



C & C HYDRAULICS LTD

STANDARD CYLINDERS — DOUBLE ACTING

703 Series Hydraulic Cylinders

60 mm bore × 30 mm rod · 100–1000 mm stroke · 3/8" BSP ports · pin-eye mounting both ends

200 ^{bar}

Max working
pressure

60×30 ^{mm}

Bore × rod
diameter

5.8 ^t

Push force
at 200 bar (56.5 kN)

4.3 ^t

Pull force
at 200 bar (42.4 kN)



Range overview

Part No	Stroke	Closed centres	Tube (ID × OD × length)	Rod (Ø × length)	Weight	Oil vol.
703/1	100 mm	300 mm	60 × 70 × 187	30 × 255	5.5 kg	0.30 L
703/2	200 mm	400 mm	60 × 70 × 287	30 × 355	6.9 kg	0.60 L
703/3	300 mm	500 mm	60 × 70 × 387	30 × 455	8.2 kg	0.90 L
703/4	400 mm	600 mm	60 × 70 × 487	30 × 555	9.6 kg	1.15 L
703/5	500 mm	700 mm	60 × 70 × 587	30 × 655	11.0 kg	1.45 L
703/6	600 mm	800 mm	60 × 70 × 687	30 × 755	12.2 kg	1.75 L
703/7	700 mm	900 mm	60 × 70 × 787	30 × 855	13.6 kg	2.00 L
703/8	800 mm	1000 mm	60 × 70 × 887	30 × 955	15.0 kg	2.26 L
703/9	900 mm	1100 mm	60 × 70 × 987	30 × 1055	16.4 kg	2.54 L
703/10	1000 mm	1200 mm	60 × 70 × 1087	30 × 1155	17.8 kg	2.82 L

Key features

- Double acting – powered in both directions for controlled extension and retraction
- Cross-drilled base eye and rod-end eye, both with Ø25.25 mm pin holes
- 3/8" BSP ports, CK45 chrome-plated rod, ST52.3 honed tube, SK30/60 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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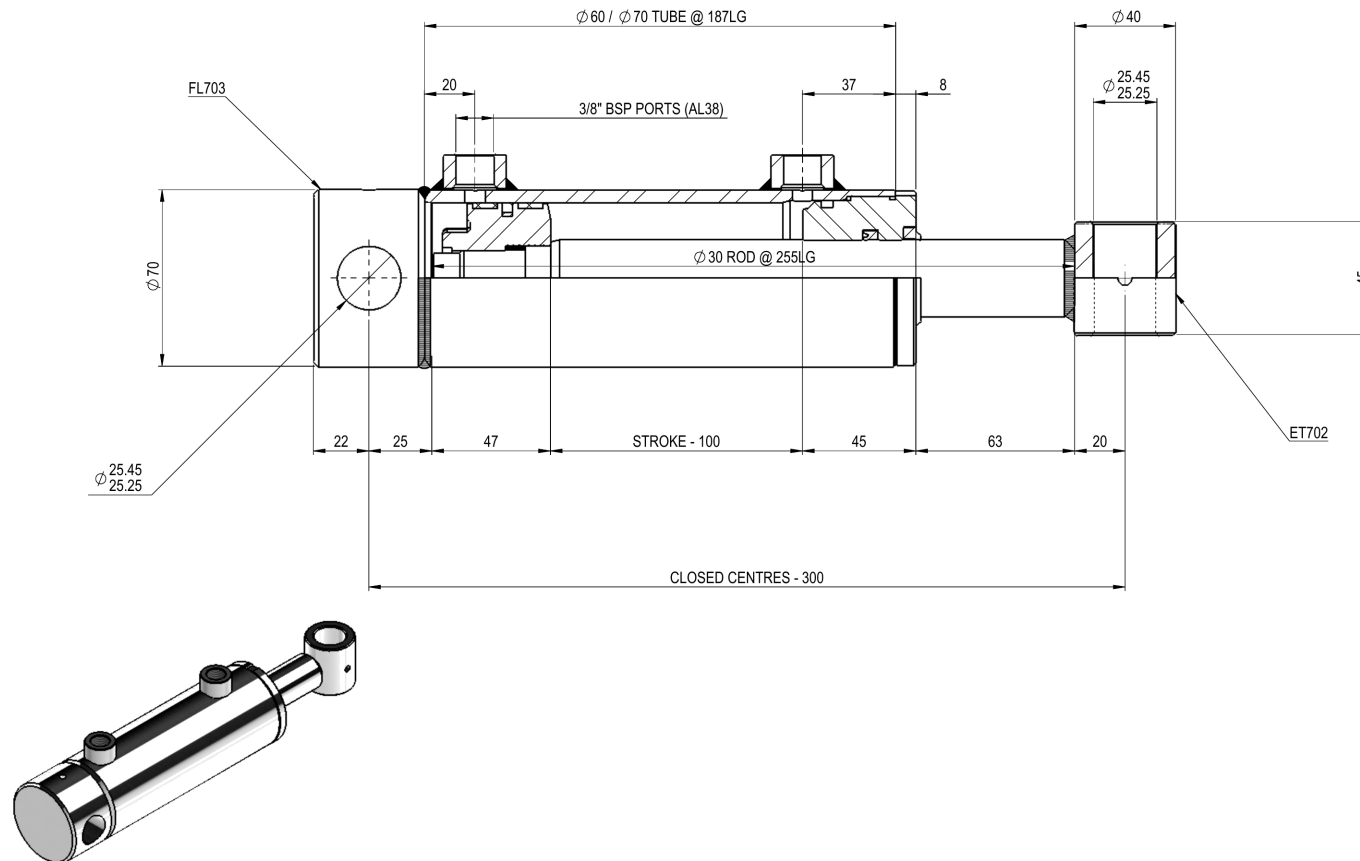
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 703 SERIES — UNIT 1 OF 10

703/1

Double acting hydraulic cylinder · 60 bore × 30 rod × 100 stroke · 300 mm closed centres



KEY DIMENSIONS

Bore × rod	60 × 30 mm
Stroke	100 mm
Closed centres	300 mm
Open centres	400 mm
Ports	3/8" BSP
Weight	5.5 kg



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C & C HYDRAULICS — 703 SERIES — UNIT 1 OF 10

703/1

Technical Data Sheet

100^{mm}

Stroke

300^{mm}

Closed centres

400^{mm}

Open centres

5.5^{kg}

Weight

Dimensions

Bore	60 mm	Pin holes (both ends)	Ø25.25 mm
Rod diameter	30 mm	Rod-end eye	Ø40 mm × 45 mm wide
Stroke	100 mm	Base / body diameter	Ø70 mm
Closed centres	300 mm	Tube	60 ID × 70 OD × 187 mm
Open centres	400 mm	Rod	30 OD × 255 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	0.30 L

Performance & construction

Item	Specification
Push force at 200 bar	56.5 kN (5.77 t)
Pull force at 200 bar	42.4 kN (4.32 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	SK30/60
Finish	Black primer
Weight	5.5 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 **703/1** (drawing ref 703.1-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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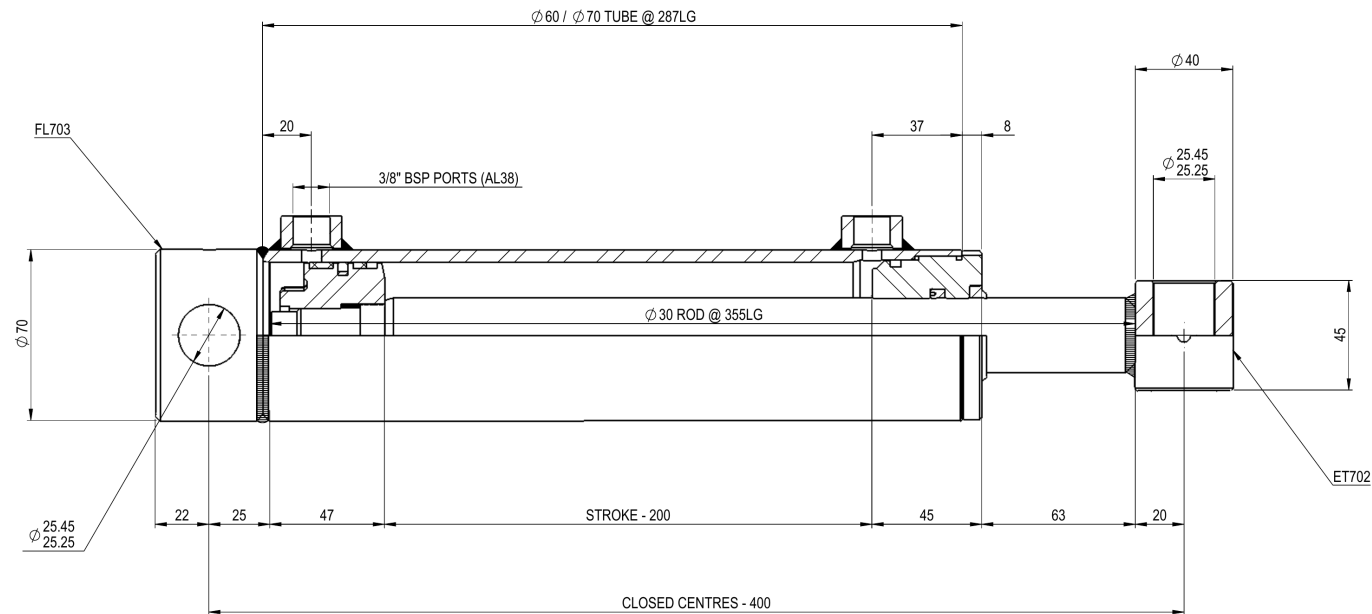
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 703 SERIES — UNIT 2 OF 10

703/2

Double acting hydraulic cylinder · 60 bore × 30 rod × 200 stroke · 400 mm closed centres



KEY DIMENSIONS

Bore × rod	60 × 30 mm
Stroke	200 mm
Closed centres	400 mm
Open centres	600 mm
Ports	3/8" BSP
Weight	6.9 kg



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C & C HYDRAULICS — 703 SERIES — UNIT 2 OF 10

703/2

Technical Data Sheet

200^{mm}

Stroke

400^{mm}

Closed centres

600^{mm}

Open centres

6.9^{kg}

Weight

Dimensions

Bore	60 mm	Pin holes (both ends)	Ø25.25 mm
Rod diameter	30 mm	Rod-end eye	Ø40 mm × 45 mm wide
Stroke	200 mm	Base / body diameter	Ø70 mm
Closed centres	400 mm	Tube	60 ID × 70 OD × 287 mm
Open centres	600 mm	Rod	30 OD × 355 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	0.60 L

Performance & construction

Item	Specification
Push force at 200 bar	56.5 kN (5.77 t)
Pull force at 200 bar	42.4 kN (4.32 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	SK30/60
Finish	Black primer
Weight	6.9 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 **703/2** (drawing ref 703.2-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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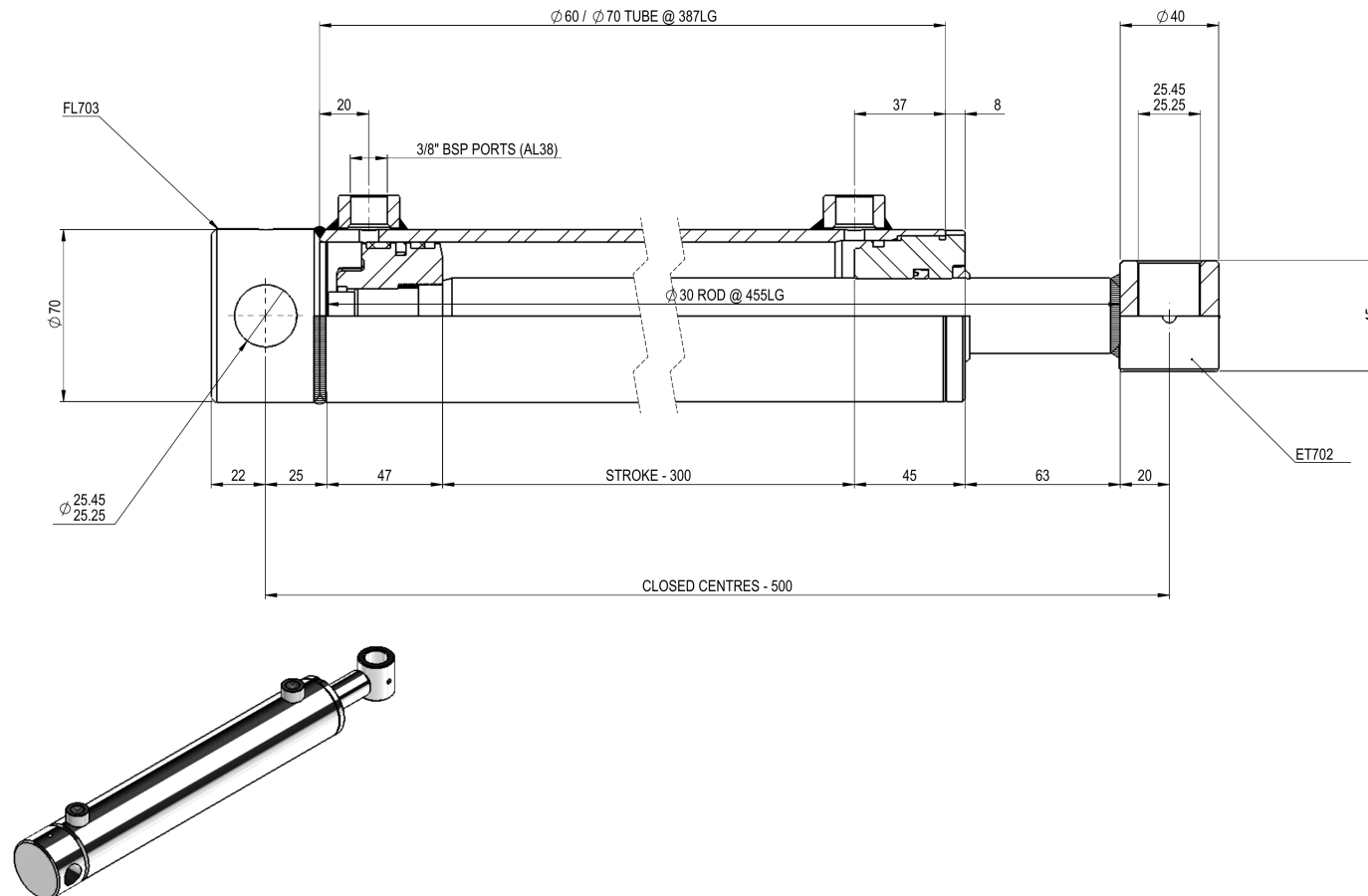
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 703 SERIES — UNIT 3 OF 10

703/3

Double acting hydraulic cylinder · 60 bore × 30 rod × 300 stroke · 500 mm closed centres



KEY DIMENSIONS

Bore × rod	60 × 30 mm
Stroke	300 mm
Closed centres	500 mm
Open centres	800 mm
Ports	3/8" BSP
Weight	8.2 kg



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C & C HYDRAULICS — 703 SERIES — UNIT 3 OF 10

703/3

Technical Data Sheet

300^{mm}

Stroke

500^{mm}

Closed centres

800^{mm}

Open centres

8.2^{kg}

Weight

Dimensions

Bore	60 mm	Pin holes (both ends)	Ø25.25 mm
Rod diameter	30 mm	Rod-end eye	Ø40 mm × 45 mm wide
Stroke	300 mm	Base / body diameter	Ø70 mm
Closed centres	500 mm	Tube	60 ID × 70 OD × 387 mm
Open centres	800 mm	Rod	30 OD × 455 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	0.90 L

Performance & construction

Item	Specification
Push force at 200 bar	56.5 kN (5.77 t)
Pull force at 200 bar	42.4 kN (4.32 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	SK30/60
Finish	Black primer
Weight	8.2 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 **703/3** (drawing ref 703.3-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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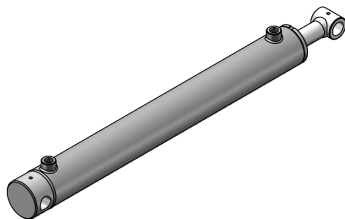
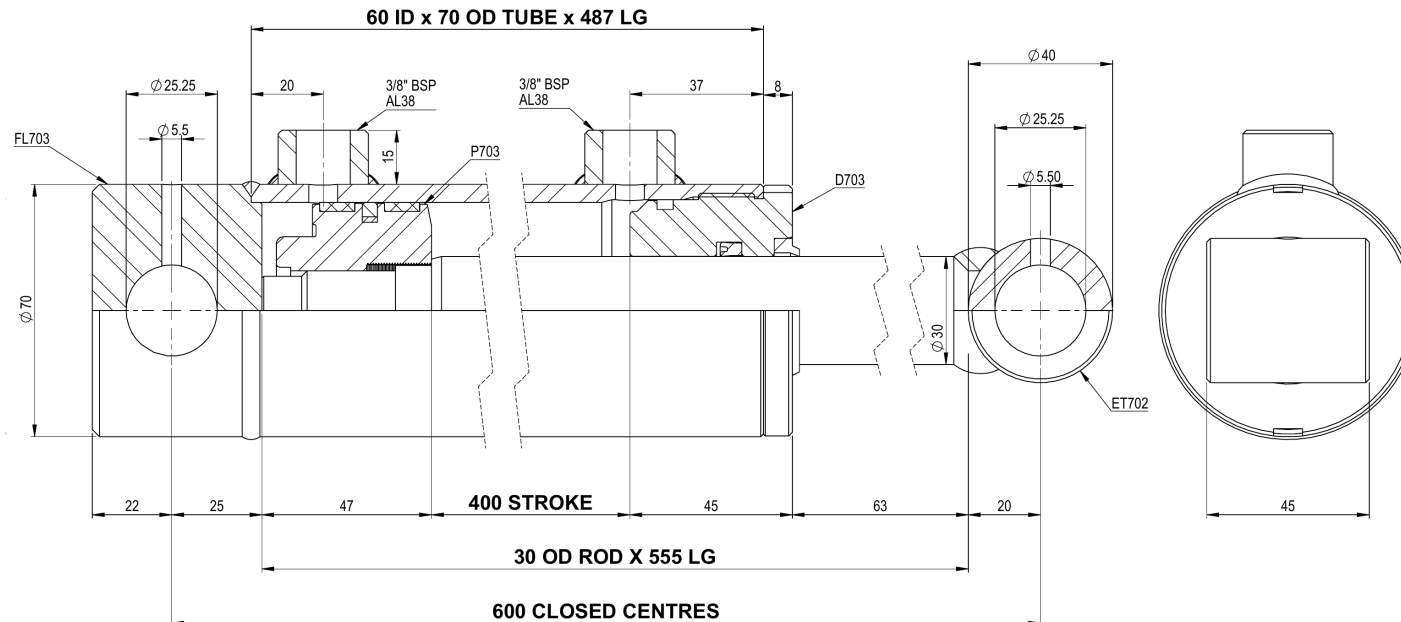
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 703 SERIES — UNIT 4 OF 10

703/4

Double acting hydraulic cylinder · 60 bore × 30 rod × 400 stroke · 600 mm closed centres



KEY DIMENSIONS

Bore × rod	60 × 30 mm
Stroke	400 mm
Closed centres	600 mm
Open centres	1000 mm
Ports	3/8" BSP
Weight	9.6 kg



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C & C HYDRAULICS — 703 SERIES — UNIT 4 OF 10

703/4

Technical Data Sheet

400^{mm}

Stroke

600^{mm}

Closed centres

1000^{mm}

Open centres

9.6^{kg}

Weight

Dimensions

Bore	60 mm	Pin holes (both ends)	Ø25.25 mm
Rod diameter	30 mm	Rod-end eye	Ø40 mm × 45 mm wide
Stroke	400 mm	Base / body diameter	Ø70 mm
Closed centres	600 mm	Tube	60 ID × 70 OD × 487 mm
Open centres	1000 mm	Rod	30 OD × 555 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	1.15 L

Performance & construction

Item	Specification
Push force at 200 bar	56.5 kN (5.77 t)
Pull force at 200 bar	42.4 kN (4.32 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	SK30/60
Finish	Black primer
Weight	9.6 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 **703/4** (drawing ref 703.4-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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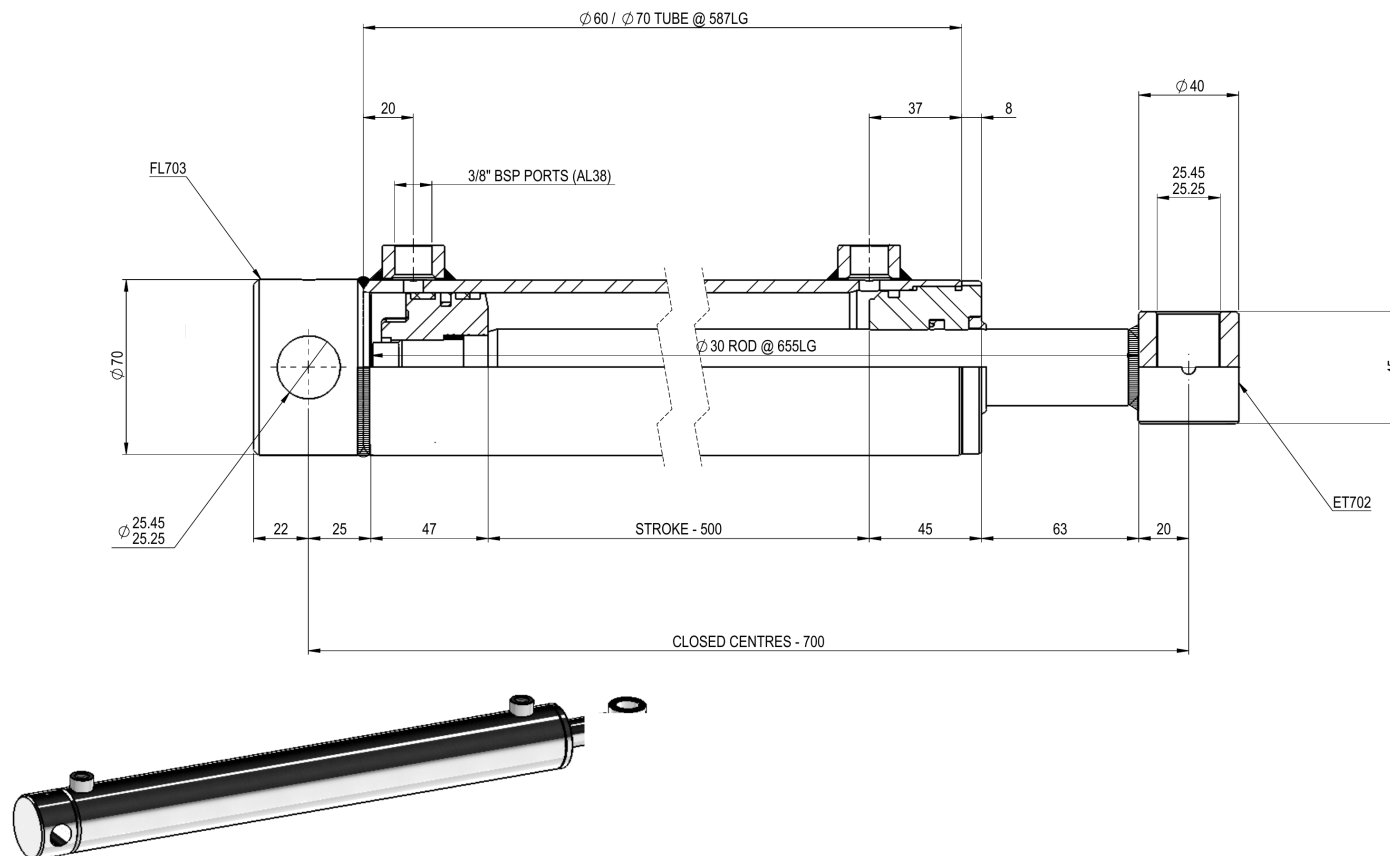
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 703 SERIES — UNIT 5 OF 10

703/5

Double acting hydraulic cylinder · 60 bore × 30 rod × 500 stroke · 700 mm closed centres



KEY DIMENSIONS

Bore × rod	60 × 30 mm
Stroke	500 mm
Closed centres	700 mm
Open centres	1200 mm
Ports	3/8" BSP
Weight	11.0 kg



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C & C HYDRAULICS — 703 SERIES — UNIT 5 OF 10

703/5

Technical Data Sheet

500^{mm}

Stroke

700^{mm}

Closed centres

1200^{mm}

Open centres

11.0^{kg}

Weight

Dimensions

Bore	60 mm	Pin holes (both ends)	Ø25.25 mm
Rod diameter	30 mm	Rod-end eye	Ø40 mm × 45 mm wide
Stroke	500 mm	Base / body diameter	Ø70 mm
Closed centres	700 mm	Tube	60 ID × 70 OD × 587 mm
Open centres	1200 mm	Rod	30 OD × 655 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	1.45 L

Performance & construction

Item	Specification
Push force at 200 bar	56.5 kN (5.77 t)
Pull force at 200 bar	42.4 kN (4.32 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	SK30/60
Finish	Black primer
Weight	11.0 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 **703/5** (drawing ref 703.5-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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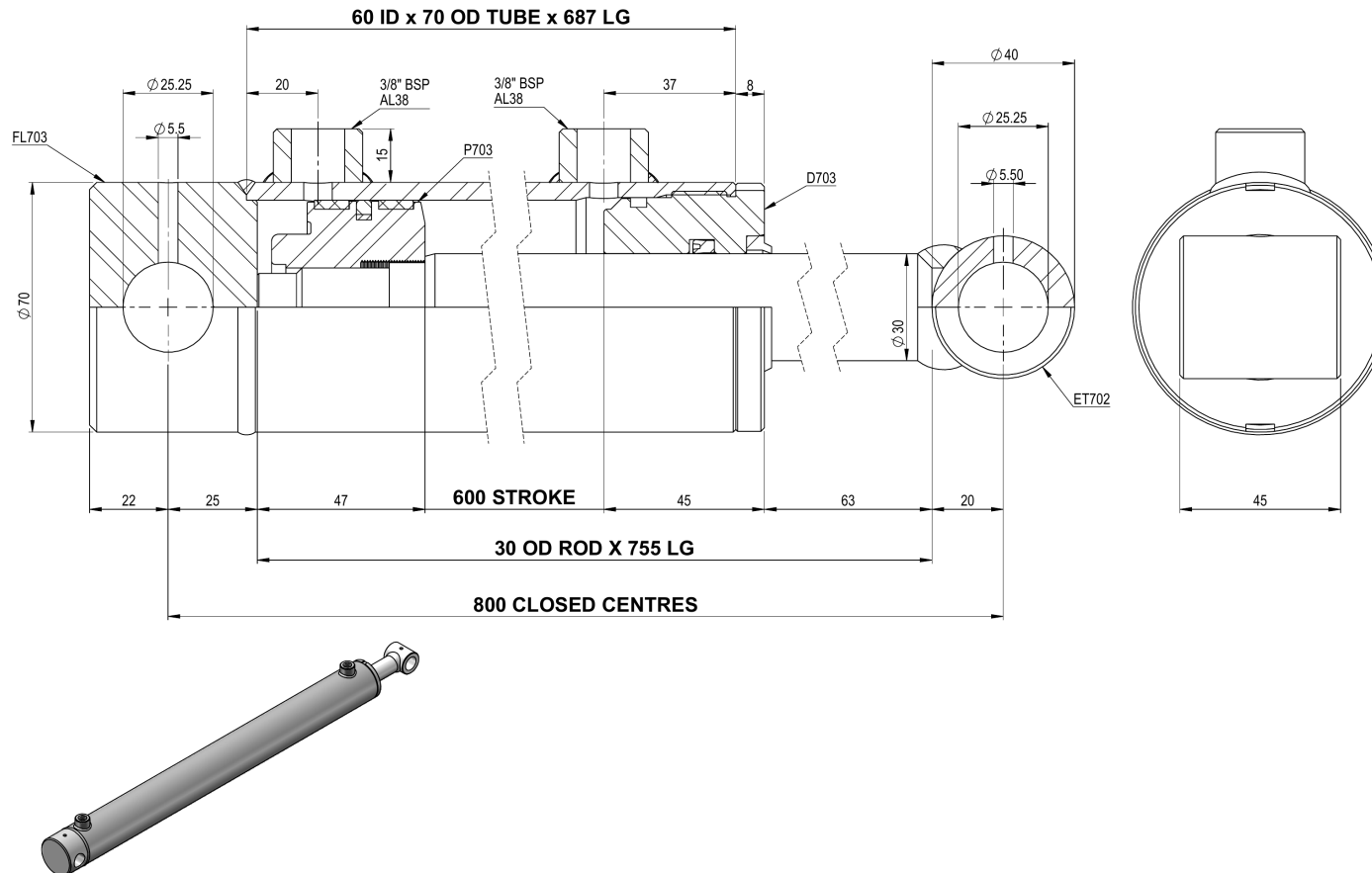
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 703 SERIES — UNIT 6 OF 10

703/6

Double acting hydraulic cylinder · 60 bore × 30 rod × 600 stroke · 800 mm closed centres



KEY DIMENSIONS

Bore × rod	60 × 30 mm
Stroke	600 mm
Closed centres	800 mm
Open centres	1400 mm
Ports	3/8" BSP
Weight	12.2 kg

C & C HYDRAULICS LTD

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Page 12 · Specifications subject to change. Dimensions in mm.



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C & C HYDRAULICS — 703 SERIES — UNIT 6 OF 10

703/6

Technical Data Sheet

600^{mm}

Stroke

800^{mm}

Closed centres

1400^{mm}

Open centres

12.2^{kg}

Weight

Dimensions

Bore	60 mm	Pin holes (both ends)	Ø25.25 mm
Rod diameter	30 mm	Rod-end eye	Ø40 mm × 45 mm wide
Stroke	600 mm	Base / body diameter	Ø70 mm
Closed centres	800 mm	Tube	60 ID × 70 OD × 687 mm
Open centres	1400 mm	Rod	30 OD × 755 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	1.75 L

Performance & construction

Item	Specification
Push force at 200 bar	56.5 kN (5.77 t)
Pull force at 200 bar	42.4 kN (4.32 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	SK30/60
Finish	Black primer
Weight	12.2 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 **703/6** (drawing ref 703.6-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.

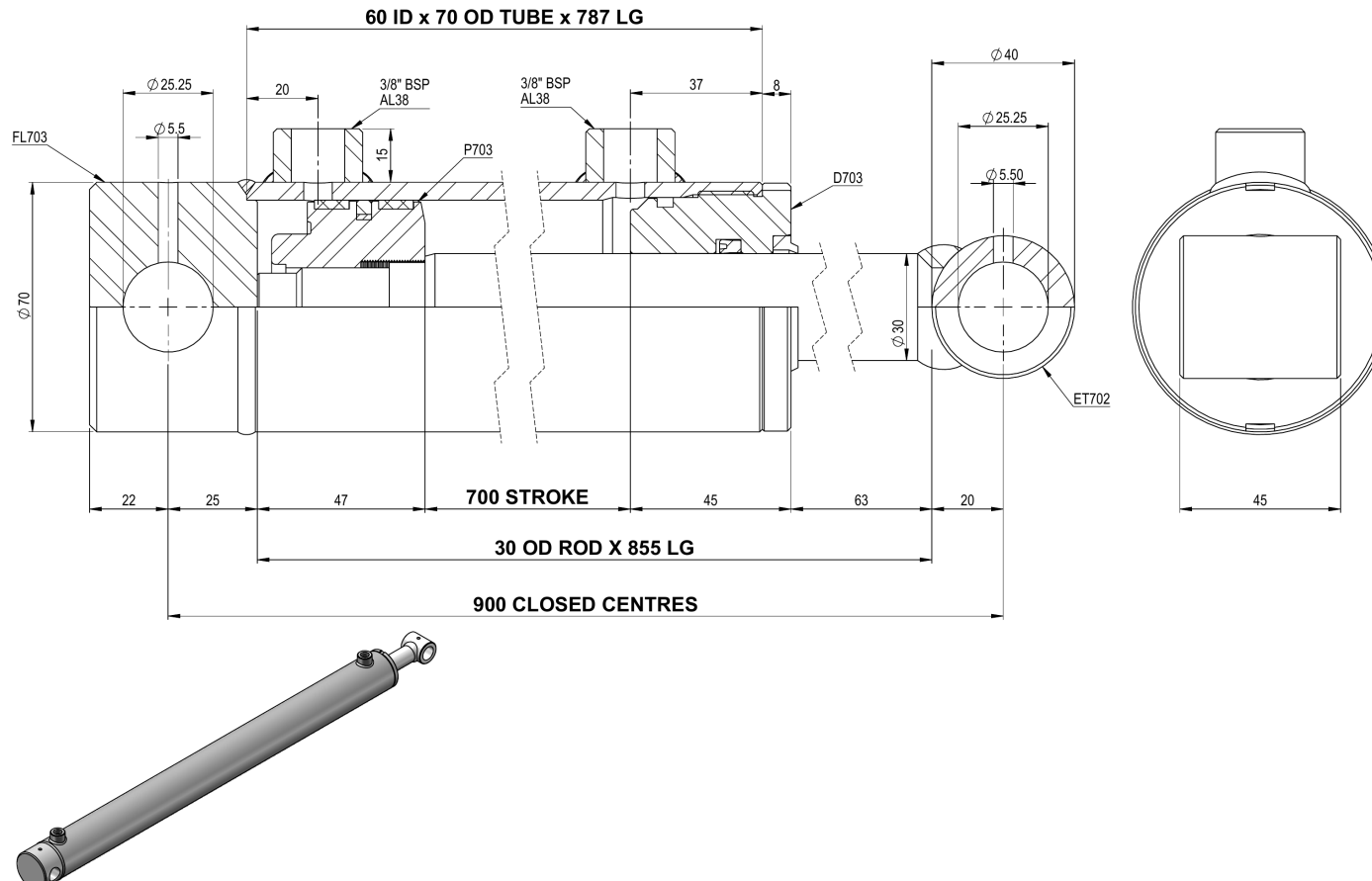


C & C HYDRAULICS LTD

C & C HYDRAULICS — 703 SERIES — UNIT 7 OF 10

703/7

Double acting hydraulic cylinder · 60 bore × 30 rod × 700 stroke · 900 mm closed centres



KEY DIMENSIONS

Bore × rod	60 × 30 mm
Stroke	700 mm
Closed centres	900 mm
Open centres	1600 mm
Ports	3/8" BSP
Weight	13.6 kg



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C & C HYDRAULICS — 703 SERIES — UNIT 7 OF 10

703/7

Technical Data Sheet

700 mm

Stroke

900 mm

Closed centres

1600 mm

Open centres

13.6 kg

Weight

Dimensions

Bore	60 mm	Pin holes (both ends)	Ø25.25 mm
Rod diameter	30 mm	Rod-end eye	Ø40 mm × 45 mm wide
Stroke	700 mm	Base / body diameter	Ø70 mm
Closed centres	900 mm	Tube	60 ID × 70 OD × 787 mm
Open centres	1600 mm	Rod	30 OD × 855 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	2.00 L

Performance & construction

Item	Specification
Push force at 200 bar	56.5 kN (5.77 t)
Pull force at 200 bar	42.4 kN (4.32 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	SK30/60
Finish	Black primer
Weight	13.6 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 **703/7** (drawing ref 703.7-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



703/8

60 ID x 70 OD TUBE x 887 LG

FL703

$\phi 25.25$

$\phi 5.5$

20

3/8" BSP AL38

15

P703

3/8" BSP AL38

37

8

D703

$\phi 40$

$\phi 25.25$

$\phi 5.50$

ET702

$\phi 30$

22

25

47

800 STROKE

45

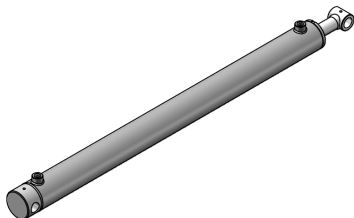
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20

30 OD ROD X 955 LG

1000 CLOSED CENTRES

45



KEY DIMENSIONS	
Bore × rod	60 × 30 mm
Stroke	800 mm
Closed centres	1000 mm
Open centres	1800 mm
Ports	3/8" BSP
Weight	15.0 kg



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C & C HYDRAULICS — 703 SERIES — UNIT 8 OF 10

703/8

Technical Data Sheet

800 ^{mm}

Stroke

1000 ^{mm}

Closed centres

1800 ^{mm}

Open centres

15.0 ^{kg}

Weight

Dimensions

Bore	60 mm	Pin holes (both ends)	Ø25.25 mm
Rod diameter	30 mm	Rod-end eye	Ø40 mm × 45 mm wide
Stroke	800 mm	Base / body diameter	Ø70 mm
Closed centres	1000 mm	Tube	60 ID × 70 OD × 887 mm
Open centres	1800 mm	Rod	30 OD × 955 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	2.26 L

Performance & construction

Item	Specification
Push force at 200 bar	56.5 kN (5.77 t)
Pull force at 200 bar	42.4 kN (4.32 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	SK30/60
Finish	Black primer
Weight	15.0 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 **703/8** (drawing ref 703.8-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



703/9

60 ID x 70 OD TUBE x 987 LG

FL703

Ø 25.25

Ø 5.5

20

3/8" BSP AL38

15

P703

3/8" BSP AL38

37

8

Ø 70

D703

Ø 40

Ø 25.25

Ø 5.50

ET702

22

25

47

900 STROKE

45

63

20

30 OD ROD X 1055 LG

1100 CLOSED CENTRES

45

KEY DIMENSIONS	
Bore × rod	60 × 30 mm
Stroke	900 mm
Closed centres	1100 mm
Open centres	2000 mm
Ports	3/8" BSP
Weight	16.4 kg



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C & C HYDRAULICS — 703 SERIES — UNIT 9 OF 10

703/9

Technical Data Sheet

900^{mm}

Stroke

1100^{mm}

Closed centres

2000^{mm}

Open centres

16.4^{kg}

Weight

Dimensions

Bore	60 mm	Pin holes (both ends)	Ø25.25 mm
Rod diameter	30 mm	Rod-end eye	Ø40 mm × 45 mm wide
Stroke	900 mm	Base / body diameter	Ø70 mm
Closed centres	1100 mm	Tube	60 ID × 70 OD × 987 mm
Open centres	2000 mm	Rod	30 OD × 1055 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	2.54 L

Performance & construction

Item	Specification
Push force at 200 bar	56.5 kN (5.77 t)
Pull force at 200 bar	42.4 kN (4.32 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	SK30/60
Finish	Black primer
Weight	16.4 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 **703/9** (drawing ref 703.9-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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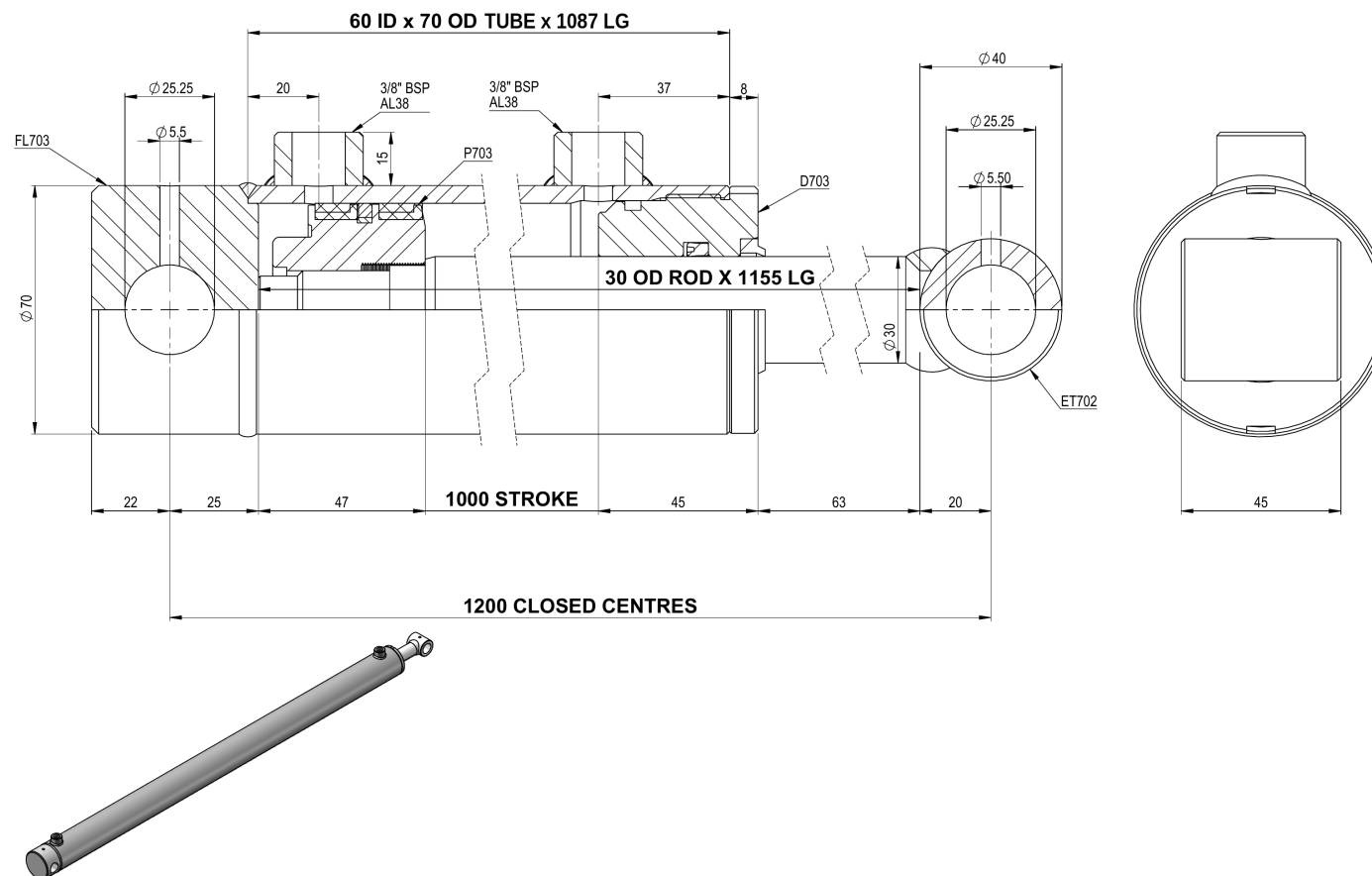
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 703 SERIES — UNIT 10 OF 10

703/10

Double acting hydraulic cylinder · 60 bore × 30 rod × 1000 stroke · 1200 mm closed centres



KEY DIMENSIONS

Bore × rod	60 × 30 mm
Stroke	1000 mm
Closed centres	1200 mm
Open centres	2200 mm
Ports	3/8" BSP
Weight	17.8 kg



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C & C HYDRAULICS — 703 SERIES — UNIT 10 OF 10

703/10

Technical Data Sheet

1000 mm

Stroke

1200 mm

Closed centres

2200 mm

Open centres

17.8 kg

Weight

Dimensions

Bore	60 mm	Pin holes (both ends)	Ø25.25 mm
Rod diameter	30 mm	Rod-end eye	Ø40 mm × 45 mm wide
Stroke	1000 mm	Base / body diameter	Ø70 mm
Closed centres	1200 mm	Tube	60 ID × 70 OD × 1087 mm
Open centres	2200 mm	Rod	30 OD × 1155 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	2.82 L

Performance & construction

Item	Specification
Push force at 200 bar	56.5 kN (5.77 t)
Pull force at 200 bar	42.4 kN (4.32 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	SK30/60
Finish	Black primer
Weight	17.8 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 **703/10** (drawing ref 703.10-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.