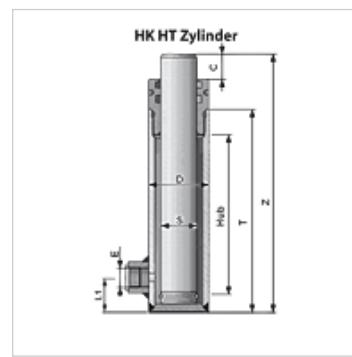


## Properties

<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 ±/- 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)
	<b>HK HT 02 30 0200</b>	50	30	200	326	40,0	256,0	G 3/8"	23	3,64
	<b>HK HT 02 30 0250</b>	50	30	250	376	40,0	303,0	G 3/8"	23	4,19
	<b>HK HT 02 30 0300</b>	50	30	300	426	40,0	353,0	G 3/8"	23	4,75
	<b>HK HT 02 30 0350</b>	50	30	350	476	40,0	403,0	G 3/8"	23	5,31
	<b>HK HT 02 30 0400</b>	50	30	400	526	40,0	453,0	G 3/8"	23	5,86
	<b>HK HT 02 30 0500</b>	50	30	500	626	40,0	553,0	G 3/8"	23	6,96
	<b>HK HT 03 40 0200</b>	60	40	200	338	45,0	258,0	G 3/8"	26	5,64
	<b>HK HT 03 40 0300</b>	60	40	300	438	45,0	358,0	G 3/8"	26	7,29
	<b>HK HT 03 40 0400</b>	60	40	400	538	45,0	458,0	G 3/8"	26	8,98
	<b>HK HT 03 40 0500</b>	60	40	500	638	45,0	558,0	G 3/8"	26	13,00
	<b>HK HT 03 40 0600</b>	60	40	600	738	45,0	658,0	G 3/8"	26	12,28
	<b>HK HT 04 50 0300</b>	70	50	300	450	50,0	365,0	G 3/8"	30	10,47
	<b>HK HT 04 50 0400</b>	70	50	400	550	50,0	465,0	G 3/8"	30	12,86
	<b>HK HT 04 50 0500</b>	70	50	500	650	50,0	565,0	G 3/8"	30	15,14
	<b>HK HT 04 50 0600</b>	70	50	600	750	50,0	665,0	G 3/8"	30	17,50

Ø S = piston rod diameter