

# LVS



### APPLICATION

Pneumatic actuation of power chucks or special clamping devices (full or partial hollow clamping).

### TYPE

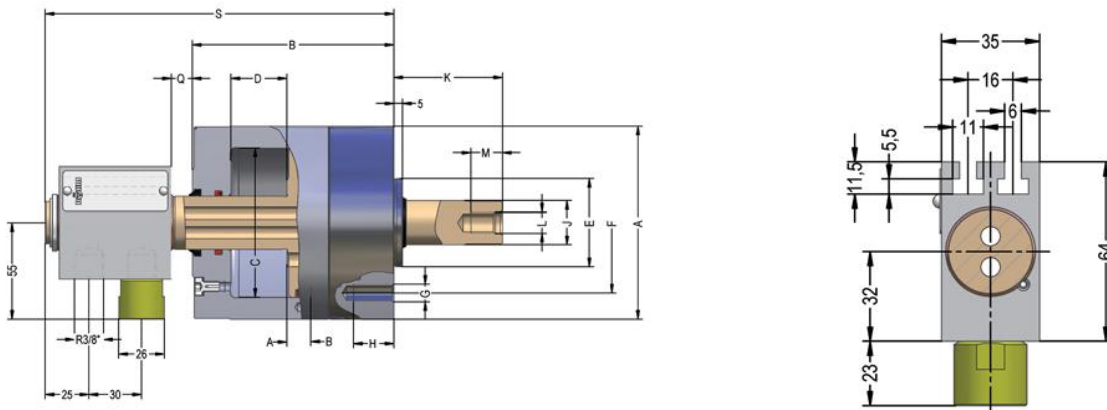
Clamping cylinders without through-hole for actuation pressure 2-10 bar.

### CUSTOMER BENEFITS

- ☉ Operational safety thanks to standard safety mechanism, guaranteed even if there is a pressure drop during spindle rotation
- ☉ Flexible use thanks to possible horizontal or vertical installation position

### TECHNICAL FEATURES

- Stroke control by means of inductive proximity system or linear path measuring system F90, fastened on the machine side (stroke control system not included in the scope of delivery)
- The maximum permissible speed can be run in continuous operation (100% ED)
- Can also be actuated during rotation
- On request with central media feed-through



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LVS Air actuating cylinders without through-hole, with safety mechanism and stroke control

| Item no.   | 096553   | 096554   | 096555  | 096556   | 096557   | 096558   | 096560   |
|--|----------|----------|---------|----------|----------|----------|----------|
| Size   | 85       | 105      | 130     | 150      | 200      | 250      | 350      |
| A mm   | 110      | 130      | 155     | 180      | 240      | 287      | 387      |
| B mm   | 115      | 115      | 117     | 128      | 125      | 125      | 148      |
| C mm   | 85       | 105      | 130     | 150      | 200      | 250      | 350      |
| Stroke D mm  | 32       | 32       | 32      | 32       | 32       | 32       | 45       |
| Eh6 mm   | 50       | 50       | 80      | 95       | 95       | 125      | 125      |
| F mm   | 80       | 80       | 105     | 145      | 145      | 170      | 170      |
| G  | 3 x M 10 | 3 x M 10 | 3x M 12 | 4 x M 16 | 4 x M 16 | 6 x M 16 | 6 x M 16 |
| H mm   | 23       | 23       | 27      | 35       | 35       | 35       | 35       |
| J mm   | 25       | 25       | 25      | 25       | 35       | 35       | 35       |
| K max.   | 62       | 88       | 79      | 74       | 87       | 87       | 82       |
| K min.   | 30       | 56       | 47      | 42       | 55       | 55       | 37       |
| L  | M 12     | M 12     | M 16    | M 16     | M 24     | M 24     | M 24     |
| M mm   | 18       | 18       | 24      | 24       | 36       | 36       | 36       |
| Q max.   | 44       | 44       | 44      | 44       | 44       | 44       | 57       |
| Q min.   | 12       | 12       | 12      | 12       | 12       | 12       | 12       |
| S max.   | 231      | 231      | 233     | 244      | 241      | 241      | 277      |
| S min.   | 199      | 199      | 201     | 212      | 209      | 209      | 232      |
| Piston area A cm <sup>2</sup>                      | 49,7     | 79,5     | 125,7   | 169,6    | 307,1    | 483,8    | 955      |
| Piston area B cm <sup>2</sup>                      | 51,8     | 81,7     | 127,8   | 171,8    | 304,5    | 481,5    | 952,5    |
| Eff. draw bar pull (F=6 bar) kN                    | 3        | 4,80     | 7,50    | 10       | 18       | 28,50    | 56,50    |
| Max. admissible speed min <sup>-1</sup>            | 5000     | 5000     | 5000    | 5000     | 4500     | 4000     | 3200     |
| Air consumption for full double stroke at 6 bar NL | 2,8      | 4,6      | 6,5     | 7,5      | 12,5     | 18       | 50       |
| Moment of inertia J kgm <sup>2</sup>               | 0,007    | 0,009    | 0,03    | 0,06     | 0,09     | 0,10     | 0,45     |
| Weight approx. kg                                  | 5,3      | 6,5      | 9       | 12,5     | 19,5     | 23       | 32,5     |

Air operated cylinders without through-hole