

STANDARD

LMC's RKS steam clamps are manufactured in compliance with EN 14423 / DIN 2826 for use with low- and high-pressure steam hoses complying with EN ISO 6134.

OPERATION

RKS steam clamps are used in saturated steam and hot water applications. There are a number of physical differences between RKS steam clamps complying with EN 14423 / DIN 2826 and RK safety clamps complying with EN 14420-3 / DIN 2817:

- RKS steam clamps are physically larger and longer
- RKS steam clamps have deeper inner groove
- RKS steam clamps consist of a thicker wall

RKS steam clamps complying with EN 14423 / DIN 2826 are assembled using specially-designed steam couplings complying with EN 14423 / DIN 2826.

N.B.: Steam is dangerous. EN ISO 6134 forbids the use of quick release couplings in steam applications. Extra care and attention should be taken when choosing the correct hose, fitting and clamping solution. Under no circumstances may RKS steam clamps complying with EN 14423 be replaced by RK safety clamps complying with EN 14420-3 / DIN 2817. Such substitution will result in a dangerous hose assembly.

APPLICATION

Assembly of steam and hot water hoses

WORKING PRESSURE

Working pressure: 18 bar / 261 psi with a temperature of 210°C / 410°F

Test pressure: 90 bar / 1305 psi

Burst pressure: 180 bar / 2611 psi

TEMPERATURE

Saturated steam: +210°C / 410 °F

Hot water: +120°C / 248°F

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



MATERIAL

■ RKS steam clamp shells

Forged brass	USA	ASTM B16, grade C36000
	Germany	DIN 17660 grade CuZn36Pb3
	UK	BS 2847 grade CZ124
Investment cast stainless steel	USA	ASTM A666 grade 316 stainless steel
	Germany	DIN 17440 grade 1.4401 X5CrNiMo1810
	UK	BS 970/4 grade 316S16

■ Nuts and bolts

Brass RKS steam clamps: bolts complying with EN ISO 4762 / DIN 912, zinc plated 8.8
nuts complying with EN ISO 4032 / DIN 934, zinc plated 8

Stainless steel RKS steam clamps: bolts complying with EN ISO 4762 / DIN 912, stainless steel A.2
nuts complying with EN ISO 4032 / DIN 934, stainless steel A.2

RKS steam clamps are supplied complete with nuts and bolts.

ASSEMBLY

See chapter E for assembly instructions

