



C & C HYDRAULICS LTD

STANDARD CYLINDERS — SINGLE ACTING

Hydraulic Brake Cylinders

Dismountable single acting brake cylinders · 110 mm stroke · 3/8" BSP port · eye, clevis or spring-return styles

200 bar

Max working pressure

110 mm

Stroke
(all sizes)

25–35 mm

Rod diameter options

3

Mounting styles in the range



Range overview

Part No	Style	Rod ØA	ØG	Stroke	Closed centres	Weight	Oil vol.
625F/110	Standard (eye)	25 mm	45 mm	110 mm	260 mm	2.2 kg	0.08 L
630F/110	Standard (eye)	30 mm	45 mm	110 mm	260 mm	2.68 kg	0.10 L
635F/110	Standard (eye)	35 mm	45 mm	110 mm	260 mm	3.26 kg	0.13 L
VF25	Clevis	25 mm	45 mm	110 mm	320 mm	2.5 kg	0.08 L
VF30	Clevis	30 mm	45 mm	110 mm	320 mm	2.97 kg	0.10 L
VF35	Clevis	35 mm	50 mm	110 mm	320 mm	3.56 kg	0.13 L
VFP25	Spring return	25 mm	45 mm	110 mm	–	–	0.08 L

Key features

- Dismountable single acting construction – easy to service
- Steel rod 35MnV6 machined, ground, nitrided and polished (Ra < 0.2 micron); tube to NF A49-311
- Compact polyurethane lip seal and polyurethane wiper on the rod
- Yellow zinc plated cylinder and accessories, nitrided rod
- Marked with tube reference, CH and week/year of manufacture

Operating limits: max working pressure 200 bar, max speed 0.5 m/s, temperature –30 °C to +90 °C, hydraulic mineral oil.
Recommendations: check oil cleanliness; do not weld on the cylinder or tube.



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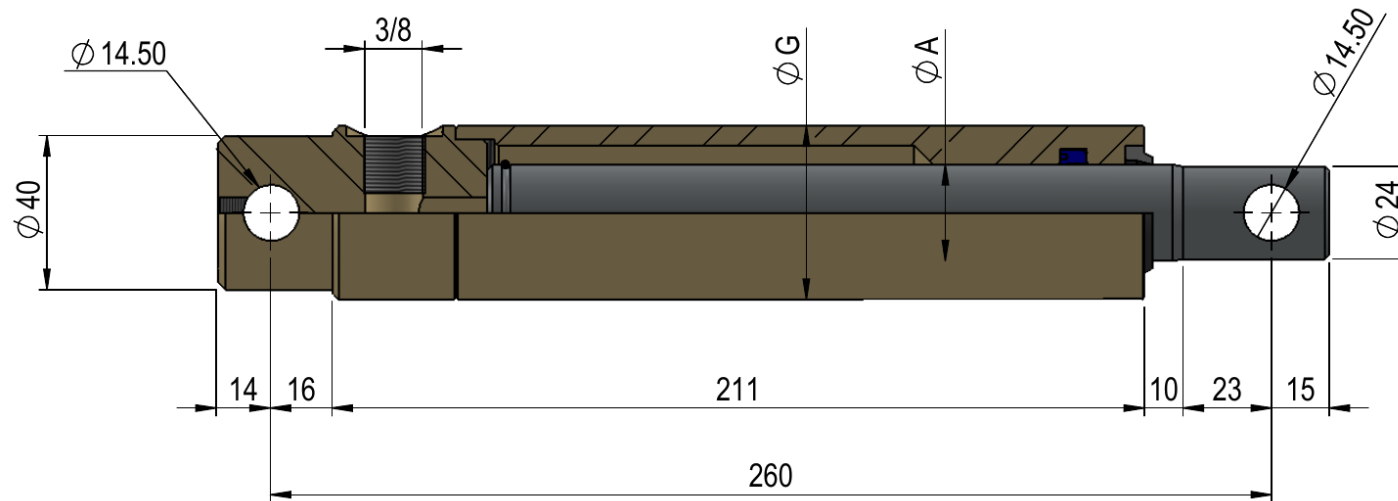
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — BRAKE CYLINDERS — STYLE 1 OF 3

Standard Brake Cylinder

Eye mounting both ends · Ø14.5 mm pin holes · 260 mm closed centres



KEY DIMENSIONS

Stroke	110 mm
Closed centres	260 mm
Open centres	370 mm
Pin holes	Ø14.5 mm
Body	Ø40 mm
Port	3/8" BSP



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C & C HYDRAULICS — BRAKE CYLINDERS — STYLE 1 OF 3

Standard Brake Cylinder

Technical Data Sheet

110 mm

Stroke

260 mm

Closed centres

370 mm

Open centres

200 bar

Max pressure

Sizes available

Part No	Rod ØA	ØG	Stroke	Oil vol.	Weight
625F/110	25 mm	45 mm	110 mm	0.08 L	2.2 kg
630F/110	30 mm	45 mm	110 mm	0.10 L	2.68 kg
635F/110	35 mm	45 mm	110 mm	0.13 L	3.26 kg

Dimensions

Closed centres	260 mm	Pin holes	Ø14.5 mm (both ends)
Open centres	370 mm	Body diameter	Ø40 mm
Body length	211 mm	Rod end	Ø24 mm, cross-drilled
Port	3/8" BSP	End dims	14 / 16 / 10 / 23 / 15 mm

Specification

Item	Specification
Type	Dismountable single acting brake cylinder
Max working pressure	200 bar
Max speed · temperature	0.5 m/s · -30 °C to +90 °C
Fluid	Hydraulic mineral oil
Rod	35MnV6, machined, ground, nitrided, polished Ra < 0.2 micron
Tube	NF A49-311
Seals	Polyurethane compact lip seal + polyurethane wiper
Finish	Cylinder & accessories yellow zinc plated; rod nitrided
Testing	Manual



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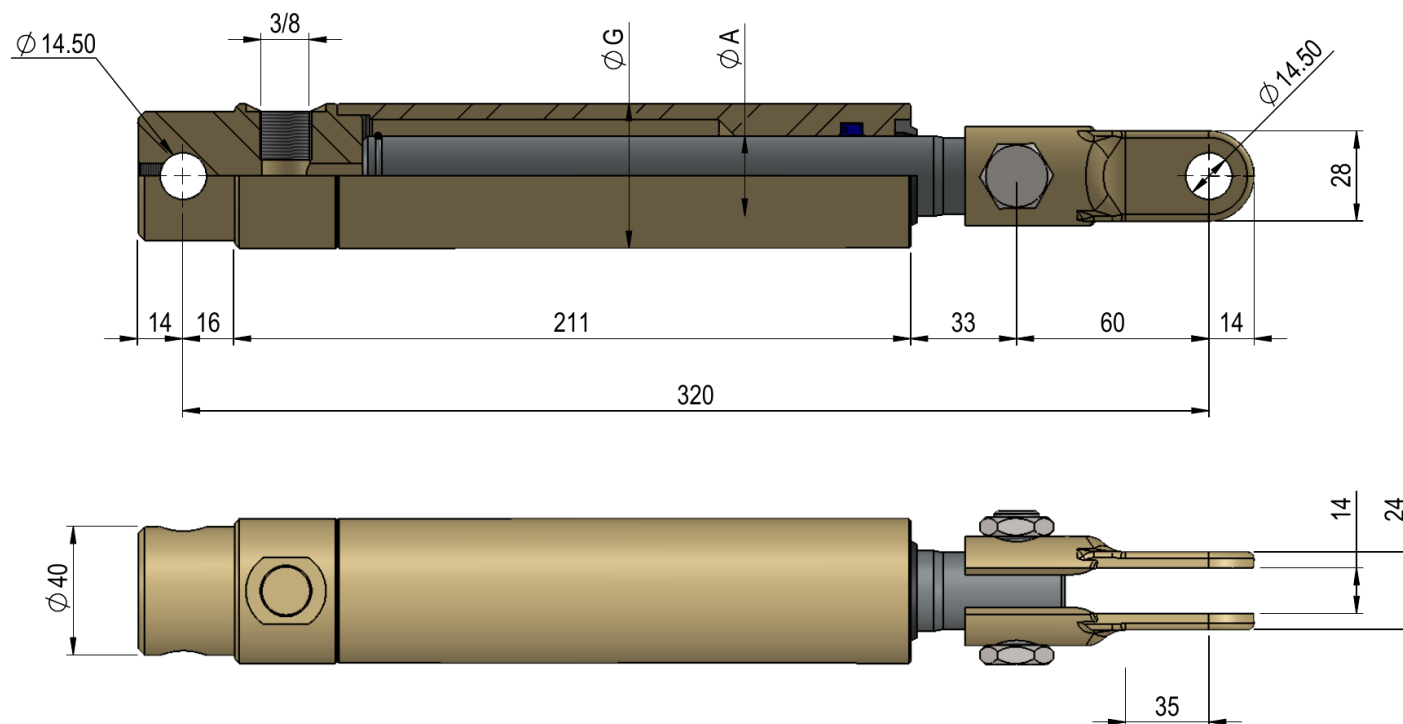
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — BRAKE CYLINDERS — STYLE 2 OF 3

Clevis Style Brake Cylinder

Eye base, clevis rod end · Ø14.5 mm pin holes · 320 mm closed centres



KEY DIMENSIONS

Stroke	110 mm
Closed centres	320 mm
Open centres	430 mm
Pin holes	Ø14.5 mm
Clevis slot	14 mm
Port	3/8" BSP



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C & C HYDRAULICS — BRAKE CYLINDERS — STYLE 2 OF 3

Clevis Style Brake Cylinder

Technical Data Sheet

110 mm

Stroke

320 mm

Closed centres

430 mm

Open centres

200 bar

Max pressure

Sizes available

Part No	Rod ØA	ØG	Stroke	Oil vol.	Weight
VF25	25 mm	45 mm	110 mm	0.08 L	2.5 kg
VF30	30 mm	45 mm	110 mm	0.10 L	2.97 kg
VF35	35 mm	50 mm	110 mm	0.13 L	3.56 kg

Dimensions

Closed centres	320 mm	Pin holes	Ø14.5 mm (both ends)
Open centres	430 mm	Body diameter	Ø40 mm
Body length	211 mm	Clevis	28 mm deep, 14 mm slot, 24 mm wide
Port	3/8" BSP	Clevis length	60 mm (35 mm slot depth)

Specification

Item	Specification
Type	Dismountable single acting brake cylinder
Max working pressure	200 bar
Max speed · temperature	0.5 m/s · -30 °C to +90 °C
Fluid	Hydraulic mineral oil
Rod	35MnV6, machined, ground, nitrided, polished Ra < 0.2 micron
Tube	NF A49-311
Seals	Polyurethane compact lip seal + polyurethane wiper
Finish	Cylinder & accessories yellow zinc plated; rod nitrided
Testing	Manual



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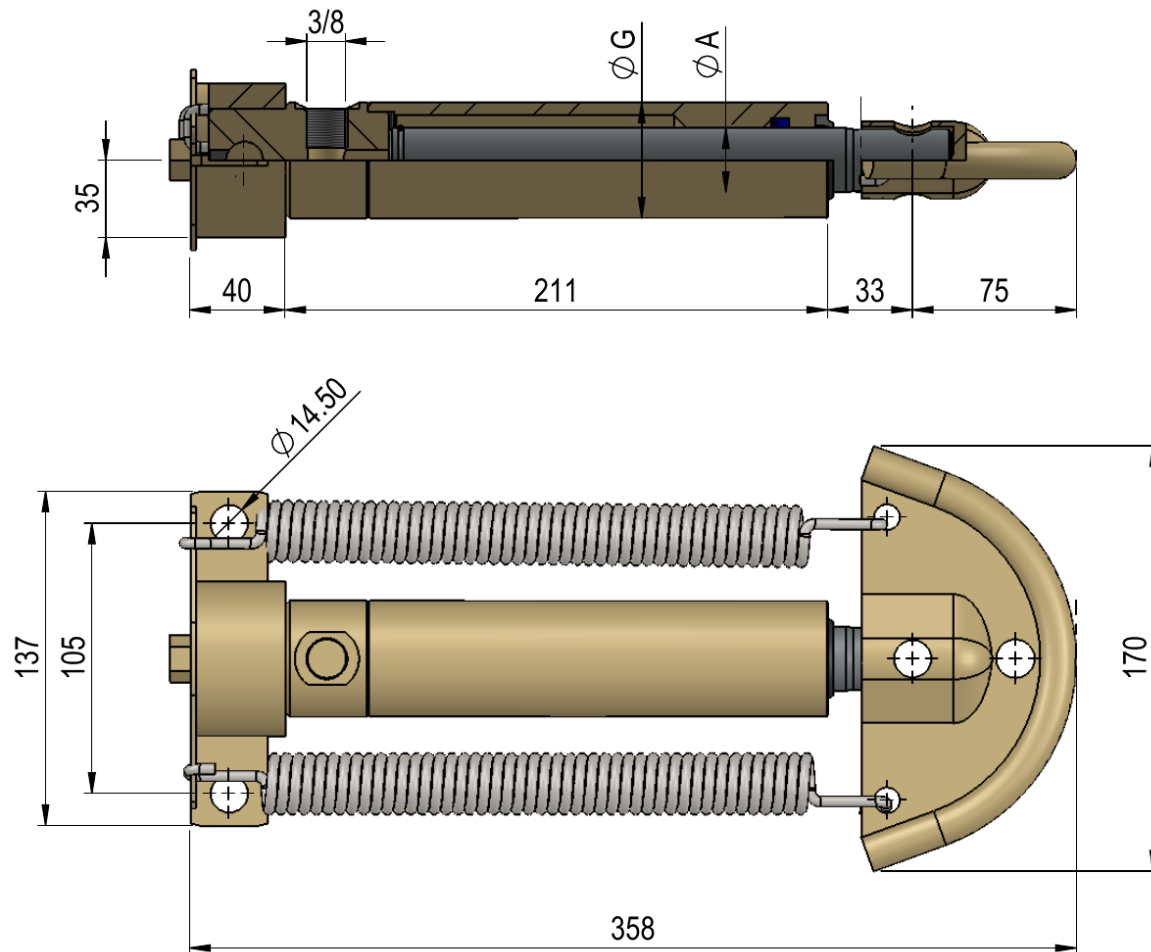
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — BRAKE CYLINDERS — STYLE 3 OF 3

Spring Return Brake Cylinder

Flange mount with twin return springs · 358 mm overall length



KEY DIMENSIONS

Overall length	358 mm
Overall width	170 mm
Flange holes	Ø14.5 mm
Hole centres	105 / 137 mm
Body length	211 mm
Port	3/8" BSP



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C & C HYDRAULICS — BRAKE CYLINDERS — STYLE 3 OF 3

Spring Return Brake Cylinder

Technical Data Sheet

358^{mm}

Overall length

170^{mm}

Overall width

Ø14.5^{mm}

Flange holes

200^{bar}

Max pressure

Sizes available

Part No	Rod ØA	ØG	Stroke	Oil vol.	Weight
VFP25	25 mm	45 mm	110 mm	0.08 L	TBC

Dimensions

Overall length	358 mm	Flange hole centres	105 mm / 137 mm
Overall width	170 mm	Flange holes	Ø14.5 mm
Body length	211 mm	Flange to body	40 mm
Port	3/8" BSP	Rod end / pusher	33 mm + 75 mm

Specification

Item	Specification
Type	Dismountable single acting brake cylinder
Max working pressure	200 bar
Max speed · temperature	0.5 m/s · -30 °C to +90 °C
Fluid	Hydraulic mineral oil
Rod	35MnV6, machined, ground, nitrided, polished Ra < 0.2 micron
Tube	NF A49-311
Seals	Polyurethane compact lip seal + polyurethane wiper
Finish	Cylinder & accessories yellow zinc plated; rod nitrided
Testing	Manual