

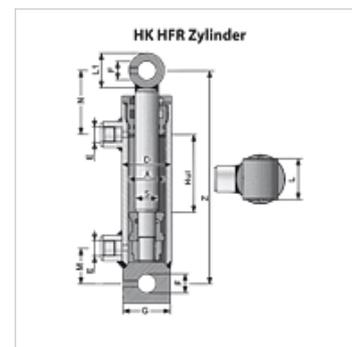
HK HFR2S

Standard double-acting cylinders with fastening

HANSA FLEX

Properties

| | |
|---------------------------|--|
| Design | with attachment elements |
| Operating pressure | max. 200 bar (acc. DIN EN 982) |
| Test pressure | max. 240 bar (acc. DIN EN 982) |
| Temp. range | Standard version -15 °C to +80 °C |
| Media | HLP fluids |
| Material | Piston rod: Steel 20MnV6, Chrome 25 µm ±/ - 5 Piston rod: Resistance for 120 h in the NSS test according to ISO 3768 Piston rod guide: Steel 9SMn28 Oil filler neck: Steel 9SMn28 Polished cylinder barrel: ST 52.3 DIN 2393-ISO H9 Cylinder base: FE 510-A105 Nut: Steel 8UNI EN20898/2 Gasket TPM: NBR Piston: Steel 9SMn28 Gasket OR: NBR Fluorosil Viton Gasket TSE-TTS-TTI/L: NBR + fabric / polyurethane Gasket GHM-GHK: NBR / polyurethane |



Note

From type HK HFR2S 060 piston safeguard by means of safety bolt

Piston speed based on standard seals: Max. 25m/min - 0.42m/sec.

Piston speed to the end positions: max. 6m/min - 0.10m/sec.

For these standard cylinders, it is recommended not to weld any fastenings to the cylinder liner (e.g. cardan mountings) as this could distort it.

Description

Our hydraulic cylinders and their components are designed for standard applications in industry and agriculture. They can be used only in some circumstances for applications in construction machinery. If this is your intention, please contact our technical personnel. The cylinders conform to the technical specifications in the catalogue or are designed to customers' specifications (approval drawing).

Please observe the stipulations of EN ISO 4413 "Safety requirements for fluid power systems and their components" as well as specifications and safety requirements based on statutory regulations when selecting, installing and operating the cylinders.

Item

| Identification | Ø D (mm) | Ø A (mm) | Ø S (mm) | Stroke (mm) | Z (mm) | Ø E (mm) | M (mm) | N (mm) | L (mm) | L1 (mm) | Ø F (mm) | G (mm) | Weight (kg) |
|-----------------------|-------------|-------------|-------------|----------------|-----------|-------------|-----------|-----------|-----------|------------|-------------|-----------|----------------|
| HK HFR2S 040 025 0100 | 50 | 40 | 25 | 100 | 270 | 3/8" | 38 | 105 | 40 | 35 | 20,25 | 50 | 3,0 |
| HK HFR2S 040 025 0150 | 50 | 40 | 25 | 150 | 320 | 3/8" | 38 | 105 | 40 | 35 | 20,25 | 50 | 3,4 |
| HK HFR2S 040 025 0200 | 50 | 40 | 25 | 200 | 370 | 3/8" | 38 | 105 | 40 | 35 | 20,25 | 50 | 3,9 |
| HK HFR2S 040 025 0250 | 50 | 40 | 25 | 250 | 420 | 3/8" | 38 | 105 | 40 | 35 | 20,25 | 50 | 4,4 |
| HK HFR2S 040 025 0300 | 50 | 40 | 25 | 300 | 470 | 3/8" | 38 | 105 | 40 | 35 | 20,25 | 50 | 4,8 |
| HK HFR2S 040 025 0400 | 50 | 40 | 25 | 400 | 570 | 3/8" | 38 | 105 | 40 | 35 | 20,25 | 50 | 5,8 |
| HK HFR2S 040 025 0500 | 50 | 40 | 25 | 500 | 670 | 3/8" | 38 | 105 | 40 | 35 | 20,25 | 50 | 6,7 |
| HK HFR2S 040 025 0600 | 50 | 40 | 25 | 600 | 770 | 3/8" | 38 | 105 | 40 | 35 | 20,25 | 50 | 7,6 |
| HK HFR2S 040 025 0700 | 50 | 40 | 25 | 700 | 870 | 3/8" | 38 | 105 | 40 | 35 | 20,25 | 50 | 8,6 |
| HK HFR2S 040 025 0800 | 50 | 40 | 25 | 800 | 970 | 3/8" | 38 | 105 | 40 | 35 | 20,25 | 50 | 9,5 |
| HK HFR2S 050 030 0100 | 60 | 50 | 30 | 100 | 300 | 3/8" | 42 | 128 | 45 | 40 | 25,25 | 60 | 4,4 |
| HK HFR2S 050 030 0150 | 60 | 50 | 30 | 150 | 350 | 3/8" | 42 | 128 | 45 | 40 | 25,25 | 60 | 5,0 |
| HK HFR2S 050 030 0200 | 60 | 50 | 30 | 200 | 400 | 3/8" | 42 | 128 | 45 | 40 | 25,25 | 60 | 5,6 |
| HK HFR2S 050 030 0250 | 60 | 50 | 30 | 250 | 450 | 3/8" | 42 | 128 | 45 | 40 | 25,25 | 60 | 6,2 |
| HK HFR2S 050 030 0300 | 60 | 50 | 30 | 300 | 500 | 3/8" | 42 | 128 | 45 | 40 | 25,25 | 60 | 6,9 |
| HK HFR2S 050 030 0400 | 60 | 50 | 30 | 400 | 600 | 3/8" | 42 | 128 | 45 | 40 | 25,25 | 60 | 8,1 |
| HK HFR2S 050 030 0500 | 60 | 50 | 30 | 500 | 700 | 3/8" | 42 | 128 | 45 | 40 | 25,25 | 60 | 9,3 |
| HK HFR2S 050 030 0600 | 60 | 50 | 30 | 600 | 800 | 3/8" | 42 | 128 | 45 | 40 | 25,25 | 60 | 10,5 |
| HK HFR2S 050 030 0700 | 60 | 50 | 30 | 700 | 900 | 3/8" | 42 | 128 | 45 | 40 | 25,25 | 60 | 11,8 |
| HK HFR2S 050 030 0800 | 60 | 50 | 30 | 800 | 1000 | 3/8" | 42 | 128 | 45 | 40 | 25,25 | 60 | 13,0 |
| HK HFR2S 060 030 0100 | 70 | 60 | 30 | 100 | 300 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 5,6 |
| HK HFR2S 060 030 0150 | 70 | 60 | 30 | 150 | 350 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 6,3 |
| HK HFR2S 060 030 0200 | 70 | 60 | 30 | 200 | 400 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 7,0 |
| HK HFR2S 060 030 0250 | 70 | 60 | 30 | 250 | 450 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 7,7 |
| HK HFR2S 060 030 0300 | 70 | 60 | 30 | 300 | 500 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 8,3 |
| HK HFR2S 060 030 0350 | 70 | 60 | 30 | 350 | 550 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 9,0 |
| HK HFR2S 060 030 0400 | 70 | 60 | 30 | 400 | 600 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 9,7 |



Despite careful checking, we cannot guarantee the accuracy of all information included on this site, and we accept no liability.

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HANSA-FLEX AG

www.hansa-flex.com

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Standard double-acting cylinders with fastening



| Item | | | | | | | | | | | | | |
|-----------------------|-------------|-------------|-------------|----------------|-----------|-------------|-----------|-----------|-----------|------------|-------------|-----------|----------------|
| Identification | Ø D (mm) | Ø A (mm) | Ø S (mm) | Stroke (mm) | Z (mm) | Ø E (mm) | M (mm) | N (mm) | L (mm) | L1 (mm) | Ø F (mm) | G (mm) | Weight (kg) |
| HK HFR2S 060 030 0450 | 70 | 60 | 30 | 450 | 650 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 10,4 |
| HK HFR2S 060 030 0500 | 70 | 60 | 30 | 500 | 700 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 11,0 |
| HK HFR2S 060 030 0600 | 70 | 60 | 30 | 600 | 800 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 12,4 |
| HK HFR2S 060 030 0700 | 70 | 60 | 30 | 700 | 900 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 13,7 |
| HK HFR2S 060 035 0200 | 70 | 60 | 35 | 200 | 400 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 7,5 |
| HK HFR2S 060 035 0300 | 70 | 60 | 35 | 300 | 500 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 9,0 |
| HK HFR2S 060 035 0400 | 70 | 60 | 35 | 400 | 600 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 10,6 |
| HK HFR2S 060 035 0500 | 70 | 60 | 35 | 500 | 700 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 12,1 |
| HK HFR2S 060 035 0600 | 70 | 60 | 35 | 600 | 800 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 13,7 |
| HK HFR2S 060 035 0700 | 70 | 60 | 35 | 700 | 900 | 3/8" | 36 | 133 | 45 | 40 | 25,25 | 70 | 15,2 |
| HK HFR2S 070 040 0200 | 80 | 70 | 40 | 200 | 410 | 3/8" | 46 | 132 | 55 | 50 | 30,25 | 80 | 10,1 |
| HK HFR2S 070 040 0250 | 80 | 70 | 40 | 250 | 460 | 3/8" | 46 | 132 | 55 | 50 | 30,25 | 80 | 11,0 |
| HK HFR2S 070 040 0300 | 80 | 70 | 40 | 300 | 510 | 3/8" | 46 | 132 | 55 | 50 | 30,25 | 80 | 12,0 |
| HK HFR2S 070 040 0350 | 80 | 70 | 40 | 350 | 560 | 3/8" | 46 | 132 | 55 | 50 | 30,25 | 80 | 13,0 |
| HK HFR2S 070 040 0400 | 80 | 70 | 40 | 400 | 610 | 3/8" | 46 | 132 | 55 | 50 | 30,25 | 80 | 13,9 |
| HK HFR2S 070 040 0450 | 80 | 70 | 40 | 450 | 660 | 3/8" | 46 | 132 | 55 | 50 | 30,25 | 80 | 14,9 |
| HK HFR2S 070 040 0500 | 80 | 70 | 40 | 500 | 710 | 3/8" | 46 | 132 | 55 | 50 | 30,25 | 80 | 15,8 |
| HK HFR2S 070 040 0700 | 80 | 70 | 40 | 700 | 910 | 3/8" | 46 | 132 | 55 | 50 | 30,25 | 80 | 19,6 |
| HK HFR2S 070 040 0600 | 80 | 70 | 40 | 600 | 810 | 3/8" | 46 | 132 | 55 | 50 | 30,25 | 80 | 17,7 |
| HK HFR2S 080 040 0200 | 92 | 80 | 40 | 200 | 410 | 3/8" | 42 | 130 | 55 | 50 | 30,25 | 90 | 13,0 |
| HK HFR2S 080 040 0250 | 92 | 80 | 40 | 250 | 460 | 3/8" | 42 | 130 | 55 | 50 | 30,25 | 90 | 14,2 |
| HK HFR2S 080 040 0300 | 92 | 80 | 40 | 300 | 510 | 3/8" | 42 | 130 | 55 | 50 | 30,25 | 90 | 15,3 |
| HK HFR2S 080 040 0350 | 92 | 80 | 40 | 350 | 560 | 3/8" | 42 | 130 | 55 | 50 | 30,25 | 90 | 16,4 |
| HK HFR2S 080 040 0400 | 92 | 80 | 40 | 400 | 610 | 3/8" | 42 | 130 | 55 | 50 | 30,25 | 90 | 17,5 |
| HK HFR2S 080 040 0500 | 92 | 80 | 40 | 500 | 710 | 3/8" | 42 | 130 | 55 | 50 | 30,25 | 90 | 19,8 |
| HK HFR2S 080 040 0600 | 92 | 80 | 40 | 600 | 810 | 3/8" | 42 | 130 | 55 | 50 | 30,25 | 90 | 22,0 |
| HK HFR2S 080 040 0700 | 92 | 80 | 40 | 700 | 910 | 3/8" | 42 | 130 | 55 | 50 | 30,25 | 90 | 24,3 |
| HK HFR2S 100 050 0200 | 115 | 100 | 50 | 200 | 425 | 1/2" | 45 | 141 | 70 | 60 | 30,25 | 115 | 21,5 |
| HK HFR2S 100 050 0300 | 115 | 100 | 50 | 300 | 525 | 1/2" | 45 | 141 | 70 | 60 | 30,25 | 115 | 25,0 |
| HK HFR2S 100 050 0400 | 115 | 100 | 50 | 400 | 625 | 1/2" | 45 | 141 | 70 | 60 | 30,25 | 115 | 28,5 |
| HK HFR2S 100 050 0500 | 115 | 100 | 50 | 500 | 725 | 1/2" | 45 | 141 | 70 | 60 | 30,25 | 115 | 32,0 |
| HK HFR2S 100 050 0700 | 115 | 100 | 50 | 700 | 925 | 1/2" | 45 | 141 | 70 | 60 | 30,25 | 115 | 39,1 |

Ø A = piston diameter – Ø S = piston rod diameter

Accessories

HK GKG 2S Packing set HKGKG2S