

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Swivel Low Headroom Hoists

with type designation(s)
DSLP-010, DSLP-020, DSLG-010, DSLG-020, DSLG-040, DSLG-060

Issued to
Dae Kyung Co., Ltd. (Pusan factory)
Busan, Republic of Korea

is found to comply with
DNV GL standard DNVGL-ST-0377 – Standard for shipboard lifting appliances

Application :

Products approved by this certificate are accepted for DNVGL product certification.

Issued at **Hamburg** on **2020-07-01**

This Certificate is valid until **2025-06-30** .

DNV GL local unit: **Gimhae Station**

for **DNV GL**

Approval Engineer: **Heiko Herrmann**

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Jörg Kallies
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Swivel Low Headroom Hoists

Type No.	Type Description	Extended Annotation	Working Load SWL
1	DSLP-010	Plain Type	1.0 t
2	DSLP-020	Plain Type	2.0 t
3	DSLГ-010	Geared Type	1.0 t
4	DSLГ-020	Geared Type	2.0 t
5	DSLГ-040	Geared Type	3.0 t
6	DSLГ-060	Geared Type	6.0 t

Design limitation for all products

- Design temperature: 0°C
- Design dynamic factor: 1.17
- Maximum heel/trim: 1°/1°

Application/Limitation

All materials are to be delivered with material certificate type 3.1 documenting mechanical properties in accordance with DNVGL-ST-0377 Edition 2018, Sec. 3.

- Various load transferring components like load chains, shackles etc. are to be manufactured according to recognized standards or codes and are to be delivered with relevant certificates for material and testing.
- Installation on board and the supporting structure are not covered by this approval and shall be evaluated in each case.
- Lifting of personnel is not allowed.
- Approved only for installation on platforms and for onboard lift.

Type Approval documentation

Tests carried out

Each lifting gear and chain block is to be tested according to DNVGL-ST-0377 (2018) Sec. 7 and 13.

Marking of product

Each unit is to be marked with manufactures name or trademark, type designation, serial number, safe working load in accordance with DNVGL-ST-0377 Standard for "Shipboard Lifting Appliances".

Periodical assessment

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnvgl.com>

End of Certificate