

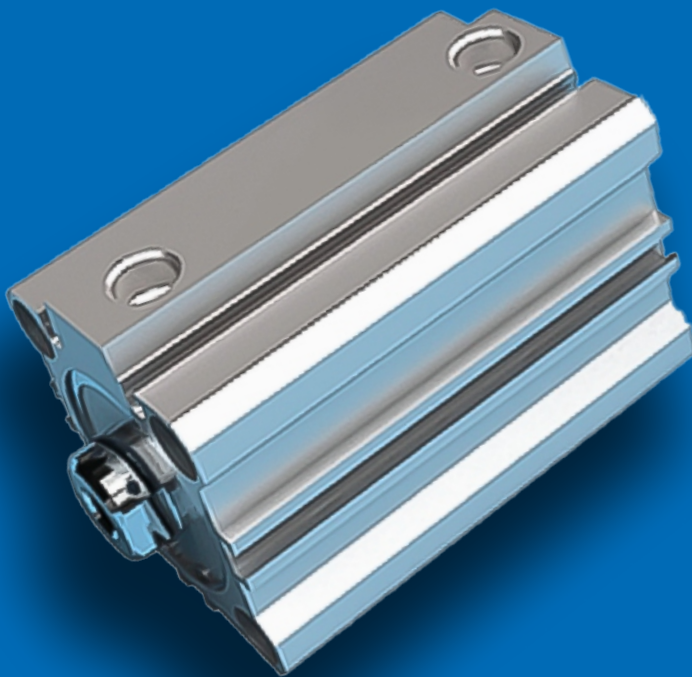


GHPC[®]
Tecnologia em Produtos Pneumáticos

Catálogo Técnico

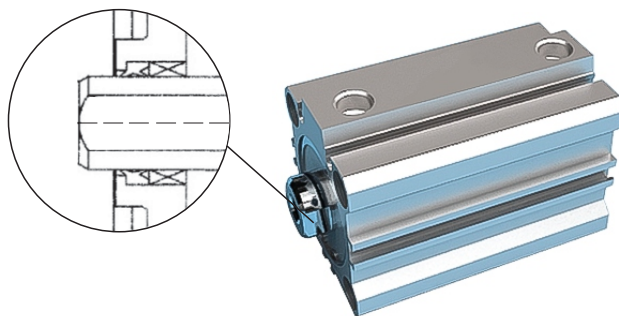
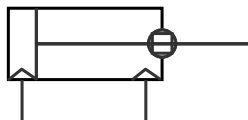
Atuador Pneumático Ultra compacto com Haste Anti-giro

Série CCMK



Atuador Pneumático Ultra Compacto, Anti-giro – Série CCMK

Simbologia

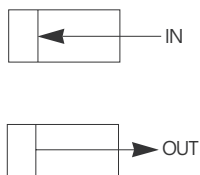


Características Técnicas

| Modelo | CCMK | | | | | |
|---------------------------|-----------------------------------|----------|---------|----|---------|----|
| Ø (mm) | 20 | 25 | 32 | 40 | 50 | 63 |
| Rosca da Haste (Fêmea) | M5 x 0.8 | M6 x 1.0 | M8x1.25 | | M10X1.5 | |
| Fluído | Ar | | | | | |
| Pressão de Teste | 15 Bar (15.3kgf/cm ²) | | | | | |
| Pressão Máx. de Operação | 10 Bar (9.9kgf/cm ²) | | | | | |
| Tolerância de Haste | KS Nível 2 | | | | | |
| Comprim. Curso Admissível | +1.0 0 | | | | | |
| Velocidade do Pistão | 50 ~ 500 mm/s | | | | | |
| Amortecedor | Nenhum | | | | | |
| Tipo de Rosca (Padrão) | Fêmea | | | | | |

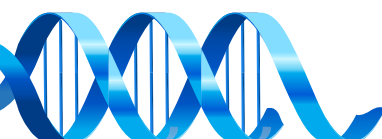
(Unid : N)

| Diâmetro (mm) | Direção de Operação | Pressão Aplicada (Bar) | | |
|---------------|---------------------|------------------------|-------|-------|
| | | 3.0 | 5.0 | 7.0 |
| 20 | IN | 71 | 118 | 165 |
| | OUT | 94 | 157 | 220 |
| 25 | IN | 113 | 189 | 264 |
| | OUT | 147 | 245 | 344 |
| 32 | IN | 181 | 302 | 422 |
| | OUT | 241 | 402 | 563 |
| 40 | IN | 317 | 528 | 739 |
| | OUT | 377 | 628 | 880 |
| 50 | IN | 495 | 825 | 1,150 |
| | OUT | 589 | 982 | 1,370 |
| 63 | IN | 841 | 1,400 | 1,960 |
| | OUT | 935 | 1,560 | 2,180 |



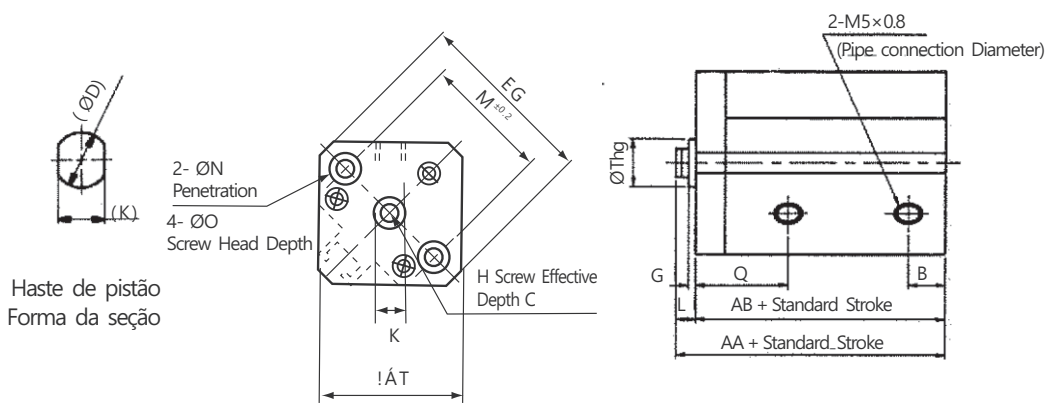
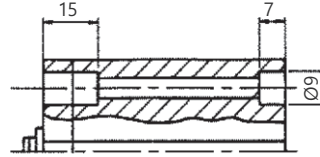
Codificação

| | | | | |
|-------------|-----------------------|-------|-------------------|--|
| CCMK | | - | | |
| Modelo | Diâmetro (mm) | | Curso (mm) | |
| | 20 | 40 | Máx. 50 | |
| | 25 | 50 | | |
| | 32 | 63 | | |
| | Rosca da Haste | | | |
| | F | Fêmea | | |
| | M | Macho | | |

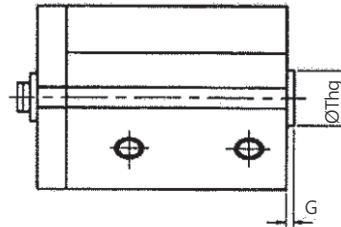


Dimensional

Both-end Tap Type

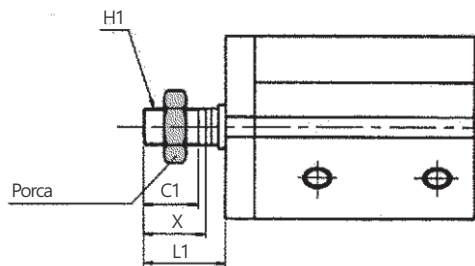


Montagem Traseira



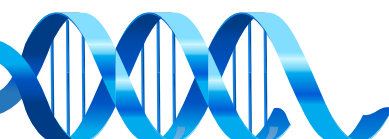
| Montagem Traseira (mm) | | |
|------------------------|---|----------------------|
| Diâmetro (mm) | G | Thg |
| 20 | 2 | 13 ^{+0.043} |
| 25 | 2 | 15 ^{+0.043} |

Rosca Macho / Haste



| Rosca Macho / Haste (mm) | | | | |
|--------------------------|----|----------|------|------|
| Diâmetro (mm) | C1 | H1 | L1 | X |
| 20 | 12 | M8×1.25 | 18.5 | 14 |
| 25 | 15 | M10×1.25 | 22.5 | 17.5 |

| Diâmetro (mm) | Curso (mm) | AA | AB | C | D | EG | B | G | H | K | L | M | N | ØO | Q | ØT |
|---------------|------------|------|------|----|----|----|-----|---|--------|----|-----|----|-----|-----------|----|----|
| 20 | 5~50 | 32 | 27.5 | 7 | 10 | 47 | 5.5 | 2 | M5×0.8 | 8 | 4.5 | 36 | 5.5 | 9 Depth 7 | 17 | 36 |
| 25 | 5~50 | 35.5 | 30.5 | 12 | 12 | 52 | 5.5 | 2 | M6×1.0 | 10 | 5 | 40 | 5.5 | 9 Depth 7 | 19 | 40 |



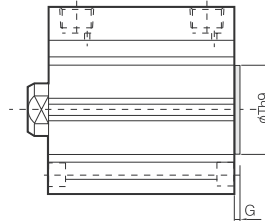
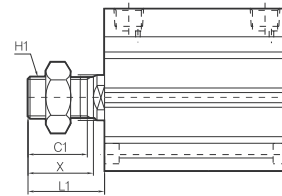
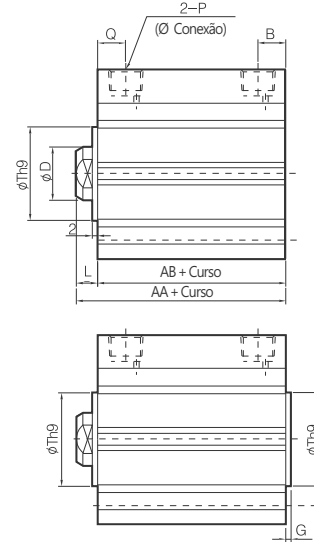
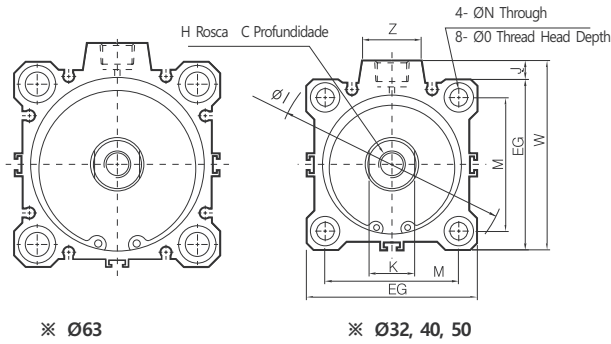


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Tecnologia em Produtos Pneumáticos

Atuador Pneumático Ultra Compacto, Anti-giro – Série CCMK

Dimensional



Rosca Macho / Haste

(Unit : mm)

| Ø (mm) | C1 | H1 | L1 | X |
|--------|------|---------|------|------|
| Ø32 | 20.5 | M14×1.5 | 28.5 | 23.5 |
| Ø40 | 20.5 | M14×1.5 | 28.5 | 23.5 |
| Ø50 | 26 | M18×1.5 | 33.5 | 28.5 |
| Ø63 | 26 | M18×1.5 | 33.5 | 28.5 |

Montagem Traseira

(Unit : mm)

| Ø (mm) | G | Th9 |
|--------|---|-----------------------------------|
| Ø32 | 2 | 21 ⁰ _{-0.052} |
| Ø40 | 2 | 28 ⁰ _{-0.052} |
| Ø50 | 2 | 35 ⁰ _{-0.062} |
| Ø63 | 2 | 35 ⁰ _{-0.062} |

| Ø (mm) | Cursos Padrões | Curso Padrão | | | | | | | | | | | | C | D | EG | H | I | J | K | M | N | ØO | W | Z | ØTh9 |
|--------|----------------|--------------|------|------|------------|------------|------|------------|-----------|-----------|----|-----------|------|----|----|----|---------|-----|-----|----|----|-----|-------------|------|----|-----------------------------------|
| | | Sem sensor | | | | | | Com sensor | | | | | | | | | | | | | | | | | | |
| | | AA | AB | B | L | P | Q | AA | AB | B | L | P | Q | | | | | | | | | | | | | |
| Ø32 | 5 | 39 | 32 | 5.5 | 7 | M5×0.8 | 20.5 | 49 | 42 | 5.5 | 7 | M5×0.8 | 20.5 | 13 | 16 | 45 | M8×1.25 | 60 | 4.5 | 14 | 34 | 5.5 | 9Depth7 | 49.5 | 14 | 21 ⁰ _{-0.052} |
| | 10~50 | 49 | 42 | 7 | Rc(PT) 1/8 | 19.5 | 7.5 | 7 | Rc(PT)1/8 | 19.5 | | | | | | | | | | | | | | | | |
| | 75, 100 | 49 | 42 | 7 | Rc(PT) 1/8 | 19.5 | 7.5 | 7 | Rc(PT)1/8 | 19.5 | | | | | | | | | | | | | | | | |
| Ø40 | 5~50 | 37 | 30 | 8 | 7 | Rc(PT) 1/8 | 11 | 46.5 | 39.5 | 8 | 7 | Rc(PT)1/8 | 11 | 13 | 16 | 52 | M8×1.25 | 69 | 5 | 14 | 40 | 5.5 | 9Depth7 | 57 | 14 | 28 ⁰ _{-0.052} |
| | 75, 100 | 46.5 | 39.5 | 8 | 7 | Rc(PT) 1/8 | 14 | 8 | 7 | Rc(PT)1/8 | 11 | | | | | | | | | | | | | | | |
| | 10~50 | 38.5 | 30.5 | 10.5 | 8 | Rc(PT) 1/4 | 10.5 | 48.5 | 40.5 | 10.5 | 8 | Rc(PT)1/4 | 10.5 | | | | | | | | | | | | | |
| Ø50 | 10~50 | 38.5 | 30.5 | 10.5 | 8 | Rc(PT) 1/4 | 10.5 | 48.5 | 40.5 | 10.5 | 8 | Rc(PT)1/4 | 10.5 | 15 | 20 | 64 | M10×1.5 | 87 | 7 | 17 | 50 | 6.6 | 11Depth8 | 71 | 22 | 35 ⁰ _{-0.052} |
| | 75, 100 | 48.5 | 40.5 | 10.5 | 8 | Rc(PT) 1/4 | 14 | 8 | Rc(PT)1/4 | 10.5 | | | | | | | | | | | | | | | | |
| | 10~50 | 44 | 36 | 10.5 | 8 | Rc(PT) 1/4 | 15 | 54 | 46 | 10.5 | 8 | Rc(PT)1/4 | 15 | | | | | | | | | | | | | |
| Ø63 | 10~50 | 44 | 36 | 10.5 | 8 | Rc(PT) 1/4 | 15 | 54 | 46 | 10.5 | 8 | Rc(PT)1/4 | 15 | 15 | 20 | 77 | M10×1.5 | 103 | 7 | 17 | 60 | 9 | 14Depth10.5 | 84 | 22 | 35 ⁰ _{-0.052} |
| | 75, 100 | 54 | 46 | 10.5 | 8 | Rc(PT) 1/4 | 16.5 | 8 | Rc(PT)1/4 | 15 | | | | | | | | | | | | | | | | |
| | 10~50 | 44 | 36 | 10.5 | 8 | Rc(PT) 1/4 | 15 | 54 | 46 | 10.5 | 8 | Rc(PT)1/4 | 15 | | | | | | | | | | | | | |

