



# COATING SOLUTIONS



Hydraulic applications are particularly subject to **corrosion**, mostly due to the predominant use of steel.



Corrosion refers to the gradual deterioration of a material or its properties due to constant exposure to its environment (or mechanical constraint). The most widely known form of corrosion is that of steel, commonly referred to as **rust**, resulting from oxidation of iron.



The global **cost** generated by corrosion (maintenance, spare parts and corroded structures replacement, accidents, etc.) is estimated to represent 3.5% of global GDP (according to a NACE study).



**OUR SOLUTIONS**

Several methods exist to combat corrosion. In the case of hydraulic fittings, this is achieved through material selection and its **coating**. However, each coating technology yields different results.

With the constant objective of providing an unrivalled quality-to-price ratio, DMH offers a range of steel fittings with two trivalent-Chromium coatings as well as a Zinc-Nickel solution.

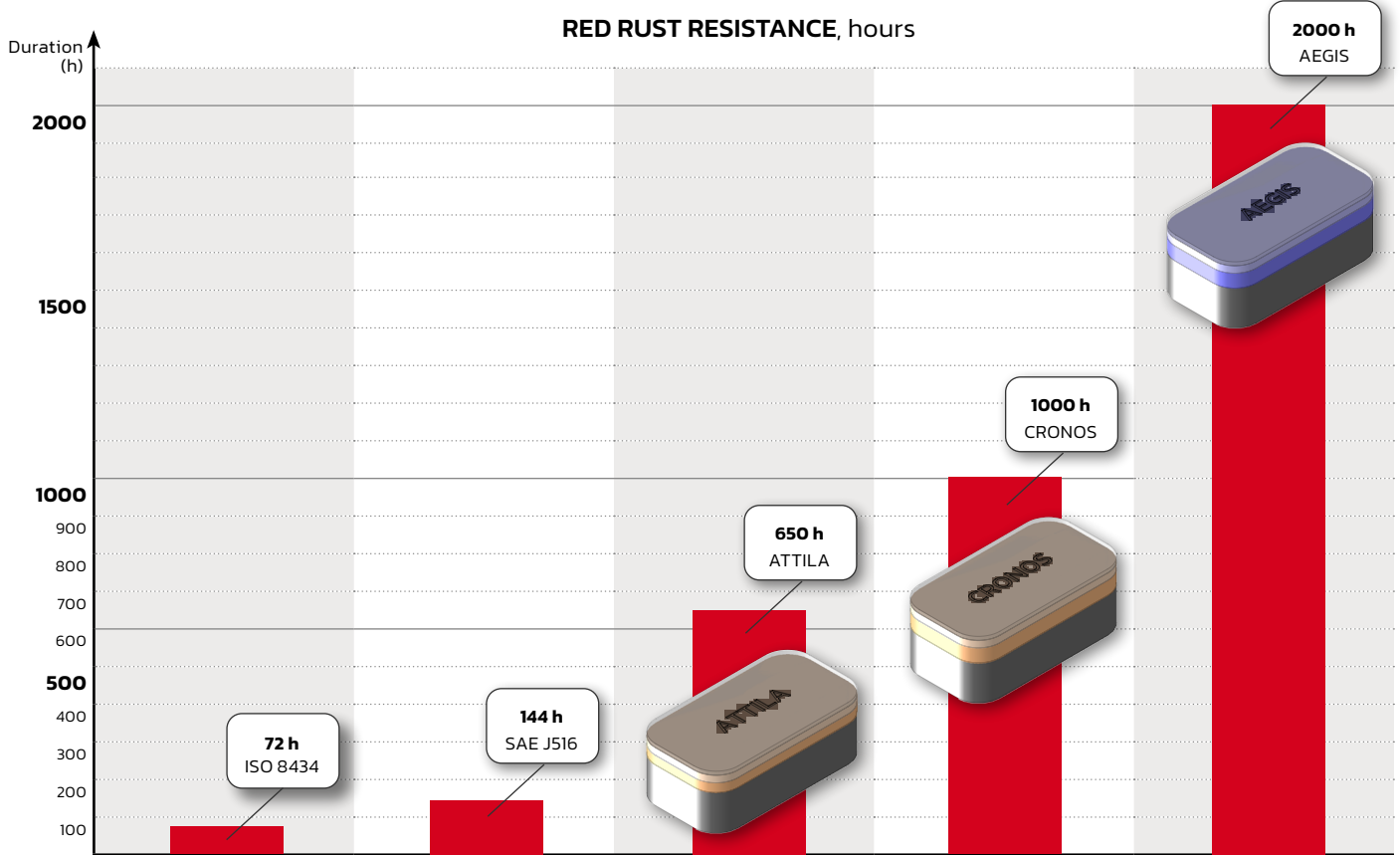
Other on request solutions:

- Biodiesel (Fe/NiP 13)
- Black oxide
- Cataphoresis

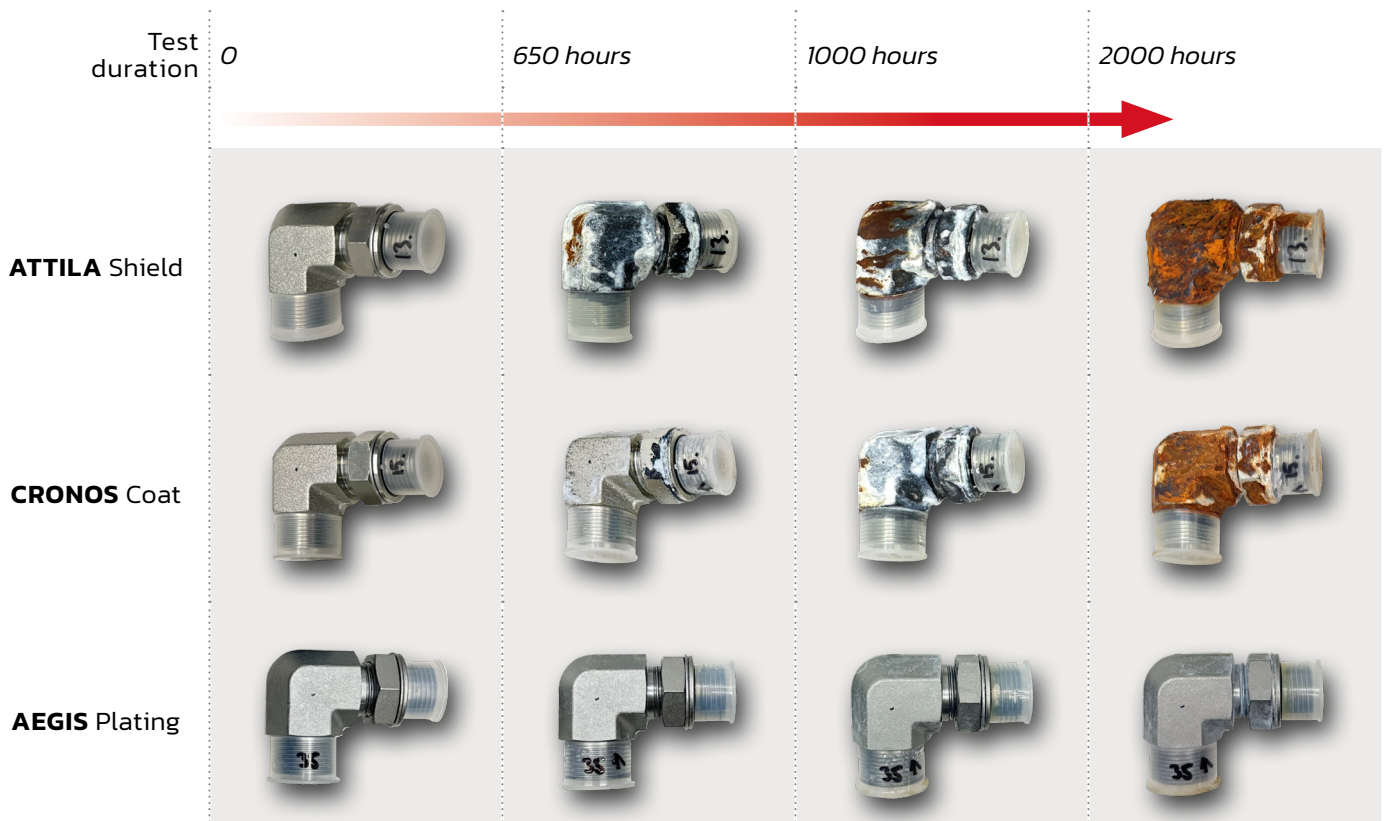


|                                   | <b>ATTILA Shield</b>  | <b>CRONOS Coat</b>   | <b>AEGIS Plating</b>  |
|-----------------------------------|---|--|---|
| <b>Coating structure</b>          | <p>Topcoat finish<br/>Chrome III Passivation<br/>Zinc plating <b>8 µm</b><br/>Steel</p> <p>Performance reaches up to 4 times that of SAE J516</p> | <p>Topcoat finish<br/>Chrome III Passivation<br/>Zinc plating <b>12 µm</b><br/>Steel</p> <p>Excellent resistance to red rust</p> | <p>Topcoat finish<br/>Passivation<br/>Zinc-nickel plating<br/>Steel</p> <p>PREMIUM solution: nickel slows down the corrosion rate of zinc, providing longer-lasting protection than a classic Chrome III passivation.</p> |
| <b>Coating details</b>            | <b>Chrome III - 8 µm</b><br>Chrome VI free  | <b>Chrome III - 12 µm</b><br>Chrome VI free  | <b>Zinc-Nickel</b>  |
| <b>Red rust resistance</b>        | <b>650 hours</b>  | <b>1000 hours</b>  | plus de <b>2000 hours</b>   |
|                                   | Data collected in a laboratory under Neutral Salt Spray Test (NSST) conditions - ISO 9227   |  |   |
| <b>Compliance with directives</b> | REACH (1907/2006/EC) - ROHS (2011/65/EC) - ELV (2000/53/EC)   |  |   |
| <b>LK range</b>                   | Up until January 2026:<br>Hose fittings, ferrules, BSP fittings, French GAZ series.   | Standard on all our range.   | Available on request on all our products.   |

**PERFORMANCES**



**NEUTRAL SALT SPRAY TEST (SST)**



\* First appearance of red rust



## **DMH, AN IMPORT AND TRADING PLATFORM FOR ALL HYDRAULIC FITTINGS**

Our mission is to establish strong partnerships with our customers by enabling them to achieve their objectives in terms of competitiveness, responsiveness, and reliability. To support them in this process, we provide access to a complete range of high-quality hydraulic products.

Primarily targeting the European market, DMH mainly supplies major manufacturers (agricultural machinery, heavy-duty vehicles, industrial equipment, etc.) as well as hydraulic distribution specialists.

With over twenty years of experience, our team guarantees a relevant and responsive service to meet all your requirements.

### **A COMPLETE RANGE OF HYDRAULIC FITTINGS**

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#### **DMH - Nantes office**

6 rue Jupiter 44470 Carquefou FRANCE  
T +33 (0)2 40 25 77 27  
F +33 (0)2 40 25 91 81  
distribution@dmhfrance.com

#### **DMH - Lyon office**

5 Avenue Lionel Terray 69330 Meyzieu FRANCE  
T +33 (0)4 37 25 84 50  
F +33 (0)4 72 51 49 78  
infoslyon@dmhfrance.com

**www.dmhfrance.com**

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