



Eaton-Walterscheid-Trilogy

For all tube connections in hydraulic systems



Maritime Industries - Eaton® – Walterscheid™ Metrische Rohrverbindungssysteme Metric Tube Fitting Systems

Eaton® – Walterscheid™ Metric Tube Fitting Systems

- **Metric Tube Fittings:** DIN 2353 / ISO 8434-1 (24° Cone), 6 to 42 mm tube outer diameter
- **37° Flanges:** 16 to 60.3 mm tube outer diameter according to SAE J518 / ISO 6162
- **Global Availability**
- **Highest Nominal Pressure Steps:**
 - L-Series (light) up to **500 bar** / 7,250 psi
 - S-Series (heavy) up to **800 bar** / 11,600 psi
- **Material:** Stainless Steel (1.4571) and Carbon Steel with Cr3 plating (Chromium 6 free)
- **Coating:** **Eaton Guardian Seal™**, acc. to **VDMA 24576 C5 (360 St. WR / 720 St. RR)**
- **Systems:** Eaton-Walterscheid-Trilogy
 - **WALPRO** Two edge cutting ring
 - **WALRING** Two edge cutting ring with additional soft seal
 - **WALFORMplus** Tube Forming System
 - Tube forming system **WALFORMplus** (Soft seal)
 - Tube forming system **WALFORMplus-M** (Metallic sealing)
 - **WALFORMplus-SR** for thin wall thicknesses



WALFORM-Machine

Eaton® – Walterscheid™ Metrische Rohrverbindungssysteme

- **Metrische Rohrverschraubungen:** gem. DIN 2353 / ISO 8434-1 (24° Konus), 6 to 42 mm Rohr-AD
- **37° Bördelflansche:** 16 to 60.3 mm Rohr-AD gem. SAE J518 / ISO 6162
- **Globale Verfügbarkeit**
- **Höchste Drücke (PN):**
 - L-Serie (leichte Baureihe) bis zu **500 bar** / 7,250 psi
 - S-Serie (schwere Baureihe) bis zu **800 bar** / 11,600 psi
- **Material:** Edelstahl (1.4571) und Stahl mit Chrom-6-freier Oberfläche
- **Oberfläche:** **Eaton Guardian Seal™**, gem. **VDMA 24576 K5 (360 St. WR / 720 St. RR)**
- **Systems:** Eaton-Walterscheid-Trilogy
 - **WALPRO** Profilring mit Zwei-Schneiden-Technik
 - **WALRING** Zwei-Schneiden-Ring mit Weichdichtung (z.B. Viton®)
 - **WALFORMplus** Rohr-Umformsystem
 - Rohr-Umformsystem **WALFORMplus** (weichdichtend)
 - Rohr-Umformsystem **WALFORMplus-M** (metallsich dichtend)
 - **WALFORMplus-SR** für dünne Rohrwandstärken (weichdichtend)



WALFORM-Machine

Eaton® – Walterscheid™ Metric Tube Fitting Systems

- Walterscheid Approvals for Maritim Application:

- **MOD (British Ministry of Defence)**
 - Includes Shock Test (700 g forces)
 - WALFORM is the only tube forming system fulfilling this approval
- DNV (Det Norske Veritas)
- LR (Lloyd's Register)
- RINA (Register Italiano Navale)
- BV (Bureau Veritas)
- Germanischer Lloyd
- Other industrial certificates existing



MINISTRY OF DEFENCE



MarineLink.com

Maritime Reporter and MarineNews magazines online

Walform M was given full M.o.D. (Navy) approval for use on Cupro - Nickel 70 / 30 pipework for all future work.



**BUREAU
VERITAS**



Eaton® – Walterscheid™ Metrische Rohrverbindungssysteme

- Walterscheid Zulassungen für maritime Anwendungen

- **MOD (British Ministry of Defence)**
 - Schock Test bis 700 g
 - WALFORM is das einzige am Markt erhältliche Umformsystem mit M.o.D.-Zertifikat
- DNV (Det Norske Veritas)
- LR (Lloyd's Register)
- RINA (Register Italiano Navale)
- BV (Bureau Veritas)
- GermanischerLloyd
- Weitere industrielle Zertifikate vorhanden



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Einige WALFORM Anwendungen...

Huisman



Type 45 Fregate



Eaton Walterscheid
Partner



Kokums Stealth Technology
(SE, Visby)



MAMMOET

Kursk
salvage



EATON

Powering Business Worldwide