

Technical specification sheet

ALUMINUM HOLLOW PLUNGER CYLINDERS - spring return

PRODUCT DESCRIPTION

The lightweight aluminum hollow plunger cylinders, made from black anodized aluminum are just as powerful, though many times lighter than its steel equivalent. This makes it easier, safer and more ergonomically in use. Due to its compact design and lower build-in heights these cylinders are usable in a variety of applications.



Features & benefits

- Up to 60% lighter cylinders compared to steel cylinders - easy to work with and better for the physical welfare of your employees
- Compact design and a lower build-in height ensures the product is usable in a variety of applications
- Plunger is coated with a black anodized layer that makes it extremely wear and corrosion resistant
- Hollow saddle
 - Prevents damage to the plunger
 - Also usable for lifting application
 - Easy to replace with threaded saddle
- All cylinders meet the stringent quality requirements that Holmatro upholds for its products
- 25 standard models with different capacities and stroke lengths
- Larger cylinders are equipped with foldable handles for easy carrying and positioning

Standard supplied with

- High Flow female coupler A 118
- Hollow saddle

Available on request

- Collar thread
- Base mounting holes
- Cylinders manufactured in conformity with customer specifications

Accessories

- Saddles: threaded saddles

| specifications | | HAHC 20 S 5 | HAHC 20 S 10 | HAHC 20 S 15 | HAHC 20 S 20 | HAHC 20 S 25 |
|----------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| art no | | 100.112.366 | 100.112.367 | 100.112.368 | 100.112.369 | 100.112.370 |
| max. working pressure | bar/Mpa | 720 / 72 | 720 / 72 | 720 / 72 | 720 / 72 | 720 / 72 |
| tonnage | t | 20 | 20 | 20 | 20 | 20 |
| stroke | mm | 50 | 100 | 150 | 200 | 250 |
| closed height | mm | 170 | 240 | 310 | 375 | 429 |
| center hole diameter (R) | mm | 27 | 27 | 27 | 27 | 27 |
| capacity | kN/t | 208 / 21.2 | 208 / 21.2 | 208 / 21.2 | 208 / 21.2 | 208 / 21.2 |
| effective pressure area | cm ² | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 |
| required oil content (effective) | cc | 144 | 288 | 433 | 577 | 721 |
| connection | | A 118 | A 118 | A 118 | A 118 | A 118 |
| cylinder type | | hollow plunger | hollow plunger | hollow plunger | hollow plunger | hollow plunger |
| acting type | | single | single | single | single | single |
| return type | | spring | spring | spring | spring | spring |
| material | | aluminum | aluminum | aluminum | aluminum | aluminum |
| weight, ready for use | kg | 3.4 | 4.3 | 5.5 | 6.3 | 7.1 |

| specifications | | HAHC 30 S 5 | HAHC 30 S 10 | HAHC 30 S 15 | HAHC 30 S 20 | HAHC 30 S 25 |
|----------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| art no | | 100.112.371 | 100.112.372 | 100.112.373 | 100.112.374 | 100.112.375 |
| max. working pressure | bar/Mpa | 720 / 72 | 720 / 72 | 720 / 72 | 720 / 72 | 720 / 72 |
| tonnage | t | 30 | 30 | 30 | 30 | 30 |
| stroke | mm | 50 | 100 | 150 | 200 | 250 |
| closed height | mm | 185 | 255 | 325 | 390 | 450 |
| center hole diameter (R) | mm | 34 | 34 | 34 | 34 | 34 |
| capacity | kN/t | 343 / 35 | 343 / 35 | 343 / 35 | 343 / 35 | 343 / 35 |
| effective pressure area | cm ² | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| required oil content (effective) | cc | 238 | 477 | 715 | 954 | 1192 |
| connection | | A 118 | A 118 | A 118 | A 118 | A 118 |
| cylinder type | | hollow plunger | hollow plunger | hollow plunger | hollow plunger | hollow plunger |
| acting type | | single | single | single | single | single |
| return type | | spring | spring | spring | spring | spring |
| material | | aluminum | aluminum | aluminum | aluminum | aluminum |
| weight, ready for use | kg | 6.1 | 7.8 | 9.5 | 11.1 | 12.6 |

| specifications | | HAHC 60 S 5 | HAHC 60 S 10 | HAHC 60 S 15 | HAHC 60 S 20 | HAHC 60 S 25 |
|----------------------------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| art no | | 100.112.376 | 100.112.377 | 100.112.378 | 100.112.379 | 100.112.380 |
| max. working pressure | bar/Mpa | 720 / 72 | 720 / 72 | 720 / 72 | 720 / 72 | 720 / 72 |
| tonnage | t | 60 | 60 | 60 | 60 | 60 |
| stroke | mm | 50 | 100 | 150 | 200 | 250 |
| closed height | mm | 243 | 295 | 363 | 428 | 518 |
| center hole diameter (R) | mm | 56 | 56 | 56 | 56 | 56 |
| capacity | kN/t | 606 / 61.8 | 606 / 61.8 | 606 / 61.8 | 606 / 61.8 | 606 / 61.8 |
| effective pressure area | cm ² | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| required oil content (effective) | cc | 421 | 842 | 1263 | 1684 | 2105 |
| connection | | A 118 | A 118 | A 118 | A 118 | A 118 |
| cylinder type | | hollow plunger | hollow plunger | hollow plunger | hollow plunger | hollow plunger |
| acting type | | single | single | single | single | single |
| return type | | spring | spring | spring | spring | spring |
| material | | aluminum | aluminum | aluminum | aluminum | aluminum |
| weight, ready for use | kg | 15.5 | 18.6 | 21.8 | 25.4 | 29 |

THREADED SADDLES - accessories



Features & benefits

- Perfect to combine with tension rods

Available on request

- Customized screw-thread sizes in threaded saddles

| specifications | | TRS20 | TRS30 | TRS60 |
|------------------|------------|-------------|----------------|-----------------|
| art no | | 100.003.650 | 100.003.654 | 100.003.655 |
| cylinder tonnage | t | 20 | 30 | 60 |
| diameter | mm | 63 | 83 | 110 |
| thread hole | threadsize | 1" - 8 UNC | 1 1/4" - 7 UNC | 1 5/8" - 5 1/2" |