

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAM000013N
Revision No:
3

This is to certify:

that the **Flexible Mounts for Propulsion or Auxiliary Machinery**

with type designation(s)

Cushyfloat, Cushymount K & XK, D series, Super D, DX mounts, Sandwich Mounting, Standard Industrial Product Range.

issued to

**Trelleborg Industrial Products UK AVS
Leicester, United Kingdom**

is found to comply with

DNV rules for classification – Ships

DNV rules for classification – High speed and light craft

Application:

The mountings are approved for use in diesel engine installations for propulsion and auxiliary duty and as mountings for reduction gears and other auxiliary machinery with limitations as given in data sheets mentioned in the certificate.

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2025-01-22**

This Certificate is valid until **2030-01-21**.

DNV local unit: **UK & Ireland CMC & VMC**

Approval Engineer: **Wolfgang Schütz**

for **DNV**



Digitally Signed By:
Svein-Olav Hannevik
Location: DNV Høvik, Norway

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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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 USD 300 000.

Product description

Anti-vibration chocks, anti-shock and vibration mounts

Application/Limitation

The mountings are approved for use in diesel engine installations for propulsion and auxiliary duty and as mountings for reduction gears and other auxiliary machinery with limitations as given in the Product Data information available on the web site <http://trelleborg.com/industrialavs> under section "Products"

Type Approval documentation

Product Survey Report SHF98/6756, SHF06/6271 and the following drawings:

Drawing No.	Rev	Title	Date
1. 17/1468	10	Metalastik Cushymount	29 Aug 2001
2. 17/1469	10	Metalastik Cushymount	29 Aug 2001
3. 17/1470	17	Metalastik Cushymount	17 Nov 2006
4. 17/1503	13	Metalastik Cushymount	16 Nov 2006
5. 17/1503/1	17	Metalastik Cushymount with locking	17 Nov 2006
6. 17/1589	7	Metalastik Cushymount	28 Aug 2001
7. 17/1669	3	Metalastik Cushymount	29 Aug 2001
8. 17/1732/1	3	Metalastik Cushymount	29 Aug 2001
9. 17/1758	6	Metalastik Cushymount	29 Aug 2001
10. 17/1770	3	Metalastik Cushymount	29 Sep 2001
11. 17/1872	9	Mounting – Cushymount 'K'	30 Mar 2005
12. 17/1921	10	Mounting – Cushymount - buffered	30 Mar 2005
13. 17/0645	26	Metalastik Cushyfoot 'S'	22 Mar 2005
14. 17/1011/1	10	Metalastik Cushyfloat 'S'	23 Mar 2005
15. 15/4050	A	Miscellaneous (Cushyfloat series 1609,1657,1841)	11 Oct 2006
16. 17/2210	3	Height adjusters (For cushyfloats)	17 Nov 2006
17. 15/4051	A	Miscellaneous (Super D series 1661,1162,1663,1871, 1736, 1737,1738,1922,2198,2199,1773,1774,1775,1790,2015)	11 Oct 2006
18. 17/2092	5	Mounting – DX mount	3 Nov 2003
19. 17/2266	6	Mounting – DX mount	7 Feb 2005
20. 17/2267	3	Mounting – DX mount	7 Feb 2005
21. 15/4052	A	Mounting –D (Series 1601,1602,1603)	11 Oct 2006
22. 17/1549	17	Mounting Rectangular	30 Mar 2005
23. 17/1654	9	Mounting Rectangular	30 Mar 2005
24. 17/1912	9	Mounting Rectangular	30 Mar 2005
25. 17/1716	9	Mounting Rectangular	23 Mar 2005
(Replaces 17/1359)			
26. 17/1783	9	Mounting Rectangular	01 Mar 2007
27. 17/1973	8	Mounting Rectangular	01 Mar 2007
28. 17/1990/1	7	HT Cushyfloat	30 Mar 2005
29. 17/2182/1	2	HT Cushyfloat	11 Apr 2004
30. 17/2310/1	1	HD Cushyfloat	26 Sep 2006
31. Standard Industrial mounts: RA, RAEM, M, RAB, SAW, GK, VT, BA, UH, HK, EH, SIM		are all described on website.	
32. 17/4152	1	Mounting Rectangular	01 Dec 2006
33. 17/4146	8	Cushymount XK	01 April 2010
34. 17/2092	6	Mounting – DX mount	04 June 2019
35. 17/1912	9	Mounting Rectangular	11 July 2013
36. 17/1783	9	Mounting Rectangular	18 Dec 2012
37. 17/1973	8	Mounting Rectangular	18 Dec 2012
38. 17/2220/1	2	Mounting – Super D	24 Oct 2012
39. 17-5932-00	B.00	Mounting – Super D	19 Jan 2023

Marking of product

The product to be marked with manufacturer's name or trademark and type number identification.



Job ID: **262.1-009953-6**
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Periodical assessment

For retention of the type approval, a DNV surveyor shall perform an assessment after 2 years and after 3.5 years, to verify that the conditions of the type approval are complied with. A renewal assessment will be performed at renewal of the certificate.

In cases where the type approved product is manufactured at other companies, the periodical assessment shall verify that the type approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore, periodical assessment shall be carried out randomly at these companies.

Other conditions

No product certificate required.

Installation, maintenance and inspection of the mounts to be done according to the makers instructions.

END OF CERTIFICATE