

# AKL HL / AKL HS

## Breakaway 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>Properties</b>             | DN 19 + 25 with hand wheel                   |
| <b>Mineral oil temp. min.</b> | -40 °C                                       |
| <b>Mineral oil temp. max.</b> | 100 °C                                       |
| <b>Material</b>               | Steel  |
| <b>Surface</b>                | electro galvanised                           |



### Description

Quick release couplings uncouple automatically under excessive tensile load, preventing separation of the hose lines.

### Additional information

Flat seal tappets ensure minimal oil leakages and air admittance when coupling.  
The robust construction makes them ideal for use in harsh conditions.

| Item | Identification | DN* | Series | for external pipe Ø<br>(mm) | Connecting thread | Size | Coupling thread | Operating pressure<br>(bar) | BD* uncoup.<br>(bar) | SF coup.* |
|------|----------------|-----|--------|-----------------------------|-------------------|------|-----------------|-----------------------------|----------------------|-----------|
|      | AKL 06 HL 1    | 6   | L      | 8                           | M 14x1,5          | 1    | Rd. 32 x 3      | 315,0                       | 250                  | 4,0       |
|      | AKL 08 HL 1    | 8   | L      | 10                          | M 16x1,5          | 1    | Rd. 32 x 3      | 315,0                       | 250                  | 4,0       |
|      | AKL 10 HL 1    | 10  | L      | 12                          | M 18x1,5          | 1    | Rd. 32 x 3      | 315,0                       | 250                  | 4,0       |
|      | AKL 13 HL 3    | 12  | L      | 15                          | M 22x1,5          | 3    | Rd. 48 x 3      | 315,0                       | 250                  | 4,0       |
|      | AKL 16 HL 3    | 16  | L      | 18                          | M 26x1,5          | 3    | Rd. 48 x 3      | 315,0                       | 250                  | 4,0       |
|      | AKL 08 HS 1    | 8   | S      | 12                          | M 20x1,5          | 1    | Rd. 32 x 3      | 315,0                       | 250                  | 4,0       |
|      | AKL 10 HS 1    | 10  | S      | 14                          | M 22x1,5          | 1    | Rd. 32 x 3      | 315,0                       | 250                  | 4,0       |
|      | AKL 13 HS 3    | 12  | S      | 16                          | M 24x1,5          | 3    | Rd. 48 x 3      | 315,0                       | 250                  | 4,0       |
|      | AKL 16 HS 3    | 16  | S      | 20                          | M 30x2            | 3    | Rd. 48 x 3      | 315,0                       | 250                  | 4,0       |
|      | AKL 20 HS 5    | 19  | S      | 25                          | M 36x2            | 5    | Rd. 60 x 3      | 160,0                       | 100                  | 4,0       |
|      | AKL 25 HS 5    | 25  | S      | 30                          | M 42x2            | 5    | Rd. 60 x 3      | 160,0                       | 100                  | 4,0       |

DN = Nominal diameter, nominal width – BD uncoup. = Operating pressure uncoupled – SF gek. = Safety factor coupled

### Accessories

AKL ZUB DOSE Dust protection container

### Spare parts

AKL ZUB BLINDSTUTZEN Dummy sockets for breakaway coupling