STAHL CRANESYSTEMS
ELECTRIC LIFTING AND CRANE TECHNOLOGY

As a global market leader in explosion protection, we offer a seamless portfolio of electrical lifting and crane technology for zone 1, zone 2, zone 21 and zone 22 as well as engineering solutions. Experience and know-how from decades of in-house basic research and development guarantee safety and quality down to the last detail.
All explosion-protected products are based on tried-and-tested standard components from our own production and comply with the latest ATEX and IECEx regulations.

CHAIN HOISTS ST EX

The ST Ex chain hoists are specifically built for use in zone 1 or zone 21, but can also be designed for use in zone 22. The mechanical design is type-tested. The ST Ex series is available in 13 load capacity ranges, from 125 kg to 6,300 kg. The ST Ex chain hoist is stationary and used with suspension hooks or eyelets, rigid mounting and with roller or electric undercarriage and is particularly suitable for heavy industrial use. Short height options are available for each type of chain hoist and optimize the usable hook height. In addition to the standard designs, additional special designs and custom solutions are also available.

CABLE HOISTS SH EX, AS 7 EX, AS 7 SW EX AND WINCHES SHW EX

The SH Ex and AS 7 Ex cable hoists as well as the SHW Ex winch are designed for use in zone 1 or zone 21, but can also be designed for use in zone 2 or zone 22. They have a modular design. For a load capacity range of 500 kg to 32,000 kg, the SH Ex series is available in five sizes with 26 load capacity variants. The higher load capacity range of up to 125,000 kg is covered by the established types AS 7 Ex and AS 7 Ex ZW. The SHW Ex winch series is available by request for heavy duty applications up to 250,000 kg.

The cable hoists have a compact and robust design that is largely low-maintenance. They are extremely reliable, extremely powerful and exceptionally durable. LNG lifting equipment has been specially designed for maintenance work on LNG tanks and their modular design principle allows them to be adapted to different customer requirements. The explosion-proof cable hoists meet all requirements for the storage and transport of liquid hydrogen. The version designed for gas group IIC satisfies all prescribed guidelines.

CRANE COMPONENTS AND ELECTRICS

The function and power of a crane system depends on the quality of all of its components. The entire product portfolio is available in explosion-proof versions. Explosion-proof crane, driving and control technology, housing and electrical systems complement each other and offer both safety and economic efficiency.

EX ENGINEERING SOLUTIONS

For each customer, experts from our engineering department develop solutions according to individual instructions, specifications, quality standards and country-specific regulations. With extensive know-how, international certifications and customer-specific documentation, we are able to carry out methodical engineering solutions economically, effectively and with consistently high quality.

EXPLOSION PROTECTION PORTFOLIO

- ATEX or IECEx based design with certified quality
- Country-specific certifications available
- Comprehensive product portfolio for zone 1, zone 2, zone 21 and zone 22
- Chain hoist series ST Ex for load capacities up to 6,300 kg
- Cable hoist series SH Ex and AS 7 Ex for load capacities up to 125,000 kg
- Heavy duty application range up to 250,000 kg available with SHW Ex winch upon request
- All lifting and crane technology as well as standard program equipment available in an explosion-proof version

For further information or inquiries, please contact us at:
STAHL CraneSystems GmbH
Daimlerstraße 6 | 74653 Künzelsau, Germany
Telephone: +49 7940 128-0
E-mail: info.scs@stahlcranes.com

Type	Ex label according to ATEX/IECEx				NEC/CEC
	Areas at risk of gas explosion		Areas at risk of dust explosion		–
	Zone 1	Zone 2	Zone 21	Zone 22	Class I, Div 2
ST Ex 125 – 6,300 kg	II 2 G Ex db eb IIB T4 Gb II 2 G Ex db eb IIC T4 Gb II 2 G Ex h IIB T4 Gb II 2 G Ex h IIC T4 Gb	–	II 2 D Ex tb IIIC T120°C Db II 2 D Ex h IIIC T120°C Db	II 3 D Ex tc IIIC T120°C Dc II 3 D Ex h IIIC T120°C Dc	Class I, Zone 1, AEx db eb IIC T4 Gb Class I, Division 2, Groups A, B, C, D, T4
SH Ex 500 – 32,000 kg	II 2 G Ex db eb IIB T4 Gb II 2 G Ex db eb IIC T4 Gb II 2 G Ex h IIB T4 Gb II 2 G Ex h IIC T4 Gb	II 3 G Ex db eb ec IIB T3 (T4) Gc II 3 G Ex db eb ec IIC T3 (T4) Gc Ex h IIB T4 Gb Ex h IIC T4 Gb II 3 G Ex h IIB T3 (T4) Gc II 3 G Ex h IIC T3 (T4) Gc	II 2 D Ex tb IIIC T120°C Db II 2 D Ex h IIIC T120°C Db	II 3 D Ex tc IIIC T120°C Dc Ex h IIIC T120°C Db II 3 D Ex h IIIC T120°C Dc	Class I, Zone 1, AEx db eb IIC T4 Gb Class I, Division 2, Groups A, B, C, D, T4
AS 7 Ex 32,000 – 125,000 kg	II 2 G Ex db eb IIB T4 Gb II 2 G Ex db eb IIC T4 Gb II 2 G Ex h IIB T4 Gb II 2 G Ex h IIC T4 Gb	II 3 G Ex db eb ec IIB T3 (T4) Gc II 3 G Ex db eb ec IIC T3 (T4) Gc Ex h IIB T4 Gb Ex h IIC T4 Gb II 3 G Ex h IIB T3 (T4) Gc II 3 G Ex h IIC T3 (T4) Gc	II 2 D Ex tb IIIC T120°C Db II 2 D Ex h IIIC T120°C Db	II 3 D Ex tc IIIC T120°C Dc Ex h IIIC T120°C Db II 3 D Ex h IIIC T120°C Dc	Class I, Zone 1, AEx db eb IIC T4 Gb Class I, Division 2, Groups A, B, C, D, T4
SHW Ex 32,000 – 250,000 kg	II 2 G Ex db eb IIB T4 Gb II 2 G Ex db eb IIC T4 Gb II 2 G Ex h IIB T4 Gb II 2 G Ex h IIC T4 Gb	Ex db eb ec IIB T3 (T4) Gc Ex db eb ec IIC T3 (T4) Gc II 3 G Ex h IIB T3 (T4) Gc II 3 G Ex h IIC T3 (T4) Gc	II 2 D Ex tb IIIC T120°C Db II 2 D Ex h IIIC T120°C Db	II 3 D Ex tc IIIC T120°C Dc II 3 D Ex h IIIC T120°C Dc	–