

SKF HL / SKF HS

Screw coupling (fixed)

Properties

| | |
|---------------------------|---|
| Application | General application, e.g. in industry, construction machinery, agricultural technology etc. |
| Connection 1 | metric cylindrical outer thread |
| Sealing form 1 | 24° inner cone |
| Residual pressure: | Coupling under residual pressure is possible |
| Material | Steel |
| Surface | 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. It is recommended to combine only couplings same manufacturer.

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.* |
|----------------|------|-----|--------|--------------------------|-------------------|-----------------|--------------------------|-----------------------------|-----------------------------|-----------|
| SKF 04 HL 1 | 1 | 4 | L | 6 | M 12x1,5 | Rd. 24 x 2 | 315,0 | -25 | 100 | 4 |
| SKF 06 HL 1 | 1 | 6 | L | 8 | M 14x1,5 | Rd. 24 x 2 | 315,0 | -30 | 100 | 4 |
| SKF 06 HL 2 | 2 | 6 | L | 8 | M 14x1,5 | Rd. 28 x 2 | 315,0 | -30 | 100 | 4 |
| SKF 06 HL 3 | 3 | 6 | L | 8 | M 14x1,5 | Rd. 36 x 2 | 300,0 | -30 | 100 | 4 |
| SKF 08 HL 2 | 2 | 8 | L | 10 | M 16x1,5 | Rd. 28 x 2 | 325,0 | -30 | 100 | 4 |
| SKF 08 HL 3 | 3 | 8 | L | 10 | M 16x1,5 | Rd. 36 x 2 | 300,0 | -30 | 100 | 4 |
| SKF 10 HL 3 | 3 | 10 | L | 12 | M 18x1,5 | Rd. 36 x 2 | 300,0 | -30 | 100 | 4 |
| SKF 10 HL 4 | 4 | 10 | L | 12 | M 18x1,5 | Rd. 42 x 2 | 250,0 | -30 | 100 | 4 |
| SKF 13 HL 3 | 3 | 12 | L | 15 | M 22x1,5 | Rd. 36 x 2 | 300,0 | -30 | 100 | 4 |
| SKF 13 HL 4 | 4 | 12 | L | 15 | M 22x1,5 | Rd. 42 x 2 | 250,0 | -30 | 100 | 4 |
| SKF 16 HL 3 | 3 | 16 | L | 18 | M 26x1,5 | Rd. 36 x 2 | 300,0 | -30 | 100 | 4 |
| SKF 16 HL 4 | 4 | 16 | L | 18 | M 26x1,5 | Rd. 42 x 2 | 250,0 | -30 | 100 | 4 |
| SKF 16 HL 5 | 5 | 16 | L | 18 | M 26x1,5 | Rd. 48 x 3 | 250,0 | -30 | 100 | 4 |
| SKF 20 HL 5 | 5 | 19 | L | 22 | M 30x2 | Rd. 48 x 3 | 250,0 | -30 | 100 | 4 |
| SKF 25 HL 5 | 5 | 25 | L | 28 | M 36x2 | Rd. 48 x 3 | 250,0 | -30 | 100 | 4 |
| SKF 32 HL 5 | 5 | 31 | L | 35 | M 45x2 | Rd. 48 x 3 | 250,0 | -30 | 100 | 4 |
| SKF 32 HL 6 | 6 | 31 | L | 35 | M 45x2 | Rd. 70 x 3 | 160,0 | -25 | 100 | 4 |
| SKF 40 HL 6 | 6 | 38 | L | 42 | M 52x2 | Rd. 70 x 3 | 160,0 | -25 | 100 | 4 |
| SKF 04 HS 1 | 1 | 4 | S | 8 | M 16x1,5 | Rd. 24 x 2 | 400,0 | -25 | 100 | 4 |
| SKF 06 HS 1 | 1 | 6 | S | 10 | M 18x1,5 | Rd. 24 x 2 | 450,0 | -25 | 100 | 4 |
| SKF 06 HS 2 | 2 | 6 | S | 10 | M 18x1,5 | Rd. 28 x 2 | 325,0 | -30 | 100 | 4 |
| SKF 06 HS 3 | 3 | 6 | S | 10 | M 18x1,5 | Rd. 36 x 2 | 300,0 | -30 | 100 | 4 |
| SKF 08 HS 2 | 2 | 8 | S | 12 | M 20x1,5 | Rd. 28 x 2 | 325,0 | -30 | 100 | 4 |
| SKF 08 HS 3 | 3 | 8 | S | 12 | M 20x1,5 | Rd. 36 x 2 | 300,0 | -30 | 100 | 4 |
| SKF 10 HS 3 | 3 | 10 | S | 14 | M 22x1,5 | Rd. 36 x 2 | 300,0 | -30 | 100 | 4 |
| SKF 10 HS 4 | 4 | 10 | S | 14 | M 22x1,5 | Rd. 42 x 2 | 250,0 | -30 | 100 | 4 |
| SKF 13 HS 3 | 3 | 12 | S | 16 | M 24x1,5 | Rd. 36 x 2 | 300,0 | -30 | 100 | 4 |
| SKF 13 HS 4 | 4 | 12 | S | 16 | M 24x1,5 | Rd. 42 x 2 | 250,0 | -30 | 100 | 4 |
| SKF 16 HS 3 | 3 | 16 | S | 20 | M 30x2 | Rd. 36 x 2 | 300,0 | -30 | 100 | 4 |
| SKF 16 HS 4 | 4 | 16 | S | 20 | M 30x2 | Rd. 42 x 2 | 250,0 | -30 | 100 | 4 |
| SKF 16 HS 5 | 5 | 16 | S | 20 | M 30x2 | Rd. 48 x 3 | 250,0 | -30 | 100 | 4 |
| SKF 20 HS 5 | 5 | 19 | S | 25 | M 36x2 | Rd. 48 x 3 | 250,0 | -30 | 100 | 4 |



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| 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.* |
| SKF 25 HS 5 | 5 | 25 | S | 30 | M 42x2 | Rd. 48 x 3 | 250,0 | -30 | 100 | 4 |
| SKF 25 HS 6 | 6 | 25 | S | 30 | M 42x2 | Rd. 70 x 3 | 250,0 | -30 | 100 | 4 |
| SKF 32 HS 6 | 6 | 31 | S | 38 | M 52x2 | Rd. 70 x 3 | 250,0 | -30 | 100 | 4 |

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

Accessories

| | |
|-------------|-------------------------|
| SKF ZUBS AL | Cap |
| SKF ZUBS | Dust protection for SKF |

Spare parts

| | |
|----------------|-------------------------------|
| SKF BREMSRING | Brake ring for screw coupling |
| SKF STUETZRING | Support ring for SKF |
| SKF ORING | O-ring for SKF |