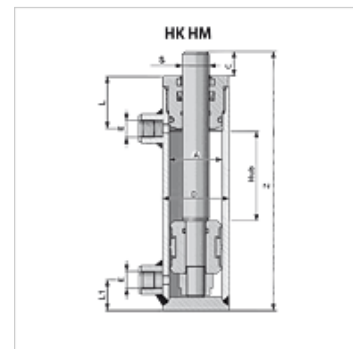


| Свойства               |  |
|------------------------|--|
| Исполнение             | without mounting elements  |
| Рабочее давление       | макс. 200 бар (согласно DIN EN 982)  |
| Испытательное давление | макс. 240 бар (согласно DIN EN 982)  |
| Область температур     | Стандартное исполнение от -15 °C до +80 °C   |
| Рабочие среды          | гидравлические жидкости HLP  |
| Материал               | Поршневой шток: сталь 20MnV6, хром 25 микрон +/- 5<br>Поршневой шток: Коррозионная стойкость до 120 часов тестирования NSS по ISO 3768<br>Направляющая поршневого штока: сталь 9SMn28<br>Патрубок подачи масла: сталь 9SMn28<br>Полированная труба цилиндра: сталь 52.3 DIN 2393-ISO H9<br>Днище цилиндра: сталь FE 510-A105<br>Гайка: сталь 8UNI EN20898/2<br>Уплотнение TPM: БНК<br>Поршни: сталь 9SMn28<br>Уплотнение OR: БНК (нитрильный каучук)<br>Fluorosil Viton (фторированный каучук)<br>Уплотнение TSE-TTS-TTI/L: БНК + ткань / полиуретан<br>Уплотнение GHM-GHK: БНК / полиуретан |



### Указание

Скорость поршней в зависимости от качества стандартных уплотнений: Макс. 25м/мин - 0,42м/сек.

Скорость поршней в конечном положении: Макс. 6м/мин - 0,10м/сек.

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.

### Описание

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).

При выборе, установке и использовании цилиндров соблюдайте требования стандарта EN ISO 4413 - Общие правила техники безопасности, касающиеся гидравлических систем

и их компонентов, а также постановлений и требований, установленных законом.

### Изделие

| Наименование     | Ø D (mm) | Ø A (mm) | Ø S (mm) | Ход (mm) | Z (mm) | C (mm) | E      | L (mm) | L1 (mm) | Вес (kg) |
|------------------|----------|----------|----------|----------|--------|--------|--------|--------|---------|----------|
| НК НМ 01 20 0100 | 50       | 40       | 20       | 100      | 230    | 22,0   | G 1/4" | 40     | 23      | 2,27     |
| НК НМ 01 20 0150 | 50       | 40       | 20       | 150      | 280    | 22,0   | G 1/4" | 40     | 23      | 2,67     |
| НК НМ 01 20 0200 | 50       | 40       | 20       | 200      | 330    | 22,0   | G 1/4" | 40     | 23      | 3,05     |
| НК НМ 01 20 0250 | 50       | 40       | 20       | 250      | 380    | 22,0   | G 1/4" | 40     | 23      | 3,45     |
| НК НМ 01 20 0300 | 50       | 40       | 20       | 300      | 430    | 22,0   | G 1/4" | 40     | 23      | 3,85     |
| НК НМ 01 20 0350 | 50       | 40       | 20       | 350      | 480    | 22,0   | G 1/4" | 40     | 23      | 4,27     |
| НК НМ 01 20 0400 | 50       | 40       | 20       | 400      | 530    | 22,0   | G 1/4" | 40     | 23      | 4,65     |
| НК НМ 01 20 0450 | 50       | 40       | 20       | 450      | 580    | 22,0   | G 1/4" | 40     | 23      | 5,08     |
| НК НМ 01 20 0500 | 50       | 40       | 20       | 500      | 630    | 22,0   | G 1/4" | 40     | 23      | 5,49     |
| НК НМ 01 25 0100 | 50       | 40       | 25       | 100      | 230    | 22,0   | G 1/4" | 40     | 23      | 2,75     |
| НК НМ 01 25 0150 | 50       | 40       | 25       | 150      | 280    | 22,0   | G 1/4" | 40     | 23      | 2,95     |
| НК НМ 01 25 0200 | 50       | 40       | 25       | 200      | 330    | 22,0   | G 1/4" | 40     | 23      | 3,39     |
| НК НМ 01 25 0250 | 50       | 40       | 25       | 250      | 380    | 22,0   | G 1/4" | 40     | 23      | 3,85     |
| НК НМ 01 25 0300 | 50       | 40       | 25       | 300      | 430    | 22,0   | G 1/4" | 40     | 23      | 4,32     |
| НК НМ 01 25 0350 | 50       | 40       | 25       | 350      | 480    | 22,0   | G 1/4" | 40     | 23      | 4,79     |
| НК НМ 01 25 0400 | 50       | 40       | 25       | 400      | 530    | 22,0   | G 1/4" | 40     | 23      | 5,26     |
| НК НМ 01 25 0450 | 50       | 40       | 25       | 450      | 580    | 22,0   | G 1/4" | 40     | 23      | 5,72     |
| НК НМ 01 25 0500 | 50       | 40       | 25       | 500      | 630    | 22,0   | G 1/4" | 40     | 23      | 6,20     |
| НК НМ 01 25 0550 | 50       | 40       | 25       | 550      | 680    | 22,0   | G 1/4" | 40     | 23      | 6,60     |
| НК НМ 01 25 0600 | 50       | 40       | 25       | 600      | 730    | 22,0   | G 1/4" | 40     | 23      | 7,13     |



### Изделие

| Наименование     | Ø D (mm) | Ø A (mm) | Ø S (mm) | Ход (mm) | Z (mm) | C (mm) | E      | L (mm) | L1 (mm) | Вес (kg) |
|------------------|----------|----------|----------|----------|--------|--------|--------|--------|---------|----------|
| НК НМ 02 25 0100 | 60       | 50       | 25       | 100      | 240    | 22,0   | G 3/8" | 43     | 26      | 3,29     |
| НК НМ 02 25 0150 | 60       | 50       | 25       | 150      | 290    | 22,0   | G 3/8" | 43     | 26      | 3,83     |
| НК НМ 02 25 0200 | 60       | 50       | 25       | 200      | 340    | 22,0   | G 3/8" | 43     | 26      | 4,34     |
| НК НМ 02 25 0250 | 60       | 50       | 25       | 250      | 390    | 22,0   | G 3/8" | 43     | 26      | 4,85     |
| НК НМ 02 25 0300 | 60       | 50       | 25       | 300      | 440    | 22,0   | G 3/8" | 43     | 26      | 5,35     |
| НК НМ 02 25 0350 | 60       | 50       | 25       | 350      | 490    | 22,0   | G 3/8" | 43     | 26      | 5,94     |
| НК НМ 02 25 0400 | 60       | 50       | 25       | 400      | 540    | 22,0   | G 3/8" | 43     | 26      | 6,40     |
| НК НМ 02 25 0450 | 60       | 50       | 25       | 450      | 590    | 22,0   | G 3/8" | 43     | 26      | 7,30     |
| НК НМ 02 25 0500 | 60       | 50       | 25       | 500      | 640    | 22,0   | G 3/8" | 43     | 26      | 7,43     |
| НК НМ 02 25 0550 | 60       | 50       | 25       | 550      | 690    | 22,0   | G 3/8" | 43     | 26      | 8,06     |
| НК НМ 02 25 0600 | 60       | 50       | 25       | 600      | 740    | 22,0   | G 3/8" | 43     | 26      | 8,46     |
| НК НМ 02 25 0800 | 60       | 50       | 25       | 800      | 940    | 22,0   | G 3/8" | 43     | 26      | 10,71    |
| НК НМ 02 25 1000 | 60       | 50       | 25       | 1000     | 1140   | 22,0   | G 3/8" | 43     | 26      | 12,87    |
| НК НМ 02 30 0150 | 60       | 50       | 30       | 150      | 290    | 22,0   | G 3/8" | 43     | 26      | 4,11     |
| НК НМ 02 30 0200 | 60       | 50       | 30       | 200      | 340    | 22,0   | G 3/8" | 43     | 26      | 4,74     |
| НК НМ 02 30 0250 | 60       | 50       | 30       | 250      | 390    | 22,0   | G 3/8" | 43     | 26      | 5,35     |
| НК НМ 02 30 0300 | 60       | 50       | 30       | 300      | 440    | 22,0   | G 3/8" | 43     | 26      | 5,97     |
| НК НМ 02 30 0350 | 60       | 50       | 30       | 350      | 490    | 22,0   | G 3/8" | 43     | 26      | 6,55     |
| НК НМ 02 30 0400 | 60       | 50       | 30       | 400      | 540    | 22,0   | G 3/8" | 43     | 26      | 7,20     |
| НК НМ 02 30 0450 | 60       | 50       | 30       | 450      | 590    | 22,0   | G 3/8" | 43     | 26      | 7,80     |
| НК НМ 02 30 0500 | 60       | 50       | 30       | 500      | 640    | 22,0   | G 3/8" | 43     | 26      | 8,42     |
| НК НМ 02 30 0550 | 60       | 50       | 30       | 550      | 690    | 22,0   | G 3/8" | 43     | 26      | 9,04     |
| НК НМ 02 30 0600 | 60       | 50       | 30       | 600      | 740    | 22,0   | G 3/8" | 43     | 26      | 9,64     |
| НК НМ 02 30 0800 | 60       | 50       | 30       | 800      | 940    | 22,0   | G 3/8" | 43     | 26      | 12,10    |
| НК НМ 02 30 1000 | 60       | 50       | 30       | 1000     | 1140   | 22,0   | G 3/8" | 43     | 26      | 14,57    |
| НК НМ 03 30 0100 | 70       | 60       | 30       | 100      | 260    | 23,0   | G 3/8" | 50     | 30      | 4,82     |
| НК НМ 03 30 0150 | 70       | 60       | 30       | 150      | 310    | 23,0   | G 3/8" | 50     | 30      | 5,55     |
| НК НМ 03 30 0200 | 70       | 60       | 30       | 200      | 360    | 23,0   | G 3/8" | 50     | 30      | 6,20     |
| НК НМ 03 30 0250 | 70       | 60       | 30       | 250      | 410    | 23,0   | G 3/8" | 50     | 30      | 6,87     |
| НК НМ 03 30 0300 | 70       | 60       | 30       | 300      | 460    | 23,0   | G 3/8" | 50     | 30      | 7,55     |
| НК НМ 03 30 0350 | 70       | 60       | 30       | 350      | 510    | 23,0   | G 3/8" | 50     | 30      | 8,20     |
| НК НМ 03 30 0400 | 70       | 60       | 30       | 400      | 560    | 23,0   | G 3/8" | 50     | 30      | 8,90     |
| НК НМ 03 30 0450 | 70       | 60       | 30       | 450      | 610    | 23,0   | G 3/8" | 50     | 30      | 9,53     |
| НК НМ 03 30 0500 | 70       | 60       | 30       | 500      | 660    | 23,0   | G 3/8" | 50     | 30      | 10,25    |
| НК НМ 03 30 0550 | 70       | 60       | 30       | 550      | 710    | 23,0   | G 3/8" | 50     | 30      | 10,83    |
| НК НМ 03 30 0600 | 70       | 60       | 30       | 600      | 760    | 23,0   | G 3/8" | 50     | 30      | 11,60    |
| НК НМ 03 30 0800 | 70       | 60       | 30       | 800      | 960    | 23,0   | G 3/8" | 50     | 30      | 14,26    |
| НК НМ 03 30 1000 | 70       | 60       | 30       | 1000     | 1160   | 23,0   | G 3/8" | 50     | 30      | 17,00    |
| НК НМ 03 35 0100 | 70       | 60       | 35       | 100      | 260    | 23,0   | G 3/8" | 50     | 30      | 5,07     |
| НК НМ 03 35 0150 | 70       | 60       | 35       | 150      | 310    | 23,0   | G 3/8" | 50     | 30      | 5,85     |
| НК НМ 03 35 0200 | 70       | 60       | 35       | 200      | 360    | 23,0   | G 3/8" | 50     | 30      | 6,60     |
| НК НМ 03 35 0250 | 70       | 60       | 35       | 250      | 410    | 23,0   | G 3/8" | 50     | 30      | 7,40     |
| НК НМ 03 35 0300 | 70       | 60       | 35       | 300      | 460    | 23,0   | G 3/8" | 50     | 30      | 8,15     |
| НК НМ 03 35 0350 | 70       | 60       | 35       | 350      | 510    | 23,0   | G 3/8" | 50     | 30      | 8,94     |
| НК НМ 03 35 0400 | 70       | 60       | 35       | 400      | 560    | 23,0   | G 3/8" | 50     | 30      | 9,72     |
| НК НМ 03 35 0450 | 70       | 60       | 35       | 450      | 610    | 23,0   | G 3/8" | 50     | 30      | 10,47    |
| НК НМ 03 35 0500 | 70       | 60       | 35       | 500      | 660    | 23,0   | G 3/8" | 50     | 30      | 11,25    |
| НК НМ 03 35 0550 | 70       | 60       | 35       | 550      | 710    | 23,0   | G 3/8" | 50     | 30      | 12,00    |
| НК НМ 03 35 0600 | 70       | 60       | 35       | 600      | 760    | 23,0   | G 3/8" | 50     | 30      | 12,81    |
| НК НМ 03 35 0800 | 70       | 60       | 35       | 800      | 960    | 23,0   | G 3/8" | 50     | 30      | 15,87    |
| НК НМ 03 35 1000 | 70       | 60       | 35       | 1000     | 1160   | 23,0   | G 3/8" | 50     | 30      | 18,93    |
| НК НМ 03 40 0200 | 70       | 60       | 40       | 200      | 360    | 23,0   | G 3/8" | 50     | 30      | 7,25     |
| НК НМ 03 40 0250 | 70       | 60       | 40       | 250      | 410    | 23,0   | G 3/8" | 50     | 30      | 8,14     |
| НК НМ 03 40 0300 | 70       | 60       | 40       | 300      | 460    | 23,0   | G 3/8" | 50     | 30      | 9,03     |
| НК НМ 03 40 0350 | 70       | 60       | 40       | 350      | 510    | 23,0   | G 3/8" | 50     | 30      | 9,90     |
| НК НМ 03 40 0400 | 70       | 60       | 40       | 400      | 560    | 23,0   | G 3/8" | 50     | 30      | 10,79    |
| НК НМ 03 40 0450 | 70       | 60       | 40       | 450      | 610    | 23,0   | G 3/8" | 50     | 30      | 11,64    |
| НК НМ 03 40 0500 | 70       | 60       | 40       | 500      | 660    | 23,0   | G 3/8" | 50     | 30      | 12,52    |
| НК НМ 03 40 0550 | 70       | 60       | 40       | 550      | 710    | 23,0   | G 3/8" | 50     | 30      | 13,45    |
| НК НМ 03 40 0600 | 70       | 60       | 40       | 600      | 760    | 23,0   | G 3/8" | 50     | 30      | 14,30    |



### Изделие

| Наименование     | Ø D (mm) | Ø A (mm) | Ø S (mm) | Ход (mm) | Z (mm) | C (mm) | E      | L (mm) | L1 (mm) | Вес (kg) |
|------------------|----------|----------|----------|----------|--------|--------|--------|--------|---------|----------|
| НК НМ 03 40 0800 | 70       | 60       | 40       | 800      | 960    | 23,0   | G 3/8" | 50     | 30      | 17,82    |
| НК НМ 03 40 1000 | 70       | 60       | 40       | 1000     | 1160   | 23,0   | G 3/8" | 50     | 30      | 21,40    |
| НК НМ 04 30 0200 | 80       | 70       | 30       | 200      | 360    | 23,0   | G 3/8" | 50     | 33      | 7,50     |
| НК НМ 04 35 0100 | 80       | 70       | 35       | 100      | 260    | 23,0   | G 3/8" | 50     | 33      | 6,09     |
| НК НМ 04 35 0150 | 80       | 70       | 35       | 150      | 310    | 23,0   | G 3/8" | 50     | 33      | 6,95     |
| НК НМ 04 35 0200 | 80       | 70       | 35       | 200      | 360    | 23,0   | G 3/8" | 50     | 33      | 7,74     |
| НК НМ 04 35 0250 | 80       | 70       | 35       | 250      | 410    | 23,0   | G 3/8" | 50     | 33      | 8,60     |
| НК НМ 04 35 0300 | 80       | 70       | 35       | 300      | 460    | 23,0   | G 3/8" | 50     | 33      | 9,40     |
| НК НМ 04 35 0350 | 80       | 70       | 35       | 350      | 510    | 23,0   | G 3/8" | 50     | 33      | 10,26    |
| НК НМ 04 35 0400 | 80       | 70       | 35       | 400      | 560    | 23,0   | G 3/8" | 50     | 33      | 11,00    |
| НК НМ 04 35 0450 | 80       | 70       | 35       | 450      | 610    | 23,0   | G 3/8" | 50     | 33      | 11,88    |
| НК НМ 04 35 0500 | 80       | 70       | 35       | 500      | 660    | 23,0   | G 3/8" | 50     | 33      | 12,60    |
| НК НМ 04 35 0550 | 80       | 70       | 35       | 550      | 710    | 23,0   | G 3/8" | 50     | 33      | 13,66    |
| НК НМ 04 35 0600 | 80       | 70       | 35       | 600      | 760    | 23,0   | G 3/8" | 50     | 33      | 14,20    |
| НК НМ 04 35 0800 | 80       | 70       | 35       | 800      | 960    | 23,0   | G 3/8" | 50     | 33      | 17,56    |
| НК НМ 04 35 1000 | 80       | 70       | 35       | 1000     | 1160   | 23,0   | G 3/8" | 50     | 33      | 21,26    |
| НК НМ 04 40 0100 | 80       | 70       | 40       | 100      | 260    | 23,0   | G 3/8" | 50     | 33      | 8,20     |
| НК НМ 04 40 0200 | 80       | 70       | 40       | 200      | 360    | 23,0   | G 3/8" | 50     | 33      | 8,20     |
| НК НМ 04 40 0250 | 80       | 70       | 40       | 250      | 410    | 23,0   | G 3/8" | 50     | 33      | 9,26     |
| НК НМ 04 40 0300 | 80       | 70       | 40       | 300      | 460    | 23,0   | G 3/8" | 50     | 33      | 10,24    |
| НК НМ 04 40 0350 | 80       | 70       | 40       | 350      | 510    | 23,0   | G 3/8" | 50     | 33      | 11,20    |
| НК НМ 04 40 0400 | 80       | 70       | 40       | 400      | 560    | 23,0   | G 3/8" | 50     | 33      | 12,80    |
| НК НМ 04 40 0450 | 80       | 70       | 40       | 450      | 610    | 23,0   | G 3/8" | 50     | 33      | 13,11    |
| НК НМ 04 40 0500 | 80       | 70       | 40       | 500      | 660    | 23,0   | G 3/8" | 50     | 33      | 14,01    |
| НК НМ 04 40 0550 | 80       | 70       | 40       | 550      | 710    | 23,0   | G 3/8" | 50     | 33      | 15,10    |
| НК НМ 04 40 0600 | 80       | 70       | 40       | 600      | 760    | 23,0   | G 3/8" | 50     | 33      | 15,99    |
| НК НМ 04 40 0800 | 80       | 70       | 40       | 800      | 960    | 23,0   | G 3/8" | 50     | 33      | 19,73    |
| НК НМ 04 40 1000 | 80       | 70       | 40       | 1000     | 1160   | 23,0   | G 3/8" | 50     | 33      | 23,51    |
| НК НМ 05 40 0200 | 92       | 80       | 40       | 200      | 380    | 25,0   | G 1/2" | 60     | 35      | 11,08    |
| НК НМ 05 40 0250 | 92       | 80       | 40       | 250      | 430    | 25,0   | G 1/2" | 60     | 35      | 12,22    |
| НК НМ 05 40 0300 | 92       | 80       | 40       | 300      | 480    | 25,0   | G 1/2" | 60     | 35      | 13,36    |
| НК НМ 05 40 0400 | 92       | 80       | 40       | 400      | 580    | 25,0   | G 1/2" | 60     | 35      | 15,56    |
| НК НМ 05 40 0500 | 92       | 80       | 40       | 500      | 680    | 25,0   | G 1/2" | 60     | 35      | 17,77    |
| НК НМ 05 40 0600 | 92       | 80       | 40       | 600      | 780    | 25,0   | G 1/2" | 60     | 35      | 19,98    |
| НК НМ 05 40 0800 | 92       | 80       | 40       | 800      | 980    | 25,0   | G 1/2" | 60     | 35      | 24,50    |
| НК НМ 05 40 1000 | 92       | 80       | 40       | 1000     | 1180   | 25,0   | G 1/2" | 60     | 35      | 29,03    |
| НК НМ 05 50 0200 | 92       | 80       | 50       | 200      | 380    | 25,0   | G 1/2" | 60     | 35      | 12,35    |
| НК НМ 05 50 0250 | 92       | 80       | 50       | 250      | 430    | 25,0   | G 1/2" | 60     | 35      | 13,73    |
| НК НМ 05 50 0300 | 92       | 80       | 50       | 300      | 480    | 25,0   | G 1/2" | 60     | 35      | 15,15    |
| НК НМ 05 50 0400 | 92       | 80       | 50       | 400      | 580    | 25,0   | G 1/2" | 60     | 35      | 17,93    |
| НК НМ 05 50 0500 | 92       | 80       | 50       | 500      | 680    | 25,0   | G 1/2" | 60     | 35      | 20,71    |
| НК НМ 05 50 0600 | 92       | 80       | 50       | 600      | 780    | 25,0   | G 1/2" | 60     | 35      | 23,49    |
| НК НМ 05 50 0800 | 92       | 80       | 50       | 800      | 980    | 25,0   | G 1/2" | 60     | 35      | 29,50    |
| НК НМ 05 50 1000 | 92       | 80       | 50       | 1000     | 1180   | 25,0   | G 1/2" | 60     | 35      | 35,00    |
| НК НМ 06 50 0200 | 115      | 100      | 50       | 200      | 410    | 25,0   | G 1/2" | 82     | 38      | 19,50    |
| НК НМ 06 50 0250 | 115      | 100      | 50       | 250      | 460    | 25,0   | G 1/2" | 82     | 38      | 21,50    |
| НК НМ 06 50 0300 | 115      | 100      | 50       | 300      | 510    | 25,0   | G 1/2" | 82     | 38      | 23,00    |
| НК НМ 06 50 0400 | 115      | 100      | 50       | 400      | 610    | 25,0   | G 1/2" | 82     | 38      | 26,50    |
| НК НМ 06 50 0500 | 115      | 100      | 50       | 500      | 710    | 25,0   | G 1/2" | 82     | 38      | 30,00    |
| НК НМ 06 50 0600 | 115      | 100      | 50       | 600      | 810    | 25,0   | G 1/2" | 82     | 38      | 33,50    |
| НК НМ 06 50 0800 | 115      | 100      | 50       | 800      | 1010   | 25,0   | G 1/2" | 82     | 38      | 40,50    |
| НК НМ 06 50 1000 | 115      | 100      | 50       | 1000     | 1210   | 25,0   | G 1/2" | 82     | 38      | 47,50    |
| НК НМ 06 60 0300 | 115      | 100      | 60       | 300      | 510    | 25,0   | G 1/2" | 82     | 38      | 25,50    |
| НК НМ 06 60 0400 | 115      | 100      | 60       | 400      | 610    | 25,0   | G 1/2" | 82     | 38      | 29,50    |
| НК НМ 06 60 0500 | 115      | 100      | 60       | 500      | 710    | 25,0   | G 1/2" | 82     | 38      | 33,50    |
| НК НМ 06 60 0600 | 115      | 100      | 60       | 600      | 810    | 25,0   | G 1/2" | 82     | 38      | 37,50    |
| НК НМ 06 60 0800 | 115      | 100      | 60       | 800      | 1010   | 25,0   | G 1/2" | 82     | 38      | 46,00    |
| НК НМ 06 60 1000 | 115      | 100      | 60       | 1000     | 1210   | 25,0   | G 1/2" | 82     | 38      | 54,50    |