

HCT 2-Jaw Closed-Center Chuck



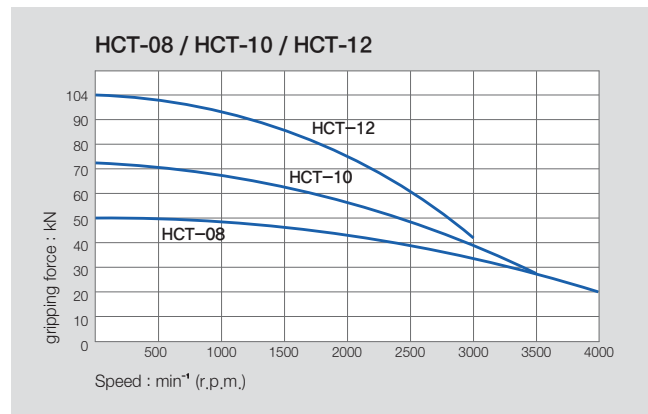
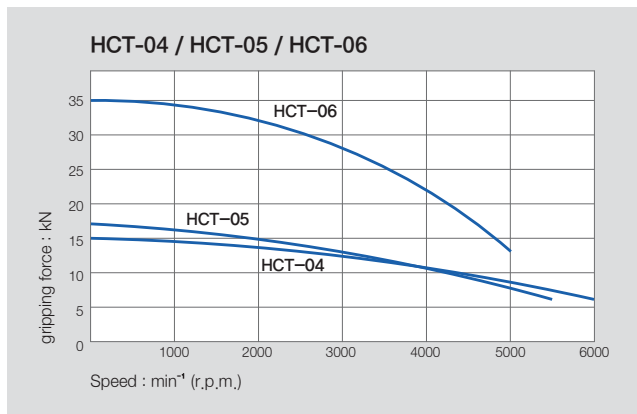
Application / Benefits

Ideal for vertical lathes and square or rectangular work that does not require a through-hole

Technical features

Wedge hook style chuck with high gripping force

ACTUAL GRIPPING FORCE DIAGRAM

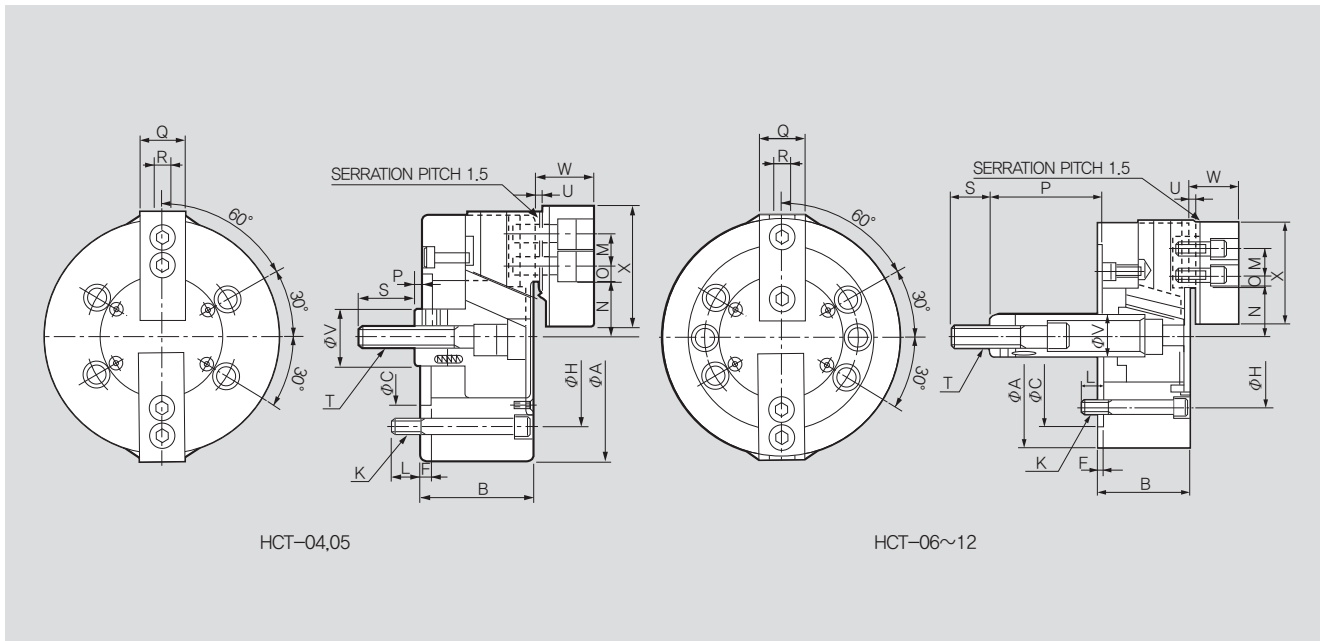


SPECIFICATIONS

| | HCT-04 | HCT-05 | HCT-06 | HCT-08 | HCT-10 | HCT-12 |
|---|-------------|------------|------------|------------|------------|------------|
| Jaw Stroke Dia. [mm] | 6.4 | 6.4 | 8.5 | 8.8 | 8.8 | 10.5 |
| Plunger Stroke [mm] | 14 | 14 | 18.5 | 19 | 25 | 30 |
| Grip Dia. Max [mm] | 110 | 135 | 165 | 210 | 254 | 310 |
| Grip Dia. Min [mm] | 5 | 16 | 14 | 17 | 22 | 22 |
| Max. Permissible Input Force [kN(kgf)] | 5.3(540) | 5.3(540) | 12(1224) | 16.5(1683) | 19.5(1988) | 27.5(2804) |
| Max. Static Gripping Force [kN(kgf)] | 15.2(1550) | 16.9(1713) | 35(3569) | 50(5099) | 72(7342) | 104(10605) |
| Max. r.p.m. [min ⁻¹] | 6000 | 5500 | 5000 | 4000 | 3500 | 3000 |
| Weight [kg] | 3.8 | 5.8 | 11.4 | 22 | 31.6 | 55 |
| Moment of inertia [N · m ² (kg · m ²)] | 0.26(0.027) | 0.59(0.06) | 1.67(0.17) | 5.20(0.53) | 11.5(1.17) | 27.8(2.83) |
| Max. Hydraulic Pressure [MPa(kgf/cm ²)] | 1.68(17.1) | 1.68(17.1) | 1.7(17.3) | 1.6(16.3) | 1.9(19.4) | 1.8(18.4) |
| Operating Cylinder | Y-0715R | Y-0715R | Y-1020R | Y-1225R | Y-1225R | Y-1530R |
| KITAGAWA® Model | NT-04 | NT-05 | NT-06 | NT-08 | NT-10 | NT-12 |

※ Specifications are subject to change without notice.

※ Samchully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.



HCT-04,05

HCT-06~12

※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

DIMENSIONS

| | HCT-04 | HCT-05 | HCT-06 | HCT-08 | HCT-10 | HCT-12 |
|--------------|---------|----------|----------|----------|----------|-----------|
| ΦA | 110 | 135 | 165 | 210 | 254 | 304 |
| B | 52 | 55 | 74 | 85 | 89 | 106 |
| $\Phi C(H6)$ | 60 | 80 | 140 | 170 | 220 | 220 |
| F | 6 | 7 | 5 | 5 | 5 | 6 |
| ΦH | 80 | 100 | 104.8 | 133.4 | 171.4 | 171.4 |
| K | 4-M8x55 | 4-M8x60 | 6-M10x70 | 6-M12x85 | 6-M16x85 | 6-M16x100 |
| L | 12 | 14 | 14 | 20 | 18 | 18 |
| M | 14 | 19 | 20 | 25 | 30 | 30 |
| N max. | 23.3 | 30.4 | 37.8 | 46.3 | 51.1 | 61 |
| N min. | 20.1 | 27.2 | 33.55 | 41.9 | 46.7 | 55.75 |
| O max. | 11.25 | 11.25 | 13.75 | 22.25 | 30.75 | 48.75 |
| O min. | 8.75 | 6.75 | 7.75 | 11.75 | 11.25 | 12.75 |
| P max. | 17 | 6 | 100 | 125 | 158 | 163 |
| P min. | 3 | -8 | 81.5 | 106 | 133 | 133 |
| Q | 23 | 23 | 31 | 0.35 | 40 | 49 |
| R | 10 | 10 | 12 | 14 | 16 | 18 |
| S | 25 | 35 | 36 | 36 | 36 | 36 |
| T | M10x1.5 | M12x1.75 | M16x2.0 | M20x2.5 | M20x2.5 | M20x2.5 |
| U | 3 | 3 | 4 | 5 | 5 | 5 |
| ΦV | 26 | 28 | 34 | 38 | 45 | 50 |
| W | 27 | 29 | 35 | 42 | 46 | 53.5 |
| X | 55 | 62 | 72 | 95 | 110 | 129 |

RELATED PRODUCT

