

Eigenschaften

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|----------------------|--|
| Ausführung | ohne Befestigungselemente |
| Betriebsdruck | max. 200 bar (nach DIN EN 982) |
| Prüfdruck | max. 240 bar (nach DIN EN 982) |
| Temp. Bereich | Standardausführung -15 °C bis +80 °C |
| Medien | HLP-Fluide |
| Werkstoff | Kolbenstange: Stahl 20MnV6 Chrom 25 Micron +/- 5 Kolbenstange: 120 Std. Beständigkeit im NSS Test nach ISO 3768 Kolbenstangenführung: Stahl 9SMn28 Ölanschlusstützen: Stahl 9SMn28 Poliertes Zylinderrohr: ST 52.3 DIN 2393-ISO H9 Zylinderboden: FE 510-A105 Mutter: Stahl 8UNI EN20898/2 Dichtung TPM: NBR Kolben: Stahl 9SMn28 Dichtung OR: NBR Fluorosil Viton Dichtung TSE-TTS-TTI/L: NBR + Gewebe / Polyurethan Dichtung GHM-GHK: NBR / Polyurethan |



Hinweis

Kolbengeschwindigkeit bezogen auf Standarddichtungen: Max. 25m/min - 0,42m/sec.

Kolbengeschwindigkeit in die Endlagen: Max. 6m/min - 0,10m/sec.

Bei diesen Standardzylindern wird empfohlen, keine Befestigungen am Zylinderrohr (z.B. kardanische Befestigung) anzuschweißen, da sich sonst das Zylinderrohr verziehen kann.

Beschreibung

Unsere Hydraulikzylinder bzw. deren Komponenten sind für Standardanwendungen in Industrie und Landwirtschaft ausgelegt. Für Anwendungen in Baumaschinen sind sie nur bedingt verwendbar. Bitte halten Sie in diesen Fällen Rücksprache mit unserem technischen Personal. Die Zylinder entsprechen den technischen Angaben im Katalog oder sind nach Kundenwunsch (Freigabebezeichnung) konzipiert.

Bitte beachten Sie bei Auswahl, Verarbeitung und Einsatz der Zylinder die Vorgaben der EN ISO 4413 (2011) "Fluidtechnik - Allgemeine Regeln und sicherheitstechnische Anforderungen an Hydraulikanlagen und deren Bauteile" sowie Festlegungen und Sicherheitsanforderungen auf Grund gesetzlicher Vorschriften.

Artikel

| Bezeichnung | Ø D (mm) | Ø A (mm) | Ø S (mm) | Hub (mm) | Z (mm) | C (mm) | E | L (mm) | L1 (mm) | Gewicht (kg) |
|------------------|----------|----------|----------|----------|--------|--------|--------|--------|---------|--------------|
| HK HM 01 20 0100 | 50 | 40 | 20 | 100 | 230 | 22,0 | G 1/4" | 40 | 23 | 2,27 |
| HK HM 01 20 0150 | 50 | 40 | 20 | 150 | 280 | 22,0 | G 1/4" | 40 | 23 | 2,67 |
| HK HM 01 20 0200 | 50 | 40 | 20 | 200 | 330 | 22,0 | G 1/4" | 40 | 23 | 3,05 |
| HK HM 01 20 0250 | 50 | 40 | 20 | 250 | 380 | 22,0 | G 1/4" | 40 | 23 | 3,45 |
| HK HM 01 20 0300 | 50 | 40 | 20 | 300 | 430 | 22,0 | G 1/4" | 40 | 23 | 3,85 |
| HK HM 01 20 0350 | 50 | 40 | 20 | 350 | 480 | 22,0 | G 1/4" | 40 | 23 | 4,27 |
| HK HM 01 20 0400 | 50 | 40 | 20 | 400 | 530 | 22,0 | G 1/4" | 40 | 23 | 4,65 |
| HK HM 01 20 0450 | 50 | 40 | 20 | 450 | 580 | 22,0 | G 1/4" | 40 | 23 | 5,08 |
| HK HM 01 20 0500 | 50 | 40 | 20 | 500 | 630 | 22,0 | G 1/4" | 40 | 23 | 5,49 |
| HK HM 01 25 0100 | 50 | 40 | 25 | 100 | 230 | 22,0 | G 1/4" | 40 | 23 | 2,75 |
| HK HM 01 25 0150 | 50 | 40 | 25 | 150 | 280 | 22,0 | G 1/4" | 40 | 23 | 2,95 |
| HK HM 01 25 0200 | 50 | 40 | 25 | 200 | 330 | 22,0 | G 1/4" | 40 | 23 | 3,39 |
| HK HM 01 25 0250 | 50 | 40 | 25 | 250 | 380 | 22,0 | G 1/4" | 40 | 23 | 3,85 |
| HK HM 01 25 0300 | 50 | 40 | 25 | 300 | 430 | 22,0 | G 1/4" | 40 | 23 | 4,32 |
| HK HM 01 25 0350 | 50 | 40 | 25 | 350 | 480 | 22,0 | G 1/4" | 40 | 23 | 4,79 |
| HK HM 01 25 0400 | 50 | 40 | 25 | 400 | 530 | 22,0 | G 1/4" | 40 | 23 | 5,26 |
| HK HM 01 25 0450 | 50 | 40 | 25 | 450 | 580 | 22,0 | G 1/4" | 40 | 23 | 5,72 |
| HK HM 01 25 0500 | 50 | 40 | 25 | 500 | 630 | 22,0 | G 1/4" | 40 | 23 | 6,20 |
| HK HM 01 25 0550 | 50 | 40 | 25 | 550 | 680 | 22,0 | G 1/4" | 40 | 23 | 6,60 |
| HK HM 01 25 0600 | 50 | 40 | 25 | 600 | 730 | 22,0 | G 1/4" | 40 | 23 | 7,13 |
| HK HM 02 25 0100 | 60 | 50 | 25 | 100 | 240 | 22,0 | G 3/8" | 43 | 26 | 3,29 |
| HK HM 02 25 0150 | 60 | 50 | 25 | 150 | 290 | 22,0 | G 3/8" | 43 | 26 | 3,83 |
| HK HM 02 25 0200 | 60 | 50 | 25 | 200 | 340 | 22,0 | G 3/8" | 43 | 26 | 4,34 |
| HK HM 02 25 0250 | 60 | 50 | 25 | 250 | 390 | 22,0 | G 3/8" | 43 | 26 | 4,85 |
| HK HM 02 25 0300 | 60 | 50 | 25 | 300 | 440 | 22,0 | G 3/8" | 43 | 26 | 5,35 |
| HK HM 02 25 0350 | 60 | 50 | 25 | 350 | 490 | 22,0 | G 3/8" | 43 | 26 | 5,94 |



Artikel

| Bezeichnung | Ø D (mm) | Ø A (mm) | Ø S (mm) | Hub (mm) | Z (mm) | C (mm) | E | L (mm) | L1 (mm) | Gewicht (kg) |
|------------------|----------|----------|----------|----------|--------|--------|--------|--------|---------|--------------|
| HK HM 02 25 0400 | 60 | 50 | 25 | 400 | 540 | 22,0 | G 3/8" | 43 | 26 | 6,40 |
| HK HM 02 25 0450 | 60 | 50 | 25 | 450 | 590 | 22,0 | G 3/8" | 43 | 26 | 7,30 |
| HK HM 02 25 0500 | 60 | 50 | 25 | 500 | 640 | 22,0 | G 3/8" | 43 | 26 | 7,43 |
| HK HM 02 25 0550 | 60 | 50 | 25 | 550 | 690 | 22,0 | G 3/8" | 43 | 26 | 8,06 |
| HK HM 02 25 0600 | 60 | 50 | 25 | 600 | 740 | 22,0 | G 3/8" | 43 | 26 | 8,46 |
| HK HM 02 25 0800 | 60 | 50 | 25 | 800 | 940 | 22,0 | G 3/8" | 43 | 26 | 10,71 |
| HK HM 02 25 1000 | 60 | 50 | 25 | 1000 | 1140 | 22,0 | G 3/8" | 43 | 26 | 12,87 |
| HK HM 02 30 0150 | 60 | 50 | 30 | 150 | 290 | 22,0 | G 3/8" | 43 | 26 | 4,11 |
| HK HM 02 30 0200 | 60 | 50 | 30 | 200 | 340 | 22,0 | G 3/8" | 43 | 26 | 4,74 |
| HK HM 02 30 0250 | 60 | 50 | 30 | 250 | 390 | 22,0 | G 3/8" | 43 | 26 | 5,35 |
| HK HM 02 30 0300 | 60 | 50 | 30 | 300 | 440 | 22,0 | G 3/8" | 43 | 26 | 5,97 |
| HK HM 02 30 0350 | 60 | 50 | 30 | 350 | 490 | 22,0 | G 3/8" | 43 | 26 | 6,55 |
| HK HM 02 30 0400 | 60 | 50 | 30 | 400 | 540 | 22,0 | G 3/8" | 43 | 26 | 7,20 |
| HK HM 02 30 0450 | 60 | 50 | 30 | 450 | 590 | 22,0 | G 3/8" | 43 | 26 | 7,80 |
| HK HM 02 30 0500 | 60 | 50 | 30 | 500 | 640 | 22,0 | G 3/8" | 43 | 26 | 8,42 |
| HK HM 02 30 0550 | 60 | 50 | 30 | 550 | 690 | 22,0 | G 3/8" | 43 | 26 | 9,04 |
| HK HM 02 30 0600 | 60 | 50 | 30 | 600 | 740 | 22,0 | G 3/8" | 43 | 26 | 9,64 |
| HK HM 02 30 0800 | 60 | 50 | 30 | 800 | 940 | 22,0 | G 3/8" | 43 | 26 | 12,10 |
| HK HM 02 30 1000 | 60 | 50 | 30 | 1000 | 1140 | 22,0 | G 3/8" | 43 | 26 | 14,57 |
| HK HM 03 30 0100 | 70 | 60 | 30 | 100 | 260 | 23,0 | G 3/8" | 50 | 30 | 4,82 |
| HK HM 03 30 0150 | 70 | 60 | 30 | 150 | 310 | 23,0 | G 3/8" | 50 | 30 | 5,55 |
| HK HM 03 30 0200 | 70 | 60 | 30 | 200 | 360 | 23,0 | G 3/8" | 50 | 30 | 6,20 |
| HK HM 03 30 0250 | 70 | 60 | 30 | 250 | 410 | 23,0 | G 3/8" | 50 | 30 | 6,87 |
| HK HM 03 30 0300 | 70 | 60 | 30 | 300 | 460 | 23,0 | G 3/8" | 50 | 30 | 7,55 |
| HK HM 03 30 0350 | 70 | 60 | 30 | 350 | 510 | 23,0 | G 3/8" | 50 | 30 | 8,20 |
| HK HM 03 30 0400 | 70 | 60 | 30 | 400 | 560 | 23,0 | G 3/8" | 50 | 30 | 8,90 |
| HK HM 03 30 0450 | 70 | 60 | 30 | 450 | 610 | 23,0 | G 3/8" | 50 | 30 | 9,53 |
| HK HM 03 30 0500 | 70 | 60 | 30 | 500 | 660 | 23,0 | G 3/8" | 50 | 30 | 10,25 |
| HK HM 03 30 0550 | 70 | 60 | 30 | 550 | 710 | 23,0 | G 3/8" | 50 | 30 | 10,83 |
| HK HM 03 30 0600 | 70 | 60 | 30 | 600 | 760 | 23,0 | G 3/8" | 50 | 30 | 11,60 |
| HK HM 03 30 0800 | 70 | 60 | 30 | 800 | 960 | 23,0 | G 3/8" | 50 | 30 | 14,26 |
| HK HM 03 30 1000 | 70 | 60 | 30 | 1000 | 1160 | 23,0 | G 3/8" | 50 | 30 | 17,00 |
| HK HM 03 35 0100 | 70 | 60 | 35 | 100 | 260 | 23,0 | G 3/8" | 50 | 30 | 5,07 |
| HK HM 03 35 0150 | 70 | 60 | 35 | 150 | 310 | 23,0 | G 3/8" | 50 | 30 | 5,85 |
| HK HM 03 35 0200 | 70 | 60 | 35 | 200 | 360 | 23,0 | G 3/8" | 50 | 30 | 6,60 |
| HK HM 03 35 0250 | 70 | 60 | 35 | 250 | 410 | 23,0 | G 3/8" | 50 | 30 | 7,40 |
| HK HM 03 35 0300 | 70 | 60 | 35 | 300 | 460 | 23,0 | G 3/8" | 50 | 30 | 8,15 |
| HK HM 03 35 0350 | 70 | 60 | 35 | 350 | 510 | 23,0 | G 3/8" | 50 | 30 | 8,94 |
| HK HM 03 35 0400 | 70 | 60 | 35 | 400 | 560 | 23,0 | G 3/8" | 50 | 30 | 9,72 |
| HK HM 03 35 0450 | 70 | 60 | 35 | 450 | 610 | 23,0 | G 3/8" | 50 | 30 | 10,47 |
| HK HM 03 35 0500 | 70 | 60 | 35 | 500 | 660 | 23,0 | G 3/8" | 50 | 30 | 11,25 |
| HK HM 03 35 0550 | 70 | 60 | 35 | 550 | 710 | 23,0 | G 3/8" | 50 | 30 | 12,00 |
| HK HM 03 35 0600 | 70 | 60 | 35 | 600 | 760 | 23,0 | G 3/8" | 50 | 30 | 12,81 |
| HK HM 03 35 0800 | 70 | 60 | 35 | 800 | 960 | 23,0 | G 3/8" | 50 | 30 | 15,87 |
| HK HM 03 35 1000 | 70 | 60 | 35 | 1000 | 1160 | 23,0 | G 3/8" | 50 | 30 | 18,93 |
| HK HM 03 40 0200 | 70 | 60 | 40 | 200 | 360 | 23,0 | G 3/8" | 50 | 30 | 7,25 |
| HK HM 03 40 0250 | 70 | 60 | 40 | 250 | 410 | 23,0 | G 3/8" | 50 | 30 | 8,14 |
| HK HM 03 40 0300 | 70 | 60 | 40 | 300 | 460 | 23,0 | G 3/8" | 50 | 30 | 9,03 |
| HK HM 03 40 0350 | 70 | 60 | 40 | 350 | 510 | 23,0 | G 3/8" | 50 | 30 | 9,90 |
| HK HM 03 40 0400 | 70 | 60 | 40 | 400 | 560 | 23,0 | G 3/8" | 50 | 30 | 10,79 |
| HK HM 03 40 0450 | 70 | 60 | 40 | 450 | 610 | 23,0 | G 3/8" | 50 | 30 | 11,64 |
| HK HM 03 40 0500 | 70 | 60 | 40 | 500 | 660 | 23,0 | G 3/8" | 50 | 30 | 12,52 |
| HK HM 03 40 0550 | 70 | 60 | 40 | 550 | 710 | 23,0 | G 3/8" | 50 | 30 | 13,45 |
| HK HM 03 40 0600 | 70 | 60 | 40 | 600 | 760 | 23,0 | G 3/8" | 50 | 30 | 14,30 |
| HK HM 03 40 0800 | 70 | 60 | 40 | 800 | 960 | 23,0 | G 3/8" | 50 | 30 | 17,82 |
| HK HM 03 40 1000 | 70 | 60 | 40 | 1000 | 1160 | 23,0 | G 3/8" | 50 | 30 | 21,40 |
| HK HM 04 30 0200 | 80 | 70 | 30 | 200 | 360 | 23,0 | G 3/8" | 50 | 33 | 7,50 |
| HK HM 04 35 0100 | 80 | 70 | 35 | 100 | 260 | 23,0 | G 3/8" | 50 | 33 | 6,09 |



Artikel

| Bezeichnung | Ø D (mm) | Ø A (mm) | Ø S (mm) | Hub (mm) | Z (mm) | C (mm) | E | L (mm) | L1 (mm) | Gewicht (kg) |
|------------------|-------------|-------------|-------------|-------------|-----------|-----------|--------|-----------|------------|-----------------|
| HK HM 04 35 0150 | 80 | 70 | 35 | 150 | 310 | 23,0 | G 3/8" | 50 | 33 | 6,95 |
| HK HM 04 35 0200 | 80 | 70 | 35 | 200 | 360 | 23,0 | G 3/8" | 50 | 33 | 7,74 |
| HK HM 04 35 0250 | 80 | 70 | 35 | 250 | 410 | 23,0 | G 3/8" | 50 | 33 | 8,60 |
| HK HM 04 35 0300 | 80 | 70 | 35 | 300 | 460 | 23,0 | G 3/8" | 50 | 33 | 9,40 |
| HK HM 04 35 0350 | 80 | 70 | 35 | 350 | 510 | 23,0 | G 3/8" | 50 | 33 | 10,26 |
| HK HM 04 35 0400 | 80 | 70 | 35 | 400 | 560 | 23,0 | G 3/8" | 50 | 33 | 11,00 |
| HK HM 04 35 0450 | 80 | 70 | 35 | 450 | 610 | 23,0 | G 3/8" | 50 | 33 | 11,88 |
| HK HM 04 35 0500 | 80 | 70 | 35 | 500 | 660 | 23,0 | G 3/8" | 50 | 33 | 12,60 |
| HK HM 04 35 0550 | 80 | 70 | 35 | 550 | 710 | 23,0 | G 3/8" | 50 | 33 | 13,66 |
| HK HM 04 35 0600 | 80 | 70 | 35 | 600 | 760 | 23,0 | G 3/8" | 50 | 33 | 14,20 |
| HK HM 04 35 0800 | 80 | 70 | 35 | 800 | 960 | 23,0 | G 3/8" | 50 | 33 | 17,56 |
| HK HM 04 35 1000 | 80 | 70 | 35 | 1000 | 1160 | 23,0 | G 3/8" | 50 | 33 | 21,26 |
| HK HM 04 40 0100 | 80 | 70 | 40 | 100 | 260 | 23,0 | G 3/8" | 50 | 33 | 8,20 |
| HK HM 04 40 0200 | 80 | 70 | 40 | 200 | 360 | 23,0 | G 3/8" | 50 | 33 | 8,20 |
| HK HM 04 40 0250 | 80 | 70 | 40 | 250 | 410 | 23,0 | G 3/8" | 50 | 33 | 9,26 |
| HK HM 04 40 0300 | 80 | 70 | 40 | 300 | 460 | 23,0 | G 3/8" | 50 | 33 | 10,24 |
| HK HM 04 40 0350 | 80 | 70 | 40 | 350 | 510 | 23,0 | G 3/8" | 50 | 33 | 11,20 |
| HK HM 04 40 0400 | 80 | 70 | 40 | 400 | 560 | 23,0 | G 3/8" | 50 | 33 | 12,80 |
| HK HM 04 40 0450 | 80 | 70 | 40 | 450 | 610 | 23,0 | G 3/8" | 50 | 33 | 13,11 |
| HK HM 04 40 0500 | 80 | 70 | 40 | 500 | 660 | 23,0 | G 3/8" | 50 | 33 | 14,01 |
| HK HM 04 40 0550 | 80 | 70 | 40 | 550 | 710 | 23,0 | G 3/8" | 50 | 33 | 15,10 |
| HK HM 04 40 0600 | 80 | 70 | 40 | 600 | 760 | 23,0 | G 3/8" | 50 | 33 | 15,99 |
| HK HM 04 40 0800 | 80 | 70 | 40 | 800 | 960 | 23,0 | G 3/8" | 50 | 33 | 19,73 |
| HK HM 04 40 1000 | 80 | 70 | 40 | 1000 | 1160 | 23,0 | G 3/8" | 50 | 33 | 23,51 |
| HK HM 05 40 0200 | 92 | 80 | 40 | 200 | 380 | 25,0 | G 1/2" | 60 | 35 | 11,08 |
| HK HM 05 40 0250 | 92 | 80 | 40 | 250 | 430 | 25,0 | G 1/2" | 60 | 35 | 12,22 |
| HK HM 05 40 0300 | 92 | 80 | 40 | 300 | 480 | 25,0 | G 1/2" | 60 | 35 | 13,36 |
| HK HM 05 40 0400 | 92 | 80 | 40 | 400 | 580 | 25,0 | G 1/2" | 60 | 35 | 15,56 |
| HK HM 05 40 0500 | 92 | 80 | 40 | 500 | 680 | 25,0 | G 1/2" | 60 | 35 | 17,77 |
| HK HM 05 40 0600 | 92 | 80 | 40 | 600 | 780 | 25,0 | G 1/2" | 60 | 35 | 19,98 |
| HK HM 05 40 0800 | 92 | 80 | 40 | 800 | 980 | 25,0 | G 1/2" | 60 | 35 | 24,50 |
| HK HM 05 40 1000 | 92 | 80 | 40 | 1000 | 1180 | 25,0 | G 1/2" | 60 | 35 | 29,03 |
| HK HM 05 50 0200 | 92 | 80 | 50 | 200 | 380 | 25,0 | G 1/2" | 60 | 35 | 12,35 |
| HK HM 05 50 0250 | 92 | 80 | 50 | 250 | 430 | 25,0 | G 1/2" | 60 | 35 | 13,73 |
| HK HM 05 50 0300 | 92 | 80 | 50 | 300 | 480 | 25,0 | G 1/2" | 60 | 35 | 15,15 |
| HK HM 05 50 0400 | 92 | 80 | 50 | 400 | 580 | 25,0 | G 1/2" | 60 | 35 | 17,93 |
| HK HM 05 50 0500 | 92 | 80 | 50 | 500 | 680 | 25,0 | G 1/2" | 60 | 35 | 20,71 |
| HK HM 05 50 0600 | 92 | 80 | 50 | 600 | 780 | 25,0 | G 1/2" | 60 | 35 | 23,49 |
| HK HM 05 50 0800 | 92 | 80 | 50 | 800 | 980 | 25,0 | G 1/2" | 60 | 35 | 29,50 |
| HK HM 05 50 1000 | 92 | 80 | 50 | 1000 | 1180 | 25,0 | G 1/2" | 60 | 35 | 35,00 |
| HK HM 06 50 0200 | 115 | 100 | 50 | 200 | 410 | 25,0 | G 1/2" | 82 | 38 | 19,50 |
| HK HM 06 50 0250 | 115 | 100 | 50 | 250 | 460 | 25,0 | G 1/2" | 82 | 38 | 21,50 |
| HK HM 06 50 0300 | 115 | 100 | 50 | 300 | 510 | 25,0 | G 1/2" | 82 | 38 | 23,00 |
| HK HM 06 50 0400 | 115 | 100 | 50 | 400 | 610 | 25,0 | G 1/2" | 82 | 38 | 26,50 |
| HK HM 06 50 0500 | 115 | 100 | 50 | 500 | 710 | 25,0 | G 1/2" | 82 | 38 | 30,00 |
| HK HM 06 50 0600 | 115 | 100 | 50 | 600 | 810 | 25,0 | G 1/2" | 82 | 38 | 33,50 |
| HK HM 06 50 0800 | 115 | 100 | 50 | 800 | 1010 | 25,0 | G 1/2" | 82 | 38 | 40,50 |
| HK HM 06 50 1000 | 115 | 100 | 50 | 1000 | 1210 | 25,0 | G 1/2" | 82 | 38 | 47,50 |
| HK HM 06 60 0300 | 115 | 100 | 60 | 300 | 510 | 25,0 | G 1/2" | 82 | 38 | 25,50 |
| HK HM 06 60 0400 | 115 | 100 | 60 | 400 | 610 | 25,0 | G 1/2" | 82 | 38 | 29,50 |
| HK HM 06 60 0500 | 115 | 100 | 60 | 500 | 710 | 25,0 | G 1/2" | 82 | 38 | 33,50 |
| HK HM 06 60 0600 | 115 | 100 | 60 | 600 | 810 | 25,0 | G 1/2" | 82 | 38 | 37,50 |
| HK HM 06 60 0800 | 115 | 100 | 60 | 800 | 1010 | 25,0 | G 1/2" | 82 | 38 | 46,00 |
| HK HM 06 60 1000 | 115 | 100 | 60 | 1000 | 1210 | 25,0 | G 1/2" | 82 | 38 | 54,50 |

Ø A = Kolben-Durchmesser – Ø S = Kolbenstangen-Durchmesser