

## Electric drive for onshore applications

**MHWirth rotary tables for conventional rigs are built to last with high quality fabrication and field-proven reliability. The compact and lightweight design conserves essential drillfloor space and simplifies portability.**

A rotary table with electric drive serves as drilling equipment, or as a backup system of the top drive, and supports the make and brake operations. MHWirth's rotary tables provide the power necessary to turn the drill string, and carry the weight of the drill string when making up a new connection.

To meet all project requirements, our rotary tables can either be driven by an electric motor (AC or DC), which is connected via a tooth coupling to the rotary drive gear. Alternatively, it can be connected to a two-speed gear box. Our standard delivery comes without drive train.

The rotary tables are built to rotate clockwise, or counter-clockwise, with variable speed and torque adjustments. They can be locked manually for non-rotation with the purpose of withholding torque. The rotary tables are suitable for installation of various power slips.

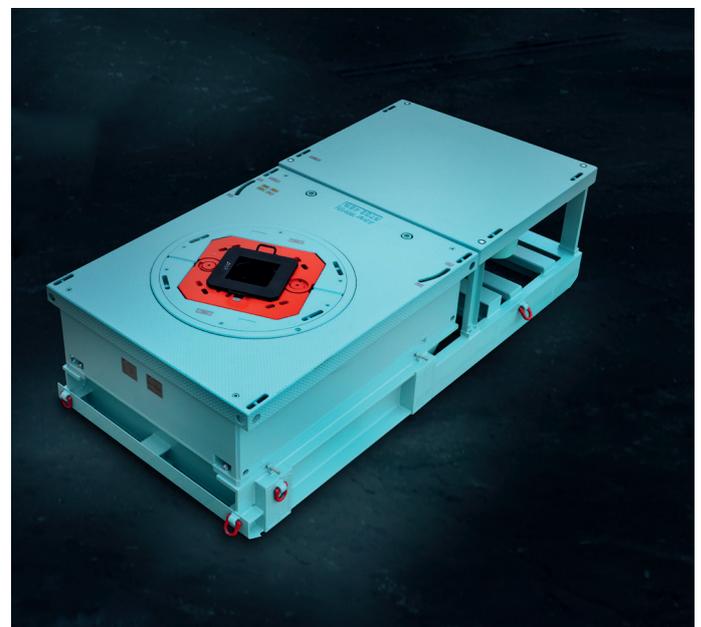
Our rotary tables with electric drive are available in sizes ranging from 27.5 in to 49.5 in and feature static load ratings up to 800 sh.tons (726 m.tons). They are compatible with other rotary tables in the market with an equivalent design with the added value of high quality. The rotary tables are accredited in accordance with API spec 7K.

Available Options:

- Electric motor configurations (AC or DC)
- Gearbox or two-speed and torque configurations or direct drive solution
- Additional pipe handling equipment, e.g. master bushings, insert bowls, power slips, adapters, split casing bushings, reducing bushings, lifting slings to flexibly handle drilling operations

## Benefits

- Various drive configurations and bare design
- Reduced total cost of ownership with high availability and short lead times on original equipment manufacturer (OEM) spare parts





## Technical Specifications

In addition to the typical variants in the table below, other drive configurations are available upon request.

	RTSS 27 ½ - E	RTSS 37 ½ - E		RTSS 49 ½ - E	
Static load capacity, max.	500 sh.tons (454 m.tons)	650 sh.tons (590 m.tons)		800 sh.tons (726 m.tons)	
Opening size	27.5 in (699 mm)	37.5 in (953 mm)		49.5 in (1257 mm)	
Drive train configuration	Bare unit	Direct drive	Two-speed gear box	Direct drive	
Speed, max.	400 rpm	332 rpm	First gear: 187 rpm Second gear: 340 rpm	300 rpm	
Torque, max.	34 665 lbf-ft (47 kNm)	25 077 lbf-ft (34 kNm)	First gear: 41 303 lbf-ft (56 kNm) Second gear: 22 864 lbf-ft (31 kNm)	28 027 lbf-ft (38 kNm)	
Dimensions	Length	94 in (2 370 mm)	162 in (4 130 mm)	209 in (5 310 mm)	184 in (4 680 mm)
	Width	63 in (1 600 mm)	72 in (1 830 mm)	72 in (1 830 mm)	84 in (2 150 mm)
	Height	28 in (705 mm)	48 in (1 215 mm)	48 in (1 215 mm)	55 in (1 383 mm)
Weight, including adapter	12 125 lb (5 500 kg)	29 762 lb (13 500 kg)	33 951 lb (15 400 kg)	48 281 lb (21 900 kg)	

Data is subject to confirmation by the manufacturer.