

# The new ST chain hoist programme



**A world innovation!**

- › Minimal space required thanks to extremely compact headroom
- › Two speeds supplied as standard make for precision and flexibility
- › Long service life in accordance with FEM
- › Low-wear brake and slipping clutch make the hoists particularly maintenance-friendly and economical
- › R. STAHL chain hoists stand out for their excellent price/performance ratio





# Extremely safe and powerful

## The new ST Ex chain hoist

R. STAHL, market leader for explosion-protected hoist and crane technology, presents the world's first and only complete Ex chain hoist programme in accordance with ATEX specifically for Zone 1 and Zone 2. The new ST chain hoist programme, ranking among the most outstanding and comprehensive product series at international level, provides the foundation. All components come from a single supplier and from our own production.



- Low headroom ensures that the hook path can be utilised to the full
- Standard height of lift 3m
- Two hoisting speeds as standard
- Two travel speeds as standard on electric trolleys
- Powerful, robust hoist motor with consistent running performance and long operating times

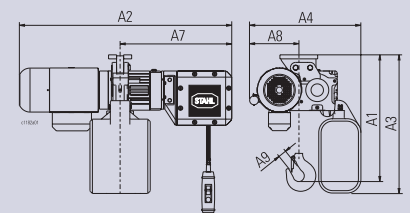
- Newly developed, ergonomic SWH 5 Ex 2-step control pendant
- The patented safety slipping clutch provides protection against overload and limits the hoisting path
- Single-fall chains (up to 2500 kg) and high-performance motors permit great heights of lift
- Asbestos-free long-life brake
- Hard-wearing, surface-hardened and galvanised load chain
- Every electric chain hoist is tested with at least 25% overload

S.W.L.	kg	500	1,000	2,000	2,500	5,000
Lift speed (50 Hz)	m/min	12/2	10/1.6	5/0.8	4/0.7	2/0.3
Lift speed (60 Hz)	m/min	15/2.4	12/2	6/1	5/0.8	2.5/0.4
Chain falls		1	1	2	1	2
Type		ST 2005-12/2ex	ST 2010-10/1.6ex	ST 2010-10/1.6ex	ST 5025-4/1ex	ST 5025-4/1ex
Output (50 Hz)	kW	1.2/0.17	2.0/0.24	2.0/0.24	2.0/0.24	2.0/0.24
Duty cycle (50 Hz)	% DC	40/20	40/20	40/20	40/20	40/20
<b>Dimensions</b>						
Chain hoist with hook suspension	A1	404	404	483	511	622
	A2	1022	1022	1022	1057	1057
	A3	526	526	526	589	589
	A4	526	526	526	554	554
	A7	531	531	531	556	556
	A8	309	309	279	288	242
	A9	24	24	29	33	41
Chain hoist with trolley	B1	466	466	545	596	707
	B2	414	414	414	540	540
	B3	589	589	589	672	672
	B4	2	2	34	-4	42
	B5	118*	118*	118*	147	147
	B6	287**	287**	287**	429	429
	B7	66...300	66...300	66...300	82...300	82...300
<b>Weights</b>						
with rigid suspension		200	185	190	210	220
with electric trolley		245	220	230	260	270

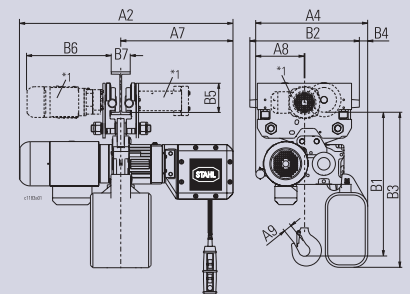
\* The travel motor is mounted on the opposite side

\*\* Only with electric trolley

Chain hoist with rigid suspension



Chain hoist with trolley



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