THE GIS*KB* CRANE SYSTEM: COST-EFFECTIVE, MODULAR, RELIABLE.

GIS®
Lifting and Crane Technology
Faith in technology. Faith in GIS.

GIS – YOUR GENERAL CONTRACTING PARTNER FOR EFFICIENT MATERIAL FLOW.

- Complete range of market services for off-floor goods handling
- A wealth of know-how – from planning through to installation
- We manufacture quality products «Made in Switzerland»
- Our approach is based on reliability and service

More features of the GIS company:

- Guaranteed innovation because of in house R & D
- Certified quality (ISO 9001)
- Our worldwide network of dealers keeps us extremely close to the market

… and a thousand and one applications!

Your benefits:

- solutions that match your particular situation
- maximum flexibility – another benefit of the wide GIS range
- cost-effective, reliable goods handling
- business relationships based on partnership

AN OVERVIEW OF GIS PRODUCTS.

Lifting technology

GIS electric chain hoists (up to 5´000 kg)

- low wear, reliable, easy to maintain
- application: stationary, movable on I-beams or combined with GIS crane system

Crane technology

GISKB crane system (up to 1´250 kg)

- modular concept
- single and double bridge suspended crane for all-round goods transportation
- monorail with bends and switches for linebound transportation
- lightweight design

GIS travelling cranes (up to 5´000 kg)

- designed to customer specifications
- conventional design
- especially suitable for larger spans

GIS slewing pillar and wall cranes (up to 1´000 kg)

- for use when ceilings have insufficient load-bearing capacity
- an ideal addition to your suspended crane
- quick to plan, simple, easy to handle

Vacuum lifting technology

Gentle lifting with GIS vacuum equipment (up to 500 kg)

- for all types of surfaces and a huge variety of products
- can be combined with electric chain hoists/wire rope hoists

Your benefits:

- perfected quality products
- tested and proven thousands of times over
- simple design and installation
- at any time extendable

THE GIS*KB* CRANE SYSTEM: A BRIEF OUTLINE OF OUR VERSATILE RANGE.

Countless variants – the details:

Single bridge suspended crane

- all-round goods transportation, up to 1´250 kg (optional 2´000 kg)
- for normal headrooms

Single bridge suspended crane

Double bridge suspended crane

- all-round goods transportation, up to 1´250 kg (optional 2´000 kg)
- for larger spans resp. transportation distances
- for lower headrooms

Monorail with bends, switches and turntables

- to link workstations, up to 1´550 kg
- flexible line routing thanks to bends
- individual lines can be connected using slide switches and turntables

Double bridge suspended crane

Three more product variants

For use when ceilings have insufficient load-bearing capacity or as an addition to your suspended crane. To reduce machine set-up times and waiting times.

- **Slewing pillar crane**

  Up to 1´000 kg, max. rotational field 270°, jib arm length up to 5 m. Can also be supplied as a slewing articulated crane (up to 250 kg).

- **Slewing wall crane**

  The alternative when it is not possible to erect a pillar. Installation on an existing pillar/wall. Technical data as for slewing pillar crane.

- **Handy chain and telescope models**

  Economic lifting of small loads. A valuable way of making work easier, in combination with a slewing or suspended crane. Can handle eccentric loads: control unit directly on the load hook.

Monorail

Slewing pillar crane

… and options for even more flexibility.

GIS switch/turntable

- for accurate transitions between tracks
- variants: slide switches/turntables with internal or external conductor lines

For more details: page 14

GISKB bends

- to reach individual workstations with total accuracy
- to make optimum use of confined spaces

For more details: page 14

Locking

- cost-saving technology to cover partial working areas
- no need for a complete crane system
- function: locking and traversing into a lateral monorail

Internal conductor line

- the elegant alternative to trailing cables or looped wires
- placed inside the hollow profile (for mechanical protection)
- ideal in confined spaces
- can be supplied in metre grid

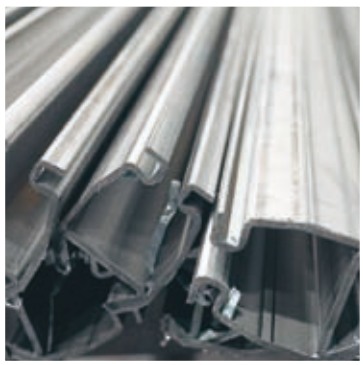
For more details: page 13

Your benefits:

- reasonably priced, thanks to series-produced standard parts and rolled profiles
- simple to install, all components can be screwed
- manual or electrical crane/trolley movement
- low noise level thanks to plastic guide rollers
- variable power supply
- guaranteed conversion/extension of existing crane systems

PROFILES – STRONG COMPONENTS AT THE HEART OF GIS*KB*.

- two profile sizes
- connection plate on both ends
- standard profile lengths ex stock, between 1 m and 8 m
- special dimensions to order



Your benefits:

- excellent performance thanks to high load-carrying capacity
- simple to install, thanks to optimised design
- competitively priced, thanks to standard rolled profiles

Optimal profile size

Use the table below to determine the optimal profile size, depending on the load P and the span W.

BASIS: MAX. PERMISSIBLE DEFLEXION = W/400, MAX. STRESS = 180 N/MM2.
LIFTING GEAR WEIGHT: 25 KG (UP TO LOAD CAPACITY OF 500 KG), 50 KG (FOR LOAD CAPACITY OF OVER 500 KG)

Load capacity	GIS*KB* I Span (m)									GIS*KB* II Span (m)									Load capacity
	▽_▽		INP 120 ▽□▽		INP 160 ▽□▽		INP 180 ▽□▽		MR	▽_▽		INP 120 ▽□▽		INP 160 ▽□▽		INP 180 ▽□▽		MR	
100 kg	4.7	5.9							7.5	7.2									100 kg
125 kg	4.4	5.6							6.9	6.9									125 kg
160 kg	4.0	5.3	7.8	7.8	7.8	7.8	7.8	7.8	6.1	6.4	7.8	7.8	7.8	7.8	7.8	7.8	7.8		160 kg
200 kg	3.7	4.9							5.6	6.0	7.5								200 kg
250 kg	3.4	4.6	7.4						5.0	5.6	7.1								250 kg
320 kg	3.1	4.2	6.8						4.2	5.1	6.6							7.6	320 kg
400 kg	2.8	3.8	6.3						3.3	4.7	6.2	7.6						6.8	400 kg
500 kg	2.5	3.5	5.5	7.5	7.5				2.9	4.3	5.7	7.1						5.8	500 kg
630 kg	2.0	3.2	4.5	7.0	6.3		7.3		2.3	3.8	5.2	6.4						4.5	630 kg
800 kg		2.8		6.4						3.2	4.8	5.2	7.7	7.0				3.6	800 kg
1,000 kg		2.5		5.6		7.5				2.7	4.3	4.3	7.1	5.8		6.6		3.1	1,000 kg
1,250 kg		2.1		4.6		6.4		7.4		2.2	3.9	3.5	6.5	4.7		5.4		2.6	1,250 kg

Single crane bridge **Double crane bridge** **Monorail (MR)** with at least 3 suspension points ▽□▽ = with reinforcement ▽_▽ = without reinforcement


sema


GIS 500kg

SUSPENSIONS
TO MEET EVERY PRACTICAL NEED.

Short, rigid

- the rigid suspension can only be supplied in the short version
- reduced headroom dimension

Short, pendulating, adjustable

- ball pins and nuts are screwed together directly
- pendulation movements max. 10°
- height adjustable by ± 7.5 mm

Distanced, pendulating, adjustable

- distanced suspension, variable length
- height differences of ± 15 mm can be adjusted out

Distanced, pendulating, adjustable, braced

- > distance 0.5 m: bracing is mandatory
- longitudinal bracing: both ends of track
- transverse bracing: on one side, every 2nd suspension

Lateral suspension

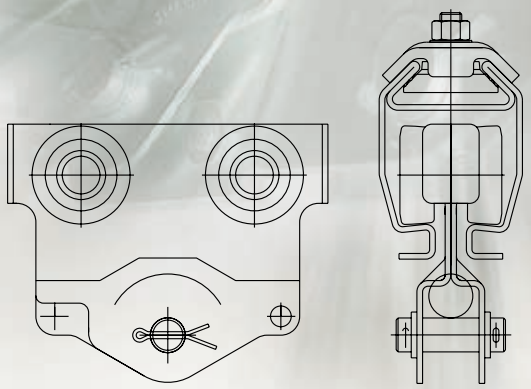
- lateral installation on wood or concrete beam

TROLLEYS – POWER, SPEED AND SILENT RUNNING ALL IN ONE.

- components designed in galvanized steel
- use is guaranteed for longitudinal and transverse movements
- load partition is ensured by 2 trolleys
- on the saddle of the double crane bridge: 4 trolleys in use
- drive: manual or electrical

2 trolleys with traverse

Rolling apparatus



Trolley

4 trolleys with saddle

Electrical drive

Your benefits:

- silent running is maximised thanks to plastic guide rollers
- ideal for awkward and critical loads
- easily converted from manual to electrical operation
- gentle start-up and braking thanks to the frequency inverter

ELECTRICS UNDER CONTROL.

Types of power supply

- 3 phase, 380/400V 50Hz
- or to your operating electrical supply

GISKB power supplies complete

- cable carriage, traction limit, connector, C-rail stop …
- … and about 30 other components

4 types of longitudinal and transverse power supply:

- trailing cable
- C-rail
- conventional conductor line
- conductor line inside profile

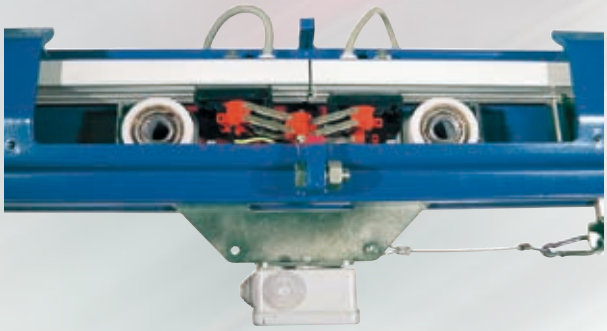
Trailing cable

C-rail

Conventional conductor line

The elegant solution: GISKB II ST internal conductor line

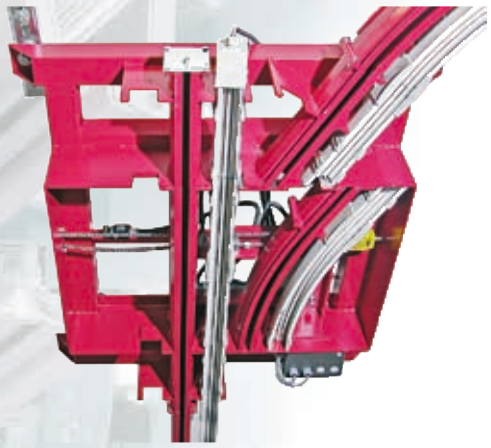
- flexible, universal
- attractive design
- for universal use
- load: 25A with max.100 m profile length
- trolley design as for GISKB I (up to 800 kg)



FOR THE MOST DIRECT LINE: BENDS AND SWITCHES.

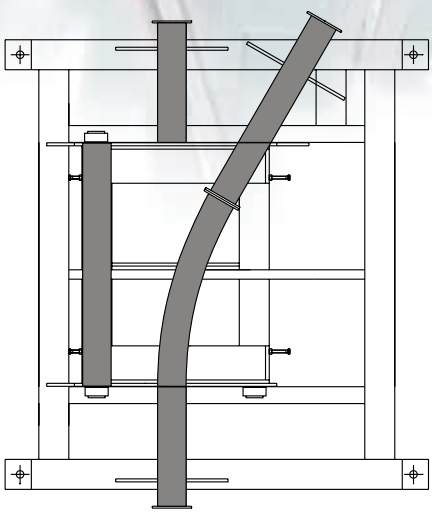
Bends

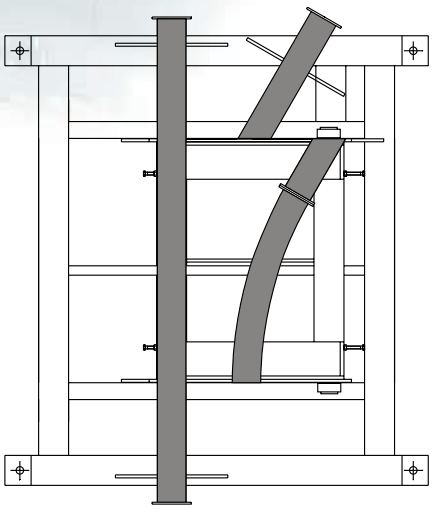
- can be supplied with angles of 30° and 45°
- radius: 1m
- end plate at both ends
- suspension at 2 points
- conductor line bends can be obtained with same angles as profile bends



Slide switches/turntables

- profiles are moved manually or electrically
- manual: with traction cable
- electrical: with 2-button control switch
- option: supplied with conductor lines





NOW IT'S UP TO YOU: THE FAST TRACK TO GIS KNOW-HOW.

Crane system GIS*KB*

☐ Single crane bridge ☐ Double crane bridge ☐ Suspended track

Load capacity _____ kg

Length of the girder L _____ mm Length of the track B _____ mm

Span W _____ mm Height of the room _____ mm

Required lifting height _____ mm Sketch (see separate page)

Suspension

Kind of suspension ☐ pendulating short ☐ pendulating from rod _____ mm ☐ rigid

Ceiling construction ☐ concrete ceiling ☐ steel girder _____ ☐ wooden truss _____

Suspension distance ☐ variable ☐ given _____ mm

Travelling motions

Movement of the trolley ☐ push type ☐ electrical type

☐ 1 speed ☐ 2 speeds ☐ _____ m/min.

Movement of the bridge ☐ push type ☐ electrical type

☐ 1 speed ☐ 2 speeds ☐ _____ m/min.

Hoist

☐ GIS Electric chain hoist ☐ Hand lifting gear ☐ _____

Type _____ Lifting capacity _____ kg

Lifting speed ☐ 1 speed ☐ 2 speeds ☐ _____ m/min.

Lifting height (standard 3 m) _____ m Operating time per day _____ hours

Electricity

Control ☐ Operation from control switch of hoist

☐ Ideal control (control switch is movable independently)

Voltage ☐ 3 Ph. 380/400 V 50 Hz ☐ 1 Ph. 220/230 V 50 Hz ☐ _____ V _____ Hz

Longitudinal power supply ☐ without ☐ trailing cable ☐ C-rail

☐ contact line ☐ _____

Transversal power supply ☐ without ☐ trailing cable ☐ C-rail

☐ contact line ☐ _____

Fax request for GIS*KB* crane system

Copy and fax to +41 (0)41 984 11 44. The GIS specialist will contact you shortly!

Sender/stamp:

We wish ☐ **short offer** ☐ **budget price**

Your technical consultant will contact us immediately.

Contact: _____

Phone: _____

Email: _____

Date: _____

Lifting technology
Crane technology
Vacuum lifting technology

FAITH IN TECHNOLOGY.
FAITH IN GIS.

GIS customer expectations
Check of requirements
Situation analysis
Standard specifications
Objectives

+

GIS concept
Goods handling concept
Advice on solutions
Concept
Budgeting/offer

+

GIS implementation
Implementation
Planning
Delivery
Commissioning/
installation

=

Productive solutions
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Zertifiziert nach ISO 9001

Änderungen vorbehalten. 9400.9601.1

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