

- Oil feed through spindle wall
- 3 jaws

LONG STROKE  
INCH SERRATION

## Application/customer benefits

- Machining of bars / shafts
- For special applications / special machines / rotary tables
- Complete spindle bore can be used

**HYDL-S:** Long stroke INCH SERRATION 3/32" x 90°

## Technical features

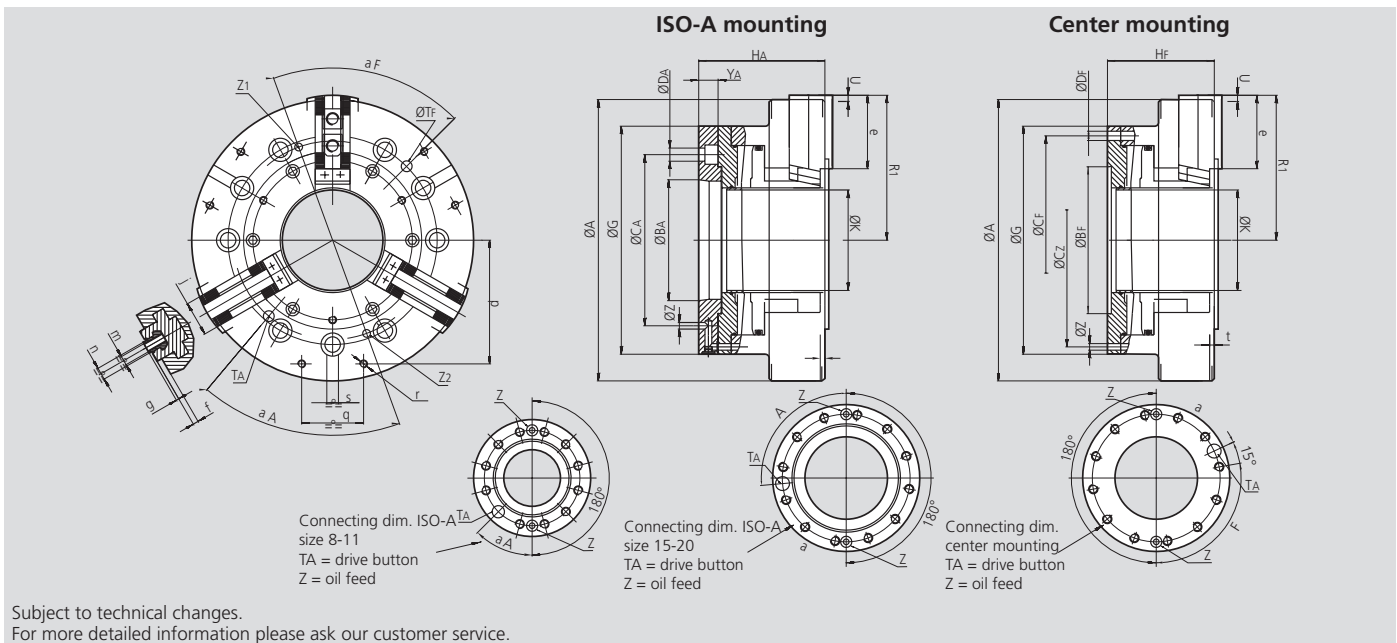
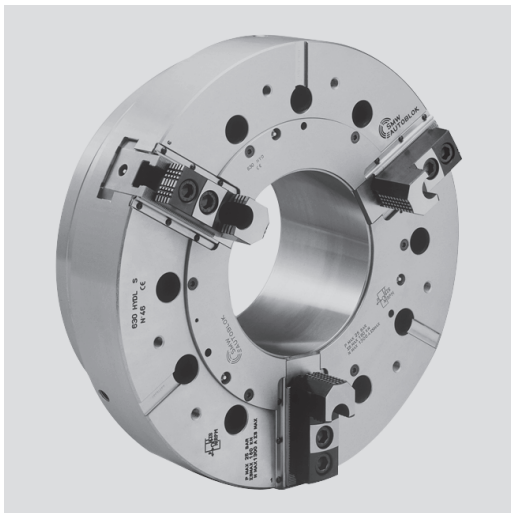
- Power chuck with big through hole, wedge hook design
- Built in cylinder with safety valves
- Chuck body case hardened
- Special mounting dimensions on request

## Standard equipment

3 jaw chuck  
1 set T-nuts with bolts  
1 set of top jaws  
Mounting bolts

## Ordering example

3 jaw chuck HYDL-S 500 A11



## Technical data

| SMW-AUTOBLOK Type         |                   | HYDL-S 500  | HYDL-S 630   | HYDL-S 800   |
|---------------------------|-------------------|-------------|--------------|--------------|
| Radial jaw stroke         | mm (inch)         | 11 (0.43")  | 13.5 (0.53") | 13.5 (0.53") |
| Max. pressure             | bar (psi)         | 30 (435)    | 25 (363)     | 25 (363)     |
| Max. gripping force       | kN (lbf)          | 150 (33721) | 250 (56202)  | 250 (56202)  |
| Max. speed                | r.p.m.            | 1600        | 1300         | 1000         |
| Moment of inertia         | kg·m <sup>2</sup> | 5.1         | 16           | 48           |
| Weight (without top jaws) | kg (lbs)          | 160 (353)   | 310 (683)    | 580 (1279)   |

## Dimensions type HYDL-S

| Type       | A   | G   | K   | R1 open | U stroke     | e   | f  | g   | j  | m   | n    | Z  |
|------------|-----|-----|-----|---------|--------------|-----|----|-----|----|-----|------|----|
|            | mm  | mm  | mm  | mm      | mm (inch)    | mm  | mm | mm  | mm | mm  | mm   | mm |
| HYDL-S 500 | 500 | 400 | 180 | 256     | 11.0 (0.43") | 116 | 9  | 3.5 | 62 | M20 | 25.5 | 10 |
| HYDL-S 630 | 630 | 540 | 250 | 323     | 13.5 (0.53") | 140 | 9  | 3.5 | 62 | M20 | 25.5 | 10 |
| HYDL-S 800 | 800 | 540 | 250 | 405     | 13.5 (0.53") | 165 | 9  | 3.5 | 75 | M20 | 25.5 | 12 |

## Dimensions of chucks with center mounting

| All types Size | Bf H6 | Cf    | Cz    | Df | Hf  | Yf | Tf | αf   |
|----------------|-------|-------|-------|----|-----|----|----|------|
|                | mm    | mm    | mm    | mm | mm  | mm | mm | deg. |
| Ø 500          | 300   | 350   | 330.2 | 17 | 185 | 6  | 20 | 65°  |
| Ø 630          | 380   | 463.6 | 463.6 | 27 | 210 | 6  | 24 | 65°  |
| Ø 800          | 380   | 463.6 | 463.6 | 27 | 220 | 6  | 24 | 65°  |

## Dimensions of chucks with ISO-A mounting

| All types Size | BA J4   | CA    | DA | HA  | αA   | ZA |
|----------------|---------|-------|----|-----|------|----|
|                | mm      | mm    | mm | mm  | deg. | mm |
| Ø 500 A11      | 196.869 | 235   | 21 | 220 | 45°  | 10 |
| Ø 500 A15      | 285.775 | 330.2 | 25 | 225 | 85°  | 12 |
| Ø 630 A15      | 285.775 | 330.2 | 25 | 250 | 85°  | 12 |
| Ø 630 A20      | 412.775 | 463.6 | 27 | 230 | 85°  | 12 |
| Ø 800 A20      | 412.775 | 463.6 | 27 | 240 | 85°  | 12 |