

# AKF HL / AKF HS

## Breakaway coupling (fixed)

### Properties

Application	Automotive engineering
Connection 1	metric cylindrical outer thread
Sealing form 1	24° inner cone
Residual pressure:	Coupling under residual pressure is possible
Mineral oil temp. min.	-40 °C
Mineral oil temp. max.	100 °C
Material	Steel coupling, steel housing, malleable cast iron above DN 12.
Surface	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 (mm)	Connecting thread	Size	Coupling thread	Operating pressure (bar)	BD* uncoup. (bar)	SF coup.*
AKF 08 HL 1	8	L	10	M 16x1,5	1	Rd. 32 x 3	315,0	250	4,0
AKF 10 HL 1	10	L	12	M 18x1,5	1	Rd. 32 x 3	315,0	250	4,0
AKF 13 HL 3	12	L	15	M 22x1,5	3	Rd. 48 x 3	315,0	250	4,0
AKF 16 HL 3	16	L	18	M 26x1,5	3	Rd. 48 x 3	315,0	250	4,0
AKF 20 HL 5	19	L	22	M 30x2	5	Rd. 60 x 3	160,0	160	4,0
AKF 06 HS 1	6	S	10	M 18x1,5	1	Rd. 32 x 3	315,0	250	4,0
AKF 08 HS 1	8	S	12	M 20x1,5	1	Rd. 32 x 3	315,0	250	4,0
AKF 10 HS 1	10	S	14	M 22x1,5	1	Rd. 32 x 3	315,0	250	4,0
AKF 13 HS 3	12	S	16	M 24x1,5	3	Rd. 48 x 3	315,0	250	4,0
AKF 16 HS 3	16	S	20	M 30x2	3	Rd. 48 x 3	315,0	250	4,0
AKF 20 HS 5	19	S	25	M 36x2	5	Rd. 60 x 3	160,0	160	4,0
AKF 25 HS 5	25	S	30	M 42x2	5	Rd. 60 x 3	160,0	160	4,0

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

### Accessories

AKF ZUB GEHAEUSE Dust protection housing

### Spare parts

AKF ZUB HUELSE Spring sleeve for breakaway coupling

AKF ZUB FEDER Spring for breakaway coupling