

Non-fat Connections, LAT

① Rotulex System

This flexible connection (patented by Sovirel) consists of 2 semi-spherical mating pieces which are held together by means of tongs or flanges. Between the connections is an elastic and inert silicone rubber seal with PTFE coating, or a Viton seal.

Technical data:

Operating temperature:	max. 200 to 250°C
Pressure resistance:	0.5 to 6 bar, according to size and accessory (tongs or flanges)
Dynam. vacuum strength:	10 ⁻⁴ Torr with composite seal, 10 ⁻² Torr with Viton seal

② Connical mating pieces (without sealing ring)

Type Rotulex	Ball outer Ø mm	Tubing I.D. mm	Tubing O.D. mm	Overall L mm	Order No.
13/5	13	5	8	150	13 20 69152
19/9	19	9	12	150	13 20 69153
29/15	29	15	18	150	13 20 69154
35/20	35	20	24	150	13 20 69155
41/25	41	25	28	150	13 20 69156
64/40	64	40	44	150	13 20 69158

③ Spherical mating pieces

Type Rotulex	Ball outer Ø mm	Tubing I.D. mm	Tubing O.D. mm	Overall L mm	Order No.
13/5	13	5	8	150	13 20 69205
19/9	19	9	12	150	13 20 69209
29/15	29	15	18	150	13 20 69215
35/20	35	20	24	150	13 20 69220
41/25	41	25	28	150	13 20 69225
64/40	64	40	44	150	13 20 69240

Clamps

To hold the mating pieces together you can use either articulated tongs with spring and a locking pin, or a separable pair of flanges.

④ Articulated tongs with spring

Made completely of rust-proof steel 18 × 8. Packed one to a plastic bag.

Type Rotulex	Order No.
13/5	13 20 69022
19/9	13 20 69023
29/15	13 20 69024
35/20	13 20 69025
41/25	13 20 69026

⑤ Flange brackets

Consisting of 2 flanges, 2 collar pieces and 3 screw bolts.

Type Rotulex	Order No.
29/15	13 20 69064
41/25	13 20 69066
64/40	13 20 69068

⑥ Flange brackets

Type Rotulex	Material	Order No.
13/5	Silicone rubber and PTFE	13 20 69002
19/9	Silicone rubber and PTFE	13 20 69003
29/15	Silicone rubber and PTFE	13 20 69004
35/20	Silicone rubber and PTFE	13 20 69005
41/25	Silicone rubber and PTFE	13 20 69006
64/40	Silicone rubber and PTFE	13 20 69008
13/5	Viton	13 20 69012
19/9	Viton	13 20 69013
29/15	Viton	13 20 69014
35/20	Viton	13 20 69015
41/25	Viton	13 20 69016
64/40	Viton	13 20 69018

