

R. STAHL competence: Explosion protection for Zone 1 and Zone 2 in accordance with ATEX

R. STAHL has a worldwide reputation as explosion protection specialist. This is also attested to by the SH wire rope hoist programme. The explosion-protected SH types have approvals for use in Zone 1. In addition however a programme of explosion-protected cranes, wire rope hoists and crane components specially optimised for Zone 2 is available. It meets the relevant regulations with reduced technical complexity and corresponding cost advantages.

As technological leader, R. STAHL sets its sights particularly high and meets the new ATEX regulations on mechanical explosion protection. R. STAHL is the first manufacturer to implement the ATEX 100a directive 94/9 in its production programme.

R. STAHL always offers explosion-protected products from a single supplier. The fact that all components of a hoist or crane are of our own manufacture – from motor and brake up to control and switchgear – guarantees optimum explosion protection. In this respect, R. STAHL Fördertechnik GmbH utilises the synergy effect from the equally specialised and comprehensive know-how of the "Explosion Protection" Division of R. STAHL Technology Group.



Zone 1



Zone 2



Application	Category	Protection against	Explosion protection class	Designed in acc. with
Zone 1	II 2 G	Gas	EEx de IIB T4 or EEx de IIC T4	DIN/EN and ATEX, PTB
Zone 2	II 3 G	Gas	EEx n de A IIB T3	DIN/EN and ATEX
Zone 22	II 3 D	Dust	EEx II 3D 120 C	DIN/EN and ATEX
US explosion protection		Gas	Class I, Div. 2, Group C-D, T3	UL