

STANDARD

Steam couplings complying with EN 14423/ DIN 2826 are available in female and male threaded screw couplings and in flange couplings. The screw couplings are available in galvanized steel, stainless steel or brass. The flanged couplings are available in galvanized steel or stainless steel.

OPERATION

Steam couplings complying with EN 14423 / DIN 2826 are used to assemble steam hoses complying with EN ISO 6134. The serrated hose shank with collar is designed to be assembled with RKS steam clamps complying with EN 14423 / DIN 2826. Under no circumstances RK safety clamps complying with EN 1442-3 / DIN 2817 shall be used.



Compared with EN 14420-2 / DIN 2817-compliant smooth hose shanks, steam hose shanks complying with EN 14423 / DIN 2826 are serrated and are physically longer and larger.

Due to the high temperature applications in which steam couplings are used, PTFE or novatec® PREMIUM II thread seals are used for the female threaded-couplings.

APPLICATION

For saturated steam and hot water applications.

N.B.: Steam is dangerous. Never use quick-release couplings for steam applications. Extra care and attention should be taken when choosing the correct hose, fitting and clamping solution.

WORKING PRESSURE

100 bar / 1450 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 range.



MATERIAL

■ Coupling

Stainless steel: AISI 304 / EN 1.4301

Galvanized steel: 95MnPb28 – 1.0718

Brass: CW614N / EN 12420

■ Flange

Swivel flange

Galvanized carbon steel St 37.2

Stainless steel AISI 316L / EN 1.4404

Fixed flange

Galvanized carbon steel St 37.2

Stainless steel AISI 316L / EN 1.4404

■ Seal

For steam couplings

novatec® PREMIUM II with para-aramid fibres (KEVLAR®) for brass and steel steam couplings

PTFE for stainless steel steam couplings

For steam flanges

novatec® PREMIUM II with KEVLAR®

novatec® PREMIUM II is a registered trademark of Frenzelit

KEVLAR® is a registered trademark of Dupont Dow Elastomers

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. These bolts can be re-torqued, but it is not recommended that they are reused, since they are designed for one-off use only. We recommend using only factory-supplied replacement bolts.

Under no circumstances are RK safety clamps complying with EN 14420-3 / DIN 2817, worm drive clamps or swage ferrules shall be used for steam applications.

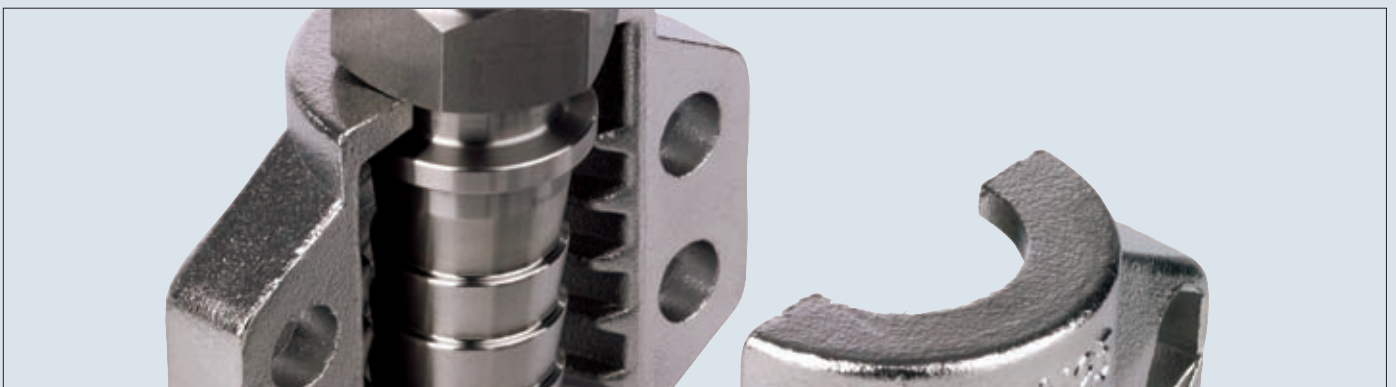
THREADS

Male thread: EN 10226-1 / DIN 2999, BSPT

ANSI B.1.20.1, NPT

Female thread: EN ISO 228-1, BSP

ANSI B.1.20.1, NPT available on request



STEAM COUPLINGS



MALE THREADED WITH HOSE SHANK

ND	Inch	For hose mm	Thread	Material	Weight/pc Kg	Reference
15	1/2"	13	R 1/2	Galvanized steel	0.10	RMSS013
20	3/4"	19	R 3/4	Galvanized steel	0.17	RMSS019
25	1"	25	R 1	Galvanized steel	0.26	RMSS025
32	1.1/4"	32	R 1.1/4	Galvanized steel	0.40	RMSS032
40	1.1/2"	38	R 1.1/2	Galvanized steel	0.51	RMSS038
50	2"	50	R 2	Galvanized steel	0.80	RMSS050
15	1/2"	13	R 1/2	Stainless steel	0.11	RMSR013
20	3/4"	19	R 3/4	Stainless steel	0.17	RMSR019
25	1"	25	R 1	Stainless steel	0.25	RMSR025
32	1.1/4"	32	R 1.1/4	Stainless steel	0.39	RMSR032
40	1.1/2"	38	R 1.1/2	Stainless steel	0.51	RMSR038
50	2"	50	R 2	Stainless steel	0.83	RMSR050
15	1/2"	13	NPT 1/2	Galvanized steel	0.10	RMSS013N
20	3/4"	19	NPT 3/4	Galvanized steel	0.17	RMSS019N
25	1"	25	NPT 1	Galvanized steel	0.26	RMSS025N
32	1.1/4"	32	NPT 1.1/4	Galvanized steel	0.40	RMSS032N
40	1.1/2"	38	NPT 1.1/2	Galvanized steel	0.51	RMSS038N
50	2"	50	NPT 2	Galvanized steel	0.80	RMSS050N
15	1/2"	13	NPT 1/2	Stainless steel	0.11	RMSR013N
20	3/4"	19	NPT 3/4	Stainless steel	0.17	RMSR019N
25	1"	25	NPT 1	Stainless steel	0.25	RMSR025N
32	1.1/4"	32	NPT 1.1/4	Stainless steel	0.39	RMSR032N
40	1.1/2"	38	NPT 1.1/2	Stainless steel	0.51	RMSR038N
50	2"	50	NPT 2	Stainless steel	0.83	RMSR050N
15	1/2"	13	R 1/2	Brass	0.12	RMSM013
20	3/4"	19	R 3/4	Brass	0.18	RMSM019
25	1"	25	R 1	Brass	0.28	RMSM025
32	1.1/4"	32	R 1.1/4	Brass	0.43	RMSM032
40	1.1/2"	38	R 1.1/2	Brass	0.52	RMSM038
50	2"	50	R 2	Brass	0.89	RMSM050
15	1/2"	13	NPT 1/2	Brass	0.12	RMSM013N
20	3/4"	19	NPT 3/4	Brass	0.18	RMSM019N
25	1"	25	NPT 1	Brass	0.28	RMSM025N
32	1.1/4"	32	NPT 1.1/4	Brass	0.43	RMSM032N
40	1.1/2"	38	NPT 1.1/2	Brass	0.43	RMSM038N
50	2"	50	NPT 2	Brass	0.89	RMSM050N



Male thread: EN 10226-1 / DIN 2999, BSPT

ANSI B 1.20.1, NPT

Assembly: RKS steam clamps complying with EN 14423 / DIN 2826

Stainless steel AISI 304 - EN 1.4301

STEAM COUPLINGS



FEMALE THREADED WITH HOSE SHANK

ND	Inch	For hose mm	Thread EN ISO 228-1	Thread seal	Material	Weight/pc Kg	Reference
15	1/2"	13	G 1/2	novatec® PREMIUM II	Galvanized steel	0.11	RVSS013
20	3/4"	19	G 3/4	novatec® PREMIUM II	Galvanized steel	0.18	RVSS019
25	1"	25	G 1	novatec® PREMIUM II	Galvanized steel	0.26	RVSS025
32	1.1/4"	32	G 1.1/4	novatec® PREMIUM II	Galvanized steel	0.39	RVSS032
40	1.1/2"	38	G 1.1/2	novatec® PREMIUM II	Galvanized steel	0.48	RVSS038
50	2"	50	G 2	novatec® PREMIUM II	Galvanized steel	0.80	RVSS050
15	1/2"	13	G 1/2	PTFE	Stainless steel	0.11	RVSR013
20	3/4"	19	G 3/4	PTFE	Stainless steel	0.18	RVSR019
25	1"	25	G 1	PTFE	Stainless steel	0.27	RVSR025
32	1.1/4"	32	G 1.1/4	PTFE	Stainless steel	0.39	RVSR032
40	1.1/2"	38	G 1.1/2	PTFE	Stainless steel	0.49	RVSR038
50	2"	50	G 2	PTFE	Stainless steel	0.81	RVSR050
15	1/2"	13	G 1/2	novatec® PREMIUM II	Brass	0.12	RVSM013
20	3/4"	19	G 3/4	novatec® PREMIUM II	Brass	0.18	RVSM019
25	1"	25	G 1	novatec® PREMIUM II	Brass	0.28	RVSM025
32	1.1/4"	32	G 1.1/4	novatec® PREMIUM II	Brass	0.44	RVSM032
40	1.1/2"	38	G 1.1/2	novatec® PREMIUM II	Brass	0.54	RVSM038
50	2"	50	G 2	novatec® PREMIUM II	Brass	0.85	RVSM050



Female thread: EN ISO 228-1, BSP

Assembly: RKS steam clamps complying with EN 14423 / DIN 2826

Stainless steel AISI 304 - EN 1.4301

Thread seal: novatec® PREMIUM II with KEVLAR®

novatec® PREMIUM II is a registered trademark of Frenzelit - KEVLAR® is a registered trademark of Dupont Dow Elastomers

STEAM COUPLINGS



SWIVEL STEAM FLANGE

ND	Inch	Flange pressure class	For hose mm	Material hose shank	Material flange	Weight/pc kg	Reference
15	1/2"	DIN PN 10/16	13	Steel	Steel	1.30	FLMG013
20	3/4"	DIN PN 10/16	19	Steel	Steel	1.62	FLMG019
25	1"	DIN PN 10/16	25	Steel	Steel	2.48	FLMG025
32	1 1/4"	DIN PN 10/16	32	Steel	Steel	3.00	FLMG032
40	1 1/2"	DIN PN 10/16	38	Steel	Steel	4.30	FLMG038
50	2"	DIN PN 10/16	50	Steel	Steel	5.30	FLMG050



15	1/2"	DIN PN 10/16	13	SS	SS	1.24	RRFLMG013
20	3/4"	DIN PN 10/16	19	SS	SS	1.77	RRFLMG019
25	1"	DIN PN 10/16	25	SS	SS	2.32	RRFLMG025
32	1 1/4"	DIN PN 10/16	32	SS	SS	3.10	RRFLMG032
40	1 1/2"	DIN PN 10/16	38	SS	SS	4.20	RRFLMG038
50	2"	DIN PN 10/16	50	SS	SS	5.80	RRFLMG050



15	1/2"	DIN PN 10/16	13	SS	Steel	1.24	RSFLMG013
20	3/4"	DIN PN 10/16	19	SS	Steel	1.77	RSFLMG019
25	1"	DIN PN 10/16	25	SS	Steel	2.32	RSFLMG025
32	1 1/4"	DIN PN 10/16	32	SS	Steel	3.40	RSFLMG032
40	1 1/2"	DIN PN 10/16	38	SS	Steel	3.91	RSFLMG038
50	2"	DIN PN 10/16	50	SS	Steel	5.20	RSFLMG050



15	1/2"	DIN PN 25/40	13	Steel	Steel	1.40	FLMGP4013
20	3/4"	DIN PN 25/40	19	Steel	Steel	1.92	FLMGP4019
25	1"	DIN PN 25/40	25	Steel	Steel	2.58	FLMGP4025
32	1 1/4"	DIN PN 25/40	32	Steel	Steel	3.20	FLMGP4032
40	1 1/2"	DIN PN 25/40	38	Steel	Steel	4.50	FLMGP4038
50	2"	DIN PN 25/40	50	Steel	Steel	5.80	FLMGP4050



Swivel flange: DIN 2673 PN 10, DIN 2674 PN 16, DIN 2527 PN 25 and DIN 2527 PN 40
ASTM / A 182/ ANSI B16.5, ASA 150 lbs, ASA 300 lbs

Assembly: RKS steam clamps complying with EN 14423 / DIN 2826

SS = Stainless steel AISI 316 - EN 1.4401

Steel = galvanized steel

STEAM COUPLINGS



SWIVEL STEAM FLANGE

ND	Inch	Flange pressure class	For hose mm	Material hose shank	Material flange	Weight/pc kg	Reference
15	1/2"	DIN PN 25/40	13	SS	SS	1.24	RRFLMGP4013
20	3/4"	DIN PN 25/40	19	SS	SS	1.77	RRFLMGP4019
25	1"	DIN PN 25/40	25	SS	SS	2.32	RRFLMGP4025
32	1 1/4"	DIN PN 25/40	32	SS	SS	3.10	RRFLMGP4032
40	1 1/2"	DIN PN 25/40	38	SS	SS	4.20	RRFLMGP4038
50	2"	DIN PN 25/40	50	SS	SS	5.80	RRFLMGP4050



15	1/2"	DIN PN 25/40	13	SS	Steel	1.44	RSFLMGP4013
20	3/4"	DIN PN 25/40	19	SS	Steel	1.97	RSFLMGP4019
25	1"	DIN PN 25/40	25	SS	Steel	2.52	RSFLMGP4025
32	1 1/4"	DIN PN 25/40	32	SS	Steel	3.40	RSFLMGP4032
40	1 1/2"	DIN PN 25/40	38	SS	Steel	4.51	RSFLMGP4038
50	2"	DIN PN 25/40	50	SS	Steel	5.80	RSFLMGP4050



15	1/2"	ASTM 150 lbs	13	Steel	Steel	1.00	FLMGA1013
20	3/4"	ASTM 150 lbs	19	Steel	Steel	1.32	FLMGA1019
25	1"	ASTM 150 lbs	25	Steel	Steel	1.88	FLMGA1025
32	1 1/4"	ASTM 150 lbs	32	Steel	Steel	2.50	FLMGA1032
40	1 1/2"	ASTM 150 lbs	38	Steel	Steel	3.75	FLMGA1038
50	2"	ASTM 150 lbs	50	Steel	Steel	5.10	FLMGA1050



15	1/2"	ASTM 300 lbs	13	Steel	Steel	1.60	FLMGA3013
20	3/4"	ASTM 300 lbs	19	Steel	Steel	2.02	FLMGA3019
25	1"	ASTM 300 lbs	25	Steel	Steel	2.68	FLMGA3025
32	1 1/4"	ASTM 300 lbs	32	Steel	Steel	3.25	FLMGA3032
40	1 1/2"	ASTM 300 lbs	38	Steel	Steel	4.90	FLMGA3038
50	2"	ASTM 300 lbs	50	Steel	Steel	5.90	FLMGA3050



Swivel flange: DIN 2673 PN 10, DIN 2674 PN 16, DIN 2527 PN 25 and DIN 2527 PN 40

ASTM / A 182/ ANSI B16.5, ASA 150 lbs, ASA 300 lbs

Assembly: RKS steam clamps complying with EN 14423 / DIN 2826

SS = Stainless steel AISI 316 - EN 1.4401

Steel = galvanized steel



STEAM COUPLINGS

FIXED STEAM FLANGE

ND	Inch	Flange pressure class	For hose mm	Material flange	Weight/pc kg	Reference
15	1/2"	DIN PN 10/16	13	Steel	0.77	FVMG013
20	3/4"	DIN PN 10/16	19	Steel	1.20	FVMG019
25	1"	DIN PN 10/16	25	Steel	1.32	FVMG025
32	1 1/4"	DIN PN 10/16	32	Steel	1.98	FVMG032
40	1 1/2"	DIN PN 10/16	38	Steel	2.40	FVMG038
50	2"	DIN PN 10/16	50	Steel	3.22	FVMG050

15	1/2"	DIN PN 10/16	13	SS	0.79	RFVMG013
20	3/4"	DIN PN 10/16	19	SS	1.24	RFVMG019
25	1"	DIN PN 10/16	25	SS	1.47	RFVMG025
32	1 1/4"	DIN PN 10/16	32	SS	2.02	RFVMG032
40	1 1/2"	DIN PN 10/16	38	SS	3.10	RFVMG038
50	2"	DIN PN 10/16	50	SS	3.51	RFVMG050

15	1/2"	DIN PN 25/40	13	Steel	0.87	FVMGP4013
20	3/4"	DIN PN 25/40	19	Steel	1.30	FVMGP4019
25	1"	DIN PN 25/40	25	Steel	1.52	FVMGP4025
32	1 1/4"	DIN PN 25/40	32	Steel	2.18	FVMGP4032
40	1 1/2"	DIN PN 25/40	38	Steel	2.90	FVMGP4038
50	2"	DIN PN 25/40	50	Steel	3.52	FVMGP4050



Fixed flange: DIN 2632 PN 10, DIN 2633 PN 16, DIN 2634 PN 25 and DIN 2635 PN 40

ASTM / A 182/ ANSI B16.5, ASA 150 lbs, ASA 300 lbs

Assembly: RKS steam clamps complying with EN 14423 / DIN 2826

SS = Stainless steel AISI 316 - EN 1.4401

Steel = galvanized steel

STEAM COUPLINGS



FIXED STEAM FLANGE

ND	Inch	Flange pressure class	For hose mm	Material flange	Weight/pc kg	Reference
15	1/2"	DIN PN 25/40	13	SS	0.87	RFVMG4013
20	3/4"	DIN PN 25/40	19	SS	1.34	RFVMG4019
25	1"	DIN PN 25/40	25	SS	1.67	RFVMG4025
32	1 1/4"	DIN PN 25/40	32	SS	2.62	RFVMG4032
40	1 1/2"	DIN PN 25/40	38	SS	3.10	RFVMG4038
50	2"	DIN PN 25/40	50	SS	3.81	RFVMG4050

15	1/2"	ASTM 150 lbs	13	Steel	1.07	FVMGA1013
20	3/4"	ASTM 150 lbs	19	Steel	1.10	FVMGA1019
25	1"	ASTM 150 lbs	25	Steel	1.62	FVMGA1025
32	1 1/4"	ASTM 150 lbs	32	Steel	1.78	FVMGA1032
40	1 1/2"	ASTM 150 lbs	38	Steel	2.30	FVMGA1038
50	2"	ASTM 150 lbs	50	Steel	3.42	FVMGA1050

15	1/2"	ASTM 300 lbs	13	Steel	1.07	FVMGA3013
20	3/4"	ASTM 300 lbs	19	Steel	1.60	FVMGA3019
25	1"	ASTM 300 lbs	25	Steel	2.02	FVMGA3025
32	1 1/4"	ASTM 300 lbs	32	Steel	2.68	FVMGA3032
40	1 1/2"	ASTM 300 lbs	38	Steel	3.70	FVMGA3038
50	2"	ASTM 300 lbs	50	Steel	4.82	FVMGA3050



Fixed flange: DIN 2632 PN 10, DIN 2633 PN 16, DIN 2634 PN 25 and DIN 2635 PN 40

ASTM / A 182/ ANSI B16.5, ASA 150 lbs, ASA 300 lbs

Assembly: RKS steam clamps complying with EN 14423 / DIN 2826

Stainless steel AISI 316 - EN 1.4401

Steel = galvanized steel

STEAM COUPLINGS



THREAD SEAL - novatec® PREMIUM II

ND	Inch	Material	OD Ø mm	ID Ø mm	Height / mm	Weight/pc Kg	Reference
15	1/2"	novatec® PREMIUM II	20.0	13.0	2.0	0.001	XRVSN013
20	3/4"	novatec® PREMIUM II	26.0	18.0	2.0	0.001	XRVSN019
25	1"	novatec® PREMIUM II	33.0	23.0	2.0	0.002	XRVSN025
32	1.1/4"	novatec® PREMIUM II	42.0	33.0	2.0	0.002	XRVSN032
38	1.1/2"	novatec® PREMIUM II	48.0	38.0	2.0	0.002	XRVSN038
50	2"	novatec® PREMIUM II	60.0	49.0	2.0	0.003	XRVSN050



THREAD SEAL - PTFE

ND	Inch	Material	OD Ø mm	ID Ø mm	Height / mm	Weight/pc Kg	Reference
15	1/2"	PTFE	20.0	13.0	1.5	0.001	X2RP013
20	3/4"	PTFE	26.0	19.0	1.5	0.001	X2RP020
25	1"	PTFE	33.0	24.0	2.0	0.002	X2RP025
32	1.1/4"	PTFE	42.0	33.0	2.0	0.002	X2RP032
38	1.1/2"	PTFE	48.0	39.0	2.0	0.003	X2RP038
50	2"	PTFE	60.0	49.0	2.0	0.005	X2RP050



novatec® PREMIUM II with para-aramid fibre (KEVLAR®) for brass and steel steam couplings
 PTFE for stainless steel steam couplings, tolerances complying with EN 14420-5
 novatec® PREMIUM II is a registered trademark of Frenzelit; KEVLAR® is a registered trademark of Dupont Dow Elastomers

STEAM COUPLINGS



RAISED FACE GASKET FOR EN / DIN FLANGE - novatec® PREMIUM II WITH KEVLAR®

ND	DIN	OD Ø mm	ID Ø mm	Height mm	Colour	Reference
15	PN 10/40	51.0	22.0	2.0	Blue	FXN013DINRF
20	PN 10/40	61.0	27.0	2.0	Blue	FXN019DINRF
25	PN 10/40	71.0	34.0	2.0	Blue	FXN025DINRF
32	PN 10/40	82.0	43.0	2.0	Blue	FXN032DINRF
40	PN 10/40	92.0	49.0	2.0	Blue	FXN038DINRF
50	PN 10/40	107.0	61.0	2.0	Blue	FXN050DINRF



RAISED FACE SEAL FOR ANSI FLANGE - novatec® PREMIUM II WITH KEVLAR®

ND	ANSI	OD Ø mm	ID Ø mm	Height mm	Colour	Reference
1/2"	ASA 150lbs	47.5	22.0	2.0	Blue	FXN013A1RF
3/4"	ASA 150lbs	57.0	27.0	2.0	Blue	FXN019A1RF
1"	ASA 150lbs	66.5	34.0	2.0	Blue	FXN025A1RF
1.1/4"	ASA 150lbs	76.0	43.0	2.0	Blue	FXN032A1RF
1.1/2"	ASA 150lbs	85.5	49.0	2.0	Blue	FXN038A1RF
2"	ASA 150lbs	104.5	61.0	2.0	Blue	FXN050A1RF



novatec® PREMIUM II is a registered trademark of Frenzelit
 KEVLAR® is a registered trademark of Dupont Dow Elastomers
 Seal colour is subject to change without prior notice

STEAM COUPLINGS



RKS STEAM CLAMPS EN 14423 / DIN 2826

For hose mm	OD hose min-max mm	Material	Width mm	Height mm	Nuts and bolts		Weight kg	Reference
					Quantity	Thread Metric		
13 x 6	24 - 26	Brass	53	65	4	M6	0.33	RKS013
19 x 7	32 - 34	Brass	68	65	4	M8	0.50	RKS019
25 x 7.5	39 - 41	Brass	77	65	4	M8	0.58	RKS025
32 x 8	47 - 50	Brass	86	75	4	M8	0.72	RKS032
38 x 8	53 - 56	Brass	101	90	4	M10	1.30	RKS038
50 x 9	67 - 69	Brass	111	100	4	M10	1.58	RKS050



Material: Brass

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

For hose mm	OD hose min-max mm	Material	Width mm	Height mm	Nuts and bolts		Weight kg	Reference
					Quantity	Thread Metric		
13 x 6	24 - 26	SS	53	65	4	M6	0.31	RKSR013
19 x 7	32 - 34	SS	68	65	4	M8	0.46	RKSR019
25 x 7.5	39 - 41	SS	77	65	4	M8	0.53	RKSR025
32 x 8	47 - 50	SS	86	75	4	M8	0.78	RKSR032
38 x 8	53 - 56	SS	101	90	4	M10	1.1	RKSR038
50 x 9	67 - 69	SS	111	100	4	M10	1.29	RKSR050



Material: stainlesssteel AISI 316 - EN 1.4401

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