



Marine & Offshore

Certificate number: 02965/I0 BV

File number: ACM 103/270/2

Product code: 0620I

This certificate is not valid when presented without the full attached schedule
composed of 7 sections

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

KTR Systems GmbH

Rheine - GERMANY

for the type of product

FLEXIBLE SHAFT COUPLINGS WITH RUBBER ELEMENTS

COUPLING SERIES: ROTEX

Requirements:

BUREAU VERITAS Rules for the Classification of Steel Ships.

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate is a renewal of certificate N° 02965/H0 BV expiring on 17/05/2024

This certificate will expire on: 17 May 2029

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 08 May 2024,

Heiko Lange

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarnb.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=rdlr5qee3n>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Coupling series: ROTEX

Including variants and special designs, according to the manufacturer's catalogues.

Identification and technical data:

64 shore D spider T-PUR		92 shore A spider T-PUR and PUR		98 shore A spider T-PUR and PUR	
Size	Nominal torque [Nm]	Size	Nominal torque [Nm]	Size	Nominal torque [Nm]
14	16	14	7.5	14	12.5
19	21	19	10	19	17
24	75	24	35	24	60
28	200	28	95	28	160
38	405	38	190	38	325
42	560	42	265	42	450
48	655	48	310	48	525
55	825	55	410	55	685
65	1175	65	625	65	940
75	2400	75	1280	75	1920
90	4500	90	2400	90	3600
100	6185	100	3300	100	4950
110	9000	110	4800	110	7200
125	12500	125	6650	125	10000
140	16000	140	8550	140	12800
160	24000	160	12800	160	19200
180	35000	180	18650	180	28000

2. DOCUMENTS AND DRAWINGS:

According to following documents:

Designation	Rev.
Manufacturer's catalogue: Drive Technology 2024/25	04/2024

3. TEST REPORTS:

Not applicable.

4. APPLICATION / LIMITATION:

- 4.1 On board installation and maintenance requirements have to be in accordance with Society's Rules requirements and manufacturer's recommendations.
- 4.2 These types of couplings will be admitted for the propulsive plant, only if arrangements are made to deal with the propeller thrust.
- 4.3 The allowable misalignment has to be according to the manufacturer's catalogue.
- 4.4 Coupling connections to external shafts, flanges or flywheels have to comply with the applicable requirements of BUREAU VERITAS.
- 4.5 For the use in propulsion systems of vessels with an additional ice class notation, the applicable requirements of BUREAU VERITAS have to be considered.

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 The couplings are to be supplied by **KTR Systems GmbH** in compliance with the type and the requirements described in this certificate.
- 5.2 This type of product is within the category IBV of BUREAU VERITAS Rule Note NR320.
- 5.3 BUREAU VERITAS product certificate is required.
- 5.4 For information, **KTR Systems GmbH** has declared to BUREAU VERITAS the following production site:
KTR Systems GmbH, Rheine / GERMANY
- 5.5 The inspection made at the manufacturer premises does not prejudice of any additional equipment, which may be required for some specific applications, in order to comply with the related Rules of the Society.
- 5.6 If required by the Rules, each attached piece of equipment is to be individually inspected at workshops by Society Surveyors.

6. MARKING OF PRODUCT:

Each coupling should be marked with:

- Manufacturer's name or logo
- Size
- Serial number
- Nominal torque
- Maximum allowable speed
- BUREAU VERITAS' marks

7. OTHERS:

- 7.1 It is **KTR Systems GmbH**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- 7.2 This certificate supersedes the Type Approval Certificate N° 02965/H0 BV issued on 17 May 2019 by the Society.

***** END OF CERTIFICATE *****