

EQUIPMENT SHEET

MOTION COMPENSATED PILE GRIPPER FRAME
INSTALLING MONOPILES USING A DP- HLV



CONSTRUCTION / CLASSIFICATION

MCPGF built by	Huisman Equipment
Year built	2023
Classification	Bureau Veritas ✕ Offshore Handling System

FEATURES

Maximum MP diameter	12.5 m (plus appurtenances)
Minimum MP diameter	7.0 m
Maximum MP weight	3,000 t (incl lifting tool)
Maximum MP length	125 m
Maximum gripper force	350 t (maximum 250 t/roller)

Single ring gripper, equipped with 8 rollers
Horizontal movements: 4 m from nominal position (X, Y)
DP-2 type redundancy
Hybrid power supply with Energy Storage System



MAIN VESSEL INTERFACE

DP System	Kongsberg DP-2
MCPGF control	Huisman (with bridge mounted HMI)

DIMENSIONS

Length overall	35 m (including freedom of movement)
Height	34 m above deck, when stored
Breadth	50 m over-all, in working position

INSTALLED POWER

Installed power	5,000 kW (four independent islands)
Energy storage system	capacity 600 kWh

NOISE MITIGATION SYSTEM

Integrated Noise Mitigation System
Single ring NMS, suspended from gripper ring
Adaptable for all main Noise Mitigation Systems



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