

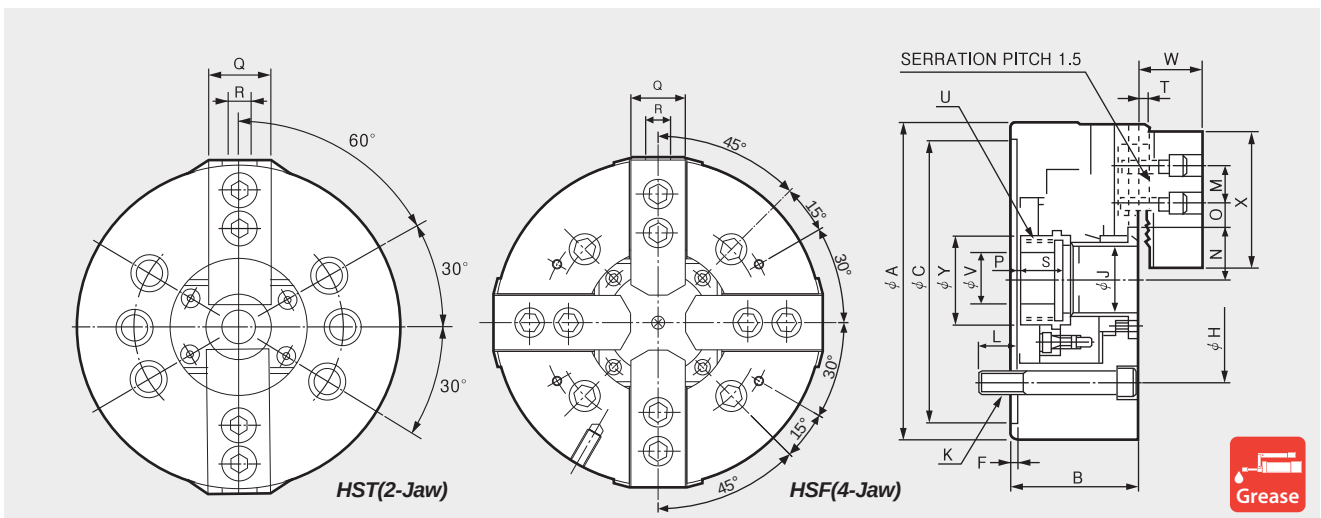
# HST / HSF

2-Jaw, 4-Jaw High-Speed Open-Center Chuck



- 2-jaw, 4-jaw high-speed 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) | F | H     | J  | K         | L  | M  | Nmax. | Nmin. | Omax. | Omin. | Pmin. | Pmax. | Q  | R  | S    | T | Umax.    | V  | W    | X   | Y   |
|--------|-----|-----|-------|---|-------|----|-----------|----|----|-------|-------|-------|-------|-------|-------|----|----|------|---|----------|----|------|-----|-----|
| HST-06 | 169 | 81  | 140   | 5 | 104.8 | 46 | 6-M10×95  | 16 | 20 | 32    | 29.25 | 22.75 | 9.25  | -1    | 11    | 31 | 12 | 19   | 2 | M55×2.0  | 20 | 29   | 66  | 60  |
| HST-08 | 210 | 91  | 170   | 5 | 133.4 | 52 | 6-M12×105 | 20 | 25 | 38.7  | 35    | 30    | 15    | -1.5  | 14.5  | 35 | 14 | 20.5 | 2 | M60×2.0  | 30 | 39   | 95  | 66  |
| HST-10 | 254 | 100 | 220   | 5 | 171.4 | 77 | 6-M16×100 | 22 | 30 | 51    | 46.6  | 34    | 14.5  | -10.5 | 8.5   | 40 | 16 | 25   | 2 | M85×2.0  | 45 | 43   | 110 | 94  |
| HST-12 | 304 | 110 | 220   | 6 | 171.4 | 91 | 6-M16×110 | 23 | 30 | 61.3  | 56    | 45.75 | 15.75 | -15   | 8     | 49 | 21 | 28   | 2 | M100×2.0 | 50 | 50.5 | 111 | 108 |
| HSF-08 | 210 | 91  | 170   | 5 | 133.4 | 52 | 4-M10×105 | -  | 25 | 38.7  | 35    | 29.75 | 14.75 | -1.5  | 14.5  | 35 | 14 | 20.5 | 2 | M60×2.0  | 30 | 39   | 95  | 66  |
| HSF-10 | 254 | 100 | 220   | 5 | 171.4 | 77 | 4-M12×120 | -  | 30 | 51    | 46.6  | 33.75 | 14.25 | -11   | 8.5   | 40 | 16 | 25   | 2 | M85×2.0  | 45 | 43   | 110 | 94  |
| HSF-12 | 304 | 110 | 220   | 5 | 171.4 | 91 | 4-M16×130 | -  | 30 | 61.3  | 56    | 45.75 | 15.75 | -15   | 8     | 50 | 21 | 28   | 2 | M100×2.0 | 50 | 51   | 111 | 108 |

※ Blank and machined draw-nuts are available.

※ "U" is Max. Draw nut size.

## Specifications

|        | Thru Hole Diameter.<br>(mm) | Grip Dia.<br>(mm)<br>Max. Min. | Jaw STROKE<br>Diameter.<br>(mm) | PLUNGER<br>STROKE<br>(mm) | Permissible<br>Input Force<br>KN(kgf) | Max. Static<br>Gripping Force<br>KN(kgf) | Max. r.p.m<br>min <sup>-1</sup> (r.p.m.) | weight<br>kgf | GD <sup>*</sup><br>N · m <sup>2</sup> (kgf · m <sup>2</sup> ) | Operating<br>Cylinder  | Max. Hydraulic<br>Pressure<br>MPa(kgf/cm <sup>2</sup> ) | KITAGAWA <sup>®</sup><br>Model |
|--------|-----------------------------|--------------------------------|---------------------------------|---------------------------|---------------------------------------|------------------------------------------|------------------------------------------|---------------|---------------------------------------------------------------|------------------------|---------------------------------------------------------|--------------------------------|
| HST-06 | 46                          | 169 15                         | 5.5                             | 12                        | 14.5 (1479)                           | 38 (3875)                                | 6000                                     | 115           | 2.21 (0.225)                                                  | SH-13046<br>(SYH-1246) | 1.85 (18.9)                                             | BT-206                         |
| HST-08 | 52                          | 210 14                         | 7.4                             | 16                        | 23.2 (2366)                           | 57.3 (5843)                              | 5000                                     | 21.3          | 6.47 (0.66)                                                   | SH-15052<br>(SYH-1552) | 1.80 (18.4)                                             | BT-208                         |
| HST-10 | 77                          | 254 31                         | 8.8                             | 19                        | 28.5 (2906)                           | 74 (7546)                                | 4200                                     | 33.5          | 12.06 (1.23)                                                  | SH-18077<br>(SYH-1877) | 1.80 (18.4)                                             | BT-210                         |
| HST-12 | 91                          | 304 34                         | 10.6                            | 23                        | 36.7 (3742)                           | 96 (9789)                                | 3300                                     | 52            | 27.46 (2.8)                                                   | SH-21091<br>(SYH-2091) | 1.81 (18.5)                                             | BT-212                         |
| HSF-08 | 52                          | 210 13                         | 7.4                             | 16                        | 23.2 (2366)                           | 57.3 (5843)                              | 5000                                     | 22.5          | 6.67 (0.68)                                                   | SH-15052<br>(SYH-1552) | 1.8 (18.4)                                              | -                              |
| HSF-10 | 77                          | 254 31                         | 8.8                             | 19                        | 28.5 (2906)                           | 74 (7546)                                | 4200                                     | 34.5          | 1.23 (0.13)                                                   | SH-18077<br>(SYH-1877) | 1.8 (18.4)                                              | -                              |
| HSF-12 | 91                          | 304 34                         | 10.6                            | 23                        | 36.7 (3742)                           | 96 (9789)                                | 3300                                     | 52            | 27.47 (2.8)                                                   | SYH-2091               | 2.8 (28.5)                                              | -                              |

※ Maximum turning speed is based upon actual measurement.

※ Specifications are subject to change without notice.

※ Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa<sup>®</sup> Iron Works Co., Ltd.