



C & C HYDRAULICS LTD

STANDARD CYLINDERS — LOCKING SYSTEMS

Hydraulic Locking Systems

Mechanical load locks for mobile hydraulics · fail-safe spring lock or double acting hydraulic lock

200 bar

Max working pressure

2

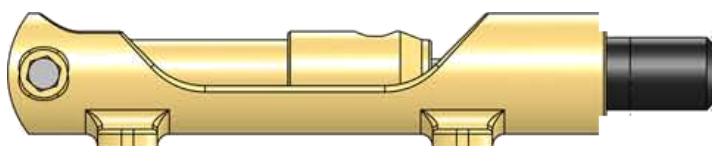
Locking options in the range

Ø30 mm

STS hardened locking pin

40 mm

Hydra Lock stroke



Range overview

Part No	Product	Operation	Locking element	Mounting	Ports
STS.LOCKING.KIT	STS Locking Kit	Spring applied, hydraulic release (fail-safe)	Ø30 mm hardened pin, 35 mm travel	4 × Ø9 mm holes	1/8" BSP
71220.40HYL	Hydra Lock	Double acting – pressure to lock and unlock	Ø27 mm pin, 40 mm stroke	Ø80 mm flange, 4 × M12 × 1.75	1/8" BSP

Key features

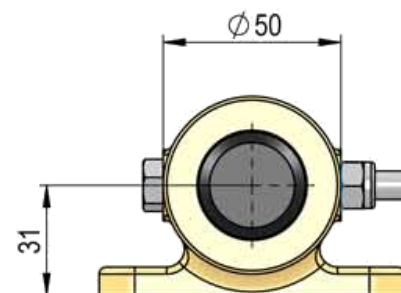
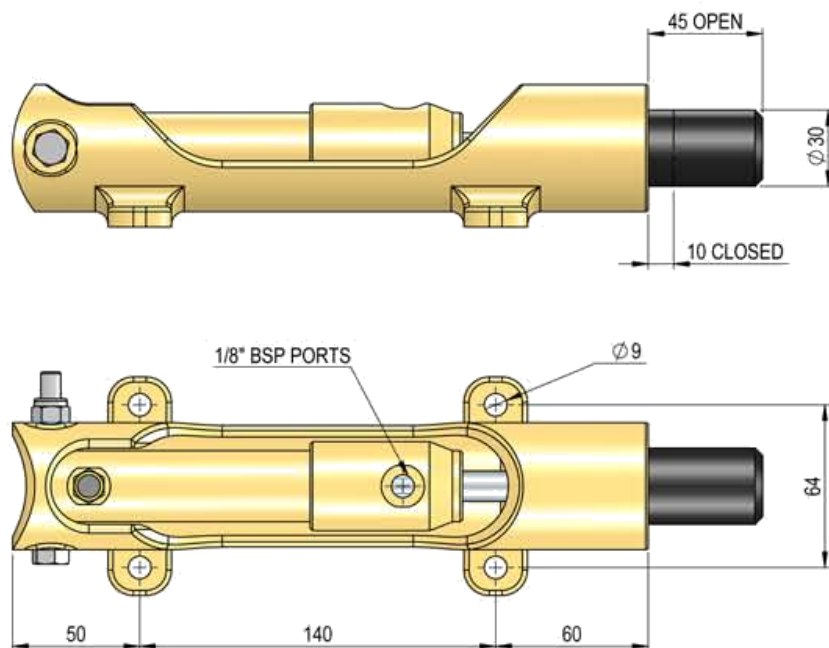
- Mechanically holds the load in position – ideal for mobile applications where the load must not move
- STS Locking Kit: cast steel zinc-plated housing, spring-loaded single acting cylinder, hardened Ø30 mm pin
- Hydra Lock: compact self-contained double acting unit with Ø80 mm flange mount
- Max working pressure 200 bar, 1/8" BSP ports on both units

Installer note: the STS lock is fail-safe – it only releases when it receives a pilot signal. The circuit must let the pilot line open to tank so the locking pin can deploy. The Hydra Lock needs pressure both to deploy and to unlock; for automatic locking use R930001421 sequence valves.



STS Locking Kit STS.LOCKING.KIT

Fail-safe spring-applied hydraulic lock · Ø30 mm hardened locking pin · 4-hole foot mounting



KEY DIMENSIONS

Locking pin	Ø30 mm
Pin extended	45 mm
Pin retracted	10 mm
Mounting holes	4 × Ø9 mm
Ports	1/8" BSP
Max pressure	200 bar



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STS Locking Kit STS.LOCKING.KIT

Technical Data Sheet

Ø30^{mm}

Hardened pin

35^{mm}

Pin travel

250^{mm}

Overall length

200^{bar}

Max pressure

Dimensions

Locking pin	Ø30 mm, hardened	Body diameter	Ø50 mm
Pin protrusion – open	45 mm	Pin centre height	31 mm
Pin protrusion – closed	10 mm	Mounting holes	4 × Ø9 mm
Pin travel	35 mm	Hole centres (length)	140 mm
Overall length	250 mm	Hole centres (across)	64 mm
Ports	1/8" BSP	End dimensions	50 mm / 60 mm

Specification

Item	Specification
Type	Single acting, spring-loaded hydraulic cylinder
Operation	Spring applied (locked); releases on hydraulic pilot signal
Max working pressure	200 bar
Housing	Cast steel, zinc plated
Locking pin	Hardened, Ø30 mm
Fluid	Hydraulic mineral oil

Features

- Fail-safe: the pin stays locked unless the hydraulic pilot signal is present
- Cast steel housing, zinc plated
- Hardened 30 mm locking pin
- Ideal for mobile applications where the load must be held mechanically

Installer note: the lock releases only when it receives a pilot signal from the hydraulic circuit. The circuit design must allow the pilot signal to open to the tank line so the locking pin can deploy.

Ordering: quote part number **STS.LOCKING.KIT**. Dimensions in mm; drawings not to scale.



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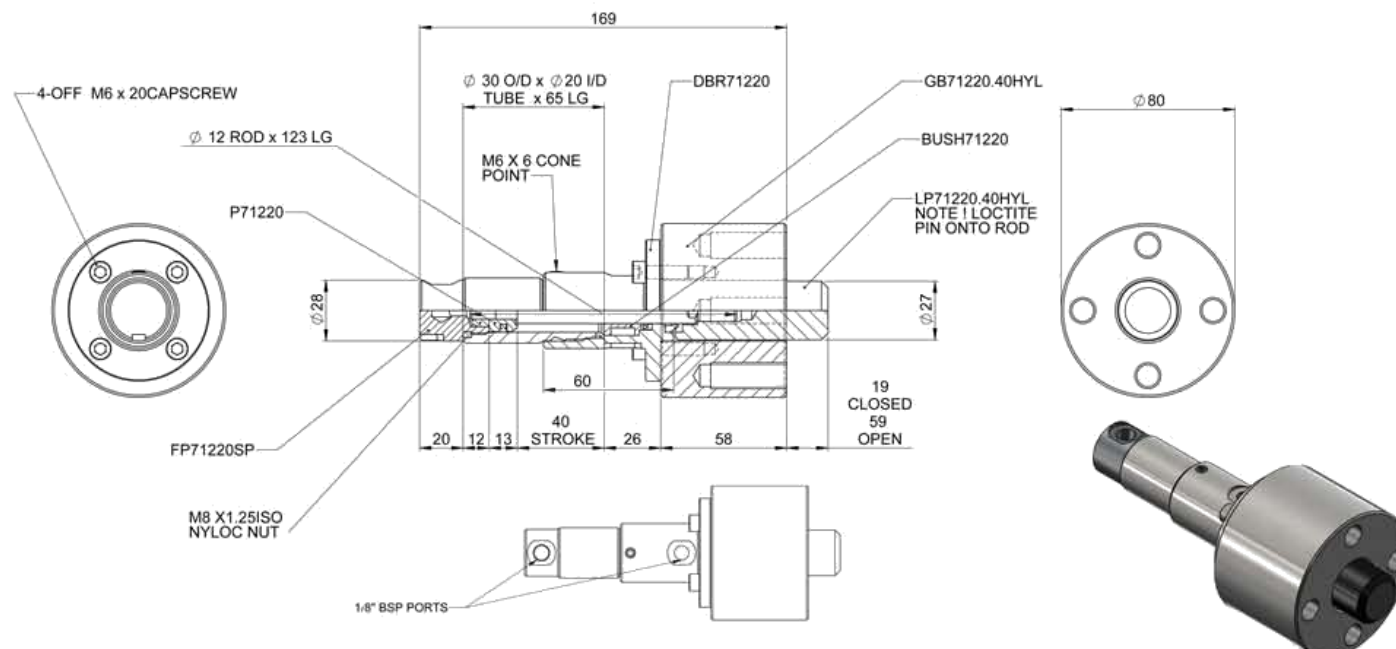
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — LOCKING SYSTEMS — UNIT 2 OF 2

Hydra Lock 71220.40HYL

Self-contained double acting hydraulic lock · 40 mm stroke · Ø80 mm flange mount



KEY DIMENSIONS

Bore × rod	20 × 12 mm
Stroke	40 mm
Pin closed / open	19 / 59 mm
Flange	Ø80 mm
Ports	1/8" BSP
Max pressure	200 bar



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C & C HYDRAULICS — LOCKING SYSTEMS — UNIT 2 OF 2

Hydra Lock 71220.40HYL

Technical Data Sheet

40 mm

Stroke

169 mm

Overall length

Ø80 mm

Flange diameter

200 bar

Max pressure

Dimensions

Bore × rod	20 × 12 mm	Flange diameter	Ø80 mm
Stroke	40 mm	Locking pin	Ø27 mm
Pin protrusion – closed	19 mm	Cylinder body	Ø28 mm
Pin protrusion – open	59 mm	Tube	Ø30 OD × Ø20 ID × 65 mm
Overall length	169 mm	Rod	Ø12 × 123 mm
Ports	1/8" BSP × 2	Mounting	4 × M12 × 1.75 female

Specification

Item	Specification
Type	Self-contained double acting hydraulic lock
Operation	Pressure required to deploy and to unlock
Push / pull force at 200 bar	6.3 kN (0.64 t) / 4.0 kN (0.41 t)
Max working pressure	200 bar
Auto-lock option	Use R930001421 sequence valves
Fluid	Hydraulic mineral oil

Features

- Compact, self-contained double acting lock
- Positive hydraulic control in both directions
- Flange mounted via 4 × M12 × 1.75 female holes
- Auto-lock possible with R930001421 sequence valves

Installer note: the Hydra Lock requires pressure both to deploy and to unlock. If an automatic locking system is required, use R930001421 sequence valves.

Ordering: quote part number **71220.40HYL**. Dimensions in mm; drawings not to scale.