

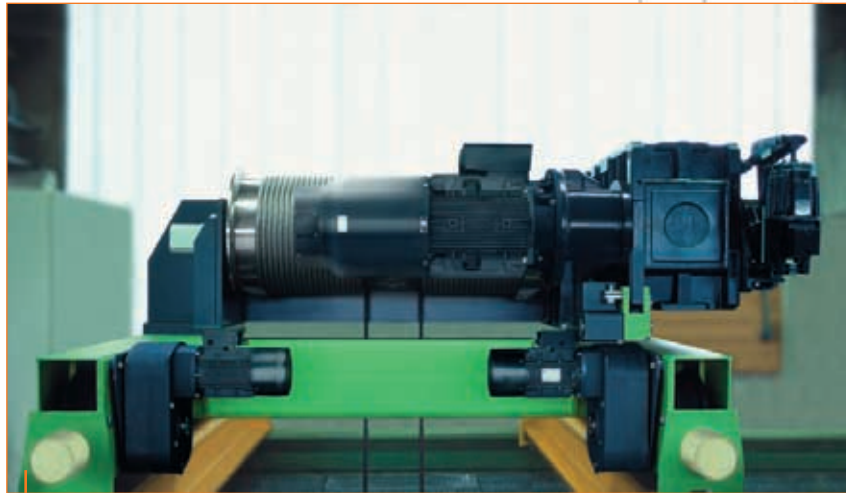
# The SHW 80 winch \_ modular, flexible, powerful



**Innovation!**



# You build the crane We build the hoist



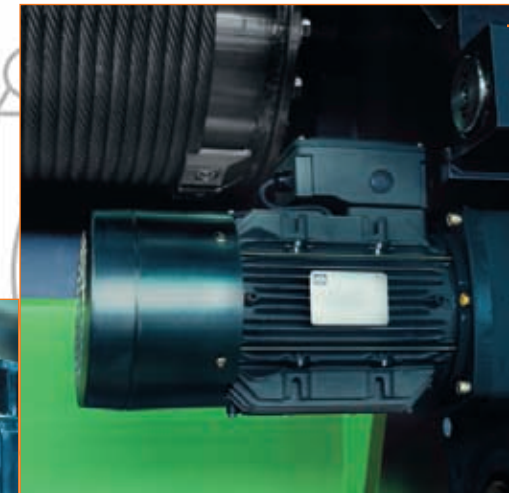
The powerful, compact SHW80 winch with S.W.L. up to 80 t with eight parts of rope (8/2 reeving) and lifting heights up to 28m.

## The new SHW80 winch

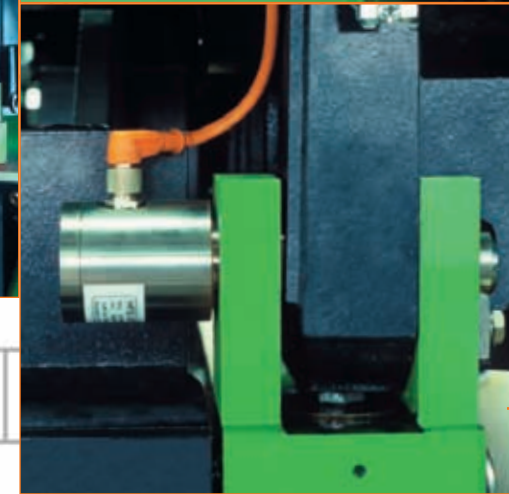
- Standard components are used, proven in thousands of applications
- Modular structure ensures maximum flexibility to fit your needs
- Versatile drive technology to meet demanding specifications
- Bolted supporting structure facilitates on-site assembly
- Innovative wire rope reeving results in compact overall headroom



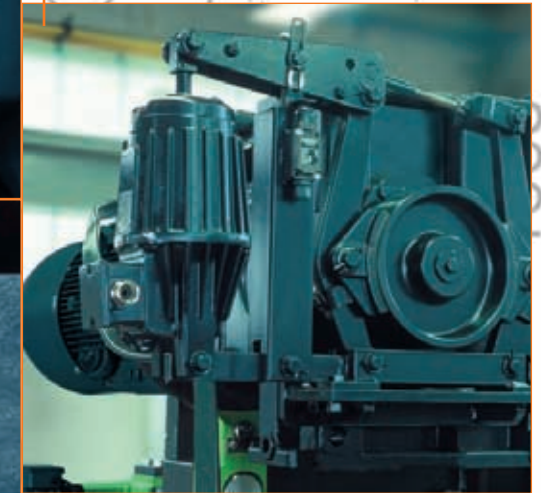
There is a full range of heavy duty hoist motors suitable for long lifts.



Smooth trolley travel with soft starting characteristic.




Shoe brake optional for motors up to 38 kW, standard on larger motors.



The tried-and-tested overload sensor in the gearbox continuously monitors the load suspended from the hook.

## Know-how

R.STAHL is among the leading hoist manufacturers in the world. The know-how acquired building quality machinery for more than 125 years ensures that the SHW80 winch is built with the most up to date technology in mind. The main components, derived from our standard product line, are designed for lifting capacities up to 160t. The modular concept will enable us to not only meet our customer's individual requirements, but also efficiently

produce a high quality winch. The SHW80 winch incorporates the worlds most modern, innovative designs resulting in a dependable, low maintenance, cost effective product. Like all our products, the SHW80 winch is also available  pllosion protected for hazardous environments.

## Partnership

Moving materials expeditiously lowers cost, which consequently builds success and growth for you, the crane builders. R.STAHL delivers more than just hoisting equipment. We are willing to share with you as partners our acquired knowledge and experience, so together we can find the most effective solution for the material handling needs of your customers. Our offers for the winch include an extensive engineering package, including complete electrical drawings and instructions, and to scale CAD drawings that can be integrated into your crane design drawings.

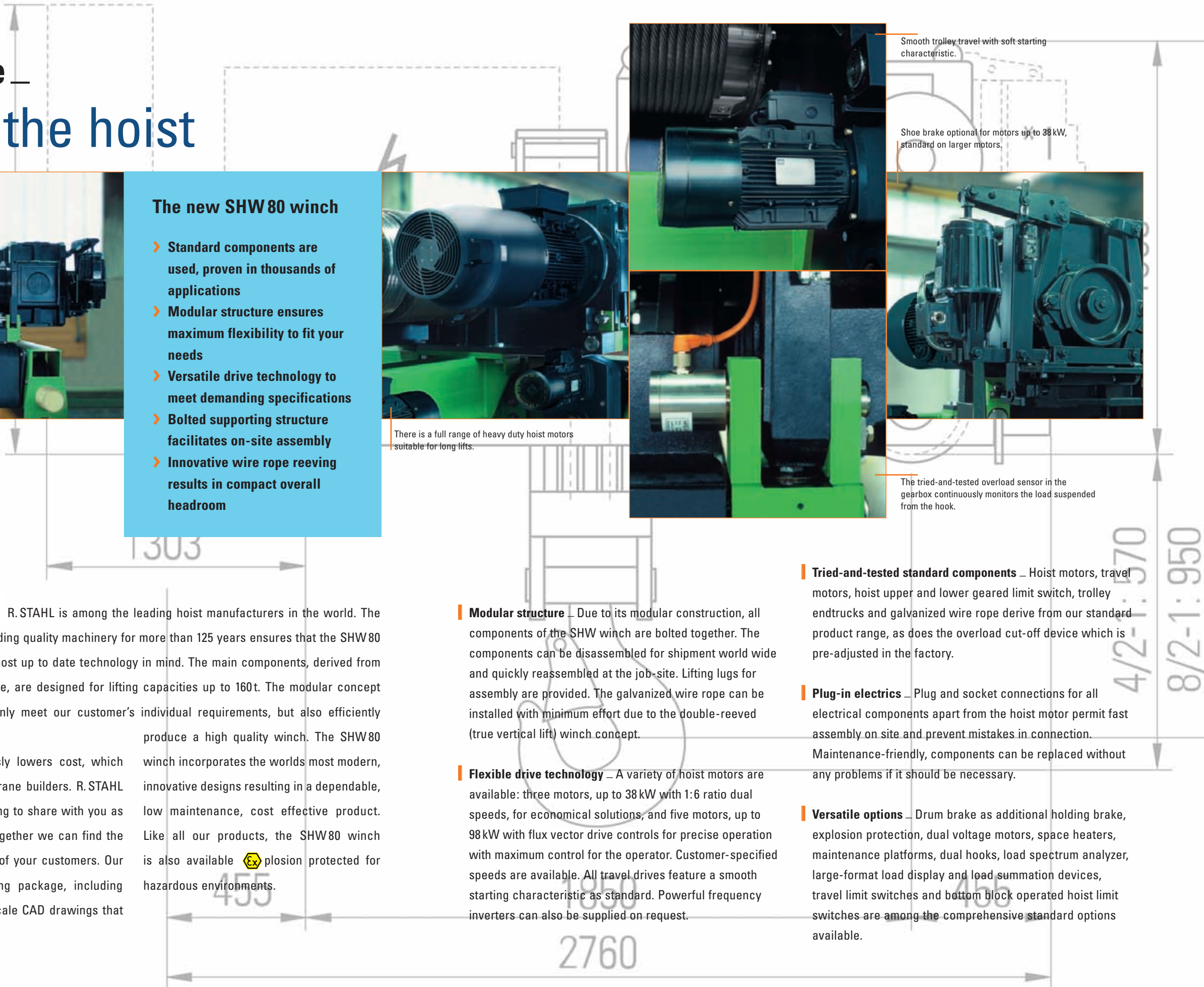
**Modular structure** – Due to its modular construction, all components of the SHW winch are bolted together. The components can be disassembled for shipment world wide and quickly reassembled at the job-site. Lifting lugs for assembly are provided. The galvanized wire rope can be installed with minimum effort due to the double-reeved (true vertical lift) winch concept.

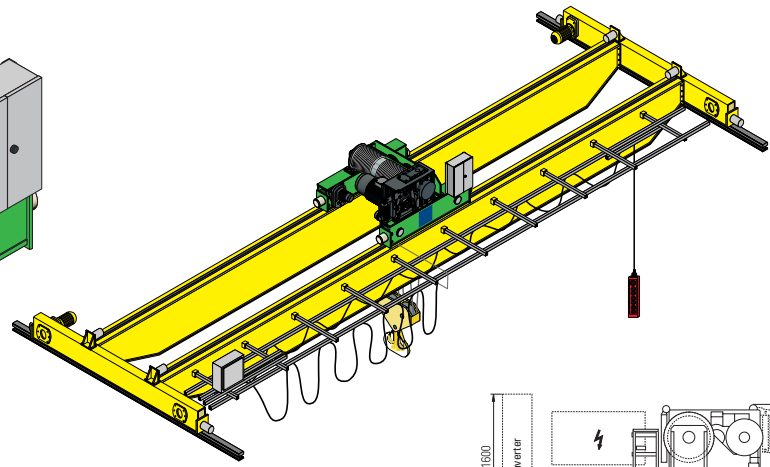
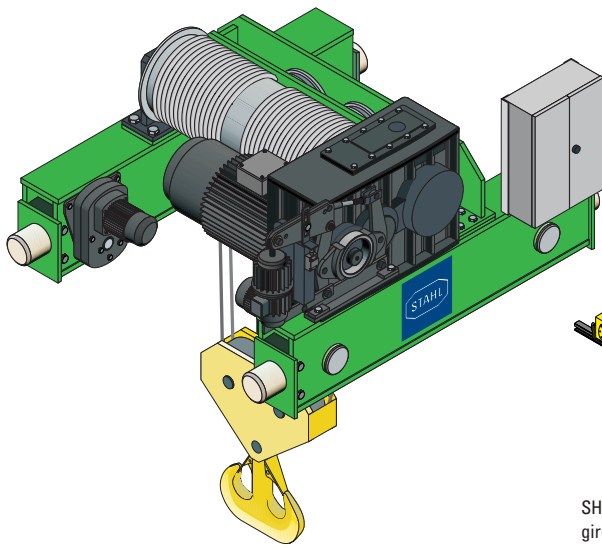
**Flexible drive technology** – A variety of hoist motors are available: three motors, up to 38 kW with 1:6 ratio dual speeds, for economical solutions, and five motors, up to 98 kW with flux vector drive controls for precise operation with maximum control for the operator. Customer-specified speeds are available. All travel drives feature a smooth starting characteristic as standard. Powerful frequency inverters can also be supplied on request.

**Tried-and-tested standard components** – Hoist motors, travel motors, hoist upper and lower geared limit switch, trolley endtrucks and galvanized wire rope derive from our standard product range, as does the overload cut-off device which is pre-adjusted in the factory.

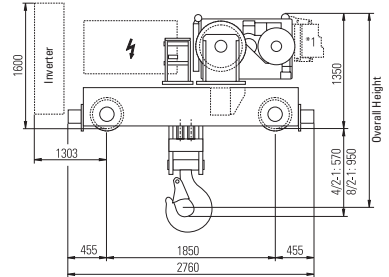
**Plug-in electrics** – Plug and socket connections for all electrical components apart from the hoist motor permit fast assembly on site and prevent mistakes in connection. Maintenance-friendly, components can be replaced without any problems if it should be necessary.

**Versatile options** – Drum brake as additional holding brake, explosion protection, dual voltage motors, space heaters, maintenance platforms, dual hooks, load spectrum analyzer, large-format load display and load summation devices, travel limit switches and bottom block operated hoist limit switches are among the comprehensive standard options available.

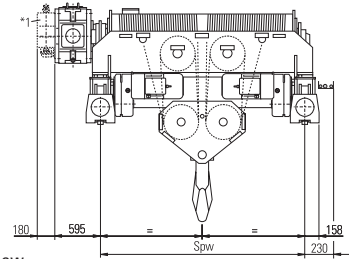




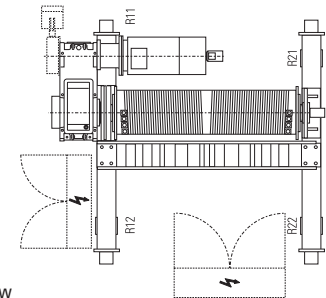
SHW80, installed on a double girder top running bridge crane



Side view



Front view



Top view

Main Features and Performance Characteristics

Capacity kg	Hoist Model	Max. Lifting Height [m]	Duty Class		Typical Lift Speeds		Hoist Motor [kW]	Overall Height [mm]	Rope Reeving	Rope Dia. [mm]
			FEM	ISO	Dual [m/min]	Variable [m/min]				
25000	SHW 8125	57.4	3m	M6	0.8/5.0	0.2-5.0	24	1920	4/2-1	22
					1.0/6.3	0.3-6.3	30			
					1.3/8.0	0.4-8.0	38			
					-	0.6-12.5	60			
					-	0.8-16.0	78			
32000	SHW 8160	57.4	2m	M5	0.6/4.0	0.2-3.2	24	1920	4/2-1	22
					0.8/5.0	0.2-5.0	30			
					1.0/6.3	0.3-6.3	38			
					-	0.5-10.0	60			
					-	0.6-12.5	78			
40000	SHW 8200	57.4	1Am	M4	0.5/3.2	0.1-3.2	24	1920	4/2-1	22
					0.6/4.0	0.2-4.0	30			
					0.8/5.0	0.2-5.0	38			
					-	0.4-8.0	60			
					-	0.5-10.0	78			
50000	SHW 8125	28.7	3m	M6	0.4/2.5	0.1-2.5	24	2300	8/2-1	22
					0.5/3.2	0.1-3.2	30			
					0.6/4.0	0.2-4.0	38			
					-	0.2-6.3	60			
					-	0.4-8.0	78			
63000	SHW 8160	28.7	2m	M5	0.3/2.0	0.1-2.0	24	2300	8/2-1	22
					0.4/2.5	0.1-2.5	30			
					0.5/3.2	0.1-3.2	38			
					-	0.2-5.0	60			
					-	0.3-6.3	78			
80000	SHW 8200	28.7	1Am	M4	0.2/1.6	0.1-1.6	24	2300	8/2-1	22
					0.3/2.0	0.1-2.0	30			
					0.4/2.5	0.1-2.5	38			
					-	0.2-4.0	60			
					-	0.2-5.0	78			
100000	SHW 8160	~30	1Am	M4	-	up to 0.2-5.0	98	12/2-1	20	
120000	SHW 8200	~30	1Am	M4	-	up to 0.2-4.0	98	12/2-1	22	
160000	SHW 8200	~30	1Bm	M3	-	up to 0.1-3.0	98	12/2-1	25	

Standard trolley gauges and available lifting heights

Capacity [kg]	Reeving	Drum Length	Lifting Height [m]	Std Gauge SPW [mm]	Hoist & Trolley Weight [kg]
25000-40000	4/2-1	L2	27.6	2240	5360
		L3	37.0	2800	5715
		L4	43.0	3150	5945
		L5	57.4	4000	6260
50000-80000	8/2-1	L2	13.8	2240	6370
		L3	18.5	2800	6725
		L4	21.5	3150	6955
		L5	28.7	4000	7270

Austria/Steyregg +43 732 641111-0 \_ Brazil/Embú +55 11 47810266 \_ China/Shanghai +86 21 6485-0011  
 France/Paris +33 1 39985060 \_ Great Britain/Birmingham +44 121 76764-00 \_ India/Chennai +91 44 476-6674  
 Italy/S. Colombano +39 185 358391-2 \_ Netherlands/EL Haarlem +31 23 51252-20 \_ Portugal/S. Domingos +351 21 44471-60  
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 United Arab Emirates/Dubai +971 4 883-5855 \_ USA/Charleston +1 843 767-1951

R. STAHL Fördertechnik GmbH, Daimlerstraße 6, 74653 Künzelsau, Germany

[www.stahl.de](http://www.stahl.de)

