HK HFRT

Standard single-acting cylinders with fastening

HANSA-FLEX

Properties

Design	Plunger cylinders 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

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 S (mm)	Stroke (mm)	Z (mm)	Ø E	M (mm)	Ø H (mm)	L (mm)	Ø F (mm)	Ø G (mm)	Weight (kg)
HK HFRT 1 25 100	25	100	190	3/8"	40,00	22	35	14,00	40	1,63
HK HFRT 1 25 150	25	150	240	3/8"	40,00	22	35	14,00	40	2,04
HK HFRT 1 25 200	25	200	290	3/8"	40,00	22	35	14,00	40	2,44
HK HFRT 1 25 250	25	250	340	3/8"	40,00	22	35	14,00	40	2,85
HK HFRT 1 25 300	25	300	390	3/8"	40,00	22	35	14,00	40	3,26
HK HFRT 2 30 200	30	200	300	3/8"	42,00	27	37	16,00	50	3,61
HK HFRT 2 30 250	30	250	350	3/8"	42,00	27	37	16,00	50	4,16
HK HFRT 2 30 300	30	300	400	3/8"	42,00	27	37	16,00	50	4,72
HK HFRT 2 30 350	30	350	450	3/8"	42,00	27	37	16,00	50	5,27
HK HFRT 2 30 400	30	400	500	3/8"	42,00	27	37	16,00	50	5,82
HK HFRT 2 30 550	30	550	650	3/8"	42,00	27	37	16,00	50	7,30
HK HFRT 3 40 200	40	200	330	3/8"	47,00	37	49	23,00	60	6,00
HK HFRT 3 40 250	40	250	380	3/8"	47,00	37	49	23,00	60	6,84
HK HFRT 3 40 300	40	300	430	3/8"	47,00	37	49	23,00	60	7,67
HK HFRT 3 40 350	40	350	480	3/8"	47,00	37	49	23,00	60	8,49
HK HFRT 3 40 400	40	400	530	3/8"	47,00	37	49	23,00	60	9,32
HK HFRT 3 40 550	40	550	680	3/8"	47,00	37	49	23,00	60	11,70
HK HFRT 3 40 700	40	700	830	3/8"	47,00	37	49	23,00	60	14,10
HK HFRT 4 50 300	50	300	460	3/8"	50,00	47	65	25,50	65	11,80
HK HFRT 4 50 400	50	400	560	3/8"	50,00	47	65	25,50	65	14,00
HK HFRT 4 50 550	50	550	710	3/8"	50,00	47	65	25,50	65	17,50
HK HFRT 4 50 700	50	700	860	3/8"	50,00	47	65	25,50	65	21,00

Ø S = piston rod diameter