

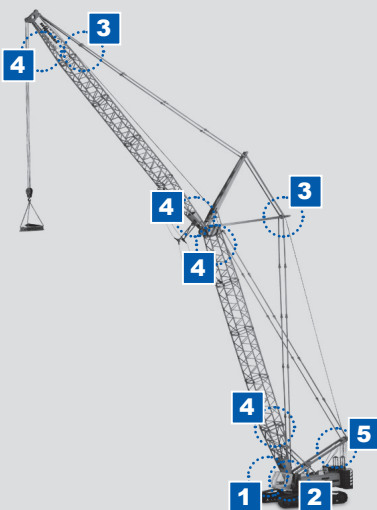
Lattice boom crane

➤ Luffing jib, force measurement in the anchoring

➤ Requirements

- Load moment indication
- Single movement cut-offs via digital outputs
- Processing of analog and digital inputs
- Force measurement via load cells in the anchoring
- Angle measurement
- Customer-specific graphical operation mode selection
- EN 13000 event recorder
- Main boom
- Luffing jib
- Self installation with boom (A-bock)
- Upgrade program for luffing jib
- Main boom and luffing jib also available with quick-action stroke roller

➤ Product solution



Hardware	
Controllers	1 iFLEX 5
Consoles	2 iSCOUT expert
Sensors	3 2 x fSENS F73x1 in the anchoring of the main boom
	3 2 x fSENS F73x1 in the anchoring of the luffing jib
	3 fSENS F73x1 in the anchoring of the jib
	4 gSENS WGC one each to MB-bottom and MB-top
	4 One each of gSENS WGC to luffing jib bottom and luffing jib top
5 pSENS DAVS	
Software	
Load moment indication	LMI application
	Graphical console application
	EN 13000 Eventrecorder
	User limits



Features

- Menu-driven set-up state pre-selection or direct code entry
- LMI operational display with real crane configuration
- Output of status information and flexible, user-friendly service screens in 9 selectable languages
- User limits with deactivation of dangerous movements for radius, height, angle, slew angle
- Full integration of set-up and bridging devices according to EN 13000:2010
- Support of the FEM light according to EN 13000:2010
- Additional surveillance of load via direct load measurement on the jib in main boom operation mode
- Interpolation of safe working load via main boom angle in luffing jib operation mode
- Surveillance of the difference angle when setting up the luffing jib

Overview

		Sennebogen 7700	Sennebogen 620 ...	Linkbelt
Regulations	EU	W	W	
	USA	W	W	W
	Russia	W	W	
Requirements Load Moment Indication	Load moment indication	W	W	W
	Single Movement Release / cut-off	W	W	
	General cut-off			W
	Digital Inputs	W	W	W
	Digital Outputs	W	W	W
	Angle sensing at boom bottom	W	W	W
	Angle sensing at boom top	W		
	Load sensing in boom pendant	W	W	[W]
	Load sensing in derricking system	W	W	[W]
	Load sensing in hoist rope (direct)			W
Load sensing in luffing cylinder				
Requirements Console	Customized fully graphical OM selection (guided menu)			W
	Customized OM Configuration list / Numerical OM selection	W		
	Graphical OM Info screen			W
	Numerical OM selection (OM Code)		W	
	Real crane pictures	W		
Schematic crane pictures		W	W	
Standard functions	Virtual walls			W
	User limits (radius, angle, height, slew angle)	W	W	W
	Telescopic control			
	Sensor adjustment via console (protected)			W
	Status information by symbols	W	W	W
	Status information with additional text	W		
	Extended error messages (multi levels)			
	Servicereads (multi level with text)	W		
Servicereads (tables or graphics)		W		
Special features	Monitoring load on runner in main boom OM	W	W	
	Interpolation of rated loads by main boom angle in luffing jib OM	W		W
	Superlift			
	Monitoring of inclination for ship mounting		W	
	Visualization of inclination by bubble level			
	Free fall function for hoist		W	
	Load on main boom with jib mounted			W
	Communication to crane controller			
	Visualization of status information from crane controller			
	Visualization of motor data (J1939)			
	Outrigger monitoring, display, automatic load chart selection			
	Camera input			
	Reduction of crane movement speed	W	W	
	Context-sensitive on screen information			
	Load spectrum counter, lift counter			
Operating hours counter				
On screen configuration for available hoist and OM				

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