

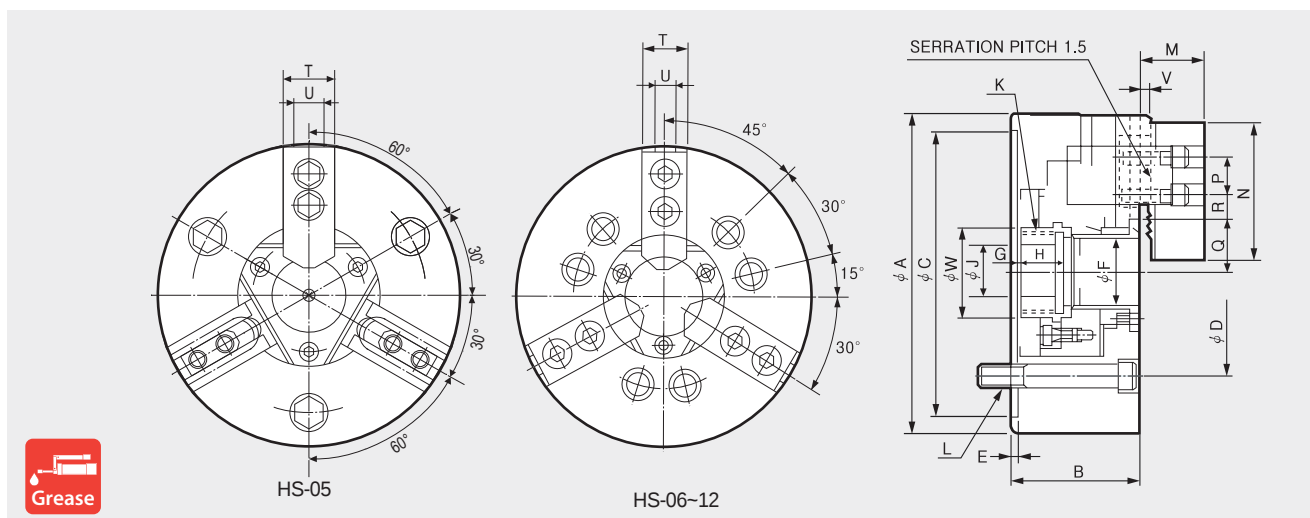
# HS

## Standard 3-Jaw High-Speed Open-Center Chuck



- Standard high-speed 3-jaw wedge-style open-center power chuck

### HYDRAULIC CHUCK



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

### Dimensions

|       | A   | B   | C(H6) | D     | E | F  | Gmax. | Gmin. | H    | J  | Kmax.    | L         | M    | N   | P  | Qmax. | Qmin. | Rmax. | Rmin. | T  | U  | V | W   |
|-------|-----|-----|-------|-------|---|----|-------|-------|------|----|----------|-----------|------|-----|----|-------|-------|-------|-------|----|----|---|-----|
| HS-05 | 135 | 60  | 110   | 82.6  | 4 | 33 | 1     | -9    | 20   | 12 | M42×1.5  | 3-M10×60  | 26   | 54  | 14 | 26.5  | 23.8  | 19.75 | 7.75  | 23 | 10 | 2 | 45  |
| HS-06 | 169 | 81  | 140   | 104.8 | 5 | 46 | 11    | -1    | 19   | 20 | M55×2.0  | 6-M10×95  | 29   | 72  | 20 | 32    | 29.25 | 22.75 | 9.25  | 31 | 12 | 2 | 60  |
| HS-08 | 210 | 91  | 170   | 133.4 | 5 | 52 | 14.5  | -1.5  | 20.5 | 30 | M60×2.0  | 6-M12×105 | 39   | 95  | 25 | 38.7  | 35    | 29.75 | 14.75 | 35 | 14 | 2 | 66  |
| HS-10 | 254 | 100 | 220   | 171.4 | 5 | 77 | 8.5   | -10.5 | 25   | 45 | M85×2.0  | 6-M16×120 | 43   | 110 | 30 | 51    | 46.6  | 33.75 | 14.25 | 40 | 16 | 2 | 94  |
| HS-12 | 304 | 110 | 220   | 171.4 | 6 | 91 | 8     | -15   | 28   | 50 | M100×2.0 | 6-M16×130 | 50.5 | 111 | 30 | 61.3  | 56    | 45.75 | 15.75 | 49 | 21 | 2 | 108 |

※ Blank and machined draw-nuts are available.

※ "K" is Max. Draw nut size.

### Specifications

|       | Thru Hole Diameter.<br>(mm) | Grip Dia.<br>(mm) |      | Jaw STROKE Diameter.<br>(mm) | PLUNGER STROKE<br>(mm) | Permissible Input Force<br>KN(kgf) | Max. Static Gripping Force<br>KN(kgf) | Max. r.p.m<br>min-1(r.p.m.) | weight<br>kgf | GD <sup>2</sup><br>N·m <sup>2</sup> (kgf·m <sup>2</sup> ) | Operating Cylinder  | Max. Hydraulic Pressure<br>MPa(kgf/ cm <sup>2</sup> ) | Operating HARD JAW | KITAGAWA® Model |
|-------|-----------------------------|-------------------|------|------------------------------|------------------------|------------------------------------|---------------------------------------|-----------------------------|---------------|-----------------------------------------------------------|---------------------|-------------------------------------------------------|--------------------|-----------------|
|       |                             | Max.              | Min. |                              |                        |                                    |                                       |                             |               |                                                           |                     |                                                       |                    |                 |
| HS-05 | 33                          | 135               | 12   | 5.4                          | 10                     | 17.5 (1784)                        | 36 (3671)                             | 7000                        | 6.7           | 0.69 (0.07)                                               | SYH-1036            | 3.43 (35.0)                                           | HB04N1             | B-205           |
| HS-06 | 46                          | 169               | 15   | 5.5                          | 12                     | 22 (2243)                          | 57 (5812)                             | 6000                        | 11.9          | 2.26 (0.23)                                               | SH-13046 (SYH-1246) | 2.8 (28.6)                                            | HB06A1             | B-206           |
| HS-08 | 52                          | 210               | 13   | 7.4                          | 16                     | 34.8 (3549)                        | 86 (8769)                             | 5000                        | 22.3          | 6.67 (0.68)                                               | SH-15052 (SYH-1552) | 2.65 (27)                                             | HB08A1             | B-208           |
| HS-10 | 77                          | 254               | 31   | 8.8                          | 19                     | 43 (4385)                          | 111 (11319)                           | 4200                        | 34.5          | 2.36 (1.26)                                               | SH-18077 (SYH-1877) | 2.7 (27.5)                                            | HB10A1             | B-210           |
| HS-12 | 91                          | 304               | 34   | 10.6                         | 23                     | 55 (5608)                          | 144 (14686)                           | 3300                        | 55.3          | 28.93 (2.95)                                              | SYH-2091            | 2.7 (27.5)                                            | HB12N1             | B-212           |

※ Maximum turning speed is based on actual measurements.

※ Specifications are subject to change without notice.

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