



# H&S

## LIFTING SOLUTIONS LTD

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Telescopic bridge beam



Swinging Jib



Lightweight Cranes



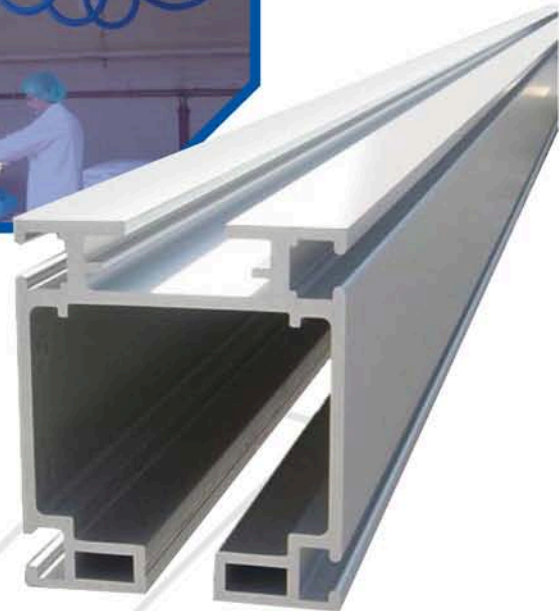
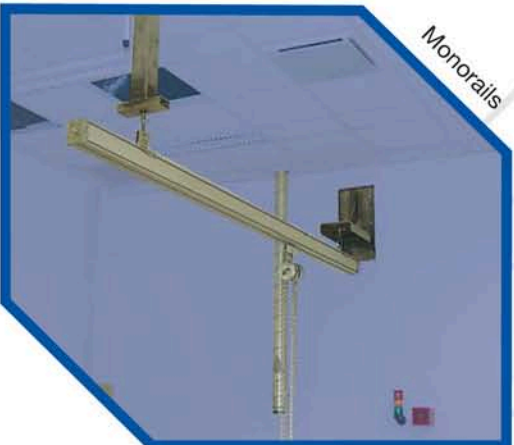
Low Headroom



Monorails



Stainless Steel Cranes



# modular lightweight crane systems



## H&S

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[www.handslifting.co.uk](http://www.handslifting.co.uk)

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## OVERVIEW

Are you looking for lightweight, modular assembled, low friction, ergonomically and user friendly over head crane system or swing arm assembly?

Then look no further than H & S Lifting Solutions Ltd for the latest designs in overhead crane systems. With over 20 years experience within the materials handling industry. We recognised the need for a more flexible overhead crane system that offers greater benefits than conventional steel crane systems.

- Lightweight
- Modular design
- Low friction
- User friendly
- Easy assembly and installation

Our Aluminium Crane systems offer flexibility for various application and Industries

- Low headroom applications
- Spark resistant/Atex
- Telescopic bridge beams
- Crane support steelwork
- Engineered solutions
- Stainless Steel options

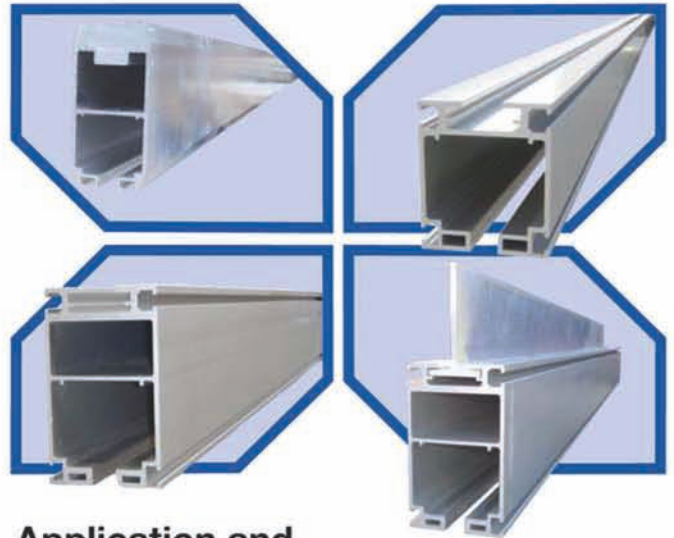
• **FREE** no obligation quotations

• **Design • Manufacture**

• **Installation • Service Support**

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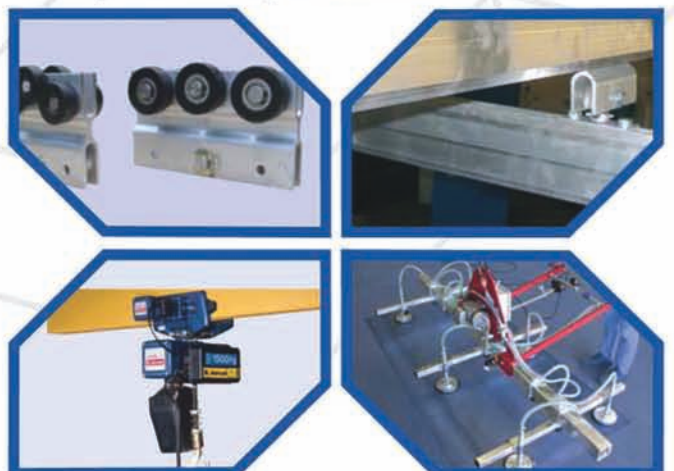
### Aluminium Products.



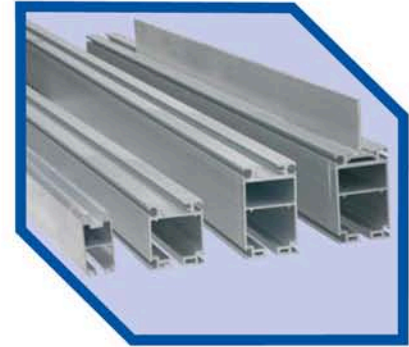
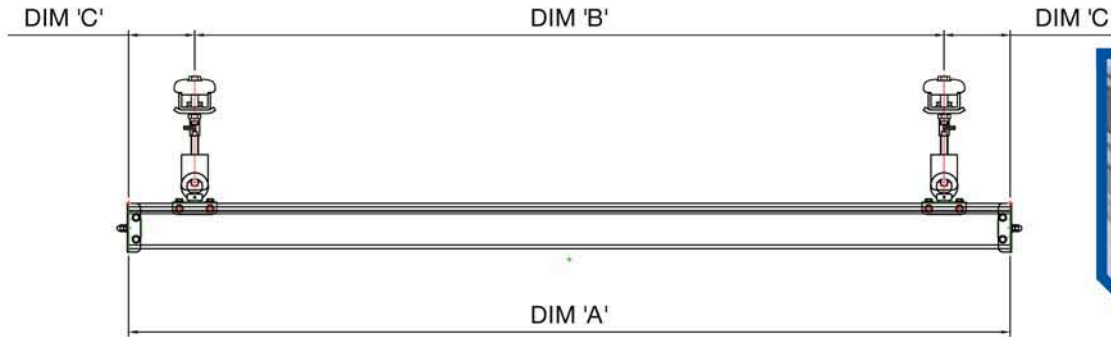
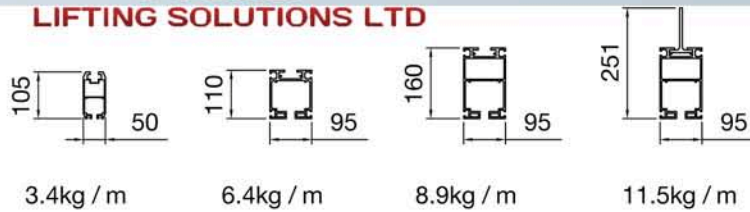
### Application and Support Structures.



### Components and Complimentary Products.



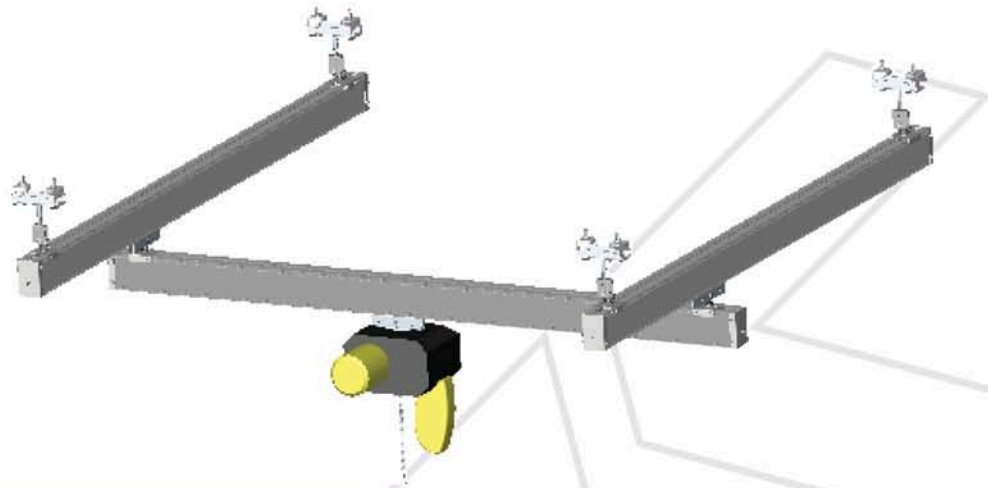
# ALUMINIUM GLIDE RAIL



## Capacity Guide

	<b>Monorail</b>		<b>Capacities (kgs) at B (mm)</b>							
	A max	Cmax	1m	2m	3m	4m	5m	6m	7m	8m
AGR1	6m(19.8')	300mm(11.81")	125(275lb)	125(275lb)	100(220lb)	80(176lb)	40(88lb)	25(55lb)		
AGR2	6m(19.8')	300mm(11.81")	250(550lb)	250(550lb)	200(440lb)	150(330lb)	125(275lb)	80(176lb)		
AGR3	8m(26.4')	500mm(19.68")	500(1100lb)	500(1100lb)	500(1100lb)	400(880lb)	350(770lb)	300(660lb)	225(495lb)	150(330lb)
AGR4	8m(26.4')	500mm(19.68")	500(1100lb)	500(1100lb)	500(1100lb)	500(1100lb)	425(935lb)	350(770lb)	300(660lb)	250(550lb)

# SINGLE GIRDER CRANE



## Capacity guide only (product combination available)

	A	B	C	D	E	Example 'H' Cranes(kgs)
AGR1	4m(13.2')	300(11.81")	4m(13.2')	300(11.81")	300(11.81")	SWL=65kg (143lb)
AGR1	6m(19.8')	300(11.81")	3m(9.9')	300(11.81")	300(11.81")	SWL=25kg (55lb)
AGR2	6m(19.8')	300(11.81")	5m(16.5')	300(11.81")	300(11.81")	SWL=75kg (165lb)
AGR2	5m(16.5')	300(11.81")	4m(13.2')	300(11.81")	300(11.81")	SWL=125kg(275lb)
AGR3	8m(26.4')	500(19.68")	6m(19.8')	500(19.68")	500(19.68")	SWL=125kg(275lb)
AGR3	7m(23.1')	500(19.68")	5m(16.5')	500(19.68")	500(19.68")	SWL=160kg(352lb)
AGR3	6m(19.8')	500(19.68")	4m(13.2')	500(19.68")	500(19.68")	SWL=250kg(550lb)
AGR4	8m(26.4')	500(19.68")	7m(23.1')	500(19.68")	500(19.68")	SWL=250kg(550lb)
AGR4	6m(19.8')	500(19.68")	4m(13.2')	500(19.68")	500(19.68")	SWL=400kg(880lb)
AGR4	7m(23.1')	500(19.68")	3m(9.9')	500(19.68")	500(19.68")	SWL=315kg(693lb)





## SITE APPLICATIONS

Standard overhead lightweight crane systems support from vertical floor mounted columns.



Standard large overhead crane systems support from cantilevered support structure to maximise floor space and allow forklift truck accessibility.



### Low Headroom Solutions

In cases of low headroom environments we have the solution to provide raised bridge beam brackets to maximise lifting heights.

### Telescopic Bridge Beam Solutions

Telescopic bridge beam allowing loads to telescope outside the H frame structure when loading CNC machines for example.



## Bespoke Solutions...



Ceiling mounted monorail with electric hoist.



Monorail manufactured from non-ferrous materials suitable for laboratory environment.



Ceiling mounted articulated arm manufactured from stainless steel.



Aluminium swing jib handling machine tooling for maintenance purposes.



Stainless steel swing jib and support column. Ideal for washdown environments within the pharmaceutical and food industry.





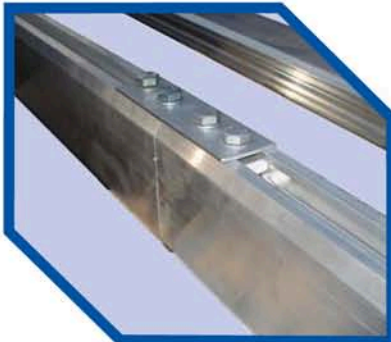
# ALUMINIUM CRANE COMPONENTS

All AGR Load and bridge beam trolleys come with the following features:

- 6 Wheel Anti-Kick up trolleys as standard
- Acetal co polymer wheels for durability
- Low friction sealed bearings to prevent contamination
- Optional support holes for additional safety cables if required
- Spark resistant trolleys available

AGR splice kits come complete with clamp plates that attach the outer plates to the actual profile giving added strength and reliability.

AGR 1  
Joint kit assemblies.



AGR 2, 3 and 4  
Joints kit assemblies.



Crane Hanger assemblies.

AGR Rail has several suspension methods, the standard AGR hanger assembly is shown above. The hangers are adjustable to suit most universal beams, I sections, ceiling or other types of supporting steelwork. Optional hanger assemblies as illustrated on page 7.



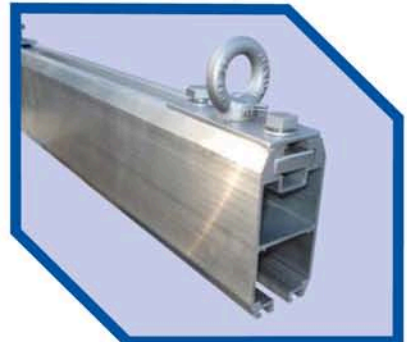
Spark resistant load trolley



Standard load trolley



End stops with Buffers. All AGR End stops come complete with rubber buffer stops.



Crane Eyes.

AGR Crane eyes come complete with internal profile clamp with securing pins and wire cable to ensure safety. The cranes eyes also include as standard an additional hole for safety cables if required. The main eye bolt has a 360° rotation to maximise flexibility.



Plastic cable/ hose trolley for supporting electrical cable or vacuum transfer hose



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## COMPLIMENTARY PRODUCTS

Vacuum sheet steel lifting



90° rotation vacuum handling granite work surfaces.

Lightweight Stainless Steel Electric Lift Trolley

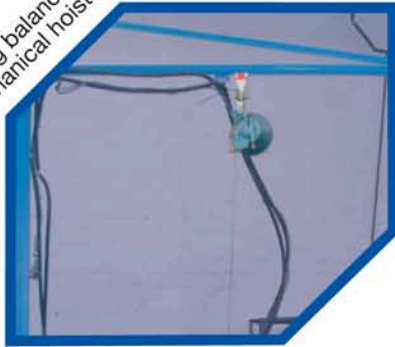


Vacuum Tube lifting suitable for sacks, worktops, drums boxes and many other products.

Electric Hoist



Spring balancers mechanical hoists



Lightweight aluminium Electric Lift Trolley



Air Hoist



## INDUSTRIES SERVICED

- Food
- Pharmaceutical
- Aerospace
- Print
- Woodworking
- Automotive
- Electronics
- Rubber
- Chemical
- Engineering
- Packaging
- Construction

*and many more...*

• FREE no obligation quotations • Design • Manufacture • Installation • Service Support



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