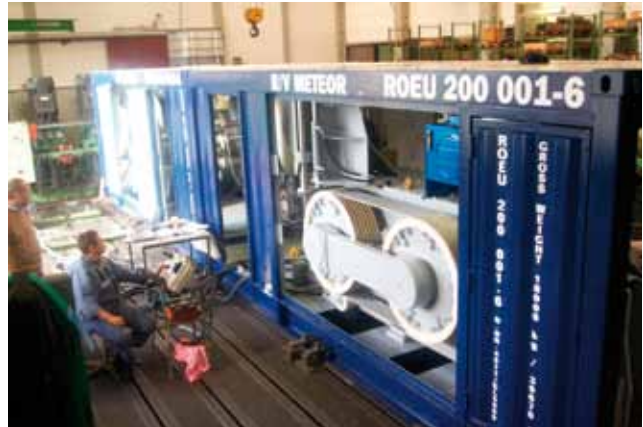
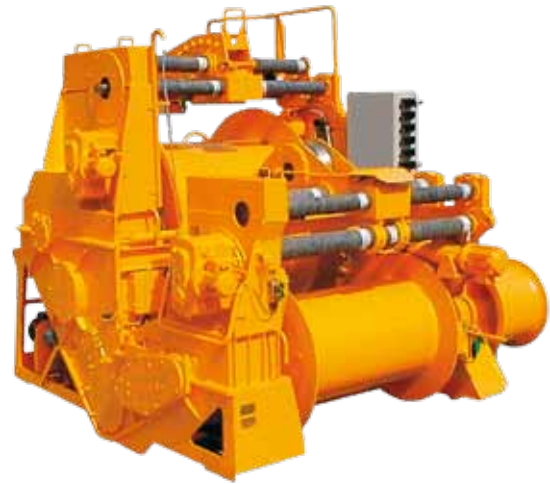


RESEARCH WINCHES

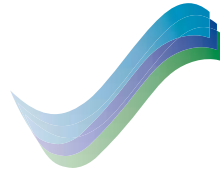


STRUCTURAL FEATURES:

- For all special requirements and purposes
- Available with HATLAPA's special spooling system for universal reeling of wires, cables and hoses with different diameters

HATLAPA PATENT:

- Spooling corrective gear with automatic spooling error compensation for careful cable spooling



RESEARCH WINCHES FOR SPECIAL PURPOSES

EXAMPLES FOR RESEARCH VESSELS
EQUIPPED WITH HATLAPA WINCHES:

R / V “MS MARIA S. MERIAN“



FRICTION WINCH



STORAGE WINCH

R / V “MARIA S. MERIAN“

Serial winch	20 kN	with electric motor, frequency-controlled
Single core winch	30 kN	with electric motor, frequency-controlled
Tugger winch	50 kN	with electric motor, frequency-controlled
Friction winch	150 kN	with 4 electric motors, frequency-controlled
Storage winch	20-1 kN	with electric motor, frequency-controlled
Storage winch	20-2 kN	with electric motor, frequency-controlled
Rewinding winch	30 kN	with electric motor, frequency-controlled
Horizontal capstan	50 kN	with electric motor, frequency-controlled

R / V “POLARSTERN“

Single core winch	40 kN	with D/C electric motor
Single core & serial winch	40 kN	with D/C electric motor
Single core cable winch (compact design)	20 kN	with high-pressure hydraulic radial piston motor
Single core cable winch (compact design)	30 kN	with high-pressure hydraulic axial piston motor
Capstan	50 kN	with electric motor
Storage winch	5 kN	with electric motor
Rewinding winch	10 kN	with compact drive HYDRO DRIVE 20

R / V “METEOR“

Single core & serial winch	30 kN	with high-pressure hydraulic motor
Rewinding winch	30 kN	with electro-hydraulic compact unit
Rope winch	25 kN	with high-pressure hydraulic motor
Friction winch	200 kN	with 4 high-speed high-pressure hydraulic motors
Storage winch	10 kN	with high-pressure hydraulic motor
Single core towing winch	50 kN	with high-speed high-pressure hydraulic motor
Rope winch	7,5 kN	with pole-changing squirrel cage induction motor

R / V “PLANET“

Deep sea rope anchor winch	60 kN	with electric motor, frequency-controlled
Double drum towing winch	50 / 30 kN	with electric motor, frequency-controlled
Steel wire rope	30 kN	with electric motor, frequency-controlled
Serial winch	12 kN	with electric motor, frequency-controlled

Illustrations, technical data, weights and dimensions are subject to alteration without previous notice.