

Crane kits for single girder cranes

MISIA provides solutions for new and existing cranes.

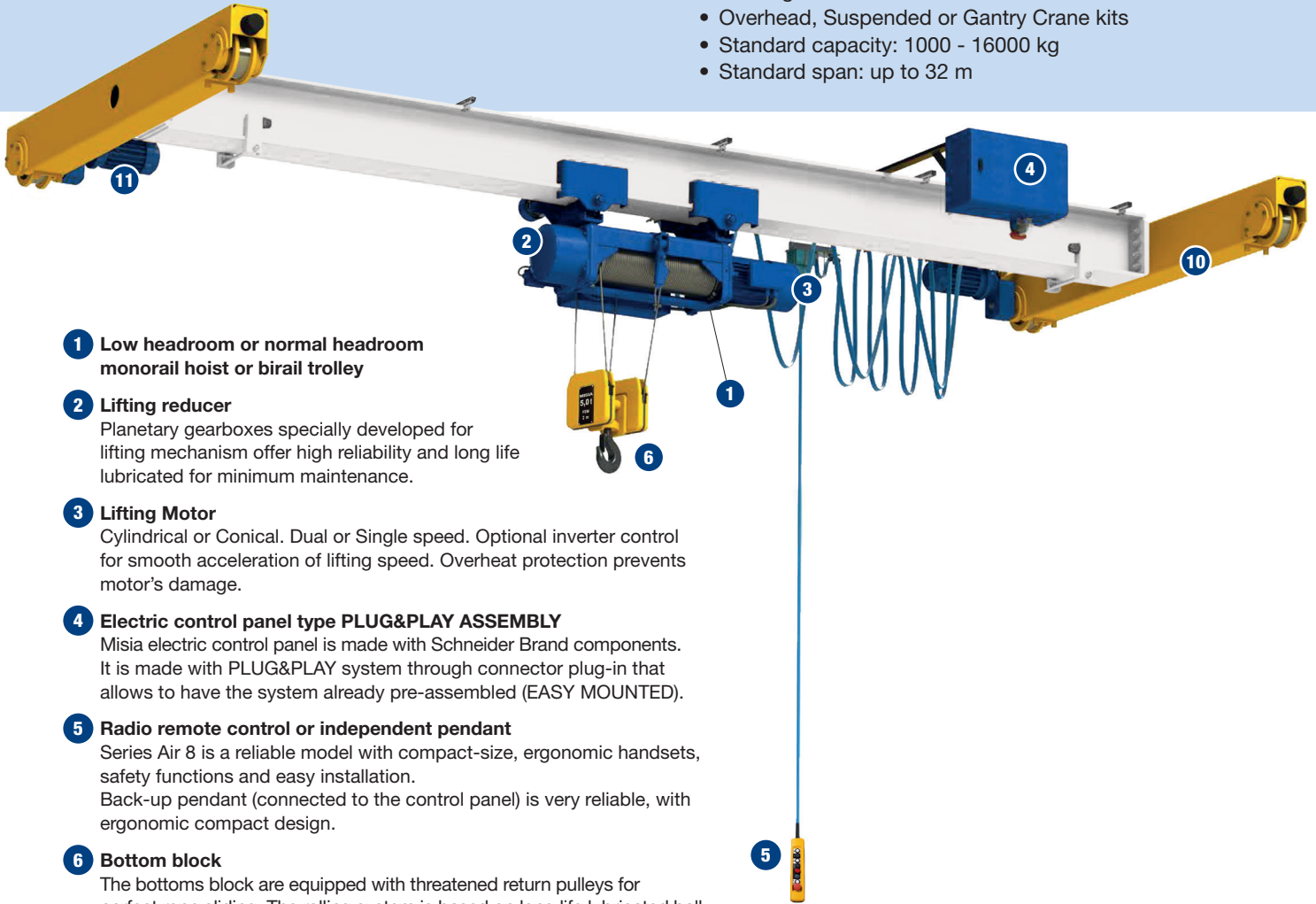


Components can be individually engineered to suit different requirements. All our products and components are designed, engineered and manufactured in Europe, in compliance with the European standards (CE mark). MISIA components follow latest innovations in the field of crane building using 35-years experience and know-how of worldwide partners.

Single Girder Cranes

Compact construction allowing maximum utilization of room height:

- Overhead, Suspended or Gantry Crane kits
- Standard capacity: 1000 - 16000 kg
- Standard span: up to 32 m



1 Low headroom or normal headroom monorail hoist or birail trolley

2 Lifting reducer

Planetary gearboxes specially developed for lifting mechanism offer high reliability and long life lubricated for minimum maintenance.

3 Lifting Motor

Cylindrical or Conical. Dual or Single speed. Optional inverter control for smooth acceleration of lifting speed. Overheat protection prevents motor's damage.

4 Electric control panel type PLUG&PLAY ASSEMBLY

Misia electric control panel is made with Schneider Brand components. It is made with PLUG&PLAY system through connector plug-in that allows to have the system already pre-assembled (EASY MOUNTED).

5 Radio remote control or independent pendant

Series Air 8 is a reliable model with compact-size, ergonomic handsets, safety functions and easy installation. Back-up pendant (connected to the control panel) is very reliable, with ergonomic compact design.

6 Bottom block

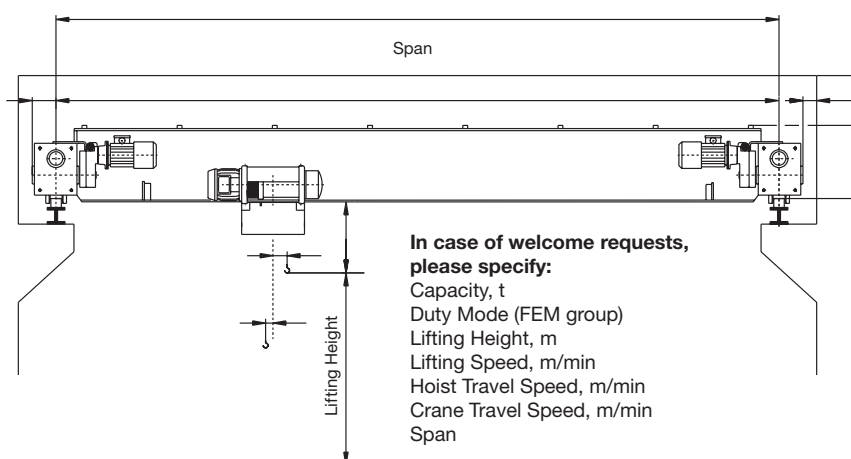
The bottoms block are equipped with threatened return pulleys for perfect rope sliding. The rolling system is based on long life lubricated ball bearings. The hook type DIN 15401 (single hook) or 15402 (double hook) is made of high resistance pressed steel, it has always a safety catch.

Standard MISIA Crane Kits:

- Hoist unit including trolley mechanism and electrical control panel
- End-carriages with plates, buffers and travel drives
- Crane Control Panel
- Control (RRC or pendant)
- Festoon system - preassembled type plug-in
- Accessories (lights, towing arms, panel holders, brackets, etc)
- All electric system will be delivered just pre-assembled with plug-in connectors
- Bus-bar Conductor Systems

Optional Devices for MISIA Crane Kit:

- Inverter control for lifting
- Anti-collision devices
- Load LED display
- Horn
- Drawings for main girder fabrication



Overhead crane end carriages
Underslung end carriages
Geared motors

OVERHEAD CRANE
SG - Single girder end carriages

Dimensions single girder end carriages

Type	Max wheel load	Max span of crane	Wheel diameter	Wheel groove (G)	Wheelbase	L1	L	LP	LF	Plate thicknesses (t)	H	ht	E	B	Weight		
SG	kg	m	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg		
SG1612	3.800	9,38	160	60	1250	215	1640	380	280	20	290	180	95	113	350		
SG1616	3.800	12,00		60	1600		2030					400					
SG1620	3.800	15,00		70	2000		2430					460					
SG1625	3.800	18,00		70	2500		2930					533					
SG1630	3.800	22,50		70	3000		3430					627					
SG1635	3.800	26,00		70	3500		3930					679					
SG1640	3.800	30,00		70	4000		4430					480			380	180	752
SG2012	5200	9,00	200	70	1250	245	1740	380	280	20	340	220	135	138	633		
SG2016	5200	12,00		70	1600		2090					698					
SG2020	5200	15,00		70	2000		2490					772					
SG2025	5200	18,00		70	2500		2990					865					
SG2030	5200	22,50		70	3000		3490					985					
SG2035	5200	26,00		70	3500		4030					1050					
SG2040	5200	30,00		70	4000		4530					480			380	220	1143
SG2512	8400	9,00	250	70	1250	280	1770	380	280	20	440	280	135	141	1134		
SG2516	8400	12,00		70	1600		2120					1213					
SG2520	8400	15,00		70	2000		2560					1302					
SG2525	8400	18,00		70	2500		3060					1414					
SG2530	8400	22,50		70	3000		3560					1560					
SG2535	8400	26,00		70	3500		3990					146			1638		
SG2540	8400	30,00		70	4000		4530					480			380	25	280
SG3116	12.940	12,00	315	80	1600	235	2170	380	280	25	480	280	170	171	949		
SG3120	12.940	15,00		80	2000		2570					1083					
SG3125	12.940	18,00		80	2500		3110					1250					
SG3130	12.940	22,50		80	3000		3610					1467					
SG3135	12.940	26,00		80	3500		4040					480			380	280	1584
SG3140	12.940	30,00		80	4000		4570					480			380	280	1751

