DN JAN DE NUL



MCPG





Motion Compensated Pile Gripper

MONOPILE DIMENSIONS

Diameter bottom min. 7 m - max. 13 m

Diameter top min 6.5 m - max. 9 m

Length min. 60 m - max. 120 m

Weight max. 3,500 t

REQUIRED OPERATIONAL WORKABILITY

Water depth min. 20 m - max. 65 m

Design Hs 2.5 m

Tp min. 3 s - max. 12 s,

Current 3 kn

Wind operational 20 m/s (10'

mean @ 50 m)

Maximum total load in all

directions

500 t (incidental)

250 t (continuous active push/pull)

350 t (exceptional active push/pull)

INSTALLATION ACCURACY

Verticality/inclination of MP 0.2°

(in any direction)

Max. elevation deviation of top 0.05 m

of monopile from design elevation

Max. radial deviation +/-1 m

from plan location

Max. deviation 2.5°

from target position (heading)

OTHER FEATURES

Electric motion compensation

Yaw compensation min. 8°

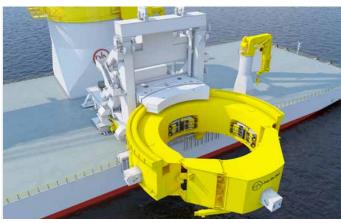
NMS system 17 winches: HSD & AdBm ready

Integrated survey system

Operational control center

Bolted deck interface for fast (de)mob







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