



**MSL and VSL industrial threaded couplings - general information**

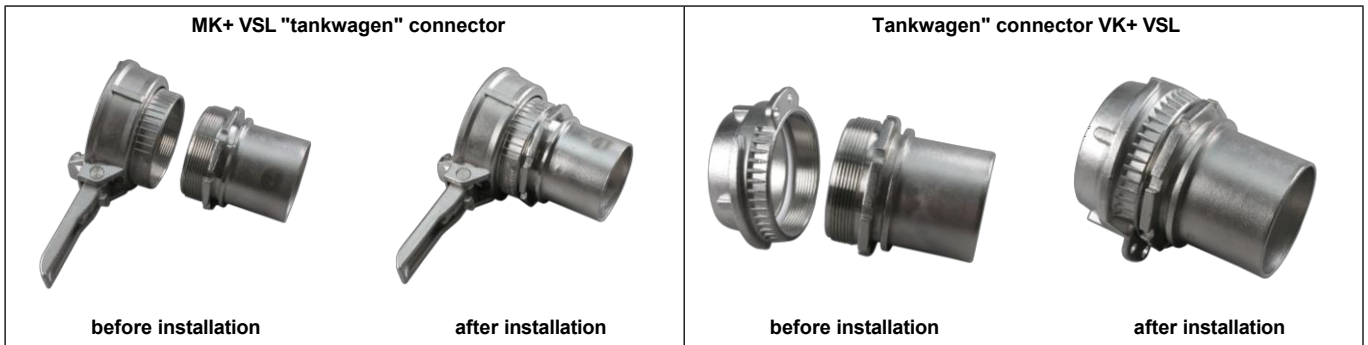
Hose end threaded couplings are commonly used for fitting to rubber and some plastic industrial hoses. Nominal diameters from 1/2" (DN13) to 4" (DN100). Manufactured from galvanised carbon steel, stainless steel, brass, polypropylene and aluminium. Working pressure 25 bar (16 bar for aluminium, 6 bar for polypropylene). Mounted using EN 14420-3 / DIN 2817 shell clamps (the coupling should be selected to suit the hose inside diameter and wall thickness). They can also be crimped with suitable collets. Also available as corrugated "tail" threaded couplings with lock for shell clamps - type VSLR, MSLR and corrugated "tail" couplings without lock, assembly by means of bands - type VRS, MRS.

They have internal or external threads of various types: BSP, BSPT, NPT, NPS, metric, trapezoidal. Depending on the type of thread, an airtight connection is achieved by means of: a flat gasket, on the cone (metal-to-metal) or on the thread (with Teflon tape or liquid or paste sealant). Used for all kinds of media: chemicals, petrochemicals, liquefied gas - particularly popular in handling applications. For very aggressive chemicals, connectors covered with a layer of chemically resistant fluoropolymer E-CTFE lining are available. Also available in a conductive CF-E-CTFE version (R<sup>106</sup> Ω).

**Assembly methods for threaded couplings**



Threaded couplings are also used to connect to components such as 'tankwagen' (TW) couplings, Camlock couplings, abutment couplings (e.g. Storz), etc.



Depending on size, material of construction and manufacturer, the couplings have different shapes of key flange: e.g. hexagonal, octagonal, hook key (claw key), circular with hook key picks:

