



**CHUCK**

# Closed Centre Power Chuck (Long Stroke, Direct Mount)

## NL-A series

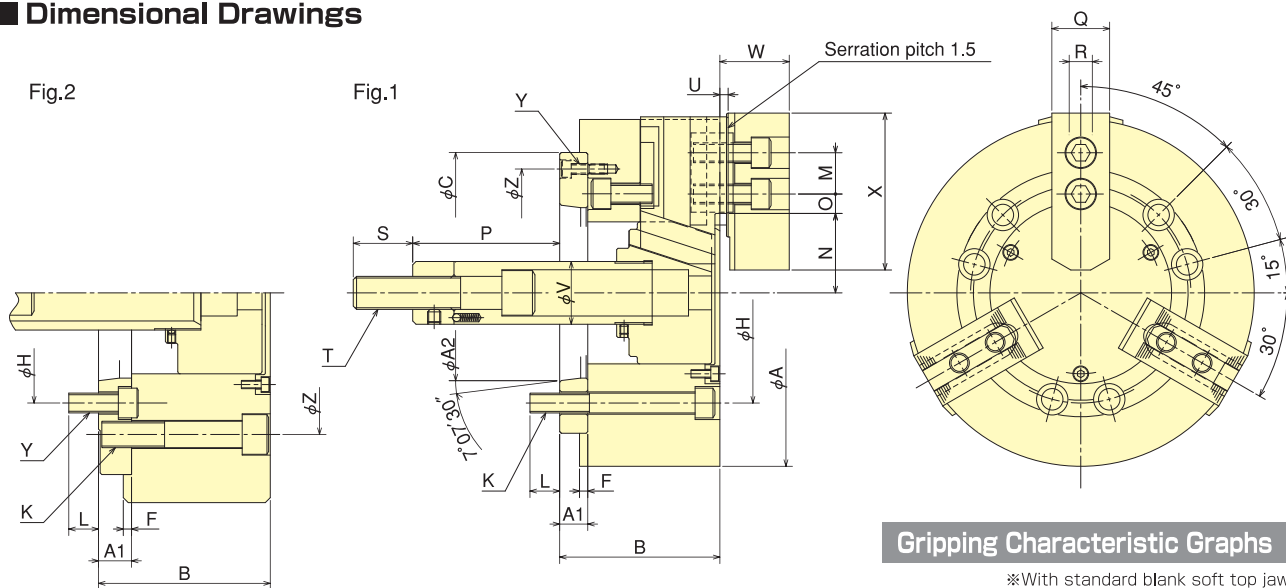
**Chuck Adaptor is equipped to suit Spindle Nose Flange work securely gripped**

\* CE correspondence



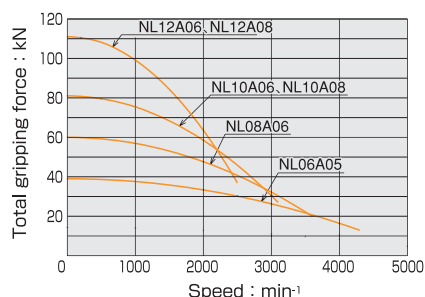
Standard Chuck

### Dimensional Drawings



### Gripping Characteristic Graphs

\*With standard blank soft top jaw.



### Dimensions \*NL10A06 and NL12A06 are based on Fig. 2.

| Dimensions Model | A   | B   | C   | F | H     | K     | L  | M  | N max. | N min. | O max. | O min. | P max. | P min. | Q  | R  | S  | T   | U | V  | W  | X   | Y     | Z     | A1 | A2      |
|------------------|-----|-----|-----|---|-------|-------|----|----|--------|--------|--------|--------|--------|--------|----|----|----|-----|---|----|----|-----|-------|-------|----|---------|
| NL06A05          | 165 | 84  | 140 | 5 | 104.8 | 6-M10 | 14 | 20 | 40.5   | 34     | 13.75  | 9.25   | 86.5   | 66.5   | 31 | 12 | 36 | M16 | 4 | 34 | 35 | 72  | 3-M6  | 116   | 15 | 82.563  |
| NL08A06          | 210 | 97  | 170 | 5 | 133.4 | 6-M12 | 18 | 25 | 48.1   | 40     | 20.75  | 11.75  | 114    | 89     | 35 | 14 | 36 | M20 | 5 | 38 | 42 | 95  | 3-M6  | 150   | 17 | 106.375 |
| NL10A06          | 254 | 104 | 220 | 5 | 133.4 | 6-M16 | 18 | 30 | 54.4   | 45.35  | 29.5   | 11.5   | 141    | 113    | 40 | 16 | 36 | M20 | 5 | 45 | 46 | 110 | 6-M12 | 171.4 | 20 | 106.375 |
| NL10A08          | 254 | 102 | 220 | 5 | 171.4 | 6-M16 | 25 | 30 | 54.4   | 45.35  | 29.5   | 11.5   | 143    | 115    | 40 | 16 | 36 | M20 | 5 | 45 | 46 | 110 | 3-M8  | 190   | 18 | 139.719 |
| NL12A06          | 304 | 120 | 220 | 6 | 133.4 | 6-M16 | 18 | 30 | 65.7   | 56     | 42.75  | 12.75  | 3      | -27    | 50 | 18 | 46 | M24 | 5 | 50 | 54 | 129 | 6-M12 | 171.4 | 20 | 106.375 |
| NL12A08          | 304 | 118 | 220 | 6 | 171.4 | 6-M16 | 25 | 30 | 65.7   | 56     | 42.75  | 12.75  | 1      | -29    | 50 | 18 | 46 | M24 | 5 | 50 | 54 | 129 | 3-M8  | 190   | 18 | 139.719 |

### Specifications

| Specifications Model | Gripping range mm |      | Jaw Stroke (diameter) mm | Plunger Stroke mm | Max. Draw Bar Pull Force kN (kgf) | Max. Gripping Force kN (kgf) | Max. Speed min⁻¹ | Net Weight with Soft top jaws kg | Moment of inertia kg·m² | Matching Cylinder | Max. pressure MPa (kgf/cm²) | Matching Soft top jaw | Matching Hard top jaw | Spindle nose size |
|----------------------|-------------------|------|--------------------------|-------------------|-----------------------------------|------------------------------|------------------|----------------------------------|-------------------------|-------------------|-----------------------------|-----------------------|-----------------------|-------------------|
|                      | Max.              | Min. |                          |                   |                                   |                              |                  |                                  |                         |                   |                             |                       |                       |                   |
| NL06A05              | 165               | 22   | 13                       | 20                | 21 (2141)                         | 39 ( 3977)                   | 4300             | 12.5                             | 0.048                   | Y1020R            | 3.0 (30.6)                  | SB06B1                | HB06B1                | A2-5              |
| NL08A06              | 210               | 23   | 16.2                     | 25                | 30 (3059)                         | 60 ( 6118)                   | 3600             | 24.5                             | 0.148                   | Y1225R            | 2.9 (29.6)                  | SB08B1                | HB08A1                | A2-6              |
| NL10A06              | 254               | 27   | 18.1                     | 28                | 40 (4079)                         | 81 ( 8260)                   | 3100             | 40                               | 0.335                   | Y1530R            | 2.8 (28.6)                  | SB10A1                | HB10A1                | A2-6              |
| NL10A08              | 254               | 27   | 18.1                     | 28                | 40 (4079)                         | 81 ( 8260)                   | 3100             | 37.6                             | 0.326                   | Y1530R            | 2.8 (28.6)                  | SB10A1                | HB10A1                | A2-8              |
| NL12A06              | 304               | 32   | 19.4                     | 30                | 54 (5506)                         | 111 (11319)                  | 2500             | 64.6                             | 0.759                   | Y1530R            | 3.6 (36.7)                  | SB12A1                | HB12B1                | A2-6              |
| NL12A08              | 304               | 32   | 19.4                     | 30                | 54 (5506)                         | 111 (11319)                  | 2500             | 63                               | 0.750                   | Y1530R            | 3.6 (36.7)                  | SB12A1                | HB12B1                | A2-8              |