

STANDARD

LMC's DINBO couplings have been developed for use in steam applications up to 18 bar / 260 psi. The hose shank is designed in compliance with EN 14423 / DIN 2826 for assembly with RKS steam clamps complying with EN 14423 / DIN 2826.

OPERATION

The round head of the hose shank is designed to fit the ground joint coupling. The spud forms one half of the LMC's DINBO coupling and is usually permanently fixed to the equipment. The hose shank and wing nut are clamped to the hose using RKS steam clamps complying with EN 14423 / DIN 2826. The spud and hose shank are connected/disconnected by rotating the wing nut on the spud to achieve a mechanical and pressure connection. The rounded head of the hose shank contacts the bevelled polymer insert of the spud, creating a soft-to-hard polymer connection.

APPLICATION

DINBO couplings are commonly used for compressed air, water, liquid petroleum gas, fluid petroleum products, chemical, potable fluids and almost any other type of fluid or gas. They can be used with all types of rubber, synthetic, plastic, metal (with special stems) or semi-metal hoses.

N.B.: Steam is dangerous. Never use quick-release couplings for steam applications.

WORKING PRESSURE

18 bar / 260 psi

TEMPERATURE

-51°C / -60°F up to 232°C / 450°F

Hose, coupling, assembly method and seal must be chosen in relation with the desired application and temperature range.

MATERIAL

- Coupling
 - Stainless steel AISI 316 - 1.4401
 - Zinc plated steel
 - Bronze 2.10 90.01 G-CuSn7ZnPb
- Seal
 - PTFE + 15% graphite



ASSEMBLY

RKS steam clamps complying with EN 14423 / DIN 2826

N.B.: The bolts used for RKS steam clamps are not standard bolts. They differ from standard bolts in terms of their length, diameter, overall thread length and material hardness. The bolts can be re-torqued, but this is not recommended, since they are designed for one-off use only. We recommend using only factory-supplied replacement bolts.

THREADS

Wing nut: NPSM (American National Straight Pipe thread for Mechanical Joints)

Spud

Female thread: EN 10226-1 / DIN 2999, BSPT (NPT available on request)

Male thread: NPSM



Male thread NPSM

Female thread BSPT

