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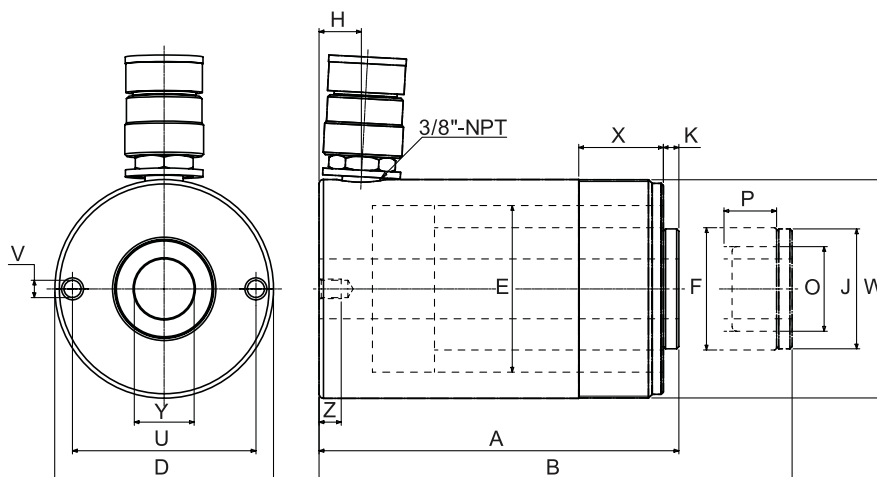
# HOLLOW CYLINDERS - NSHS

- Capacity from 12-100 tons.
- Hard chromed piston rod, cylinder tubes coated with "nitrocarb".
- Built-in return spring.
- Can be used for both pushing and pulling work (with a threaded rod through the hole).

OUR CYLINDERS  
CAN BE SUPPLIED  
WITH QUICK  
COUPLERS  
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| Part No   | Capacity<br>(ton/kN) |      | Stroke<br>(mm) | Cylinder<br>effective<br>area<br>(cm <sup>2</sup> ) | Oil<br>cap<br>(cm <sup>3</sup> ) | A<br>(mm) | B<br>(mm) | D Ø<br>(mm) | E Ø<br>(mm) | F Ø<br>(mm) | H<br>(mm) | J<br>(mm) | K<br>(mm) | O UN       | P<br>(mm) | U<br>(mm) | V<br>UNC | W Ø<br>UN | Y Ø<br>(mm) | Z<br>(mm) | Weight<br>(kg) |
|-----------|----------------------|------|----------------|-----------------------------------------------------|----------------------------------|-----------|-----------|-------------|-------------|-------------|-----------|-----------|-----------|------------|-----------|-----------|----------|-----------|-------------|-----------|----------------|
| NSHS120-T | 12                   | 130  | 8              | 18,5                                                | 15                               | 60        | 68        | 73          | 54,1        | 35          | 12,5      | -         | -         | -          | -         | 50,8      | 5/16"-18 | 2 3/4-16  | 20,5        | 9         | 1,5            |
| NSHS121-T |                      | 132  | 42             | 18,8                                                | 79                               | 120       | 162       |             | -           |             |           |           |           | -          | 19,5      |           |          |           | 12,7        | 3         |                |
| NSHS1211  |                      |      | 42             |                                                     | 79                               | 120       | 162       |             | 3/4"-16     |             |           |           |           | 16         | 20,5      |           |          |           |             | 3         |                |
| NSHS123-T |                      |      | 76             |                                                     | 143                              | 184       | 260       |             | -           |             |           |           |           | -          | 20,5      |           |          |           |             | 4,2       |                |
| NSHS202   | 20                   | 238  | 51             | 34                                                  | 173                              | 162       | 213       | 98,5        | 75          | 55          | 19        | 54        | 7         | 1 9/16"-16 | 25        | 82,6      | 3/8"-16  | 3 7/8-12  | 27          | 9,4       | 7,5            |
| NSHS206   |                      | 155  | 527            |                                                     | 306                              | 461       | 11        |             |             |             |           |           | 13,5      |            |           |           |          |           |             |           |                |
| NSHS302   | 30                   | 334  | 65             | 48                                                  | 310                              | 178,5     | 243,5     | 117         | 90          | 65          | 21,5      | 60        | 0,5       | 1 7/8"-16  | 25        | 92,0      | 3/8"-16  | 4 1/2-12  | 34          | 14        | 11             |
| NSHS306   |                      | 160  | 763            |                                                     | 330                              | 490       | 26        |             |             |             |           |           | 20        |            |           |           |          |           |             |           |                |
| NSHS603   | 60                   | 627  | 76             | 90                                                  | 680                              | 247,5     | 323,5     | 158,6       | 125         | 90          | 32        | 89        | 12        | 2 3/4"-16  | 25        | 130       | 1/2"-12  | 6 1/4-12  | 54          | 14        | 26             |
| NSHS606   |                      | 152  | 1360           |                                                     | 323,5                            | 475,5     | 50        |             |             |             |           |           | 34        |            |           |           |          |           |             |           |                |
| NSHS1003  | 100                  | 1001 | 76             | 143                                                 | 1085                             | 254       | 330       | 213         | 165         | 125         | 38        | 125       | 12        | 4"-16      | 30        | 178       | 5/8"-11  | 8 3/8-12  | 79          | 19        | 50             |



# HOLLOW CYLINDERS ALUMINUM - ACHC

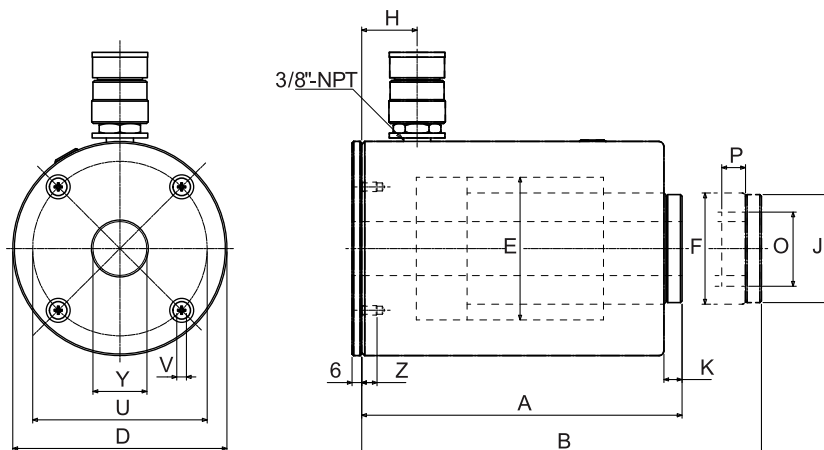
- Aluminum is lightweight.
- 30 and 60 ton capacity.
- Rod and cylinder are hard anodised for durable surface.
- Equipped with a steel plate at the bottom and the pressure head in steel.
- Carrying handle on 60 ton models.
- Aluminum cylinders are designed to withstand 5000 cycles at maximum pressure. Should last a whole life under normal service and maintenance work.



*ACHC302 used here for removing shaft in back hoe loader.*



| Part No | Capacity<br>(ton/kN) |     | Stroke<br>(mm) | Cylinder<br>effective<br>area<br>(cm <sup>2</sup> ) | Oil cap<br>(cm <sup>3</sup> ) | A<br>(mm) | B<br>(mm) | D Ø<br>(mm) | E Ø<br>(mm) | F Ø<br>(mm) | H<br>(mm) | J<br>(mm) | K<br>(mm) | O UN      | P<br>(mm) | Y Ø<br>(mm) | Weight<br>(kg) | Part No |
|---------|----------------------|-----|----------------|-----------------------------------------------------|-------------------------------|-----------|-----------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-------------|----------------|---------|
| ACHC302 | 30                   | 385 | 50             | 55,0                                                | 238                           | 202       | 252       | 138         | 95          | 70          | 35        | 68        | 11,5      | 1 7/8"-16 | 25        | 34          | 10,0           | ACHC302 |
| ACHC306 |                      |     | 150            |                                                     | 715                           | 327       | 477       |             |             |             |           |           |           |           |           |             | 14,0           | ACHC306 |
| ACHC602 | 60                   | 627 | 50             | 89,5                                                | 448                           | 219       | 269       | 198         | 125         | 100         | 35        | 89        | 14        | 2 3/4"-16 | 25        | 54          | 19,5           | ACHC602 |
| ACHC606 |                      |     | 150            |                                                     | 1342                          | 319       | 469       |             |             |             |           |           |           |           |           |             | 25,0           | ACHC606 |





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