



C & C HYDRAULICS LTD

STANDARD CYLINDERS — DOUBLE ACTING

706 Series Hydraulic Cylinders

100 mm bore × 50 mm rod · 300–900 mm stroke · 1/2" BSP ports · pin-eye mounting both ends

200 bar

Max working
pressure

100×50 mm

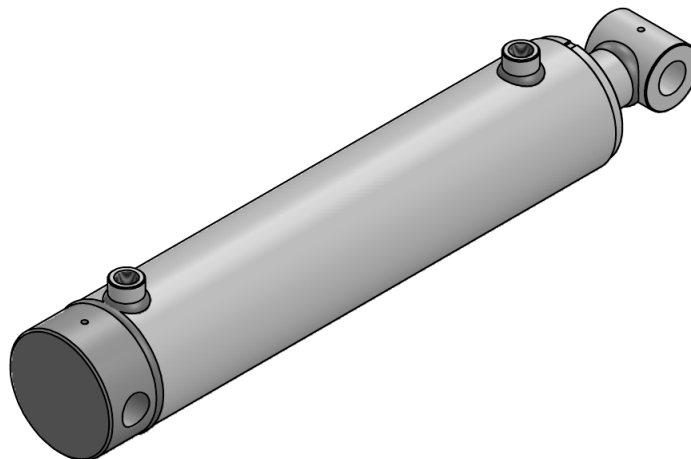
Bore × rod
diameter

16.0 t

Push force
at 200 bar (157.1 kN)

12.0 t

Pull force
at 200 bar (117.8 kN)



Range overview

Part No	Stroke	Closed centres	Tube (ID × OD × length)	Rod (Ø × length)	Weight	Oil vol.
706/3	300 mm	525 mm	100 × 115 × 413	50 × 465	25 kg	2.50 L
706/4	400 mm	625 mm	100 × 115 × 513	50 × 565	28.5 kg	3.30 L
706/5	500 mm	725 mm	100 × 115 × 613	50 × 665	32 kg	4.10 L
706/6	600 mm	825 mm	100 × 115 × 713	50 × 765	35.5 kg	4.71 L
706/7	700 mm	925 mm	100 × 115 × 813	50 × 865	39.1 kg	5.65 L
706/9	900 mm	1125 mm	100 × 115 × 1013	50 × 1065	46.1 kg	7.25 L

Key features

- Double acting – powered in both directions for controlled extension and retraction
- Cross-drilled base eye and rod-end eye, both with Ø30.25 mm pin holes
- 1/2" BSP ports, CK45 chrome-plated rod, ST52.3 honed tube, SK50/100 seal kit
- Every cylinder 100% tested by pneumatic pressure-drop detection
- Supplied in black primer, marked with part reference and week/year of manufacture

Operating limits: max working pressure 200 bar, proof pressure 300 bar, max speed 0.5 m/s, temperature –30 °C to +90 °C, hydraulic mineral oil. Forces are theoretical at 200 bar. Need a different stroke, finish or mounting? Call us on 01535 617880.



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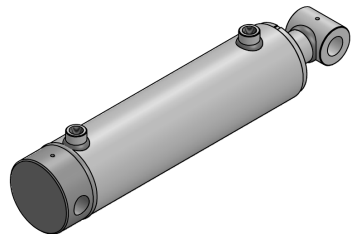
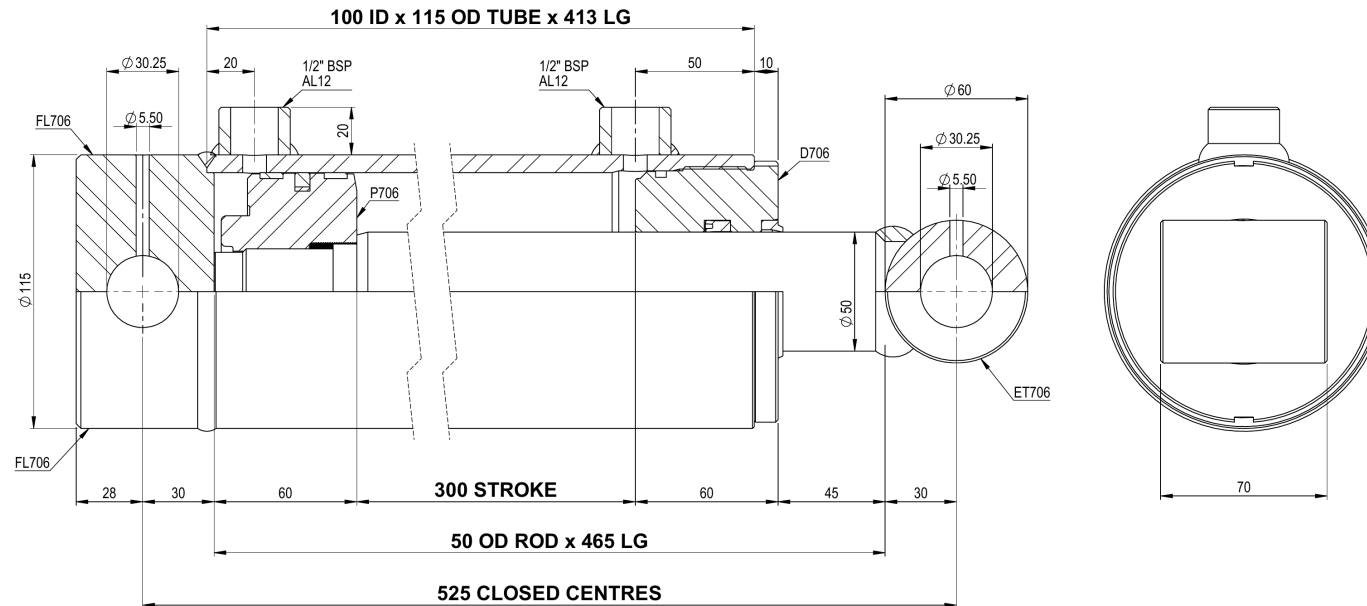
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 706 SERIES — UNIT 1 OF 6

706/3

Double acting hydraulic cylinder · 100 bore × 50 rod × 300 stroke · 525 mm closed centres



KEY DIMENSIONS

Bore × rod	100 × 50 mm
Stroke	300 mm
Closed centres	525 mm
Open centres	825 mm
Ports	1/2" BSP
Weight	25 kg



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C & C HYDRAULICS — 706 SERIES — UNIT 1 OF 6

706/3

Technical Data Sheet

300^{mm}

Stroke

525^{mm}

Closed centres

825^{mm}

Open centres

25^{kg}

Weight

Dimensions

Bore	100 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	50 mm	Rod-end eye	Ø60 mm × 70 mm wide
Stroke	300 mm	Base / body diameter	Ø115 mm
Closed centres	525 mm	Tube	100 ID × 115 OD × 413 mm
Open centres	825 mm	Rod	50 OD × 465 mm
Ports	1/2" BSP × 2	Oil volume (full stroke)	2.50 L

Performance & construction

Item	Specification
Push force at 200 bar	157.1 kN (16.02 t)
Pull force at 200 bar	117.8 kN (12.01 t)
Max working / proof pressure	200 bar / 300 bar
Max speed · temperature	0.5 m/s · -30 °C to +90 °C
Fluid	Hydraulic mineral oil
Rod material	CK45, chrome plated
Tube material	ST52.3
Seal kit	SK50/100
Finish	Black primer
Weight	25 kg

Standard features

- Double acting, pin-eye mounted at both ends
- 100% tested by pneumatic pressure-drop detection
- Tube marked with part reference, CH and week/year of manufacture

Ordering: quote part number **706/3** (drawing ref 706/3-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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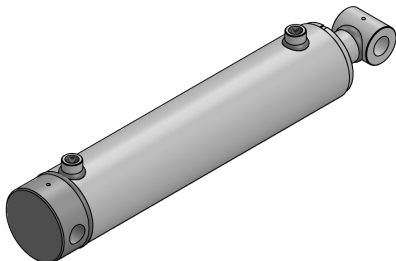
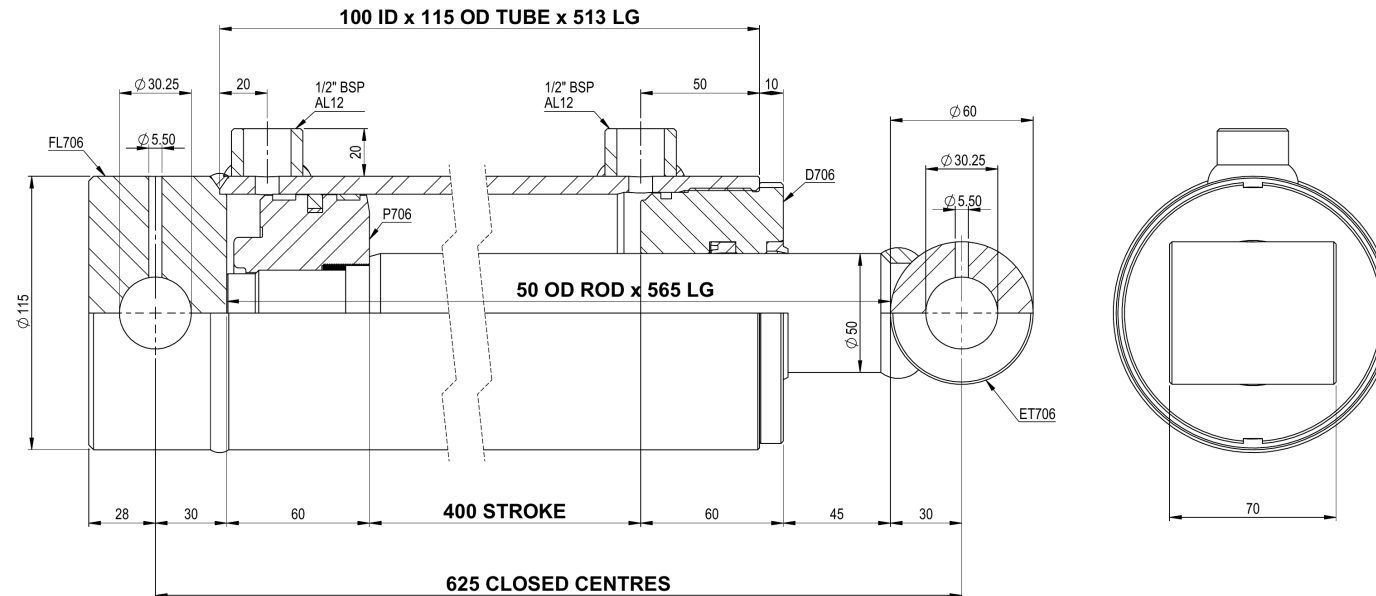
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 706 SERIES — UNIT 2 OF 6

706/4

Double acting hydraulic cylinder · 100 bore × 50 rod × 400 stroke · 625 mm closed centres



KEY DIMENSIONS

Bore × rod	100 × 50 mm
Stroke	400 mm
Closed centres	625 mm
Open centres	1025 mm
Ports	1/2" BSP
Weight	28.5 kg



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C & C HYDRAULICS — 706 SERIES — UNIT 2 OF 6

706/4

Technical Data Sheet

400^{mm}

Stroke

625^{mm}

Closed centres

1025^{mm}

Open centres

28.5^{kg}

Weight

Dimensions

Bore	100 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	50 mm	Rod-end eye	Ø60 mm × 70 mm wide
Stroke	400 mm	Base / body diameter	Ø115 mm
Closed centres	625 mm	Tube	100 ID × 115 OD × 513 mm
Open centres	1025 mm	Rod	50 OD × 565 mm
Ports	1/2" BSP × 2	Oil volume (full stroke)	3.30 L

Performance & construction

Item	Specification
Push force at 200 bar	157.1 kN (16.02 t)
Pull force at 200 bar	117.8 kN (12.01 t)
Max working / proof pressure	200 bar / 300 bar
Max speed · temperature	0.5 m/s · -30 °C to +90 °C
Fluid	Hydraulic mineral oil
Rod material	CK45, chrome plated
Tube material	ST52.3
Seal kit	SK50/100
Finish	Black primer
Weight	28.5 kg

Standard features

- Double acting, pin-eye mounted at both ends
- 100% tested by pneumatic pressure-drop detection
- Tube marked with part reference, CH and week/year of manufacture

Ordering: quote part number **706/4** (drawing ref 706/4-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.

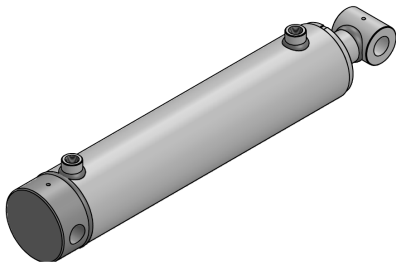
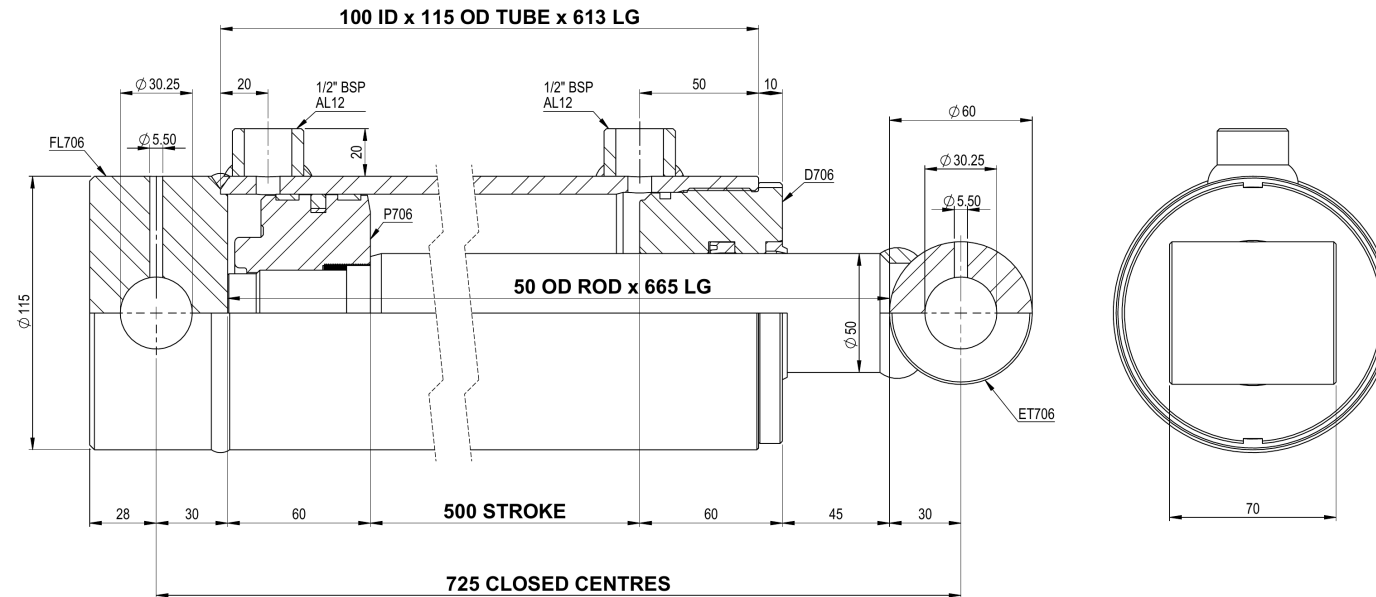


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C & C HYDRAULICS — 706 SERIES — UNIT 3 OF 6

706/5

Double acting hydraulic cylinder · 100 bore × 50 rod × 500 stroke · 725 mm closed centres



KEY DIMENSIONS

Bore × rod	100 × 50 mm
Stroke	500 mm
Closed centres	725 mm
Open centres	1225 mm
Ports	1/2" BSP
Weight	32 kg



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C & C HYDRAULICS — 706 SERIES — UNIT 3 OF 6

706/5

Technical Data Sheet

500 ^{mm}

Stroke

725 ^{mm}

Closed centres

1225 ^{mm}

Open centres

32 ^{kg}

Weight

Dimensions

Bore	100 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	50 mm	Rod-end eye	Ø60 mm × 70 mm wide
Stroke	500 mm	Base / body diameter	Ø115 mm
Closed centres	725 mm	Tube	100 ID × 115 OD × 613 mm
Open centres	1225 mm	Rod	50 OD × 665 mm
Ports	1/2" BSP × 2	Oil volume (full stroke)	4.10 L

Performance & construction

Item	Specification
Push force at 200 bar	157.1 kN (16.02 t)
Pull force at 200 bar	117.8 kN (12.01 t)
Max working / proof pressure	200 bar / 300 bar
Max speed · temperature	0.5 m/s · -30 °C to +90 °C
Fluid	Hydraulic mineral oil
Rod material	CK45, chrome plated
Tube material	ST52.3
Seal kit	SK50/100
Finish	Black primer
Weight	32 kg

Standard features

- Double acting, pin-eye mounted at both ends
- 100% tested by pneumatic pressure-drop detection
- Tube marked with part reference, CH and week/year of manufacture

Ordering: quote part number **706/5** (drawing ref 706/5-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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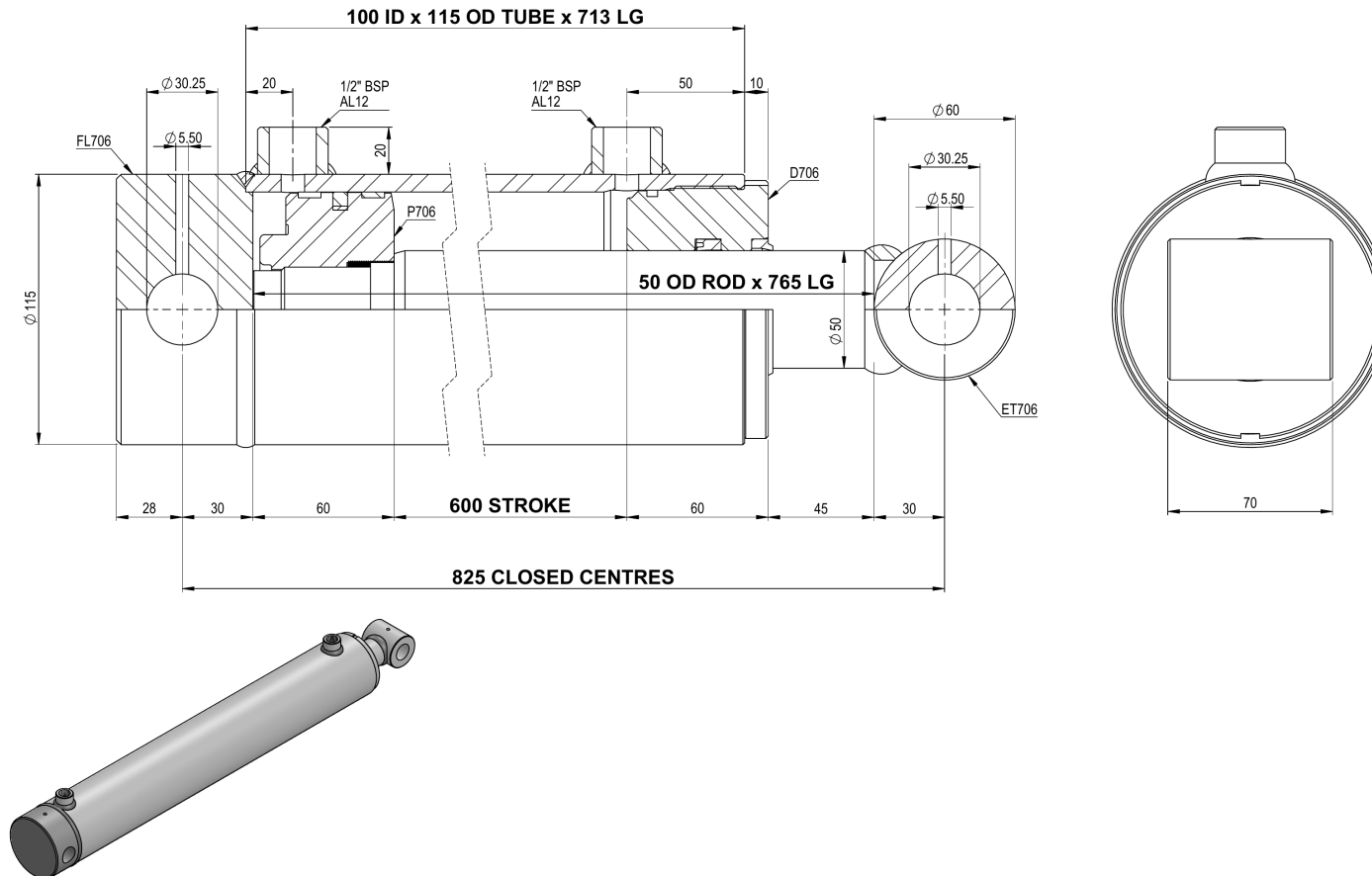
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 706 SERIES — UNIT 4 OF 6

706/6

Double acting hydraulic cylinder · 100 bore × 50 rod × 600 stroke · 825 mm closed centres



KEY DIMENSIONS

Bore × rod	100 × 50 mm
Stroke	600 mm
Closed centres	825 mm
Open centres	1425 mm
Ports	1/2" BSP
Weight	35.5 kg



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C & C HYDRAULICS — 706 SERIES — UNIT 4 OF 6

706/6

Technical Data Sheet

600^{mm}

Stroke

825^{mm}

Closed centres

1425^{mm}

Open centres

35.5^{kg}

Weight

Dimensions

Bore	100 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	50 mm	Rod-end eye	Ø60 mm × 70 mm wide
Stroke	600 mm	Base / body diameter	Ø115 mm
Closed centres	825 mm	Tube	100 ID × 115 OD × 713 mm
Open centres	1425 mm	Rod	50 OD × 765 mm
Ports	1/2" BSP × 2	Oil volume (full stroke)	4.71 L

Performance & construction

Item	Specification
Push force at 200 bar	157.1 kN (16.02 t)
Pull force at 200 bar	117.8 kN (12.01 t)
Max working / proof pressure	200 bar / 300 bar
Max speed · temperature	0.5 m/s · -30 °C to +90 °C
Fluid	Hydraulic mineral oil
Rod material	CK45, chrome plated
Tube material	ST52.3
Seal kit	SK50/100
Finish	Black primer
Weight	35.5 kg

Standard features

- Double acting, pin-eye mounted at both ends
- 100% tested by pneumatic pressure-drop detection
- Tube marked with part reference, CH and week/year of manufacture

Ordering: quote part number **706/6** (drawing ref 706/6-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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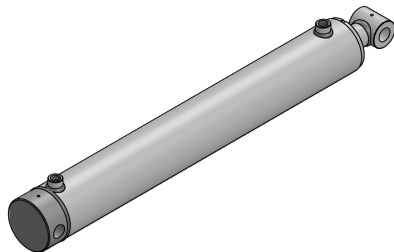
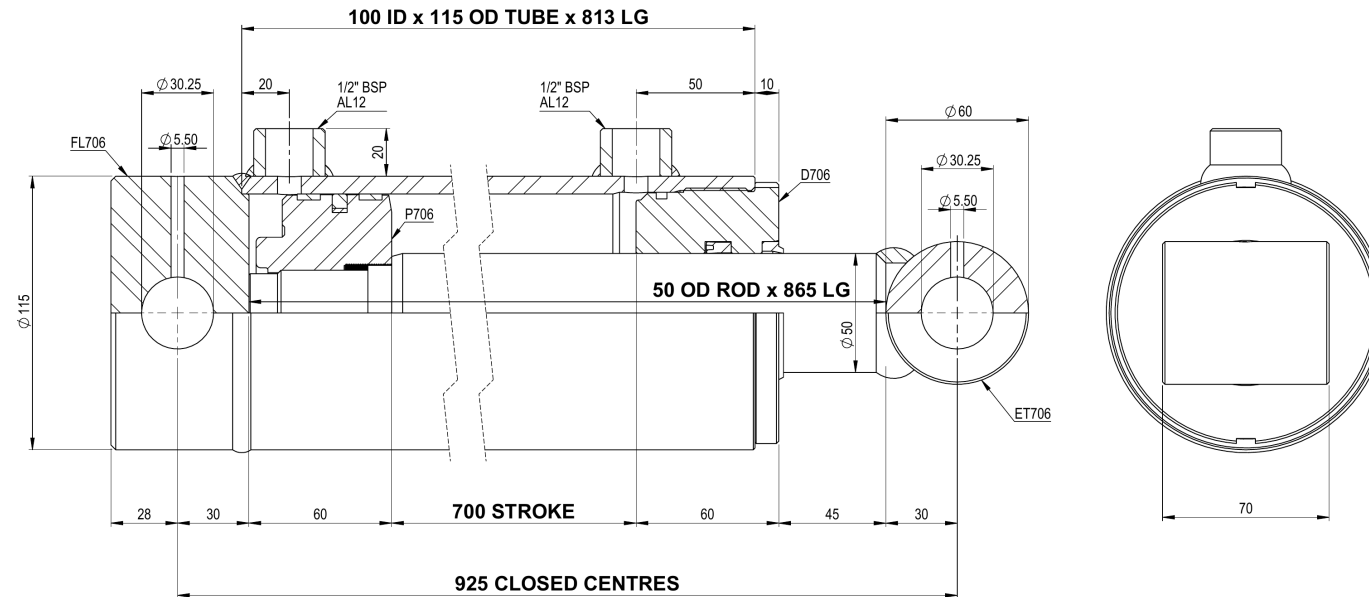
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 706 SERIES — UNIT 5 OF 6

706/7

Double acting hydraulic cylinder · 100 bore × 50 rod × 700 stroke · 925 mm closed centres



KEY DIMENSIONS

Bore × rod	100 × 50 mm
Stroke	700 mm
Closed centres	925 mm
Open centres	1625 mm
Ports	1/2" BSP
Weight	39.1 kg



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C & C HYDRAULICS — 706 SERIES — UNIT 5 OF 6

706/7

Technical Data Sheet

700^{mm}

Stroke

925^{mm}

Closed centres

1625^{mm}

Open centres

39.1^{kg}

Weight

Dimensions

Bore	100 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	50 mm	Rod-end eye	Ø60 mm × 70 mm wide
Stroke	700 mm	Base / body diameter	Ø115 mm
Closed centres	925 mm	Tube	100 ID × 115 OD × 813 mm
Open centres	1625 mm	Rod	50 OD × 865 mm
Ports	1/2" BSP × 2	Oil volume (full stroke)	5.65 L

Performance & construction

Item	Specification
Push force at 200 bar	157.1 kN (16.02 t)
Pull force at 200 bar	117.8 kN (12.01 t)
Max working / proof pressure	200 bar / 300 bar
Max speed · temperature	0.5 m/s · -30 °C to +90 °C
Fluid	Hydraulic mineral oil
Rod material	CK45, chrome plated
Tube material	ST52.3
Seal kit	SK50/100
Finish	Black primer
Weight	39.1 kg

Standard features

- Double acting, pin-eye mounted at both ends
- 100% tested by pneumatic pressure-drop detection
- Tube marked with part reference, CH and week/year of manufacture

Ordering: quote part number **706/7** (drawing ref 706/7-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.

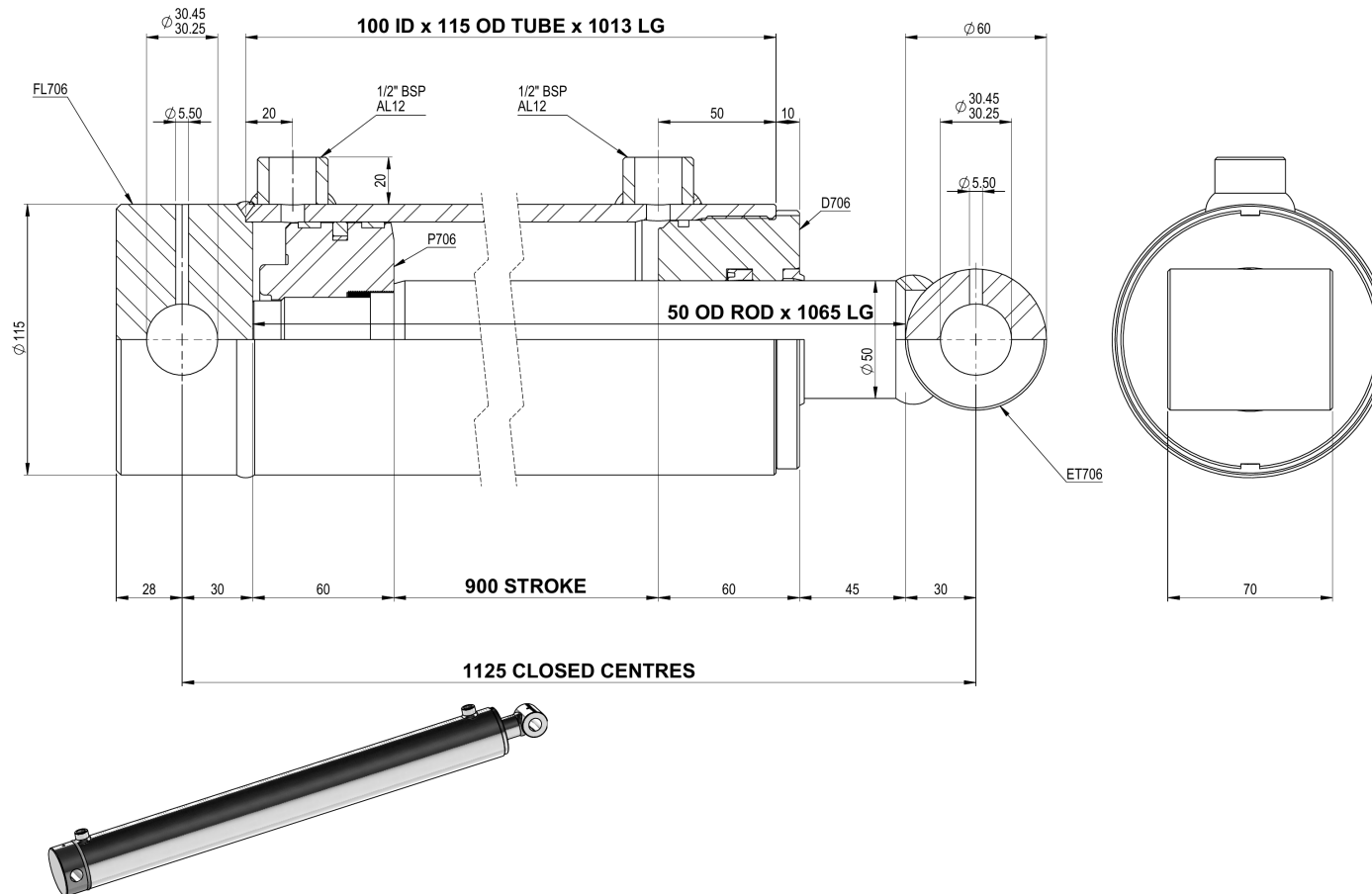


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C & C HYDRAULICS — 706 SERIES — UNIT 6 OF 6

706/9

Double acting hydraulic cylinder · 100 bore × 50 rod × 900 stroke · 1125 mm closed centres



KEY DIMENSIONS

Bore × rod	100 × 50 mm
Stroke	900 mm
Closed centres	1125 mm
Open centres	2025 mm
Ports	1/2" BSP
Weight	46.1 kg



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C & C HYDRAULICS — 706 SERIES — UNIT 6 OF 6

706/9

Technical Data Sheet

900^{mm}

Stroke

1125^{mm}

Closed centres

2025^{mm}

Open centres

46.1^{kg}

Weight

Dimensions

Bore	100 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	50 mm	Rod-end eye	Ø60 mm × 70 mm wide
Stroke	900 mm	Base / body diameter	Ø115 mm
Closed centres	1125 mm	Tube	100 ID × 115 OD × 1013 mm
Open centres	2025 mm	Rod	50 OD × 1065 mm
Ports	1/2" BSP × 2	Oil volume (full stroke)	7.25 L

Performance & construction

Item	Specification
Push force at 200 bar	157.1 kN (16.02 t)
Pull force at 200 bar	117.8 kN (12.01 t)
Max working / proof pressure	200 bar / 300 bar
Max speed · temperature	0.5 m/s · -30 °C to +90 °C
Fluid	Hydraulic mineral oil
Rod material	CK45, chrome plated
Tube material	ST52.3
Seal kit	SK50/100
Finish	Black primer
Weight	46.1 kg

Standard features

- Double acting, pin-eye mounted at both ends
- 100% tested by pneumatic pressure-drop detection
- Tube marked with part reference, CH and week/year of manufacture

Ordering: quote part number **706/9** (drawing ref 706/9-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.