

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

100 bar / 1450 psi

TEMPERATURE

+210°C/410°F

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



MATERIAL

- RKS steam clamp shells

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	BS 970/4 grade 316S16
	France	NF A35-579 grade Z6CND17.11

- 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 8.8

Stainless steel RKS steamclamps: 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 F for assembly instructions





RKS STEAM CLAMPS

RKS STEAM CLAMPS EN 14423 / DIN 2826: BRASS

ND	ND mm	OD hose min-max mm	Material	Height mm	Width mm	Nuts and bolts		Weight kg	Reference
						Quantity	Thread metric		
15	13 x 6	24 - 26	Brass	65	53	4	M6 x 20	0.33	RKS013
20	19 x 7	32 - 34	Brass	65	68	4	M8 x 25	0.50	RKS019
25	25 x 7,5	39 - 41	Brass	65	77	4	M8 x 25	0.58	RKS025
32	32 x 8	47 - 50	Brass	75	86	4	M8 x 25	0.72	RKS032
40	38 x 8	53 - 56	Brass	90	101	4	M10 x 40	1.30	RKS038
50	50 x 9	67 - 69	Brass	100	111	4	M10 x 40	1.58	RKS050



Production method: drop forged

Set of RKS steam clamps = one pair of clamps, nuts and bolts included

Bolts DIN 912 / EN ISO 4762, zinc plated 8.8

Nuts DIN 934 / EN ISO 4032, zinc plated 8.8

RKS STEAM CLAMPS EN 14423 / DIN 2826: STAINLESS STEEL

ND	ND mm	OD hose min-max mm	Material	Height mm	Width mm	Nuts and bolts		Weight kg	Reference
						Quantity	Thread metric		
13	13 x 6	24 - 26	SS	65	53	4	M6	0.31	RKSR013
20	19 x 7	32 - 34	SS	65	68	4	M8	0.46	RKSR019
25	25 x 7,5	39 - 41	SS	65	77	4	M8	0.53	RKSR025
32	32 x 8	47 - 50	SS	75	86	4	M8	0.78	RKSR032
40	38 x 8	53 - 56	SS	90	101	4	M10	1.10	RKSR038
50	50 x 9	67 - 69	SS	100	111	4	M10	1.29	RKSR050



Production method: investment casting

Set of RKS steam clamps = one pair of clamps, nuts and bolts included

Bolts DIN 912 / EN ISO 4762, stainless steel A.2

Nuts DIN 934 / EN ISO 4032, stainless steel A.2

RKS STEAM CLAMPS



BOLTS COMPLYING EN ISO 4762

Size	Material	Box quantity	Weight	Reference
M6x20	Zinc plated 8.8	500	3.22	BVID06X20
M8x25	Zinc plated 8.8	200	2.94	BVID08X25
M6x20	Stainless steel A.2	500	3.16	BRID06X20
M8x25	Stainless steel A.2	200	3.00	BRID08X25



NUTS EN ISO 4032

Size	Material	Box quantity	Weight	Reference
M6	Zinc plated 8.8	250	0.55	MVD06
M8	Zinc plated 8.8	250	1.20	MVD08
M6	Stainless steel A.2	250	0.50	MRD06
M8	Stainless steel A.2	250	1.10	MRD08



IDENTIFICATION RING

ND	Material	For hose Ø OD mm	Weight/pc Kg	Reference
13	Stainless steel	31.0	0.03	IR013
19	Stainless steel	34.0	0.06	IR019
25	Stainless steel	40.0	0.07	IR025
32	Stainless steel	45.0	0.08	IR032
38	Stainless steel	56.0	0.12	IR038
50	Stainless steel	66.0	0.11	IR050



Polished stainless steel AISI 304 - EN 1.4301