

# RKL HL / RKL HS

Pipe coupling (loose)

## Properties

|                           |  |
|---------------------------|--|
| <b>Application</b>        | Automotive engineering                       |
| <b>Connection 1</b>       | metric cylindrical outer thread              |
| <b>Sealing form 1</b>     | 24° inner cone                               |
| <b>Residual pressure:</b> | Coupling under residual pressure is possible |
| <b>Material</b>           | Steel  |
| <b>Surface</b>            | electro galvanised                           |



## Note

Size 5 with hand wheel

## Description

Pipe couplings are designed for high pressures and pressure pulses.

## Ordering information

Other pressure and temperature figures available on request.

## Additional information

Flat seal tappets ensure minimal oil leakages and air admittance when coupling.

## Item

| Identification | DN* | Series | for external pipe Ø (mm) | Connecting thread | Size | Coupling thread | Operating pressure (bar) | SF coup.* | Mineral oil temp. min. (°C) | Mineral oil temp. max. (°C) |
|----------------|-----|--------|--------------------------|-------------------|------|-----------------|--------------------------|-----------|-----------------------------|-----------------------------|
| RKL 06 HL 1    | 6   | L      | 8                        | M 14x1,5          | 1    | Rd. 32 x 3      | 315,0                    | 4,0       | -25                         | 85                          |
| RKL 08 HL 1    | 8   | L      | 10                       | M 16x1,5          | 1    | Rd. 32 x 3      | 315,0                    | 4,0       | -25                         | 85                          |
| RKL 10 HL 1    | 10  | L      | 12                       | M 18x1,5          | 1    | Rd. 32 x 3      | 315,0                    | 4,0       | -25                         | 85                          |
| RKL 13 HL 1    | 12  | L      | 15                       | M 22x1,5          | 1    | Rd. 32 x 3      | 315,0                    | 4,0       | -25                         | 85                          |
| RKL 13 HL 2    | 12  | L      | 15                       | M 22x1,5          | 2    | Rd. 36x3        | 300,0                    | 4,0       | -25                         | 85                          |
| RKL 13 HL 3    | 12  | L      | 15                       | M 22x1,5          | 3    | Rd. 48 x 3      | 300,0                    | 3,5       | -25                         | 100                         |
| RKL 16 HL 3    | 16  | L      | 18                       | M 26x1,5          | 3    | Rd. 48 x 3      | 300,0                    | 3,5       | -25                         | 100                         |
| RKL 16 HL 4    | 16  | L      | 18                       | M 26x1,5          | 4    | Rd. 54 x 4      | 300,0                    | 3,5       | -25                         | 85                          |
| RKL 20 HL 4    | 19  | L      | 22                       | M 30x2            | 4    | Rd. 54 x 4      | 160,0                    | 4,0       | -25                         | 85                          |
| RKL 20 HL 5    | 19  | L      | 22                       | M 30x2            | 5    | Rd. 60 x 3      | 160,0                    | 4,0       | -40                         | 100                         |
| RKL 25 HL 4    | 25  | L      | 28                       | M 36x2            | 4    | Rd. 54 x 4      | 160,0                    | 4,0       | -25                         | 85                          |
| RKL 25 HL 5    | 25  | L      | 28                       | M 36x2            | 5    | Rd. 60 x 3      | 160,0                    | 4,0       | -40                         | 100                         |
| RKL 32 HL 6    | 31  | L      | 35                       | M 45x2            | 6    | Rd. 79 x 4      | 160,0                    | 4,0       | -25                         | 85                          |
|                |     |        |                          |                   |      |                 |                          |           |                             |                             |
| RKL 06 HS 1    | 6   | S      | 10                       | M 18x1,5          | 1    | Rd. 32 x 3      | 400,0                    | 4,0       | -25                         | 85                          |
| RKL 08 HS 1    | 8   | S      | 12                       | M 20x1,5          | 1    | Rd. 32 x 3      | 400,0                    | 4,0       | -25                         | 85                          |
| RKL 10 HS 1    | 10  | S      | 14                       | M 22x1,5          | 1    | Rd. 32 x 3      | 400,0                    | 4,0       | -25                         | 85                          |
| RKL 13 HS 2    | 12  | S      | 16                       | M 24x1,5          | 2    | Rd. 36x3        | 300,0                    | 4,0       | -25                         | 85                          |
| RKL 13 HS 3    | 12  | S      | 16                       | M 24x1,5          | 3    | Rd. 48 x 3      | 300,0                    | 3,5       | -25                         | 100                         |
| RKL 16 HS 3    | 16  | S      | 20                       | M 30x2            | 3    | Rd. 48 x 3      | 300,0                    | 3,5       | -25                         | 100                         |
| RKL 16 HS 4    | 16  | S      | 20                       | M 30x2            | 4    | Rd. 54 x 4      | 300,0                    | 3,5       | -25                         | 85                          |
| RKL 20 HS 4    | 19  | S      | 25                       | M 36x2            | 4    | Rd. 54 x 4      | 300,0                    | 3,5       | -25                         | 85                          |
| RKL 20 HS 5    | 19  | S      | 25                       | M 36x2            | 5    | Rd. 60 x 3      | 160,0                    | 4,0       | -40                         | 100                         |
| RKL 25 HS 4    | 25  | S      | 30                       | M 42x2            | 4    | Rd. 54 x 4      | 300,0                    | 3,5       | -25                         | 85                          |
| RKL 25 HS 5    | 25  | S      | 30                       | M 42x2            | 5    | Rd. 60 x 3      | 160,0                    | 4,0       | -40                         | 100                         |
| RKL 32 HS 6    | 31  | S      | 38                       | M 52x2            | 6    | Rd. 79 x 4      | 420,0                    | 2,5       | -25                         | 85                          |

DN = Nominal diameter, nominal width – SF gek. = Safety factor coupled

## Accessories

|                        |                         |
|------------------------|-------------------------|
| <b>SK ZUB GEHAEUSE</b> | Dust protection housing |
| <b>RKL ZUBS</b>        | Blanking screw          |



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## Spare parts

|                       |                                   |
|-----------------------|-----------------------------------|
| <b>RKL STUETZRING</b> | Support ring for<br>pipe coupling |
| <b>RKL ORING</b>      | O-ring                            |
| <b>RKL DICHTUNG</b>   | Sealing washer                    |