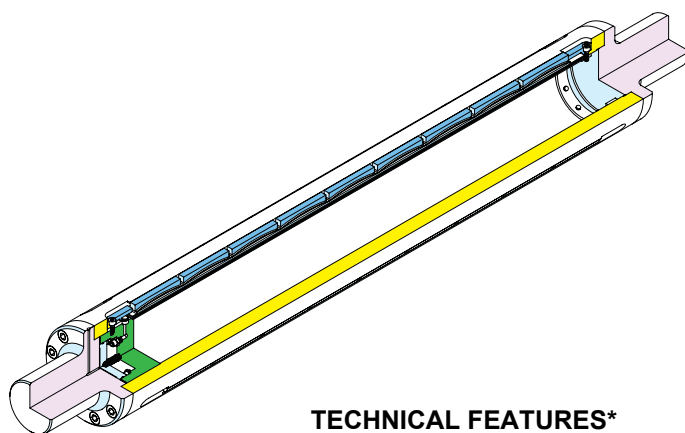
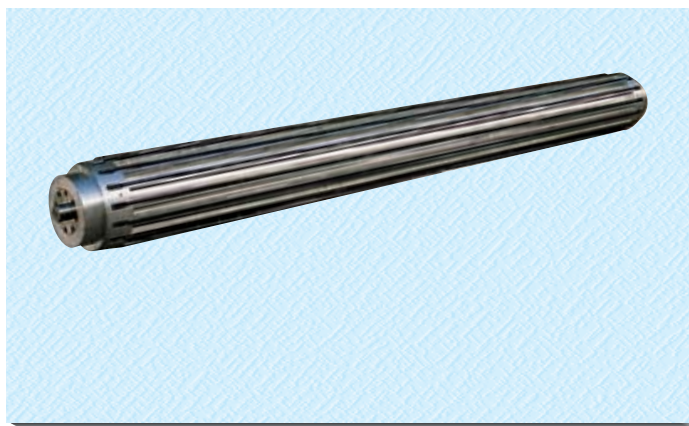


# PNEUMATIC EXPANDING SHAFTS WITH LEDGES



## TECHNICAL FEATURES\*

|                 |                              |
|-----------------|------------------------------|
| Core diameter   | from 38 to 600 mm            |
| Face width      | up to 9000 mm                |
| Expansion range | 8 mm                         |
| Balancing       | up to 2200 rpm               |
| Air pressure    | min. 5 bar (suggested 6 bar) |

The Model 640/PL is recommended for unwinding or rewinding rolls with cores. It can be used for all types of cores, multiple rolls, and larger diameter requirements. The body of the shaft is available in a variety of light alloys or in a variety of steel, and expanders in steel, rubber, plastic or in combination, depending from the applications. The journal ends are also available in a variety of steels and are always custom-made. Expansion is obtained by a system of inflatable tubes that are located beneath each row of expanders. Each tube exerts pressure equally to engage the expanders when air is applied. This system results in greater self-centering qualities than other pneumatic shafts presently available. On request, tubes can be independent; this way, any leakage in one tube deflates only the broken one whilst the adjacent tubes continue to hold the core. Tube changes are quick and easy, accomplished without journal removal. Hex sockets free both expanders and tube for a quick procedure.

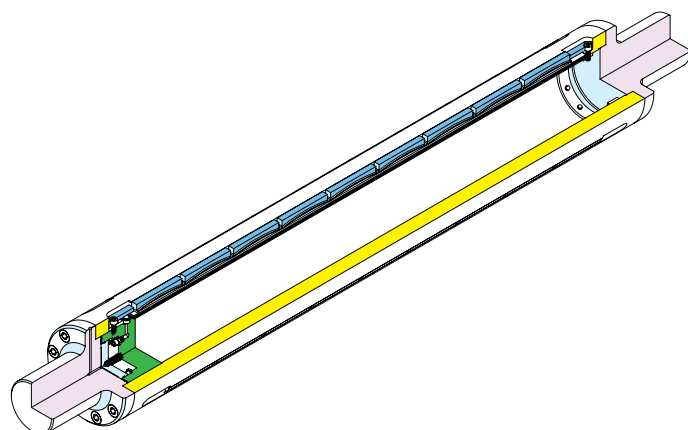
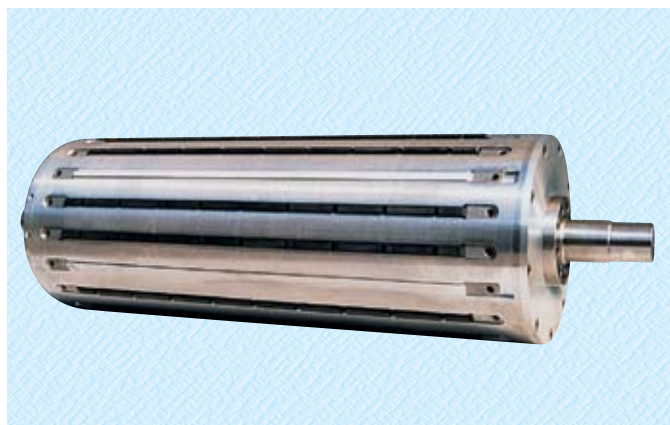
Standard sizes available for this Model are listed below, but are available in other sizes for a custom order. Contact your SVECOM representative for details.



|                                          | on light alloy |       |       |       | on steel |       |       |       |
|------------------------------------------|----------------|-------|-------|-------|----------|-------|-------|-------|
|                                          | 70/76          | 100   | 120   | 150   | 70/76    | 100   | 120   | 150   |
| Core diameter in mm                      | 70/76          | 100   | 120   | 150   | 70/76    | 100   | 120   | 150   |
| Number of leaves on circumference        | 5              | 6     | 7     | 9     | 5        | 6     | 7     | 9     |
| Max carrying capacity in N (steel body)  | 7000           | 12000 | 22000 | 30000 | 13000    | 19000 | 34000 | 38000 |
| Max torque in Nm/cm with cardboard cores | 6,2            | 9,8   | 14,4  | 22    | 6,2      | 9,8   | 14,4  | 22    |
| Max torque in Nm/cm with steel cores     | 6,7            | 10,6  | 15,7  | 24    | 6,7      | 10,6  | 15,7  | 24    |
| Shaft weight (without journal) in N/cm   | 1,05           | 1,35  | 1,90  | 2,30  | 1,94     | 2,57  | 3,28  | 5,43  |

\*Contact your SVECOM representative for Non-Standard requirements.

# PNEUMATIC SELF- EXPANDING SHAFTS WITH LEDGES



The 640/PQL shaft grants a perfect unwind and rewind with cores at high linear speeds. It is equipped with the tested SVECOM self-centering air system, with metal centering ledges and rubber gripping ledges. It can be used for all types of cores, multiple rolls and larger diameter requirements. The shaft body is available in a variety of steels and light alloys. The journal ends are also available in a variety of steels and are always custom made. Expansion is obtained by a system of inflatable tubes that are located beneath each row of expandors. Tube changes are quick and easy, accomplished without journal removal.

Standard sizes available for this Model are listed below, but are available in other sizes for a custom order.

Contact your SVECOM representative for details.

## TECHNICAL FEATURES\*

|                 |                              |
|-----------------|------------------------------|
| Core diameter   | from 70 to 300 mm            |
| Shaft length    | up to 9000 mm                |
| Expansion range | 8 mm                         |
| Air pressure    | min. 5 bar (suggested 6 bar) |



|                                         | steel |       |       |       | alu construction |       |       |       |
|-----------------------------------------|-------|-------|-------|-------|------------------|-------|-------|-------|
| Core diameter in mm                     | 70/76 | 100   | 120   | 150   | 70/76            | 100   | 120   | 150   |
| Number of lugs on circumference         | 6     | 6     | 8     | 9     | 6                | 6     | 8     | 9     |
| Max carrying capacity per chuck in N    | 13000 | 19000 | 34000 | 38000 | 7000             | 12000 | 22000 | 30000 |
| Max torque in Nm with cardboard cores   | 4,5   | 7     | 10    | 15    | 4,5              | 7     | 10    | 15    |
| Max torque in Nm with steel cores       | 4,7   | 7.5   | 11    | 17    | 4,7              | 7.5   | 11    | 17    |
| Shaft weight (without journals) in N/cm | 1,9   | 2,6   | 3,2   | 5,5   | 1                | 1,4   | 1,8   | 2,4   |

\*Contact your SVECOM representative for Non-Standard requirements.