

# BENCOR (Pty) Ltd.

Hydraulic cylinders



## Hydraulic clamps type HSE and HSA

Hydraulic clamps type HSE and HSA are single-acting power elements equipped with return springs which are used in hydraulic fixtures where only a very restricted space is available for the generation of high forces with limited piston movement. The type HSE is designed as a screw-in cylinder whereas type HSA is manifold mounting. These clamps are available, depending on application with piston diameters between 12 and 40 mm and strokes between 2 and 25 mm. They are mainly used for clamping work pieces, slides a. guides, indexing round tables and for bending punching and cutting purposes.

**Nomenclature:** Hydraulic clamps

**Design:** Screw-in  
Manifold mounting

**P<sub>max</sub>:** 500 bar

**F<sub>max</sub>:** 200 ... 60000 N



### Basic types and general parameters

Basic type and size	Stroke (mm)	F <sub>max</sub> (N) with (500 bar)	Oper. pressure p <sub>max</sub> bar	Connection thread	Symbol
HSE 12	2 .. 8	5500	500	M 20 x 1,5	
HSE 16	3 .. 12	10000		M 24 x 1,5	
HSE 20	4 .. 20	15000		M 30 x 1,5	
HSE 24	5 .. 20	23000		M 36 x 1,5	
HSA 32	20	40000	---	---	
HSA 40	25	60000	---	---	

### Order examples

#### HSE 24 - 15

Hydraulic screw-in clamps type HSE, piston diameter 24 mm, stroke 15 mm

#### HSA 32 - 20

Manifold mounting hydraulic clamps type HSA, piston diameter 32 mm, stroke 20 mm