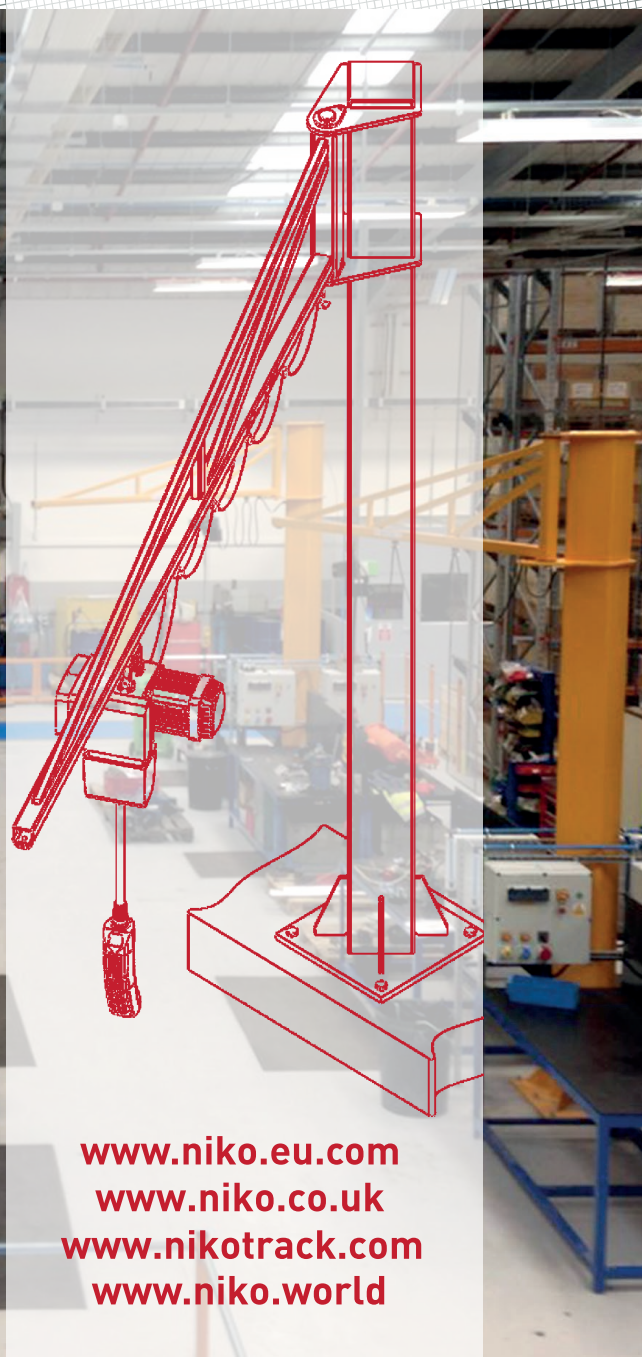


NIKO Jib Cranes



NIKO ... Quality in Motion



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NIKO Jib Cranes

NIKO manufactures and supplies a wide range of different types of jib cranes, that can be freestanding, clamp around an existing column or bolt directly onto a wall.

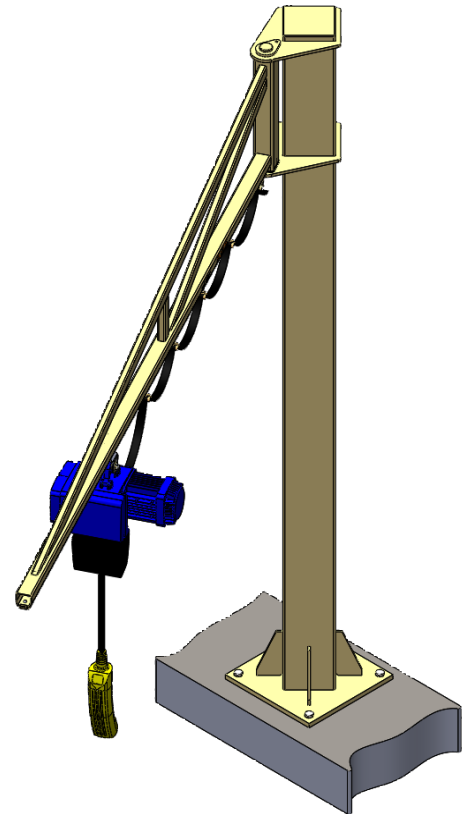
Comprising of various arm types, NIKO jib cranes are built to customer requirements to ensure they fully satisfy the customers lifting requirements.

Features

- ✓ SWL: 80 - 1000kg
- ✓ Arm length: up to 6m
- ✓ Column height: up to 5m
- ✓ Arm types: profile track, under-braced I-beam, over-braced I-beam and articulated/knuckle
- ✓ Fixing: freestanding, wall fixing, clamp around column fixing
- ✓ Slewing arc: 270° on standard arms or 360° on articulated arms
- ✓ Finish: powder coated, zinc plated, hot dip galvanised or stainless steel

Advantages

- ✓ Made to order, no costs for excess steel or cutting
- ✓ Free and easy to operate
- ✓ Low maintenance
- ✓ Lubrication-free bearings used on majority of jib arms
- ✓ Base fabricated directly to pillar and therefore expensive foundation frames are not required

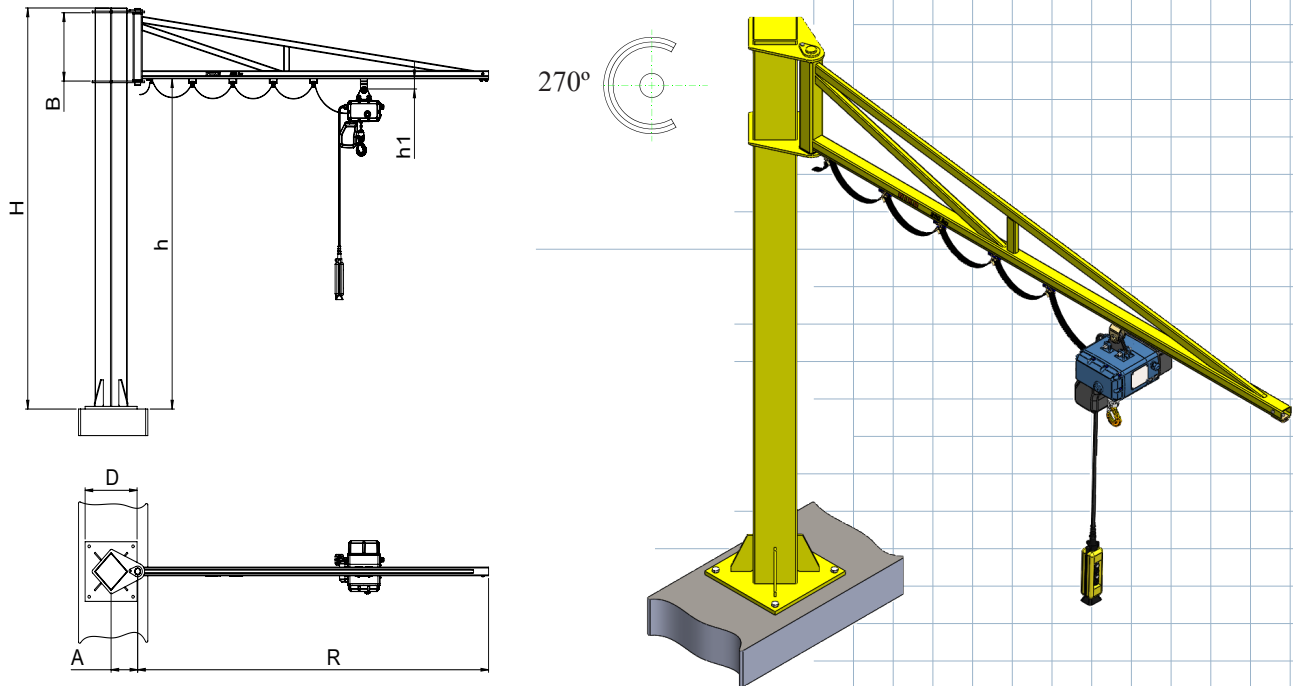


Over-braced (OB) Profile Jib cranes

In OB Profile Jib cranes the bracings are located above our NIKO track profile. This type is the most free running along the arm length and therefore is generally the easiest type for the operator to use.

Freestanding Jib crane

NIKO freestanding jib cranes are supplied in kit form and comprise of 2 main parts: the pillar and the arm. The pillars are designed and fabricated to suspend the required jib arm type. The arm is fixed to the column using a pivot pin. The arm then rotates around the pillar and enables lifting within a predetermined arc.

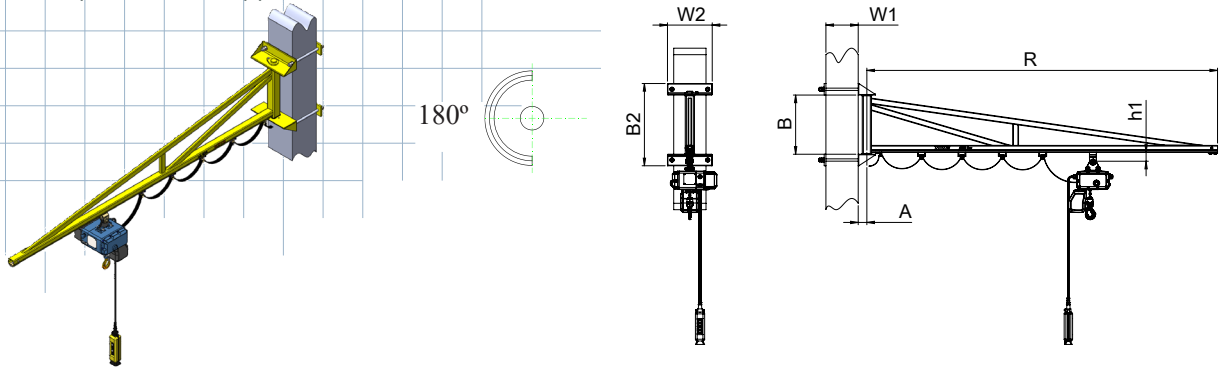


	Free standing OB Profile Jib Crane	Arm Dimensions				Freestanding pillar Dimensions			
SWL (kg)	NIKO Part No.	Radius R (m)	NIKO track Profile	Kingpin Height B (mm)	Trolley Depth h1 (mm)	Overall Height H (mm)*	Height to Under Arm h (mm)	Pivot Point A (mm)	Base Size D (mm)
80	24.J053.K30	3	24.000	500	65	3000	2500	230	450x450
	24.J064.K30	4	24.000	600	65	3000	2400	230	450x450
	25.J095.K30	5	24.000	900	65	3000	2100	230	450x450
	25.J106.K30	6	25.000	1000	77	3000	2000	260	600x600
125	25.J053.K30	3	25.000	500	77	3000	2500	230	450x450
	25.J064.K30	4	25.000	600	77	3000	2400	230	450x450
	25.J095.K30	5	25.000	900	77	3000	2100	230	600x600
	25.J106.K30	6	25.000	1000	77	3000	2000	260	600x600
250	25.J063.K30	3	25.000	600	77	3000	2400	230	450x450
	25.J084.K30	4	25.000	800	77	3000	2200	260	600x600
	26.J095.K30	5	26.000	900	94	3000	2100	260	600x600
	26.J106.K30	6	26.000	1000	94	3000	2000	260	700x700
500	26.J083.K35	3	26.000	800	94	3500	2700	260	600x600
	26.J094.K35	4	26.000	900	94	3500	2600	260	600x600
	27.J105.K35	5	27.000	1000	123	3500	2500	260	600x600
	27.J116.K35	6	27.000	1100	123	3500	2400	315	700x700
1000	27.J093.K35	3	27.000	900	123	3500	2600	315	700x700
	27.J104.K35	4	27.000	1000	123	3500	2500	315	700x700

* Columns are available up to 5 metres upon request. Jib cranes are supplied painted.

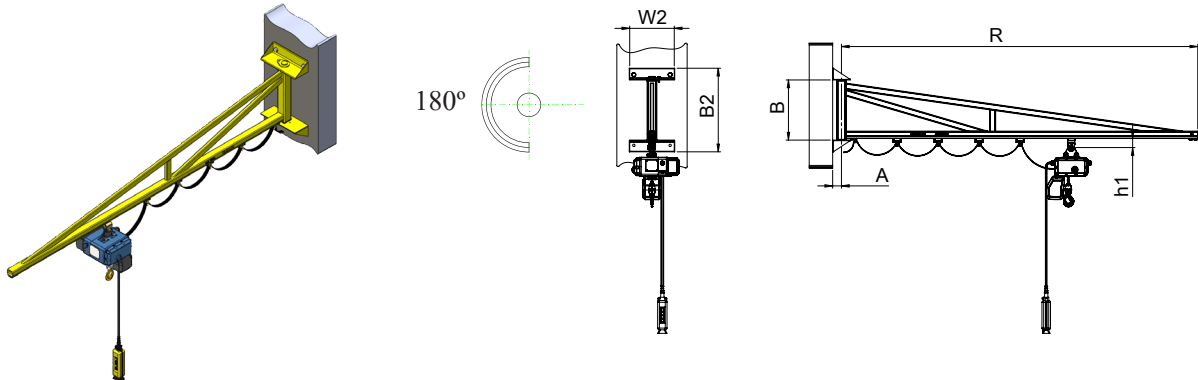
Clamp around Column Mounted Jib Cranes

NIKO column mounted jib cranes comprise of an arm and a pair of brackets that can be clamped around an existing building column/stanchion/pillar. The support structure must be tested by a structural engineer to ensure it is strong enough to sustain the weight of the jib when loaded. The arm is then located between the pair of clamping brackets and fixed using a pivot pin. The arm then rotates around the support column and enables lifting within a predetermined arc. Anti-slip measures must be taken to ensure that the jib crane cannot slip down the support column.



Wall Mounted Jib crane

NIKO wall mounted jib cranes comprise of an arm and a pair of brackets that can be bolted or welded to an existing wall or building column/stanchion/pillar. The support structure must be tested by a structural engineer to ensure it is strong enough to sustain the weight of the jib when loaded. The arm is then located between the pair of clamping brackets and fixed using a pivot pin. The arm then rotates around the support column and enables lifting within a predetermined arc.



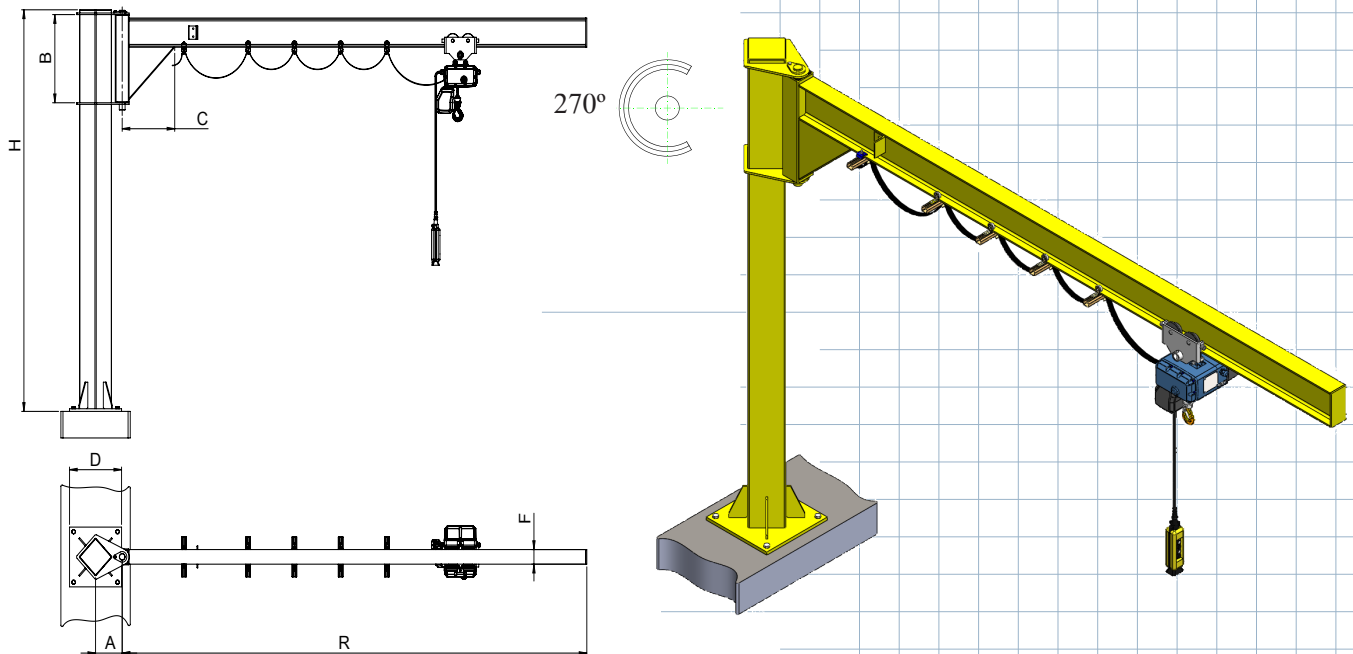
SWL (kg)	NIKO Profile Jib Crane Part No.		Arm Dimensions				Wall/Face Mounted & Clamp Around Column Bracket Dimensions			
	Column Mounted	Wall Mounted	R (m)	NIKO Track Profile	Kingpin Height B (mm)	Trolley Depth h1 (mm)	Overall Height B2 (mm)	Bracket Width W2 (mm)	W1 (mm)	Pivot Point A (mm)
80	24.J053.C	24.J053	3	24.000	500	65	680	380	500	75
	24.J064.C	24.J064	4	24.000	600	65	780	380	500	75
	25.J095.C	25.J095	5	24.000	900	65	1080	380	500	75
	25.J106.C	25.J106	6	25.000	1000	77	1180	380	500	75
125	25.J053.C	25.J053	3	25.000	500	77	680	380	500	75
	25.J064.C	25.J064	4	25.000	600	77	780	380	500	75
	25.J095.C	25.J095	5	25.000	900	77	1080	380	500	75
	25.J106.C	25.J106	6	25.000	1000	77	1180	380	500	75
250	25.J063.C	25.J063	3	25.000	600	77	780	380	500	75
	25.J084.C	25.J084	4	25.000	800	77	980	380	500	75
	26.J095.C	26.J095	5	26.000	900	94	1080	380	500	75
	26.J106.C	26.J106	6	26.000	1000	94	1180	380	500	75
500	26.J083.C	26.J083	3	26.000	800	94	980	380	500	75
	26.J094.C	26.J094	4	26.000	900	94	1080	380	500	75
	27.J105.C	27.J105	5	27.000	1000	123	1200	380	500	105
	27.J116.C	27.J116	6	27.000	1100	123	1300	380	500	105
1000	27.J093.C	27.J093	3	27.000	900	123	1100	380	500	105
	27.J104.C	27.J104	4	27.000	1000	123	1200	380	500	105

Jib cranes are zinc plated and can be painted upon request.

Under-braced (UB) I-beam Jib cranes

I-Beam Jib Cranes are generally used when powered travel is required along the arm. Under-braced I-beam jib cranes, are braced below the arm onto the underside of an I-beam. These are the lowest headroom variation and therefore are normally used in areas where headroom is limited.

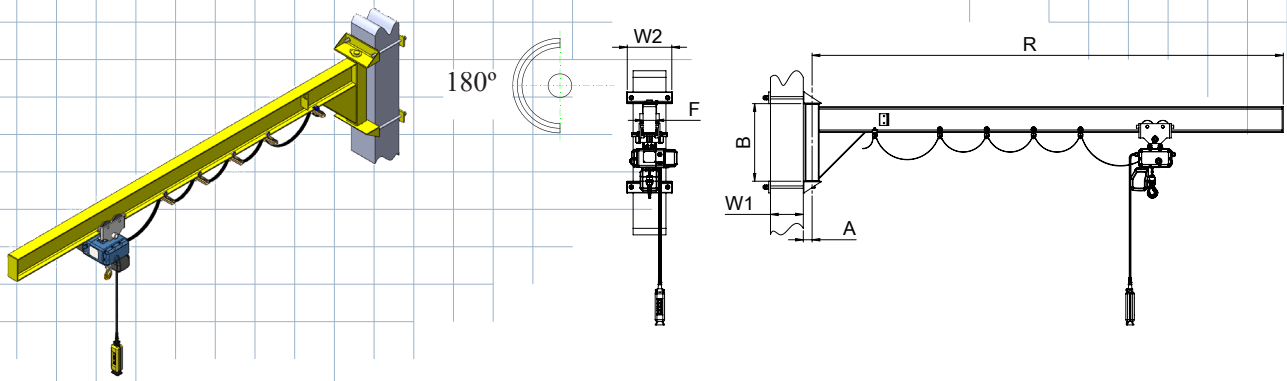
Freestanding Jib crane



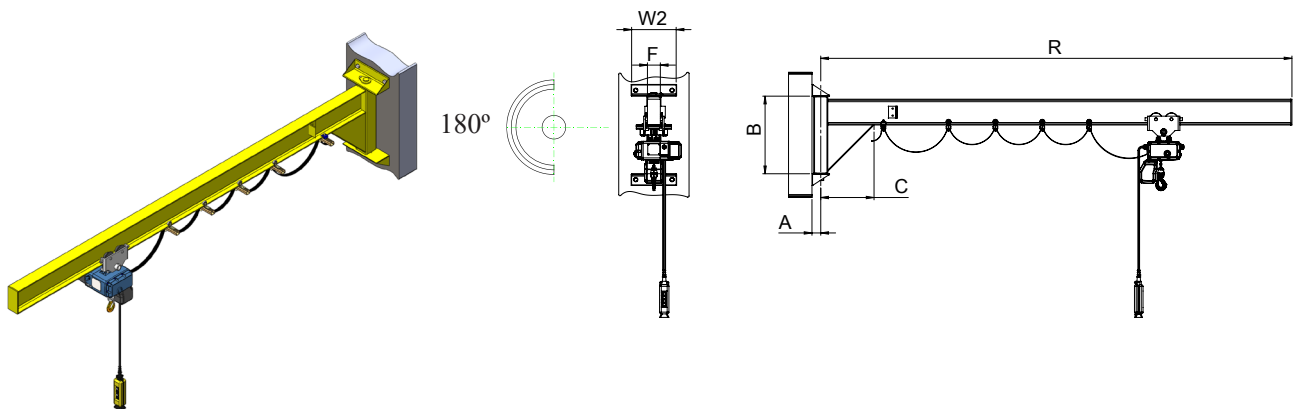
	Free standing UB Profile Jib Crane	Arm Dimensions				Freestanding Pillar Dimensions		
SWL (kg)	NIKO Part No.	Radius R (m)	Flange width F (mm)	Kingpin Height B (mm)	Under bracing length C (mm)	Overall Height H (mm) *	Pivot Point A (mm)	Base Size D (mm)
80	180.U053.K30.0080	3	91	500	320	3000	230	450x450
	180.U064.K30.0080	4	91	600	320	3000	230	450x450
	200.U095.K30.0080	5	100	900	400	3000	230	450x450
	200.U106.K30.0080	6	100	1000	400	3000	260	600x600
125	180.U053.K30.0125	3	91	500	320	3000	230	450x450
	200.U064.K30.0125	4	100	600	400	3000	230	450x450
	200.U095.K30.0125	5	100	900	500	3000	260	600x600
	240.U106.K30.0125	6	120	1000	500	3000	260	600x600
250	200.U063.K30.0250	3	100	600	400	3000	230	600x600
	240.U084.K30.0250	4	120	800	400	3000	260	600x600
	240.U095.K30.0250	5	120	900	500	3000	260	700x700
	270.U106.K30.0250	6	135	1000	550	3000	260	700x700
500	240.U083.K30.0500	3	120	800	500	3000	260	450x450
	270.U094.K30.0500	4	135	900	500	3000	260	600x600
	360.U105.K30.0500	5	170	1000	500	3000	315	600x600
	400.U116.K30.0500	6	180	1100	600	3000	315	700x700
1000	270.U093.K30.1000	3	135	900	450	3000	315	700x700
	360.U104.K30.1000	4	170	1000	500	3000	315	700x700

* Columns are available up to 5 metres upon request. Jib cranes are supplied painted.

B. Clamp around Column Mounted Jib Cranes



C. Wall Mounted Jib crane



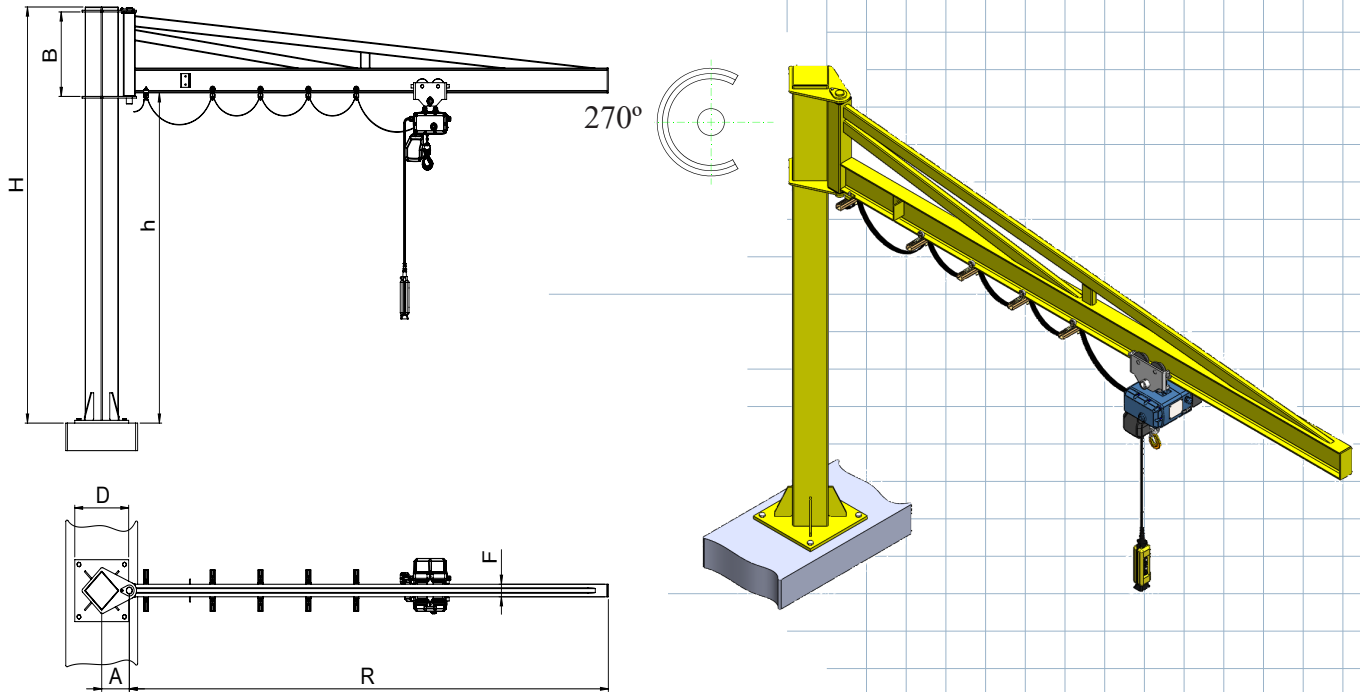
SWL (kg)	I-Beam Jib crane Part No.		Arm Dimensions				Wall/Face mounted & clamp around column bracket dimensions		
	Column mounted	Wall mounted	R (m)	Flange width F (mm)	Kingpin Height B (mm)	Under bracing length C (mm)	Bracket Width (W2)	W1 (mm)	Pivot Point A (mm)
80	180.U053.C.0080	180.U053.0080	3	91	500	320	380	500	75
	180.U064.C.0080	180.U064.0080	4	91	600	320	380	500	75
	200.U095.C.0080	200.U095.0080	5	100	900	400	380	500	75
	200.U106.C.0080	200.U106.0080	6	100	1000	400	380	500	105
125	180.U053.C.0125	180.U053.0125	3	91	500	320	380	500	75
	200.U064.C.0125	200.U064.0125	4	100	600	400	380	500	105
	200.U095.C.0125	200.U095.0125	5	100	900	500	380	500	105
	240.U106.C.0125	240.U106.0125	6	120	1000	500	380	500	105
250	200.U063.C.0250	200.U063.0250	3	100	600	400	380	500	75
	240.U084.C.0250	240.U084.0250	4	120	800	400	380	500	105
	240.U095.C.0250	240.U095.0250	5	120	900	500	380	500	105
	270.U106.C.0250	270.U106.0250	6	135	1000	550	380	500	105
500	240.U083.C.0500	240.U083.0500	3	120	800	500	380	500	105
	270.U094.C.0500	270.U094.0500	4	135	900	500	380	500	105
	360.U105.C.0500	360.U105.0500	5	170	1000	500	380	500	105
	400.U116.C.0500	400.U116.0500	6	180	1100	600	380	500	105
1000	270.U093.C.1000	270.U093.1000	3	135	900	450	380	500	105
	360.U104.C.1000	360.U104.1000	4	170	1000	500	380	500	105

Jib cranes are supplied painted.

Over-braced (OB) I-beam Jib cranes

Over-braced I-beam jib cranes are braced the same as profile arms, but with an I-beam underneath rather than a NIKO track profile. These are generally used when powered travel is required along the arm.

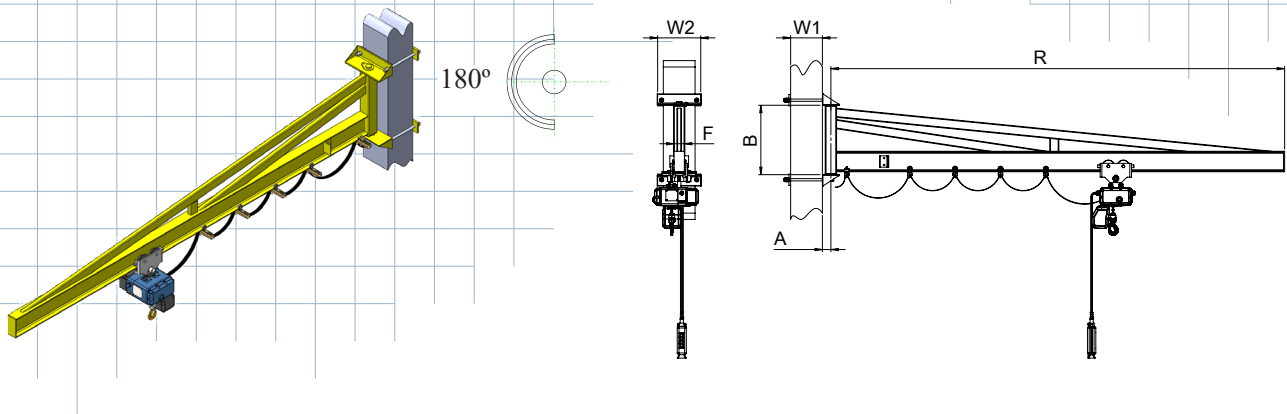
A. Freestanding Jib crane



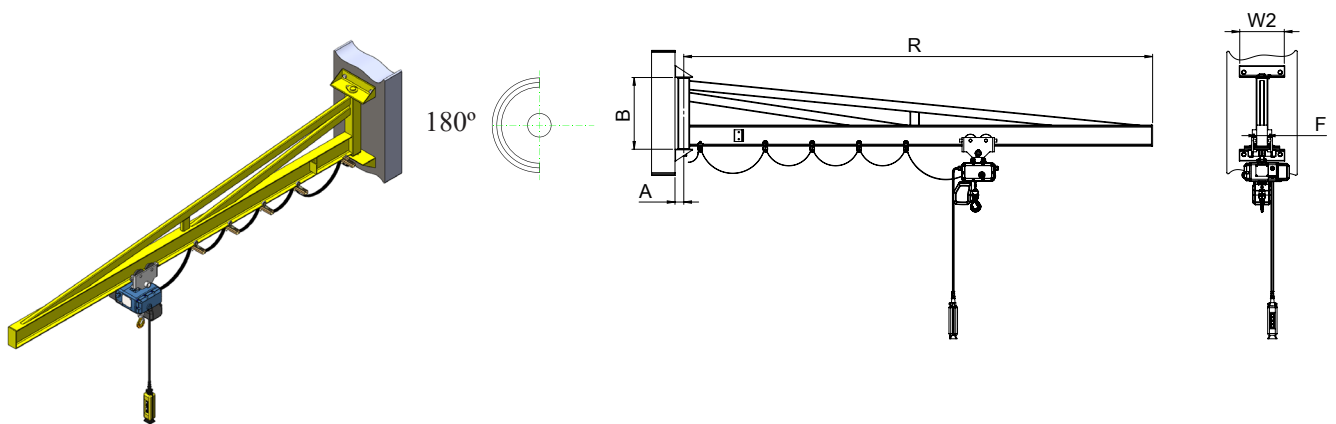
	Free stading OB I-beam Jib Crane	Arm Dimensions			Freestanding pillar Dimensions			
SWL (kg)	NIKO Part No.	Radius R (m)	Flange width F (mm)	Kingpin Height B (mm)	Overall Height H (mm) *	Height to Under Arm h (mm)	Pivot Point A (mm)	Base Size D (mm)
80	180.0053.K30.0080	3	91	500	3000	2500	230	450x450
	180.0064.K30.0080	4	91	600	3000	2400	230	450x450
	180.0095.K30.0080	5	91	900	3000	2100	230	450x450
	180.0106.K30.0080	6	91	1000	3000	2000	230	600x600
125	180.0053.K30.0125	3	91	500	3000	2500	230	450x450
	180.0064.K30.0125	4	91	600	3000	2400	230	450x450
	180.0095.K30.0125	5	91	900	3000	2100	230	600x600
	180.0106.K30.0125	6	91	1000	3000	2000	260	600x600
250	180.0063.K30.0250	3	91	600	3000	2400	230	450x450
	180.0084.K30.0250	4	91	800	3000	2200	260	600x600
	180.0095.K30.0250	5	91	900	3000	2100	260	600x600
	180.0106.K30.0250	6	91	1000	3000	2000	260	700x700
500	180.0083.K35.0500	3	91	800	3500	2700	260	600x600
	180.0094.K35.0500	4	91	900	3500	2600	315	700x700
	180.0105.K35.0500	5	91	1000	3500	2500	315	700x700
	200.0116.K35.0500	6	100	1100	3500	2400	315	700x700
1000	180.0093.K35.1000	3	91	900	3500	2600	315	700x700
	200.0104.K35.1000	4	100	1000	3500	2500	315	700x700

* Columns are available up to 5 metres upon request. Jib cranes are supplied painted.

B. Clamp around Column Mounted Jib Cranes



C. Wall Mounted track Jib crane



SWL (kg)	I-Beam Jib crane Part No.		Arm Dimensions			Wall/Face Mounted & Clamp Around Column Bracket Dimensions			
	Column mounted	Wall mounted	R (m)	Flange width F (mm)	Kingpin Height B (mm)	Overall Height B2 (mm)	Bracket Width W2 (mm)	W1 (mm)	Pivot Point A (mm)
80	180.0053.C.0080	180.0053.0080	3	91	500	680	380	500	75
	180.0064.C.0080	180.0064.0080	4	91	600	780	380	500	75
	180.0095.C.0080	180.0095.0080	5	91	900	1080	380	500	75
	180.0106.C.0080	180.0106.0080	6	91	1000	1180	380	500	75
125	180.0053.C.0125	180.0053.0125	3	91	500	680	380	500	75
	180.0064.C.0125	180.0064.0125	4	91	600	780	380	500	75
	180.0095.C.0125	180.0095.0125	5	91	900	1080	380	500	75
	180.0106.C.0125	180.0106.0125	6	91	1000	1180	380	500	75
250	180.0063.C.0250	180.0063.0250	3	91	600	780	380	500	75
	180.0084.C.0250	180.0084.0250	4	91	800	980	380	500	75
	180.0095.C.0250	180.0095.0250	5	91	900	1080	380	500	75
	180.0106.C.0250	180.0106.0250	6	91	1000	1180	380	500	75
500	180.0083.C.0500	180.0083.0500	3	91	800	980	380	500	75
	180.0094.C.0500	180.0094.0500	4	91	900	1080	380	500	75
	180.0105.C.0500	180.0105.0500	5	91	1000	1200	380	500	105
	200.0116.C.0500	200.0116.0500	6	100	1100	1300	380	500	105
1000	180.0093.C.1000	180.0093.1000	3	91	900	1100	380	500	105
	200.0104.C.1000	200.0104.1000	4	100	1000	1200	380	500	105

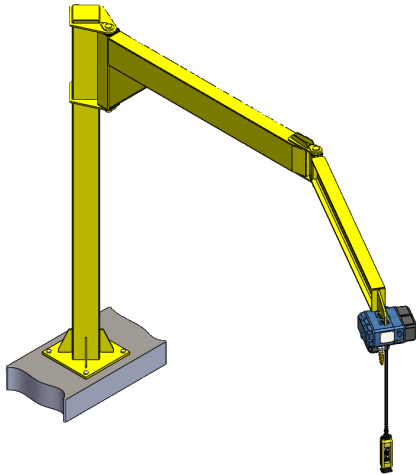
Jib cranes are supplied painted.

Special applications of Jib cranes

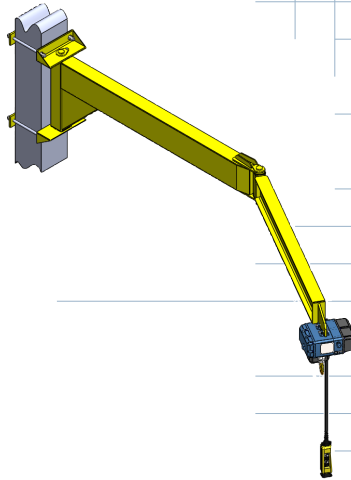
We can provide other types of jib cranes including articulated jib cranes, under-braced NIKO track profile, telescopic arms or ceiling mounted Jib Cranes. These are normally bespoke fabrications designed to meet very specific non-standard requirements.

Articulated Jib cranes

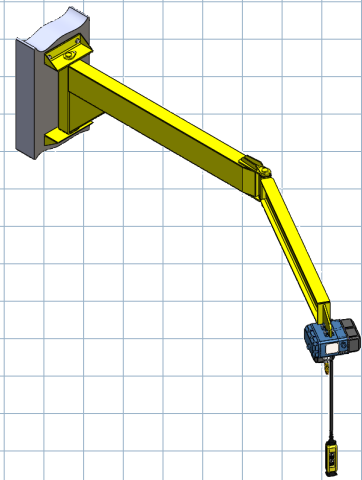
In articulated jib cranes, the arm is made in 2 sections. The 2 arm sections pivot at the joint and therefore allow the arm to cover an almost complete 360° stowing arc.



Free standing articulated Jib crane

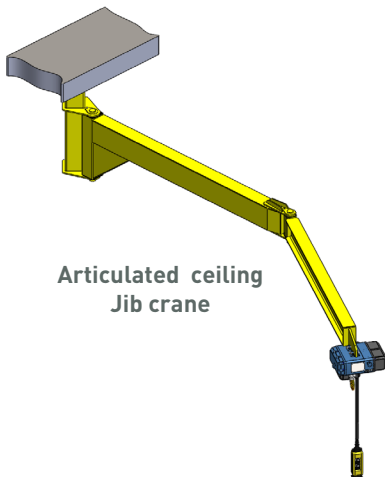


Clamp around Column Mounted articulated Jib Cranes

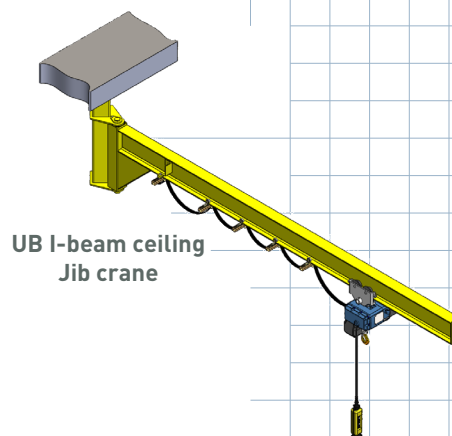


Wall mounted articulated Jib crane

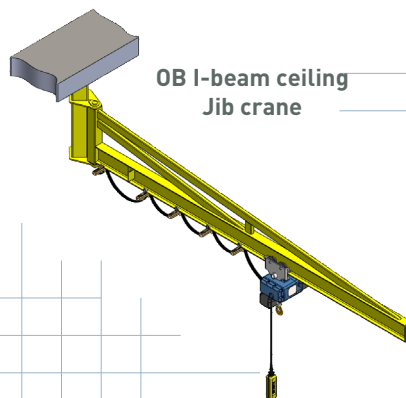
Ceiling Jib Cranes



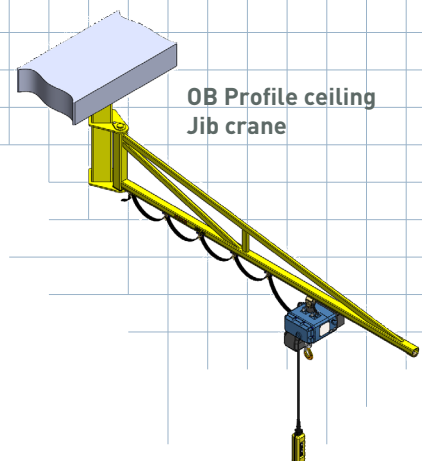
Articulated ceiling Jib crane



UB I-beam ceiling Jib crane



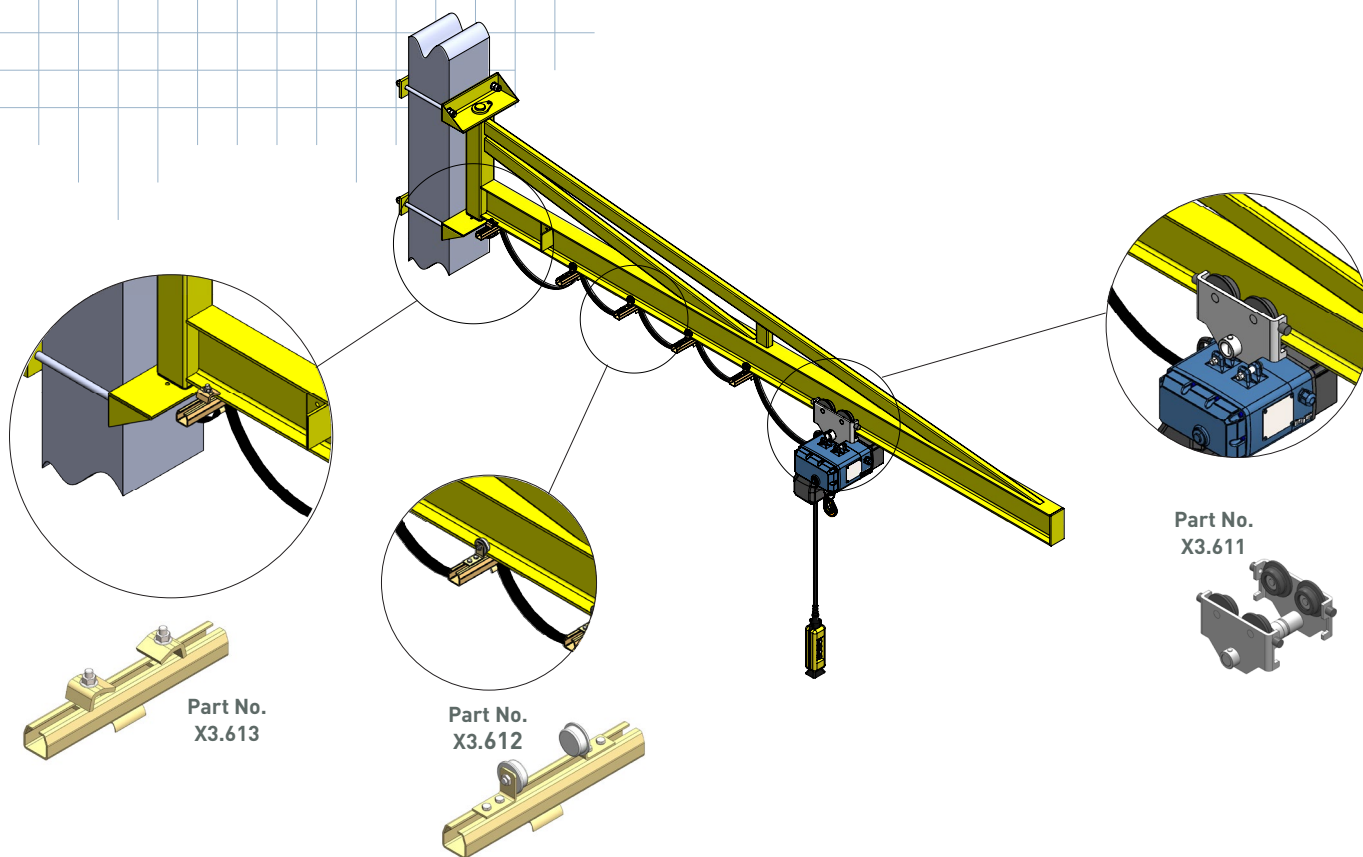
OB I-beam ceiling Jib crane



OB Profile ceiling Jib crane

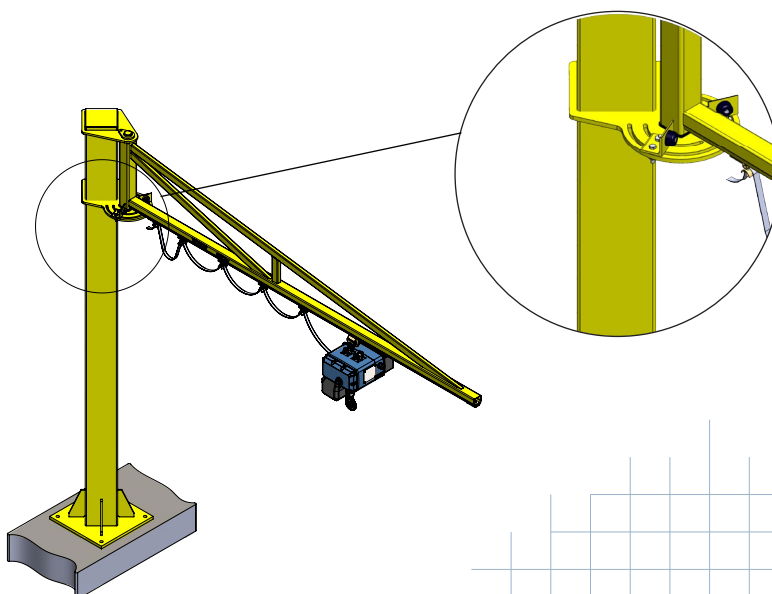
Additional components for I-Beam jib cranes

NIKO trolleys for hoists, cable trolleys and cable end clamps for all types of I-beam jib cranes.



Slewing limit for jib cranes

The slewing limit restricts the rotation of the arm for such angles as to prevent the impact of the load at fixed points and contribute in safer workspace.



Application Photos





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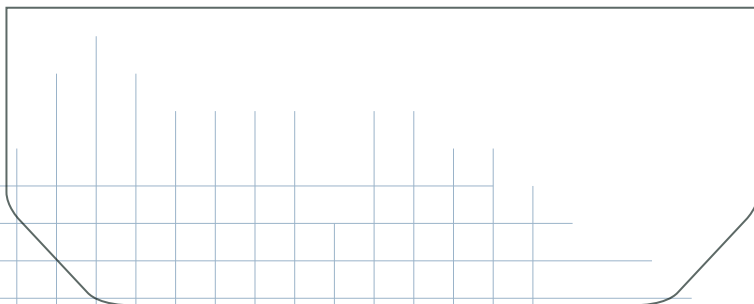
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