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Certificate No: LR2402657TA Issue Date: 21/02/2024 Expiry Date: 20/02/2029

## **Type Approval Certificate**

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

**Address** Carl-Zeiss-Straße 25, Rheine, 48432, Germany

**Type** Shaft Couplings

**Description** Steel lamina couplings with hubs with feather keyway and spacers that are not

welded

Trade Name RADEX®-N NANA and RIGIFLEX®-N A

**Application** As shaft coupling for auxiliary drive systems powered by electric motors or

hydraulic motors

**Specified Standard** Lloyd's Register Rules and Regulations for the Classification of Ships, 2023

**Ratings** See Appendix

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document HPC 2361028, Issue No. 0 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

## **Olaf Schmidt**

Engineering - Power Generation - Lead Specialist to Lloyd's Register EMEA A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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## **Appendix**

RATINGS	Туре	Size	Nominal Torque as per Catalogues, Nm
	RADEX®-N NANA	25 - 338	60 - 280000
	RIGIFLEX®-N A	35 - 408	130 - 280000

Operating factors, permissible speed and shaft misalignment according to KTR catalogues

Maximal nominal driving torque :  $T_{max} = T_{KN} / S_B$   $T_{KN} - Coupling$  nominal catalogue torque  $S_B - Coupling$  factor as per catalogue