

HCL 3-Jaw Closed-Center Long-Stroke Chuck



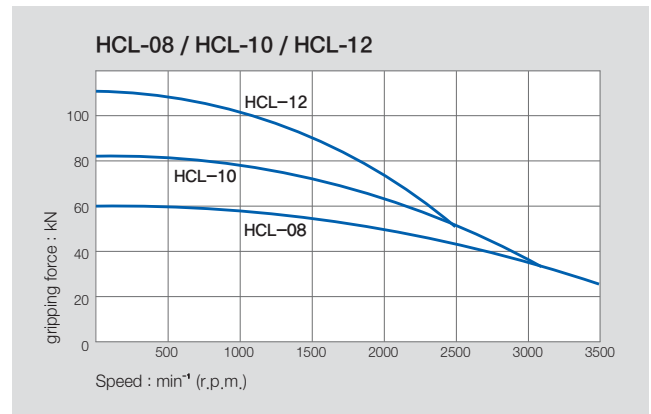
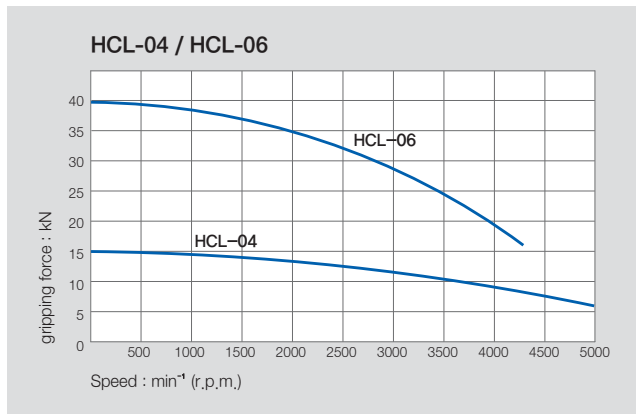
Application / Benefits

ideal for vertical lathes and square or rectangular work that does not require a through-hole
Longer jaw stroke

Technical features

Wedge hook style chuck with high gripping force

ACTUAL GRIPPING FORCE DIAGRAM



SPECIFICATIONS

| | HCL-04 | HCL-06 | HCL-08 | HCL-10 | HCL-12 |
|---|-------------|-------------|-------------|-------------|-------------|
| Jaw Stroke Dia. [mm] | 12.1 | 13 | 16.2 | 18.1 | 19.4 |
| Plunger Stroke [mm] | 15 | 20 | 25 | 28 | 30 |
| Grip Dia. Max [mm] | 110 | 165 | 210 | 254 | 304 |
| Grip Dia. Min [mm] | 12 | 22 | 23 | 27 | 33 |
| Max. Permissible Input Force [kN(kgf)] | 10(1020) | 21(2141) | 30(3059) | 40(4079) | 54(5506) |
| Max. Static Gripping Force [kN(kgf)] | 14.4(1468) | 39(3977) | 60(6118) | 81(8260) | 111(11319) |
| Max. r.p.m. [min ⁻¹] | 5000 | 4300 | 3600 | 3100 | 2500 |
| Weight [kg] | 4.1 | 12 | 22.9 | 34.6 | 60 |
| Moment of inertia [N · m ² (kg · m ²)] | 0.29(0.03) | 1.76(0.18) | 5.39(0.55) | 11.8(1.20) | 28.4(2.90) |
| Max.hydraulic Pressure [MPa(kgf/cm ²)] | 2.9(29.6) | 3.0(29.6) | 2.9(29.6) | 2.8(28.6) | 3.6(36.7) |
| Operating Cylinder | Y-0715R(RE) | Y-1020R(RE) | Y-1225R(RE) | Y-1530R(RE) | Y-1530R(RE) |
| Operating Hard Jaw | HB04N1 | HB06A1 | HB08A1 | HB10A1 | HB12B1 |
| KITAGAWA® Model | NL-04 | 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.

