

CraneKit

Crane components for loads up to 80 t



- **High efficiency**

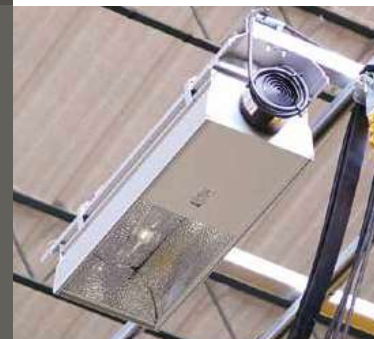
One-Stop-Shopping principle: All components from one source

- **Shorter assembly times**

Pre-designed, pre-assembled and pre-wired components with screw and plug connection (plug and socket)

- **Numerous variations**

A well planned standard component basis, depending on the usage with electric chain or electric wire rope hoist, crane calculation support via CraneMaster software



Crane light for bridge



Ready to use hoist power supply



Bridge panel with plugs

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End carriage with travelling machinery

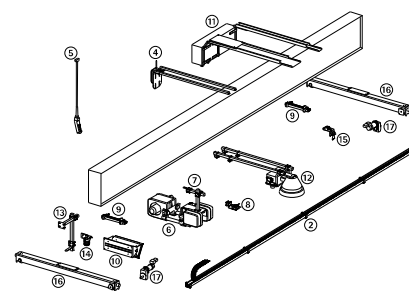
Advantage: a complete crane in an "All round-Carefree-Package", Power – out of the box

- Plug-in adapters and couplings for all components
- Completely wired, standard and custom made electrical components
- State of the art hoisting and travelling frequency inverters as standard for less wear and tear
- Numerous options available like tandem use, anti-collision device, rain covers, radio remote control, hoist monitoring, digital load display, etc.
- Modular crane kits assembled according to your specifications
- Continuous quality control from the first drawing to the final package
- Project support with crane configuration software CraneMaster

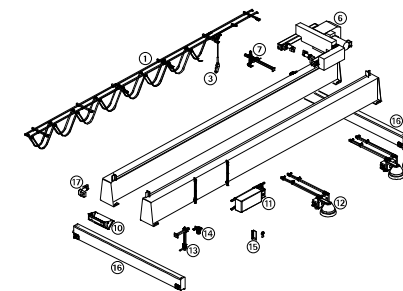
Standard content can include:

- 1 Hoist power supply with flat cable
- 2 Hoist power supply with energy chain
- 3 Control pendant with EMERGENCY-STOP
- 4 Radio remote control including transmitter and receiver
- 5 Backup pendant
- 6 Electric hoist
- 7 Hoist power supply towing arm
- 8 Trolley and crane travelling limit switches
- 9 Trolley end stop assembly

- 10 LED load display
- 11 Bridge panel
- 12 Crane lights for bridge
- 13 Crane power supply towing arm
- 14 Flashing light
- 15 Horn
- 16 End carriages
- 17 Crane travelling machineries



Single girder bridge crane with energy chain and radio remote control



Double girder bridge crane with flat cable and control pendant

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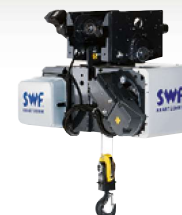
Component packages for single and double girder overhead travelling bridge cranes as well as underslung and gantry cranes



CHAINster N
with motor travel trolley
up to 5,000 kg



NOVA L
Single girder trolley,
low headroom, up to 12,5 t



NOVA N
Single girder trolley,
normal headroom, up to 40 t



NOVA M
Double girder trolley,
up to 80 t

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Innovations. Always one step ahead.

SWF components also stand out due to their continuous further development. New technologies and technical implementations can primarily be evident in the SWF crane kits:

- Frequency inverters for lifting/lowering and travelling
- Synchronisation when lifting/lowering
- Tandem function through crane communication
- Electronic load swing damping
- New end carriage and bridge panels
- Power supply and control via an energy chain
- New radio remote controlled system
- Standard temperature monitoring and 2-step travel limit switch

CraneMaster – Sophisticated crane configuration software.

CraneMaster will improve the competitiveness of your crane, monorail system and crane components at the projecting stage. Optimised processing and reliable information flow allows CraneMaster to produce exact Microsoft compatible technical solutions at the best possible price, whether it be an offer, order confirmation, technical data sheet or technical layout drawing. CraneMaster can provide this information within a matter of minutes. The vast, constantly updated component data bank, comprising of electric wire rope hoists, chain hoists, end carriages, travelling machineries, electric components, frequency inverters and radio control systems will always give the optimum solution.

Electric chain hoist CHAINster up to 5,000 kg

- Compact headroom
- Robust industrial design
- 2 lifting speeds (4/1), optionally with frequency inverter for step less hoisting
- Upper and lower hoisting limit switch
- Drive operation with frequency inverter
- Mechanical overload protection
- Explosion proof version as an option
- Versions for the food industry as an option



Electric wire rope hoist NOVA up to 80 t

- Compact design and optimum approach dimensions
- Minimum hook movement
- Lifting heights up to more than 100 m
- 2-speed hoisting motors (6/1), optionally with frequency inverter for step less hoisting
- 4-step hoisting limit switch with slow-down function and phase mismatch protection
- Travelling machineries with frequency inverter, 2-speed or variable
- Optional with hoist monitoring system NovaMaster and lifting inverter HoistMaster, also for synchronized use
- Explosion proof version as an option



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Crane types



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Single girder underslung travelling crane



Double girder underslung travelling crane



Single girder overhead travelling bridge crane



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Double girder overhead travelling bridge crane



Wall console crane



Pillar jib crane



Gantry crane



Semi gantry crane

Crane types

End carriages

Overhead crane end carriages for loads of up to 250 t

Underslung crane end carriages for loads of up to 20 t



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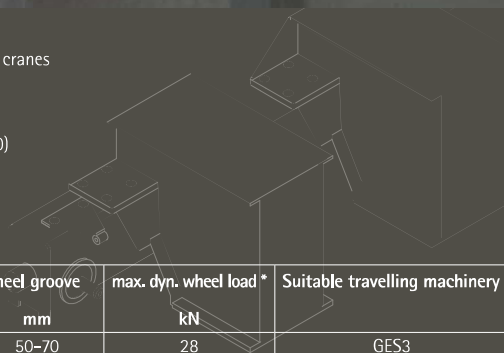
End carriages for single girder overhead travelling bridge cranes

End carriages for double girder overhead travelling bridge cranes

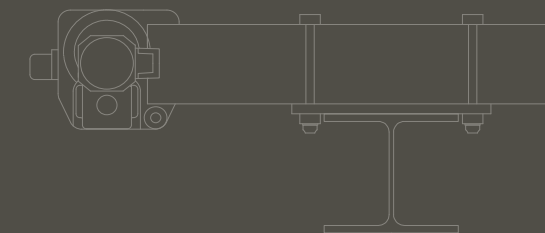
End carriages for single girder underslung travelling cranes

End carriages for underslung cranes with standard connection and painting as an option

- Primer coating, for single and double girder overhead cranes
- For new cranes and modernisations
- Various connection possibilities
- Running wheels in grey cast iron EN-GJS-700 (GGG70)
- Two and four wheel versions (Bogie)
- Anti-drop devices, storm protection, lateral guide rollers and rail guards all optional



- Primer coating, for single and double girder underslung cranes
- For new systems and modernisations
- Various connection possibilities
- Running wheels in grey cast iron EN-GJS-700 (GGG70)
- With anti-drop device
- Lateral guide rollers and rail brushes all optional



Wheel diameter mm	Type		Wheel groove mm	max. dyn. wheel load * kN	Suitable travelling machinery
90	ESN09	Side connection	50-70	28	GES3
	ETN09	Top connection	50-70	28	GES3
110	ESN11	Side connection	52-87	46	GES3
	ETN11	Top connection	52-87	46	GES3
140	ESN14	Side connection	54-84	55	GES3
	ETN14	Top connection	54-84	55	GES3
160	ESN16	Side connection	54-84	69	GES3
	ETN16	Top connection	54-84	69	GES3
200	ETN20	Top connection	54-94	120	GES3 / GES4
250	ETN25	Top connection	54-84	185	GES4 / GES5
320	ETN32	Top connection	64-94	225	GES4 / GES5
400	ETN40	Top connection	55-120	350	GES5
500	EH50	Heavy duty	100-150	463	QM6 / QM7
630	EH63	Heavy duty	100-190	600	QM6 / QM7
710	EH71	Heavy duty	150-190	835	QM10
800	EH80	Heavy duty	150-190	941	QM10

* Wheel loads in accordance with FEM 2m (M5) for 40 m/min

Subject to change without prior notice. You will find further technical information in our manuals and dimensional drawings.

Wheel diameter mm	Type		Flange width		max. dyn. corner load * kN	Suitable travelling machinery
			min. mm	max. mm		
80	DU08	Standard	73	313	25	GEK2
110	DU10	Standard	82	332	46	GEK2
	DR10	Low headroom	82	322	46	GEK2
130	DU13	Standard	100	343	80,5	GEK2
	DR13	Low headroom	100	343	80,5	GEK2
200	DU20	Standard	127	418	143,8	GES3

* Corner loads (wheel pair) in accordance with FEM 2m (M5) for 40 m/min

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