

### Properties

<b>Design</b>	Plunger cylinders without mounting elements
<b>Operating pressure</b>	max. 200 bar (acc. DIN EN 982)
<b>Test pressure</b>	max. 240 bar (acc. DIN EN 982)
<b>Temp. range</b>	Standard version -15 °C to +80 °C
<b>Media</b>	HLP fluids
<b>Material</b>	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 D (mm)	Ø S (mm)	Stroke (mm)	Z (mm)	C (mm)	T (mm)	E	L1 (mm)	Weight (kg)
HK HT 02 30 0200		50	30	200	326	40,0	256,0	G 3/8"	23	3,64
HK HT 02 30 0250		50	30	250	376	40,0	303,0	G 3/8"	23	4,19
HK HT 02 30 0300		50	30	300	426	40,0	353,0	G 3/8"	23	4,75
HK HT 02 30 0350		50	30	350	476	40,0	403,0	G 3/8"	23	5,31
HK HT 02 30 0400		50	30	400	526	40,0	453,0	G 3/8"	23	5,86
HK HT 02 30 0500		50	30	500	626	40,0	553,0	G 3/8"	23	6,96
HK HT 03 40 0200		60	40	200	338	45,0	258,0	G 3/8"	26	5,64
HK HT 03 40 0300		60	40	300	438	45,0	358,0	G 3/8"	26	7,29
HK HT 03 40 0400		60	40	400	538	45,0	458,0	G 3/8"	26	8,98
HK HT 03 40 0500		60	40	500	638	45,0	558,0	G 3/8"	26	13,00
HK HT 03 40 0600		60	40	600	738	45,0	658,0	G 3/8"	26	12,28
HK HT 04 50 0300		70	50	300	450	50,0	365,0	G 3/8"	30	10,47
HK HT 04 50 0400		70	50	400	550	50,0	465,0	G 3/8"	30	12,86
HK HT 04 50 0500		70	50	500	650	50,0	565,0	G 3/8"	30	15,14
HK HT 04 50 0600		70	50	600	750	50,0	665,0	G 3/8"	30	17,50

Ø S = piston rod diameter