

Pillar and wall-mounted slewing jibs and cranes

Workplace efficiency improvement with the Demag crane range



System components and installations

As a pioneer in overhead materials handling, Demag Cranes & Components has been developing and manufacturing cranes and hoists for more than 180 years. Thanks to the system philosophy, all products and components are designed in such a way that they can be combined to create a unique scope of applications, ranging from simple hoists to complex system solutions.

State-of-the-art material-flow solutions make it possible to reduce storage and transport costs, cut delivery times and improve workplace ergonomics in companies of all sizes – from small workshops to major industrial enterprises.



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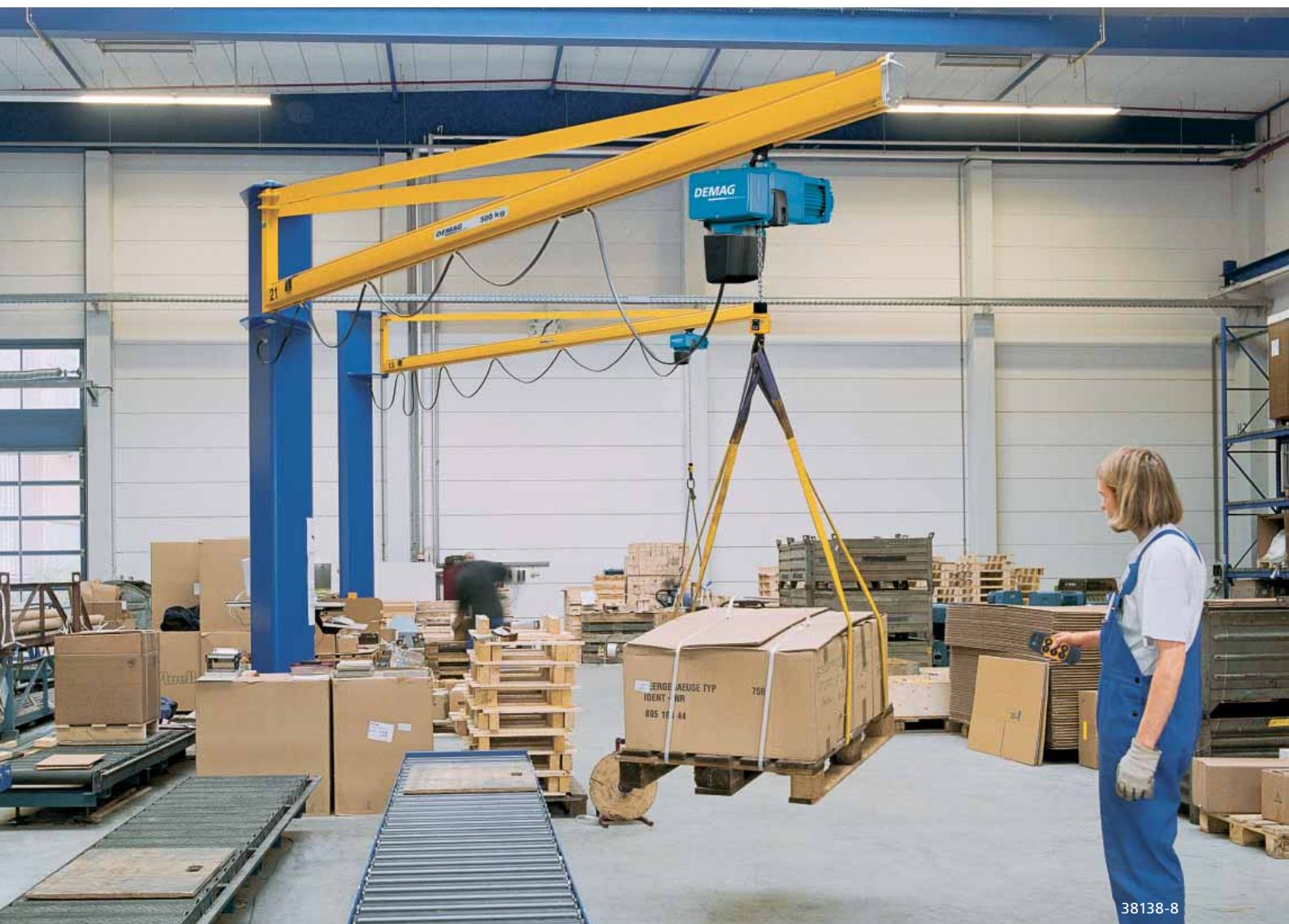
With the aim of providing customers with the maximum benefits of demanding innovation and quality standards, Demag Cranes & Components offers complete concepts for optimum efficiency coupled with maximum operating safety and reliability for operators, installations and loads. Our pillar and wall-mounted slewing jibs and cranes feature proven technology and are ideal for workplace improvement in a wide range of applications.



Switch to improved productivity and ergonomics

Manual handling and combining or moving relatively light loads is often not only time-consuming, but also an ergonomic burden for employees. Together with a wide selection of hoist units, slewing jibs and cranes installed direct at the workplace enable all types of workpieces to

be lifted and transported quickly and easily and deposited gently and precisely. In this way, setting up and idle times are considerably reduced and periods of waiting for workshop cranes to become available can be completely eliminated, for example.



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Precise and smooth positioning

Working with sensitive products, tools and machinery often requires very careful handling of the parts. Smooth lifting and lowering motions as well as precise positioning with Demag pillar-mounted slewing jibs and pillar and wall-mounted slewing cranes enable sensitive and valuable loads to be handled gently and rejects caused by impacts, sudden jolts and hard landings to be avoided. This results in smooth and efficient operating sequences and greater productivity at individual workplaces. At the same time, the use of Demag slewing jibs and cranes relieves workers of the physical burden and reduces the risk of accidents and injuries when heavy or awkward parts are handled.

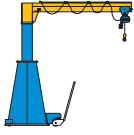
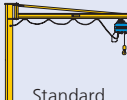

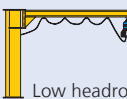

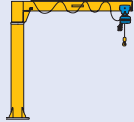


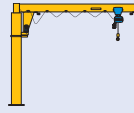
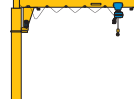

Optimum support

Pillar-mounted slewing jibs and pillar and wall-mounted slewing cranes ideally supplement all materials handling installations throughout the in-house material flow. They provide handling performance at machine tools and assembly stations, as well as in outdoor storage yards and on loading ramps.

They can also be installed with ease wherever other materials handling equipment cannot be used for structural reasons or because of the available space and they can also be integrated into machinery and installations.



The right solution for every application

Load capacity up to	Pillar-mounted slewing cranes			Wall-mounted slewing jibs			
	Type	Outreach	Slewing range	Type	Outreach	Slewing range	
500 kg	D-MOS 	up to 5 m	∞ 360°				
1,000 kg	KBK Standard 	up to 7 m	~ 300°	KBK	Standard 	up to 7 m	~ 270°
	Low headroom 				Low headroom 		
	D-GS 	up to 7 m	∞ 360°				
2,000 kg	D-AS 	up to 10 m	~ 270°	D-AW 	up to 10m	~ 180°	
5,000 kg	D-TS 	up to 7 m	∞ 360°				
10,000 kg	D-MS 	up to 12 m	∞ 360°	D-GW 	up to 12 m	~ 180°	

The crane types shown on the following pages are designed for indoor operation as standard. Designs for

outdoor operation require additional protective features, which can be found on page 18.

D-MOS mobile pillar-mounted slewing cranes



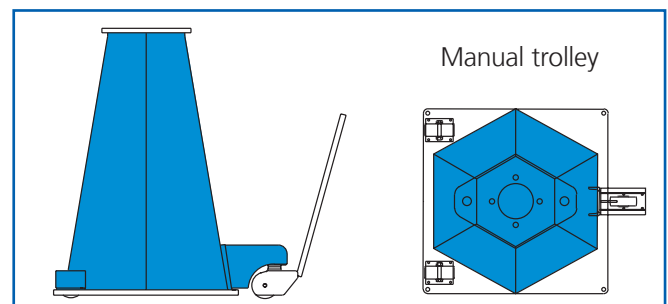
SWL (kg)	Operating range			
	Outreach (m)			
	2	3	4	5
125	Yes	Yes	Yes	Yes
250	Yes	Yes	Yes	Yes
315	Yes	Yes	Yes	Yes
400	Yes	Yes	Yes	Yes
500	Yes	Yes	Yes	Yes

Ideally suited for workplaces that are subject to frequent change, since the crane can be simply relocated together with the workplace. The location of the crane can be ideally adapted to the process requirements of the given application. D-MOS cranes are also highly suitable for maintenance or conversion work.

- Classification according to DIN 15018 H2B2
- The compact slewing unit design ensures minimum approach dimensions
- Can be easily relocated by means of a forklift or workshop crane
- Aligned at the operating location by means of four adjusting screws integrated in the crane base
- Fitted with Demag chain hoist as standard
- I-beam profile jib

Options

- Pillar extension for larger hook paths
- Manually operated trolley to move the crane without the need for any accessories
- Low-maintenance flat-cable festoon power supply
- Control travelling separately along the jib



KBK pillar-mounted slewing jibs

SWL (kg)	Operating range					
	Outreach (m)					
	2	3	4	5	6	7
80						
125						
250						
500						
1000						



KBK slewing jibs feature high load capacities and outreach in relation to their deadweight. The low weight enables the jib to be moved easily and the use of KBK hollow section rail as the crane girder provides for very low travel forces.

- Classification according to DIN 15018 H2B3
- Fitted with Demag chain hoist as standard
- Hollow-section jib
- Hammerhead pillar facilitates large slewing angle

Options

- Anchor bolt set and template for fixing to foundations
- Anchor bolt connection
- Other pillar heights and/or pedestal for larger hook paths
- Slewing motion limit stops
- Locking arrangement for the jib
- Equipment for outdoor operation

KBK pillar-mounted slewing jibs can be easily designed using the KBK Designer. You can find it on the Internet at www.demagcranes.com

KBK pillar and wall-mounted slewing jibs are also available in low-headroom design

The low headroom dimension results in a lifting height gain of 290 mm compared to the standard design. Whether for low-headroom applications, modernisation measures or changes in the use of the building, our "short" units are the perfect solution in many cases.

KBK wall-mounted slewing jibs



		Operating range					
		Outreach (m)					
		2	3	4	5	6	7
SWL (kg)	80						
	125						
	250						
	500						
	1000						

Wall-mounted slewing jibs require no floor space, since they are mounted on load-bearing concrete walls, pillars or machinery and installations. They are particularly easy to install, since the bracket is ready to be fitted as a unit and eliminates any complicated alignment work. KBK wall-mounted slewing jibs are suitable for the lower load range up to 1000 kg.

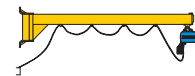
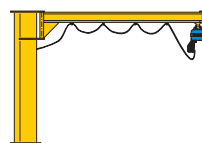
- Classification according to DIN 15018 H2B3
- Fitted with Demag chain hoist as standard
- Hollow-section jib

Options

- Pillar bracket
- Slewing motion limit stops
- Locking arrangement for the jib
- Equipment for outdoor operation

KBK wall-mounted slewing jibs can also be designed with ease using the KBK Designer on the Internet at www.demagcranes.com

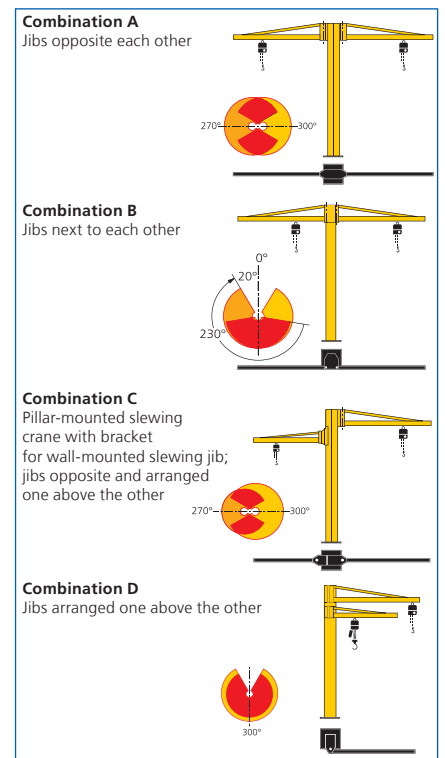
Operating range for low-headroom units	
SWL (kg)	Outreach (mm)
80	up to 3860
125	up to 3060
250	up to 2260
500	up to 1560



KBK pillar-mounted slewing crane with two jibs

KBK pillar-mounted slewing cranes with two jibs												
1st jib* SWL (kg) x outreach (m)	2nd jib* SWL (kg) x outreach (m)	Possible Combinations				1st jib* SWL (kg) x outreach (m)	2nd jib* SWL (kg) x outreach (m)	Possible Combinations				
200 x 3	200 x 2	A	B	C	D	400 x 5	200 x 5	A	B	C	-	
250 x 2	160 x 3						250 x 4					
315 x 2	160 x 2						315 x 3					
400 x 2	125 x 2						160 x 4					
125 x 4	125 x 4	A	B	C	D	500 x 5	250 x 3	A	B	C	-	
160 x 3	250 x 4						500 x 4					250 x 3
200 x 3	250 x 3						500 x 3					200 x 4
250 x 3	250 x 2						160 x 7					315 x 3
315 x 2	250 x 2	A	B	C	D	160 x 7	200 x 7	A	B	C	-	
315 x 3	125 x 3						400 x 6					400 x 6
500 x 2							800 x 5					800 x 5
							200 x 7					200 x 7
125 x 6	200 x 6	A	B	C	-	315 x 6	250 x 6	A	B	C	-	
	400 x 5						800 x 5					
	500 x 4						800 x 5					
	630 x 3						800 x 5					
160 x 6	160 x 6	A	B	C	-	500 x 5	500 x 5	A	B	C	-	
	250 x 5						630 x 4					
	400 x 4						800 x 5					200 x 5
	500 x 3						125 x 5					
200 x 6	200 x 5	A	B	C	-	1,000 x 4	200 x 4	A	B	C	-	
	315 x 4						250 x 3					
	400 x 3						500 x 3					
250 x 5	250 x 5	A	B	C	-	1,000 x 3	315 x 4	A	B	C	-	
	315 x 4						315 x 4					
	400 x 3						315 x 4					

* Maximum available jib combinations. Smaller loads and outreaches can be selected per jib.



Effective solution as a pillar-mounted slewing crane with two jibs for the same space requirement as slewing cranes with one jib. Four different jib arrangements are available for the perfect workplace design. The efficiency of specific process sequences can be improved and, at the same time, implemented economically.

- Classification according to DIN 15018 H2B3
- Fitted with Demag chain hoist as standard
- Hollow-section jib
- Hammerhead pillar facilitates large slewing angle

Options

- Anchor bolt set and template for fixing to foundations
- Anchor bolt connection
- Other pillar heights and/or pedestal for larger hook paths
- Slewing motion limit stops
- Locking arrangement for the jib

D-GS pillar-mounted slewing cranes



SWL (kg)	Operating range					
	Outreach (mm)					
	2	3	4	5	6	7
80	■	■	■	■	■	■
125	■	■	■	■	■	■
250	■	■	■	■	■	■
500	■	■	■	■	■	■
1000	■	■	■	■	■	■


Pillar-mounted slewing cranes offer a significant advantage wherever movement of the jib is not inhibited by walls, columns or similar obstacles: the slewing range covers $n \times 360^\circ$. D-GS pillar-mounted slewing cranes for loads weighing up to 1000 kg feature particularly low headroom and compact dimensions. They are ideally suited wherever maximum hook paths are required and only limited headroom is available.

- Classification according to DIN 15018 H2B2
- Fitted with Demag chain hoist as standard
- I-beam profile jib
- Round pillar

Options

- Anchor bolt set and template for fixing to foundations
- TOP anchor attachment
- KOMPAKT anchor attachment
- Anchor bolt connection
- Other pillar heights and/or pedestal for larger hook paths
- Chain hoist with electric travel
- Slewing motion limit stops
- Locking arrangement for the jib
- Low-maintenance flat-cable festoon power supply
- Control travelling separately along the jib
- Radio control

D-AS pillar-mounted slewing jibs

 **Operating range**

SWL (kg)	Outreach (m)									
	2	3	4	5	6	7	8	9	10	
80	■	■	■	■	■	■	■	■	■	■
125	■	■	■	■	■	■	■	■	■	■
250	■	■	■	■	■	■	■	■	■	■
500	■	■	■	■	■	■	■	■	■	■
1000	■	■	■	■	■	■	■	■	■	■
1600	■	■	■	■	■	■	■	■	■	■
2000	■	■	■	■	■	■	■	■	■	■



The light-weight design and low-headroom jib make this pillar-mounted slewing jib crane suitable for universal applications in the medium load range up to 2000 kg.

- Classification according to DIN 15018 H2B2
- Fitted with Demag chain hoist as standard
- I-beam profile jib
- Round pillar

Options

- Anchor bolt set and template for fixing to foundations
- TOP anchor attachment
- KOMPAKT anchor attachment Anchor bolt connection
- Anchor bolt connection
- Other pillar heights and/or pedestal for larger hook paths
- Chain hoist with electric travel
- Slewing motion limit stops
- Locking arrangement for the jib
- Low-maintenance flat-cable festoon power supply
- Control travelling separately along the jib
- Radio control
- Equipment for outdoor operation

D-AW wall-mounted slewing jibs



		Operating range								
		Outreach (m)								
		2	3	4	5	6	7	8	9	10
SWL (kg)	80	■	■	■	■	■	■	■	■	■
	125	■	■	■	■	■	■	■	■	■
	250	■	■	■	■	■	■	■	■	■
	500	■	■	■	■	■	■	■	■	■
	1000	■	■	■	■	■	■	■	■	■
	1600	■	■	■	■	■	■	■	■	■
	2000	■	■	■	■	■	■	■	■	■

D-AW wall-mounted slewing jibs are suitable for universal applications in the lower load range up to 2000 kg. The low deadweight makes it easy to move the jib even under load. Thanks to their low headroom dimension, they can also be used wherever long hook paths are needed in spite of a low ceiling height.

- Classification according to DIN 15018 H2B2
- Fitted with Demag chain hoist as standard
- I-beam profile jib

Options

- Wall bracket to accommodate the two bearing brackets of the jib
- Pillar bracket
- Chain hoist with electric travel
- Slewing motion limit stops
- Locking arrangement for the jib
- Low-maintenance flat-cable festoon power supply
- Control travelling separately along the jib
- Radio control
- Equipment for outdoor operation

D-TS pillar-mounted slewing cranes

SWL (kg)	Operating range					
	Outreach (m)					
	2	3	4	5	6	7
80						
125						
250						
500						
1000						
1600						
2000						
2500						
3200						
4000						
5000						



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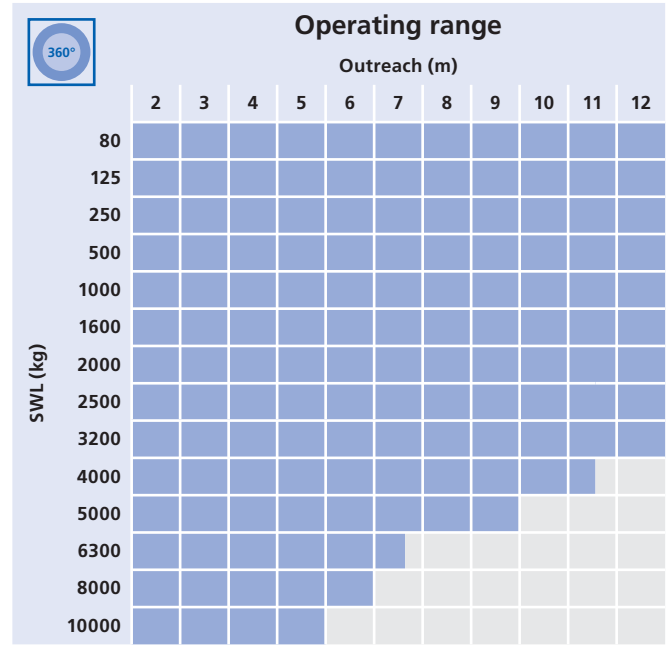
This slewing crane is the universal solution for the medium load range up to 5000 kg. The low-headroom jib provides for particularly long hook paths for an unlimited slewing range. It can also be powered by an optional electric slewing drive for ease of operation.

- Classification according to DIN 15018 H2B2
- Fitted with Demag chain hoist as standard
- I-beam profile jib
- Round pillar

Options

- Anchor bolt set and template for fixing to foundations
- TOP anchor attachment
- KOMPAKT anchor attachment
- Anchor bolt connection
- Other pillar heights and/or pedestal for larger hook paths
- Chain hoist with electric travel
- Slewing motion limit stops
- Locking arrangement for the jib
- Low-maintenance flat-cable festoon power supply
- Control travelling separately along the jib
- Radio control
- Electric slewing drive
- Equipment for outdoor operation

D-MS pillar-mounted slewing cranes



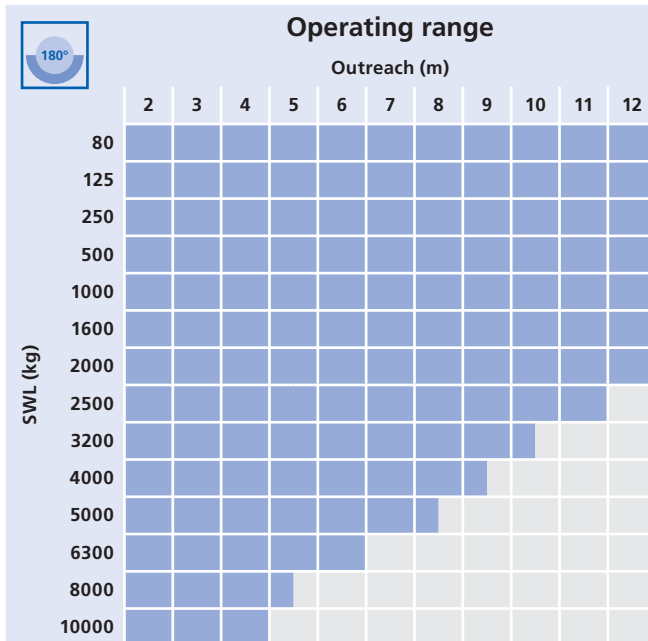
This pillar-mounted slewing crane features a high load capacity for a long outreach. The low-headroom jib provides for particularly long hook paths for an unlimited slewing range. It can also be powered by an optional electric slewing drive for ease of operation.

- Classification according to DIN 15018 H2B3
- Fitted with Demag chain hoist or Demag rope hoist as standard
- I-beam profile jib
- Round pillar

Options

- Anchor bolt set and template for fixing to foundations
- TOP anchor attachment
- KOMPAKT anchor attachment
- Anchor bolt connection
- Other pillar heights and/or pedestal for larger hook paths
- Hoist with electric travel
- Slewing motion limit stops
- Locking arrangement for the jib
- Low-maintenance flat-cable festoon power supply
- Control travelling separately along the jib
- Radio control
- Electric slewing drive
- Equipment for outdoor operation

D-GW wall-mounted slewing jibs



Designed for use with Demag chain hoists or Demag rope hoists in connection with their low-head-room jib and high load capacity, D-GW wall-mounted slewing jibs are suitable for a wide variety of applications.

- Classification according to DIN 15018 H2B3
- Fitted with Demag chain hoist or Demag rope hoist as standard
- I-beam profile jib

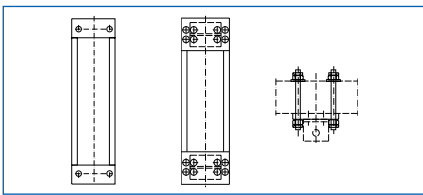
Options

- Welding plates to accommodate the jib bearing brackets
- Wall bracket to accommodate the two bearing brackets of the jib
- Pillar bracket
- Hoist with electric travel
- Slewing motion limit stops
- Locking arrangement for the jib
- Low-maintenance flat-cable festoon power supply
- Electric slewing drive
- Equipment for outdoor operation

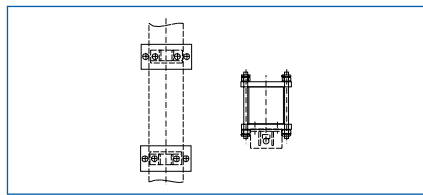
Firm connection

All wall and pillar connections for Demag slewing jib cranes offer maximum safety and ease of installation.

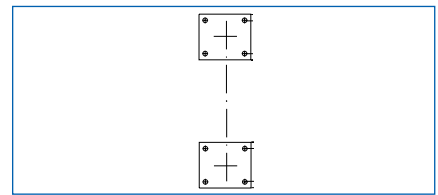
Wall connections



A **wall bracket** is used to attach slewing jib cranes to a concrete wall, for example. The unit, which accommodates the two jib bearing brackets, is ready to be installed and is attached by means of heavy-duty anchor bolts.

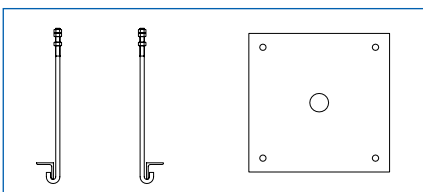


Pillar brackets can be used for simple attachment of wall-mounted slewing jib cranes to a wide range of pillar dimensions.

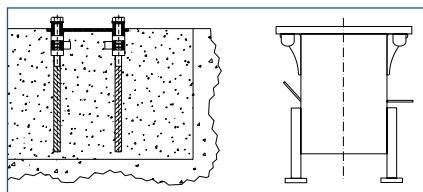


Welding plates accommodate the jib bearing brackets and are ready for installation for simple and reliable connection of cranes to steel structures.

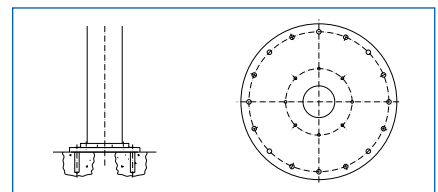
Pillar connections



Anchor bolt sets are used to fix pillars to the foundations. A template is used for precise alignment of the anchor bolts with the mounting holes in the base of the pillar.



TOP anchors and **COMPACT anchors** are the optimum solution if a crane is used at several fixed locations. They are secured in the foundations flush with the floor, the base of the pillar is bolted into place without the need for any alignment or undergrouting. When the crane is dismantled, the floor is clear of any protruding edges or other obstacles.



Heavy-duty anchors are used for securing pillar-mounted slewing cranes and jibs to existing concrete floors. Chemical anchor bolts for dynamic loads are used to fit an anchor plate to which the base of the crane pillar is then attached.

In all weathers

Demag slewing jibs and cranes can also be operated outdoors. Additional protective components make the

cranes resistant to the effects of weather and guarantee a long service life and maximum availability.



❶ Various weather canopies are available for average local weather conditions, ranging from a canopy above the hoist parking position to complete roofs.

❷ The crane can be securely locked in its parking position when subjected to strong wind forces and, if required, also fitted with a stronger drive to ensure safe and reliable operation in poor weather conditions.

❸ Depending on the climate, the steel parts can also be provided with additional protection by means of a second coat of paint or a galvanised pillar and jib.

❹ Control pendant switches can be protected against the weather by means of an enclosed housing. The use of a radio remote control system is recommended as the ideal alternative, however.

Hoists for every application

Demag compact hoist units are available with a wide range of load capacities, hoist speeds and features.

They provide optimum ergonomic relief for employees and, at the same time, maximum safety and reliability.

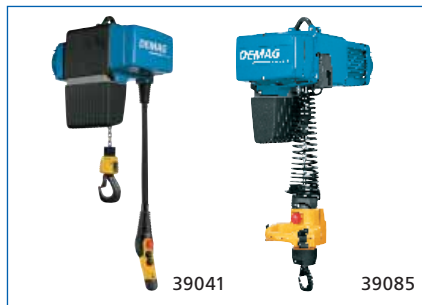


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Demag DC-Com chain hoist

The universal basic chain hoist range with two hoist speeds as standard for normal loads weighing up to 2000 kg in normal applications.

- 4 m hook path as standard
- Height-adjustable control pendant
- Contactor control as standard



39041

39085

Demag DC-Pro / DCM-Pro chain hoists

They are particularly user-friendly and feature high standards of safety and reliability and optimum efficiency. Particularly long service life for loads weighing up to 5000 kg.

- Comprehensive standard features: Limit switches, elapsed operating time counter, contactor control, diagnosis interface
- Height-adjustable control pendant
- Also available with infinitely variable speed control for particularly smooth lifting, lowering and positioning motions



39087-2

39164-3

U type trolleys for Demag chain hoists

U type trolleys enable Demag chain hoists to be moved by hand with ease. The low-wearing travel rollers provide for smooth operating characteristics and low travel resistance.

U type trolleys are designed for simple addition of an electric travel drive at a later date.



39201

Demag DR-Com low-headroom rope hoist

Can be used wherever load capacities up to 10000 kg and long hook paths are required. Particularly suitable for precise positioning of loads thanks to variable cross-travel speed.

- 6 m hook path as standard
- Control via integrated CAN bus control
- Overload protection

Demag Cranes & Components GmbH
 Dept. 2903 KBK Product Management
 P.O. Box 67
 58286 Wetter/Germany

Please send the quote to:

 Company

 P.O. Box/Street

 Town/post code

 Attention of

 Telephone/extension

 Telefax

 E-mail

Details of the planned wall-mounted jib crane

Type _____

Weight of the load G_H : _____ kg

Slewing crane jib length l : _____ m

Highest hook position H : _____ mm

Clear headroom $h + \text{min. } 100 \text{ mm}$: _____ mm

Details of the planned pillar-mounted jib crane

Type _____

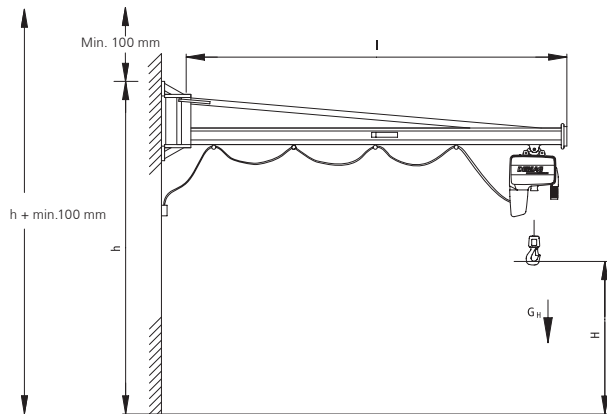
Weight of the load G_H : _____ kg

Slewing crane jib length l : _____ m

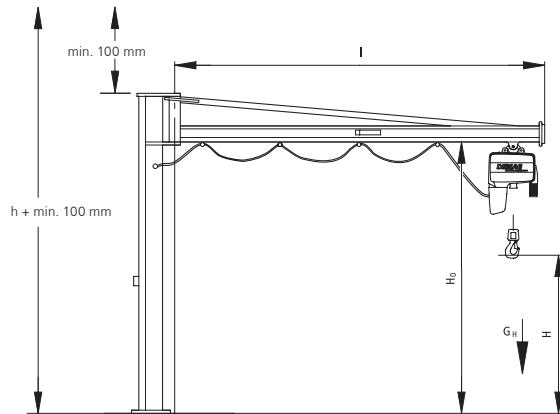
Highest hook position H : _____ mm

Clear headroom $h + \text{min. } 100 \text{ mm}$: _____ mm

Planning sheet



Planning sheet



Please state dimensions

Additional information:

Attached: to steel pillar Attachment material:

to reinforced concrete pillar already available

to reinforced concrete wall please offer

Hoist: _____

Hoist speed: _____ / _____ m/min

Operating voltage: _____ V

Control voltage: _____ V

Slewing manual electric

Cross travel manual electric

Please state dimensions

Additional information:

Foundation: with anchor bolts

concrete floor with intermediate plate

Hoist: _____

Hoist speed: _____ / _____ m/min

Operating voltage: _____ V

Control voltage: _____ V

Slewing manual electric

Cross travel manual electric

Unique range of applications



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