

STANDARD

LMC's RK safety clamps are manufactured in compliance with EN 14420-3 / DIN 2817, and are used to assemble EN/DIN standardized hoses. Threaded-, quick- and flange couplings with a smooth hose shank complying with EN 14420-2 / DIN 2817 are assembled with RK safety clamps.

OPERATION

For safety reasons RK safety clamps should be used for larger hose diameters. RK safety clamps have a rim on the inside, which fits over the hose shank collar when the bolts are tightened. When RK safety clamps are assembled correctly, the coupling cannot be pulled out of the hose.

When a hose is withdrawn from service for any reason, the LMC-Couplings shells and couplings can be easily dismantled for reuse.

APPLICATION

Assembly of the rubber hoses used in food, pharmaceutical and transport industry applications.

Aluminium RK clamps are used in many applications, whilst brass RK clamps are used in loading and unloading terminals to prevent the risk of sparking. Stainless steel RK clamps are often used in clean working environments.

WORKING PRESSURE

-0.8 bar / -12 psi to 25 bar/362 psi

TEMPERATURE

-20°C/-4 °F to +65°C/149°F

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



MATERIAL

■ RK safety clamp shells

Drop forged aluminium	USA	ASTM B247, grade 6061-T6
	Germany	DIN 1749 grade AlMgSi1 F28 work stock No. 3.2315.61
	UK	BS 1472 HE 20 Grade 6061
Drop forged brass	USA	ASTM B16, grade C36000
	Germany	DIN 17660 grade CuZn36Pb3
	UK	BS 2847 grade CZ124
Cast stainless steel	USA	ASTM A666 grade 316 stainless steel
	Germany	DIN 17440 grade 1.4401 X5CrNiMo1810
	UK	NF A35-579 grade Z6CND17.11

■ Nuts and bolts

Aluminium RK safety clamps: bolts complying with EN ISO 4762 / DIN 912, zinc plated 8.8
nuts complying with EN ISO 4032 / DIN 934, zinc plated 8.8

Brass RK safety clamps: bolts complying with EN ISO 4762 / DIN 912, zinc plated 8.8
nuts complying with EN ISO 4032 / DIN 934, zinc plated 8.8

Stainless steel RK safety 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

RK safety clamps are supplied complete with nuts and bolts.

ASSEMBLY

See chapter E for the correct assembly instructions

