Hi-Force

HHA | SINGLE ACTING HOLLOW PISTON ALUMINIUM CYLINDERS



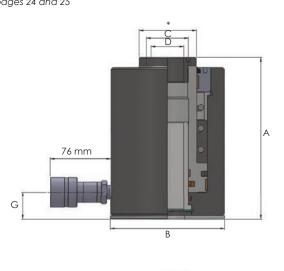
Capacities from 18 to 52 tonnes

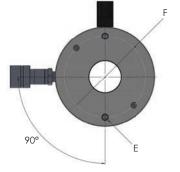
Stroke lengths from 51 to 105 mm

Working pressure 700 bar

*see pages 24 and 25

- Lightweight aluminium cylinders for applications where weight and portability are of prime importance
- Single acting, spring assisted return
- Hollow piston design for pulling, pressing and tensioning applications
- Hard anodised piston rod and cylinder for corrosion resistance and increased durability
- Steel base plate to protect cylinder body
- ► Low friction bearing surfaces
- Anti-extrusion seals for improved performance at high pressures
- Grooved saddles fitted as standard on all models
- Optional piston rod saddles listed on pages 24 and 25
- Customised and special design cylinders
- are available on request





| Model number | Capacity (tonnes) | Stroke (mm) | Oil capacity (cm³) | Cylinder eff. area (cm²) | Weight (kg) | Handles |
|-----------------|----------------------|----------------|-----------------------|-----------------------------|----------------|---------|
| HHA182 | 18 | 51 | 129 | 25.2 | 3.6 | - |
| HHA372 | 37 | 51 | 266 | 52.1 | 7.2 | - |
| HHA504 | 52 | 105 | 765 | 72.8 | 13.4 | 1 |

| Dimensions (mm) (unless otherwise stated) | | | | | | | | | | | |
|---|-----|----|----|--------|-----|----|--|--|--|--|--|
| Α | В | с | D | E | F | G | | | | | |
| 175 | 98 | 36 | 26 | M8x10 | 66 | 26 | | | | | |
| 193 | 136 | 50 | 39 | M10x15 | 105 | 32 | | | | | |
| 280 | 160 | 65 | 51 | M10x15 | 130 | 39 | | | | | |

Note: If specifying this cylinder for use with the SLF and SLV synchronous lifting systems and associated mounting kit, please consider the increase in dimension A (closed height), see pages 44 and 48.