

# SKFS HL / SKFS HS

## Screw coupling (fixed)

### Properties

|                           |   |
|---------------------------|---|
| <b>Application</b>        | General application, e.g. in industry, construction machinery, agricultural technology etc. |
| <b>Design</b>             | Coupling with bulkhead connection   |
| <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  |



### Description

Screw couplings are designed for high pressures and pressure pulses. It is recommended to combine only couplings same manufacturer.

### Ordering information

Other pressure and temperature figures available on request.

### Additional information

If fitted correctly, the screw sleeve completely covers the brake ring. The self-locking thread prevents unwanted loosening due to vibrations. The robust construction makes them ideal for use in harsh conditions.

### Item

| Identification | Size | DN* | Series | for external pipe Ø (mm) | Connecting thread | Coupling thread | Operating pressure (bar) | Mineral oil temp. min. (°C) | Mineral oil temp. max. (°C) | SF coup.* |
|----------------|------|-----|--------|--------------------------|-------------------|-----------------|--------------------------|-----------------------------|-----------------------------|-----------|
| SKFS 04 HL 1   | 1    | 4   | L      | 6                        | M 12x1,5          | Rd. 24 x 2      | 315,0                    | -25                         | 100                         | 4         |
| SKFS 06 HL 1   | 1    | 6   | L      | 8                        | M 14x1,5          | Rd. 24 x 2      | 315,0                    | -30                         | 100                         | 4         |
| SKFS 06 HL 2   | 2    | 6   | L      | 8                        | M 14x1,5          | Rd. 28 x 2      | 315,0                    | -30                         | 100                         | 4         |
| SKFS 06 HL 3   | 3    | 6   | L      | 8                        | M 14x1,5          | Rd. 36 x 2      | 300,0                    | -30                         | 100                         | 4         |
| SKFS 08 HL 2   | 2    | 8   | L      | 10                       | M 16x1,5          | Rd. 28 x 2      | 315,0                    | -30                         | 100                         | 4         |
| SKFS 08 HL 3   | 3    | 8   | L      | 10                       | M 16x1,5          | Rd. 36 x 2      | 300,0                    | -30                         | 100                         | 4         |
| SKFS 10 HL 3   | 3    | 10  | L      | 12                       | M 18x1,5          | Rd. 36 x 2      | 300,0                    | -30                         | 100                         | 4         |
| SKFS 10 HL 4   | 4    | 10  | L      | 12                       | M 18x1,5          | Rd. 42 x 2      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 13 HL 3   | 3    | 12  | L      | 15                       | M 22x1,5          | Rd. 36 x 2      | 300,0                    | -30                         | 100                         | 4         |
| SKFS 13 HL 4   | 4    | 12  | L      | 15                       | M 22x1,5          | Rd. 42 x 2      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 16 HL 3   | 3    | 16  | L      | 18                       | M 26x1,5          | Rd. 36 x 2      | 300,0                    | -30                         | 100                         | 4         |
| SKFS 16 HL 4   | 4    | 16  | L      | 18                       | M 26x1,5          | Rd. 42 x 2      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 16 HL 5   | 5    | 16  | L      | 18                       | M 26x1,5          | Rd. 48 x 3      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 20 HL 5   | 5    | 19  | L      | 22                       | M 30x2            | Rd. 48 x 3      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 25 HL 5   | 5    | 25  | L      | 28                       | M 36x2            | Rd. 48 x 3      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 32 HL 6   | 6    | 31  | L      | 35                       | M 45x2            | Rd. 70 x 3      | 160,0                    | -25                         | 100                         | 4         |
| SKFS 40 HL 6   | 6    | 38  | L      | 42                       | M 52x2            | Rd. 70 x 3      | 160,0                    | -25                         | 100                         | 4         |
| SKFS 04 HS 1   | 1    | 4   | S      | 8                        | M 16x1,5          | Rd. 24 x 2      | 400,0                    | -25                         | 100                         | 4         |
| SKFS 06 HS 2   | 2    | 6   | S      | 10                       | M 18x1,5          | Rd. 28 x 2      | 325,0                    | -30                         | 100                         | 4         |
| SKFS 06 HS 3   | 3    | 6   | S      | 10                       | M 18x1,5          | Rd. 36 x 2      | 300,0                    | -30                         | 100                         | 4         |
| SKFS 08 HS 2   | 2    | 8   | S      | 12                       | M 20x1,5          | Rd. 28 x 2      | 325,0                    | -30                         | 100                         | 4         |
| SKFS 08 HS 3   | 3    | 8   | S      | 12                       | M 20x1,5          | Rd. 36 x 2      | 300,0                    | -30                         | 100                         | 4         |
| SKFS 10 HS 3   | 3    | 10  | S      | 14                       | M 22x1,5          | Rd. 36 x 2      | 300,0                    | -30                         | 100                         | 4         |
| SKFS 10 HS 4   | 4    | 10  | S      | 14                       | M 22x1,5          | Rd. 42 x 2      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 13 HS 3   | 3    | 12  | S      | 16                       | M 24x1,5          | Rd. 36 x 2      | 300,0                    | -30                         | 100                         | 4         |
| SKFS 13 HS 4   | 4    | 12  | S      | 16                       | M 24x1,5          | Rd. 42 x 2      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 16 HS 4   | 4    | 16  | S      | 20                       | M 30x2            | Rd. 42 x 2      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 16 HS 5   | 5    | 16  | S      | 20                       | M 30x2            | Rd. 48 x 3      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 20 HS 5   | 5    | 19  | S      | 25                       | M 36x2            | Rd. 48 x 3      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 25 HS 5   | 5    | 25  | S      | 30                       | M 42x2            | Rd. 48 x 3      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 25 HS 6   | 6    | 25  | S      | 30                       | M 42x2            | Rd. 70 x 3      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 32 HS 5   | 5    | 31  | S      | 38                       | M 52x2            | Rd. 48 x 3      | 250,0                    | -30                         | 100                         | 4         |
| SKFS 32 HS 6   | 6    | 31  | S      | 38                       | M 52x2            | Rd. 70 x 3      | 250,0                    | -30                         | 100                         | 4         |



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## Accessories

|                    |                         |
|--------------------|-------------------------|
| <b>SKF ZUBS</b>    | Dust protection for SKF |
| <b>SKF ZUBS AL</b> | Cap                     |

## Spare parts

|                       |                               |
|-----------------------|-------------------------------|
| <b>SKF BREMSRING</b>  | Brake ring for screw coupling |
| <b>SKF STUETZRING</b> | Support ring for SKF          |
| <b>SKF ORING</b>      | O-ring for SKF                |