



# BIRO KLASIFIKASI INDONESIA

## SERTIFIKAT PERSETUJUAN DESAIN *Design Approval Certificate*

No. 00079.21.TP01049

No. Persetujuan : 00028DA21  
*No. of Approval*

Tanggal Persetujuan : 22 Juli 2021  
*Date of Approval*

Dengan ini dinyatakan bahwa desain dari produk dibawah ini telah disetujui berdasarkan persyaratan dari Peraturan dan/atau Standard yang tercantum dibawah ini

*This is to certify that the design of following products has been approved in accordance with requirements of the Rules and / or Standards listed below*

Produk : **Reduction Gear for Diesel Propulsion**  
*Product*

Pembuat : **D-I INDUSTRIAL CO., LTD.**  
*Manufacturer*  
13, Namgang-ro 1367 Beon-gil, Jinju-si, Gyeongsangnam-do, Korea. 52781

Tipe Produk : **DMT 110A**  
*Type Designation*

Standard persetujuan : Rules for Machinery Installations (Pt.1, Vol.III)  
*Approval standards*  
Guidance for The Approval and Type Approval of Materials and Equipment for Marine Use (Pt.1, Vol.W)

Sertifikat ini berlaku hingga tanggal yang ditetapkan di bawah dengan syarat pemeriksaan periodik dilakukan tepat waktu dan setiap perubahan atau modifikasi pada produk diberitahukan ke BKI.

*This certificate remains valid until the date set below provided that periodical surveillances are carried out on time and any alterations or modifications to the approved product notified to BKI.*

Sertifikat ini berlaku sampai dengan : **21 Juli 2026**

*This certificate is valid until*



Jakarta 16 Agustus 2021

a.n. Direktur Operasi  
Kepala Departemen Operasi Klasifikasi  
*o.b. Operation Director*  
*SVP of Classification Operation Dept.*

  
**ARIEF BUDI PERMANA**  
NUP:42896-KI

Catatan : Sertifikat ini terdiri dari 3 halaman  
*Note This certificate is consist of 3 pages*

Jika Peraturan atau Standard yang digunakan dalam proses persetujuan mengalami perubahan pada saat sertifikat ini masih berlaku, maka produk harus dilakukan persetujuan ulang sebelum dapat dipasang dikapal dimana Peraturan atau Standard tersebut berlaku.  
*Should the specified Rules or Standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended Rules or Standards apply.*



**Lampiran**  
*Annex to*  
**Sertifikat Persetujuan Desain**  
*Design Approval Certificate*

No. Sertifikat : 00079.21.TP01049  
*No. of certificate*

No. Persetujuan : 00028DA21  
*Approval no.*

**Deskripsi Produk**  
*Product Description*

1. Reduction Gear for Diesel Propulsion

Model	Reduction Ratio	Speed (RPM)	Power (kW)	Input Torque (N.m)
DMT 110A	1.77	2800	316	1079
	2.09		316	1079
	2.42		316	1079
	2.82		316	1079
	3.19		316	1079
	3.81		316	1079

2. Approved Drawing No. : 2141010190

**Lingkup Persetujuan**  
*Scope of Approval*

1. The materials for the main components are to be complied with the requirements of the Rules for Machinery Installations (Pt.1, Vol.III) or to be satisfactory to the surveyor.
2. Materials for the main components are to be certified by BKI or to be satisfactory to the Surveyor.
3. Spare parts are to be supplied in accordance with the Rules applicable to the vessel in which the gearbox is installed.
4. Each gearbox to be supplied to vessels classed by BKI shall be provided with individual product certificate.