

The SHA wire rope hoist

10.2015



NEW!

With adaptive speed range (ASR)

Partner of Experts

STAHL
CraneSystems



The SHA wire rope hoist

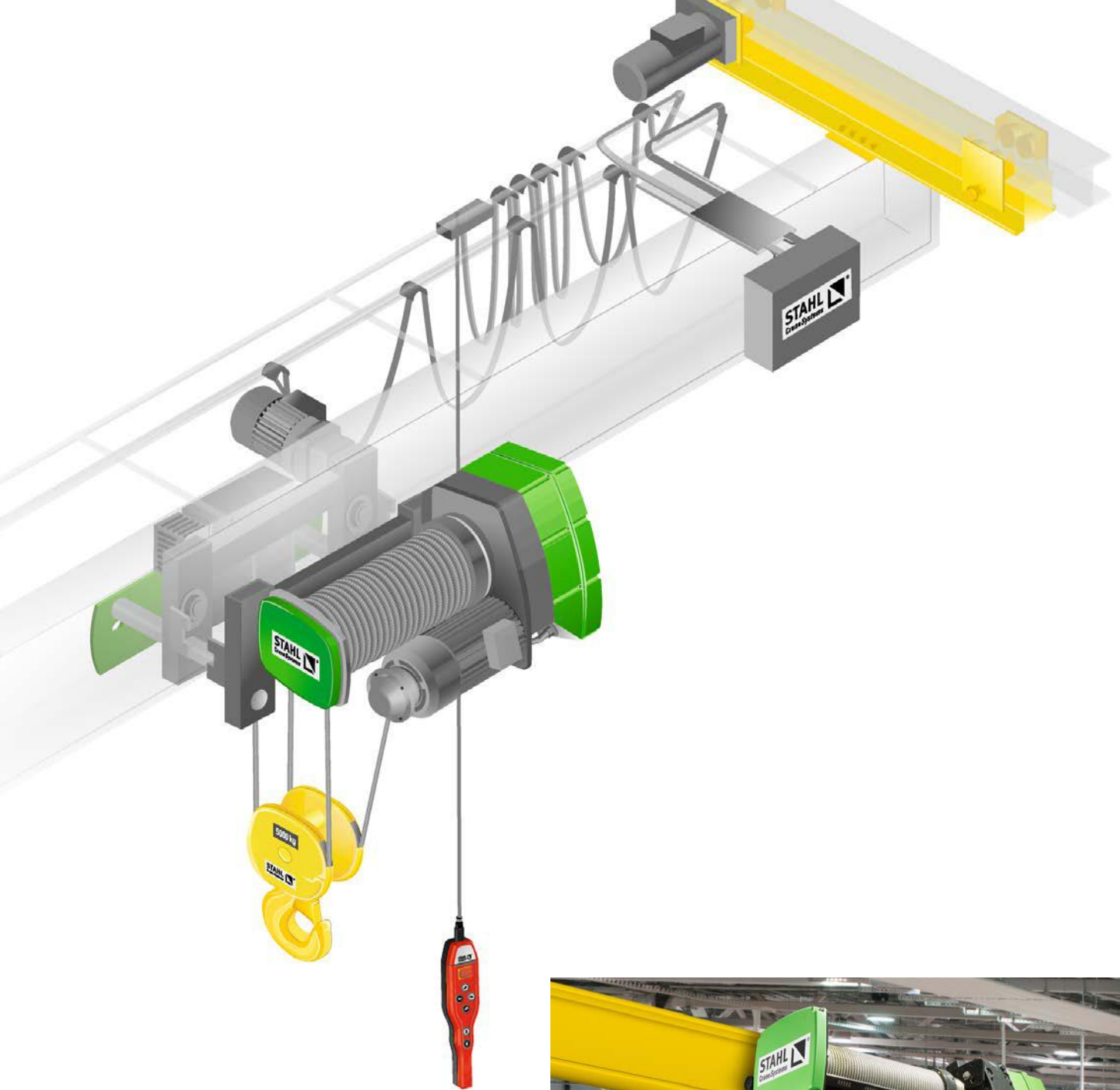
The SHA wire rope hoist programme with its innovative, flexible motor concept is the cost-effective solution for light industrial cranes. Constructed on the basis of the field-proven, low-maintenance components of the SH wire rope hoist in conjunction with state of the art functions, it is available in six load capacity variants for the S.W.L. range from 3,200 kg to 10,000 kg.

Our engineers, working as a team of experienced, practically orientated specialists, have developed a new generation of lifting inverters that make it easier to take the first steps into frequency-controlled crane technology. STAHL CraneSystems' SHA wire rope hoist features the ASR adaptive speed range, in addition to steplessly variable hoisting speeds. This up-to-date technology enables the hoisting speed to be adapted automatically to the load currently on the hook. Without load or with loads up to 10 % of maximum load, the SHA wire rope hoist can lift at three times nominal speed. The smooth, adaptively controlled travel motions reduce wear on the crane system, extend its service life and avoid current spikes. The ASR technology also reduces energy consumption and permits smaller dimensioned power supply systems.

Users, crane and systems builders appreciate this innovative concept and utilise it in applications where low loads are lifted frequently and the full capacity is only rarely required.

The facts

- 6 load capacity variants for the S.W.L. range from 3,200 kg to 10,000 kg.
 - Innovative, frequency-controlled motor concept, based on the SH wire rope hoist programme
 - Steplessly variable hoisting and travel speeds
 - ASR adaptive speed range
 - Smooth starting and braking characteristics
 - Increased productivity, reduced energy consumption, greater operating convenience
 - Reduced stress on the crane system, lower maintenance costs
 - Longer service life for the whole crane system
- ➔ Please order our brochure "The SH wire rope hoist"

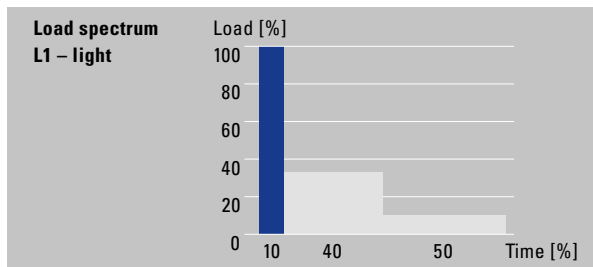


The SHA wire rope hoist is the cost-effective solution for light industrial cranes and low load capacities.

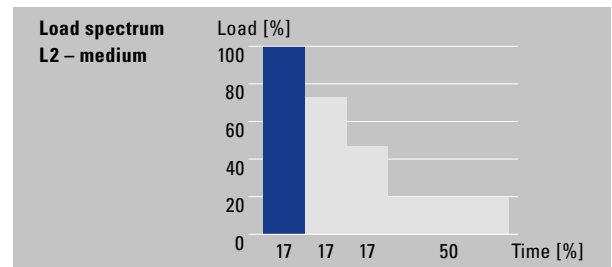
Recommendations for different applications

Our recommendation: the SHA wire rope hoist with adaptive speed range (ASR)

Our suggestions are intended to help you select a wire rope hoist optimally adapted to your requirements and your budget. The frequency-controlled SHA wire rope hoist with its smooth starting and braking characteristics, steplessly variable speed control and ASR adaptive speed range has been designed for light industrial cranes in a restricted range of six load capacity variants. It is versatile in use and stands out for its excellent price-performance ratio.



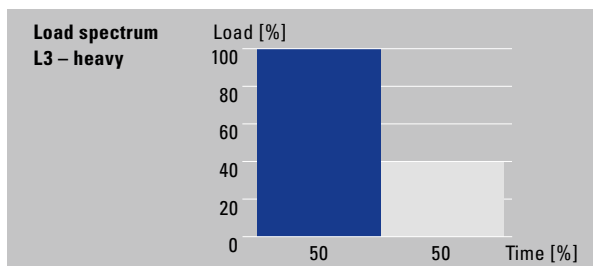
The maximum load capacity of your crane system is only rarely utilised; however, low loads are transported regularly. This is usually the case in small or medium-sized assembly shops or workshops where small light crane systems are operated. We recommend the SHA wire rope hoist for this area of application.



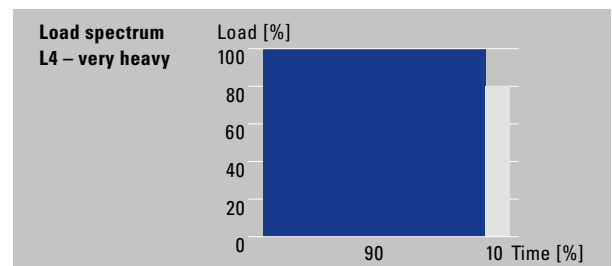
Your crane system occasionally transports maximum loads. However, the main area of application falls in the medium capacity range. The area of application is similar to load spectrum L1, however with higher loads. Here too we recommend the SHA wire rope hoist.

Our recommendation: the SHF wire rope hoist with extended speed range (ESR)

The frequency-controlled SHF wire rope hoist is designed for heavy-duty industrial cranes in five frame sizes and 26 load capacity variants, and with higher nominal speeds. In addition to stepless speed control and smooth starting and braking characteristics, the high-performance SHF wire rope hoist features the ESR extended speed range. This technology enables higher hoisting speeds to be achieved at low loads than are specified for maximum load.



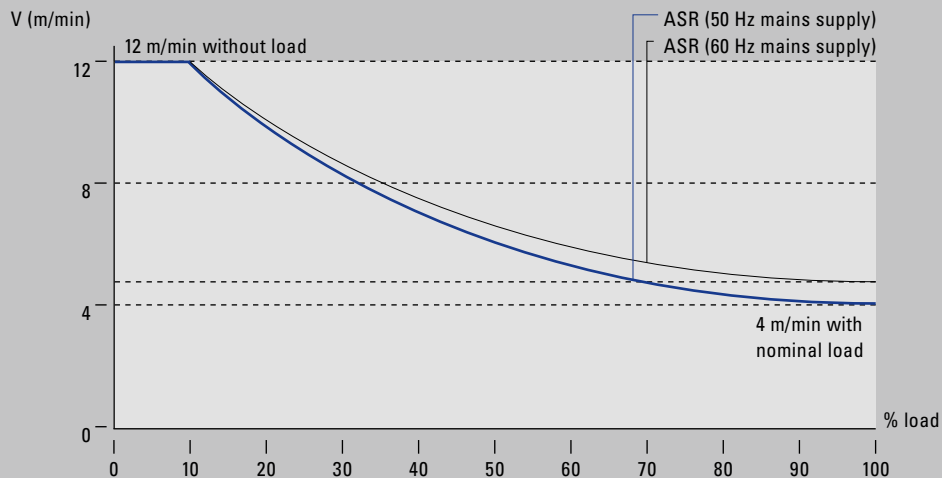
Your crane system operates with the maximum permitted load for up to 50 % of the time. Sling equipment is occasionally added for lifting and travelling operations. Power generating plants, the oil and gas industries or the steel and concrete industries with their heavy-duty industrial cranes are classic areas of application. We recommend the SHF wire rope hoist for these applications.



As a rule, your crane system, designed for the top S.W.L. range, is utilised 100 % and constantly transports the maximum permissible load, frequently with added sling equipment. These heavy-duty industrial cranes are also to be found in power generating plants, in the oil and gas industries or in the steel and concrete industries. We recommend the SHF wire rope hoist for these applications.



Functioning of ASR on the example of: SHA 5016-16 4/1



S.W.L. up to [t]	Type 50 Hz	Output [kW]	Hoisting speed [m/min]	ASR max. [m/min]	Short head- room KE	Double rail crab OE
3.2	SHA 4008-16 4/1	2.25	0.16...4	12	■	■
4	SHA 4010-12 4/1	2.25	0.12...3	9	■	■
5	SHA 4012-10 4/1	2.25	0.1...2.5	7.5	■	■
6.3	SHA 5016-16 4/1	4.5	0.16...4	12	■	■
8	SHA 5020-12 4/1	4.5	0.12...3	9	■	■
10	SHA 5025-10 4/1	4.5	0.1...2.5	7.5	■	■

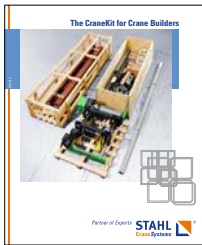
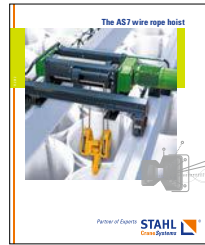
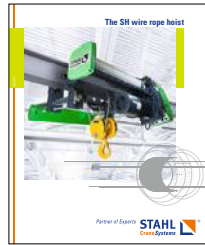
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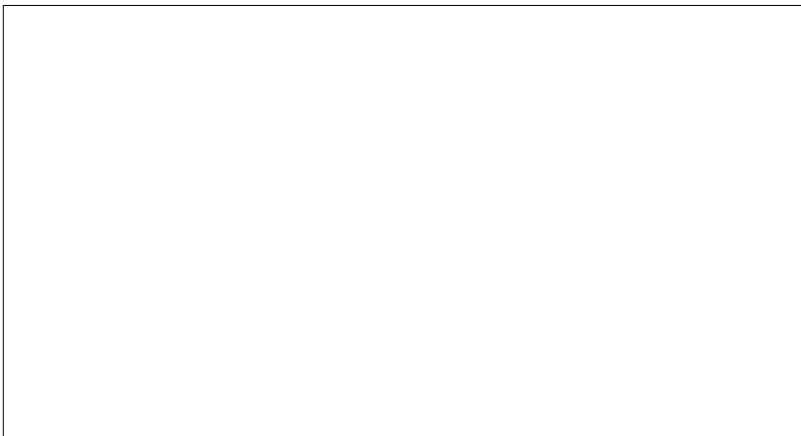
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