



C & C HYDRAULICS LTD

STANDARD CYLINDERS — DOUBLE ACTING

704 Series Hydraulic Cylinders

70 mm bore × 40 mm rod · 100–1000 mm stroke · 3/8" BSP ports · pin-eye mounting both ends

200 bar

Max working
pressure

70×40 mm

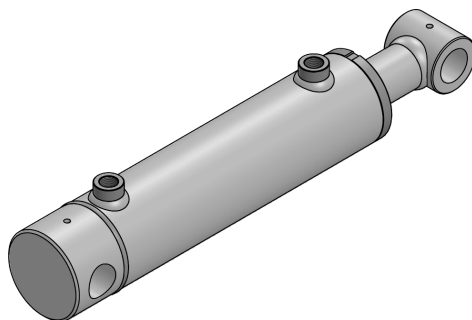
Bore × rod
diameter

7.8 t

Push force
at 200 bar (77.0 kN)

5.3 t

Pull force
at 200 bar (51.8 kN)



Range overview

Part No	Stroke	Closed centres	Tube (ID × OD × length)	Rod (Ø × length)	Weight	Oil vol.
704/1	100 mm	310 mm	70 × 80 × 191	40 × 255	10 kg	0.38 L
704/2	200 mm	410 mm	70 × 80 × 291	40 × 355	12 kg	0.85 L
704/3	300 mm	510 mm	70 × 80 × 391	40 × 455	14 kg	1.20 L
704/4	400 mm	610 mm	70 × 80 × 491	40 × 555	16 kg	1.60 L
704/5	500 mm	710 mm	70 × 80 × 591	40 × 655	18 kg	2.00 L
704/6	600 mm	810 mm	70 × 80 × 691	40 × 755	20 kg	2.35 L
704/7	700 mm	910 mm	70 × 80 × 791	40 × 855	22 kg	2.75 L
704/8	800 mm	1010 mm	70 × 80 × 891	40 × 955	24 kg	3.00 L
704/9	900 mm	1110 mm	70 × 80 × 991	40 × 1055	26 kg	3.46 L
704/10	1000 mm	1210 mm	70 × 80 × 1091	40 × 1155	28 kg	3.84 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
- 3/8" BSP ports, CK45 chrome-plated rod, ST52.3 honed tube, SK40/70 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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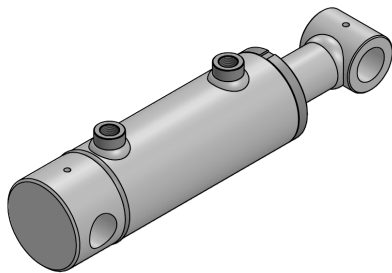
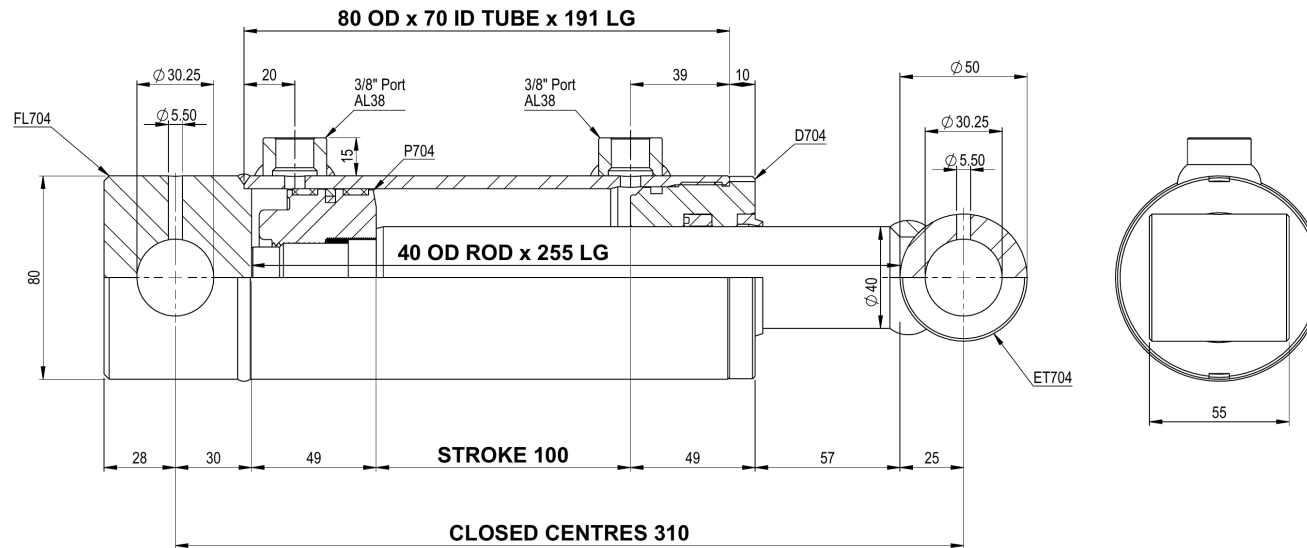
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 704 SERIES — UNIT 1 OF 10

704/1

Double acting hydraulic cylinder · 70 bore × 40 rod × 100 stroke · 310 mm closed centres



KEY DIMENSIONS

Bore × rod	70 × 40 mm
Stroke	100 mm
Closed centres	310 mm
Open centres	410 mm
Ports	3/8" BSP
Weight	10 kg



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C & C HYDRAULICS — 704 SERIES — UNIT 1 OF 10

704/1

Technical Data Sheet

100^{mm}

Stroke

310^{mm}

Closed centres

410^{mm}

Open centres

10^{kg}

Weight

Dimensions

Bore	70 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	40 mm	Rod-end eye	Ø50 mm × 55 mm wide
Stroke	100 mm	Base / body diameter	Ø80 mm
Closed centres	310 mm	Tube	70 ID × 80 OD × 191 mm
Open centres	410 mm	Rod	40 OD × 255 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	0.38 L

Performance & construction

Item	Specification
Push force at 200 bar	77.0 kN (7.85 t)
Pull force at 200 bar	51.8 kN (5.29 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	SK40/70
Finish	Black primer
Weight	10 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 **704/1** (drawing ref 704.1-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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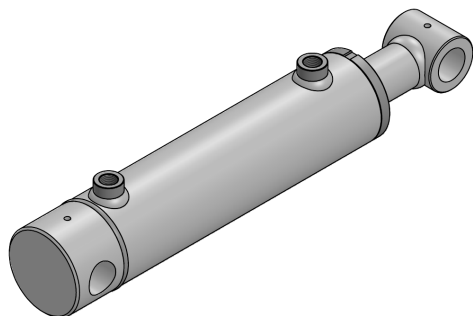
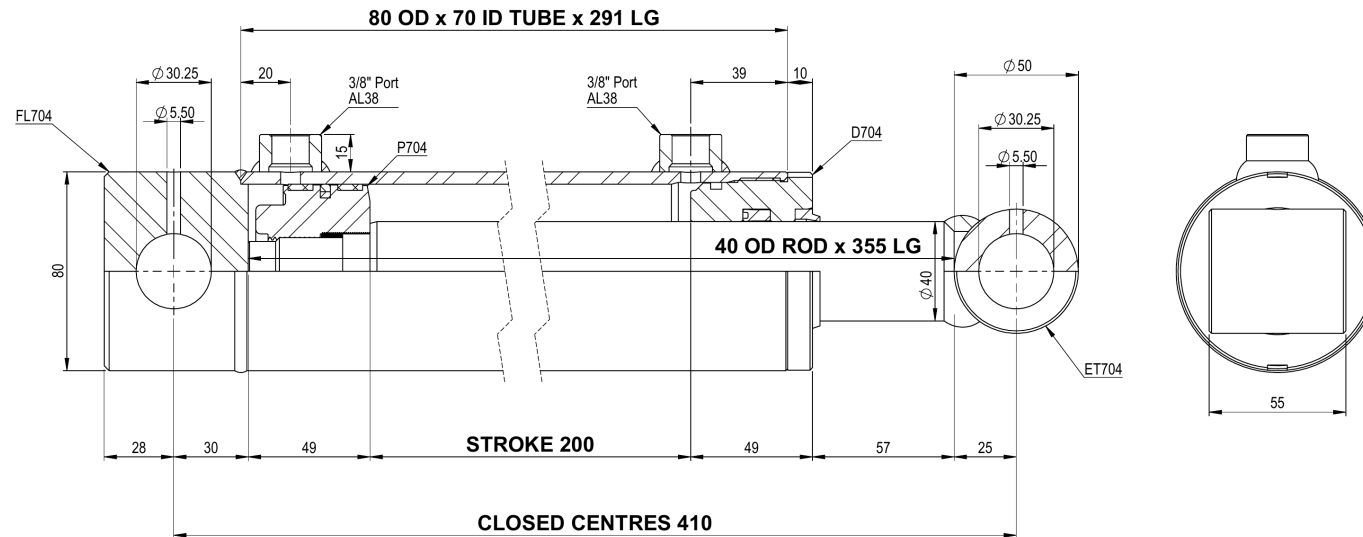
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 704 SERIES — UNIT 2 OF 10

704/2

Double acting hydraulic cylinder · 70 bore × 40 rod × 200 stroke · 410 mm closed centres



KEY DIMENSIONS

Bore × rod	70 × 40 mm
Stroke	200 mm
Closed centres	410 mm
Open centres	610 mm
Ports	3/8" BSP
Weight	12 kg



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C & C HYDRAULICS — 704 SERIES — UNIT 2 OF 10

704/2

Technical Data Sheet

200^{mm}

Stroke

410^{mm}

Closed centres

610^{mm}

Open centres

12^{kg}

Weight

Dimensions

Bore	70 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	40 mm	Rod-end eye	Ø50 mm × 55 mm wide
Stroke	200 mm	Base / body diameter	Ø80 mm
Closed centres	410 mm	Tube	70 ID × 80 OD × 291 mm
Open centres	610 mm	Rod	40 OD × 355 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	0.85 L

Performance & construction

Item	Specification
Push force at 200 bar	77.0 kN (7.85 t)
Pull force at 200 bar	51.8 kN (5.29 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	SK40/70
Finish	Black primer
Weight	12 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 **704/2** (drawing ref 704.2-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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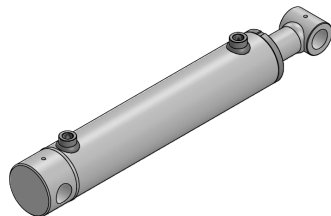
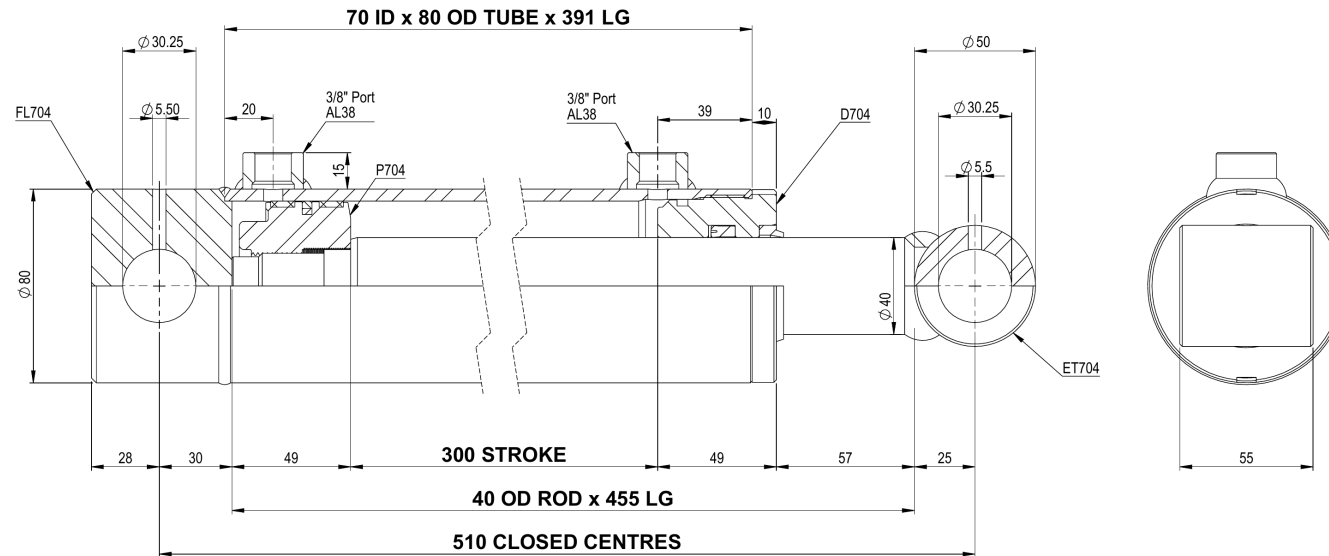
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 704 SERIES — UNIT 3 OF 10

704/3

Double acting hydraulic cylinder · 70 bore × 40 rod × 300 stroke · 510 mm closed centres



KEY DIMENSIONS

Bore × rod	70 × 40 mm
Stroke	300 mm
Closed centres	510 mm
Open centres	810 mm
Ports	3/8" BSP
Weight	14 kg



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C & C HYDRAULICS — 704 SERIES — UNIT 3 OF 10

704/3

Technical Data Sheet

300^{mm}

Stroke

510^{mm}

Closed centres

810^{mm}

Open centres

14^{kg}

Weight

Dimensions

Bore	70 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	40 mm	Rod-end eye	Ø50 mm × 55 mm wide
Stroke	300 mm	Base / body diameter	Ø80 mm
Closed centres	510 mm	Tube	70 ID × 80 OD × 391 mm
Open centres	810 mm	Rod	40 OD × 455 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	1.20 L

Performance & construction

Item	Specification
Push force at 200 bar	77.0 kN (7.85 t)
Pull force at 200 bar	51.8 kN (5.29 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	SK40/70
Finish	Black primer
Weight	14 kg

Standard features

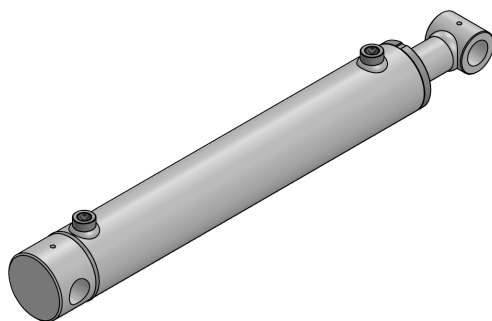
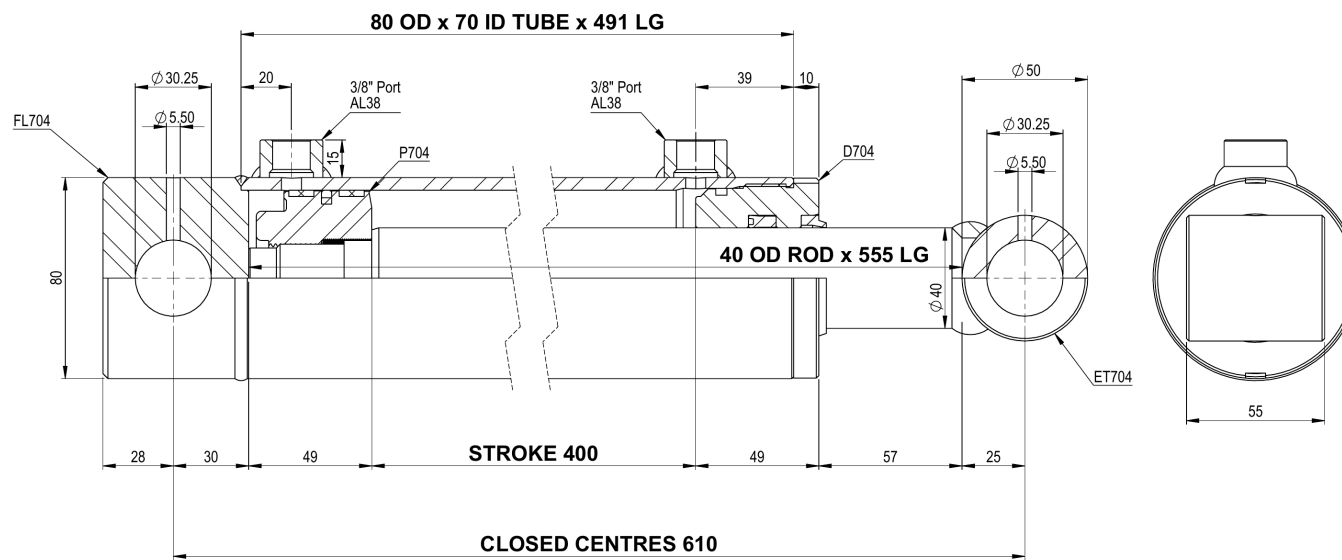
- Double acting, pin-eye mounted at both ends
- 100% tested by pneumatic pressure-drop detection
- Tube marked with part reference, CH and week/year of manufacture

Ordering: quote part number **704/3** (drawing ref 704.3-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



704/4

Double acting hydraulic cylinder · 70 bore × 40 rod × 400 stroke · 610 mm closed centres



KEY DIMENSIONS	
Bore × rod	70 × 40 mm
Stroke	400 mm
Closed centres	610 mm
Open centres	1010 mm
Ports	3/8" BSP
Weight	16 kg



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C & C HYDRAULICS — 704 SERIES — UNIT 4 OF 10

704/4

Technical Data Sheet

400^{mm}

Stroke

610^{mm}

Closed centres

1010^{mm}

Open centres

16^{kg}

Weight

Dimensions

Bore	70 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	40 mm	Rod-end eye	Ø50 mm × 55 mm wide
Stroke	400 mm	Base / body diameter	Ø80 mm
Closed centres	610 mm	Tube	70 ID × 80 OD × 491 mm
Open centres	1010 mm	Rod	40 OD × 555 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	1.60 L

Performance & construction

Item	Specification
Push force at 200 bar	77.0 kN (7.85 t)
Pull force at 200 bar	51.8 kN (5.29 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	SK40/70
Finish	Black primer
Weight	16 kg

Standard features

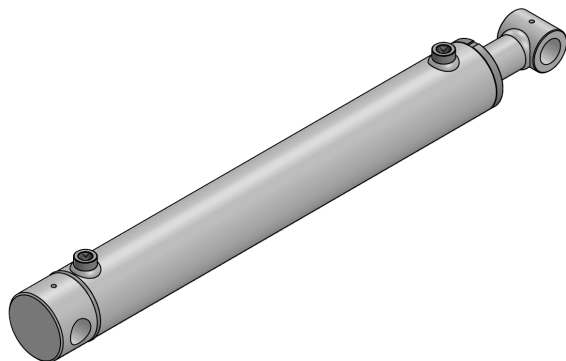
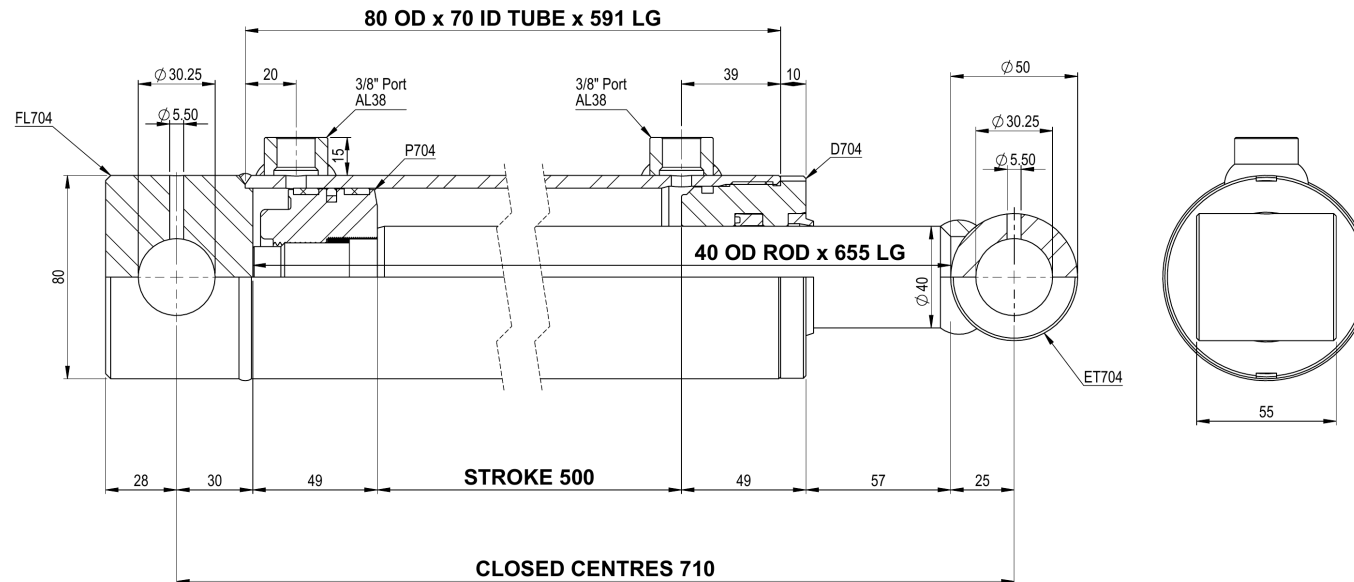
- Double acting, pin-eye mounted at both ends
- 100% tested by pneumatic pressure-drop detection
- Tube marked with part reference, CH and week/year of manufacture

Ordering: quote part number **704/4** (drawing ref 704.4-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



704/5

Double acting hydraulic cylinder · 70 bore × 40 rod × 500 stroke · 710 mm closed centres



KEY DIMENSIONS

Bore × rod	70 × 40 mm
Stroke	500 mm
Closed centres	710 mm
Open centres	1210 mm
Ports	3/8" BSP
Weight	18 kg



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C & C HYDRAULICS — 704 SERIES — UNIT 5 OF 10

704/5

Technical Data Sheet

500 mm

Stroke

710 mm

Closed centres

1210 mm

Open centres

18 kg

Weight

Dimensions

Bore	70 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	40 mm	Rod-end eye	Ø50 mm × 55 mm wide
Stroke	500 mm	Base / body diameter	Ø80 mm
Closed centres	710 mm	Tube	70 ID × 80 OD × 591 mm
Open centres	1210 mm	Rod	40 OD × 655 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	2.00 L

Performance & construction

Item	Specification
Push force at 200 bar	77.0 kN (7.85 t)
Pull force at 200 bar	51.8 kN (5.29 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	SK40/70
Finish	Black primer
Weight	18 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 **704/5** (drawing ref 704.5-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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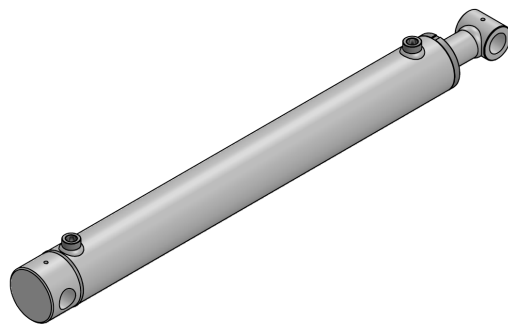
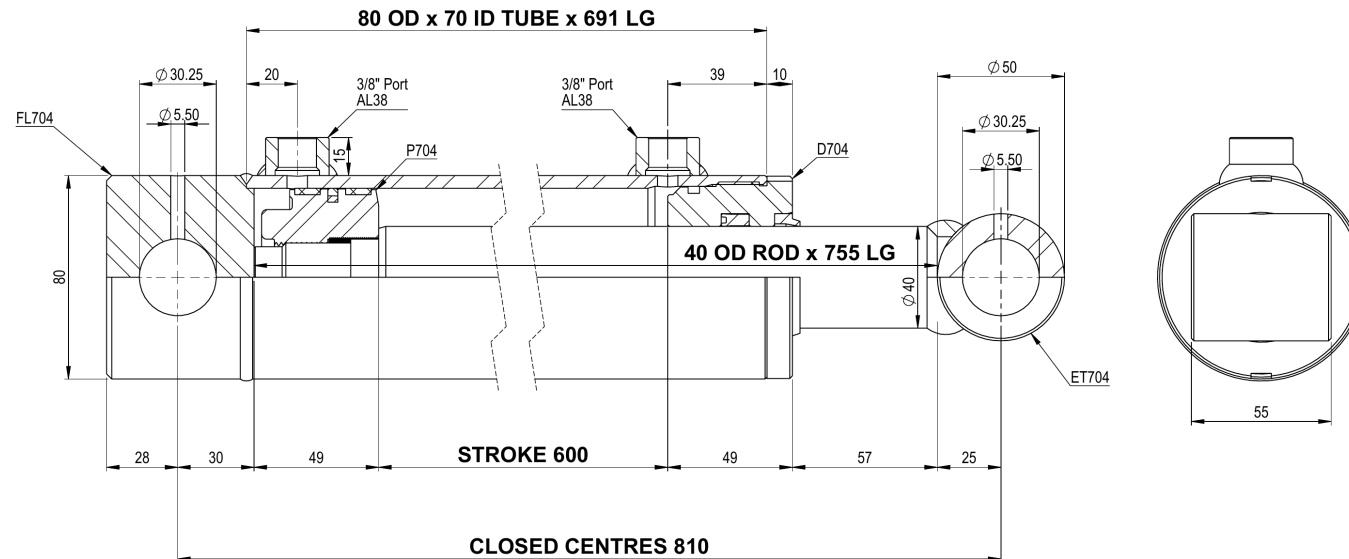
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 704 SERIES — UNIT 6 OF 10

704/6

Double acting hydraulic cylinder · 70 bore × 40 rod × 600 stroke · 810 mm closed centres



KEY DIMENSIONS

Bore × rod	70 × 40 mm
Stroke	600 mm
Closed centres	810 mm
Open centres	1410 mm
Ports	3/8" BSP
Weight	20 kg



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C & C HYDRAULICS — 704 SERIES — UNIT 6 OF 10

704/6

Technical Data Sheet

600^{mm}

Stroke

810^{mm}

Closed centres

1410^{mm}

Open centres

20^{kg}

Weight

Dimensions

Bore	70 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	40 mm	Rod-end eye	Ø50 mm × 55 mm wide
Stroke	600 mm	Base / body diameter	Ø80 mm
Closed centres	810 mm	Tube	70 ID × 80 OD × 691 mm
Open centres	1410 mm	Rod	40 OD × 755 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	2.35 L

Performance & construction

Item	Specification
Push force at 200 bar	77.0 kN (7.85 t)
Pull force at 200 bar	51.8 kN (5.29 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	SK40/70
Finish	Black primer
Weight	20 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 **704/6** (drawing ref 704.6-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.

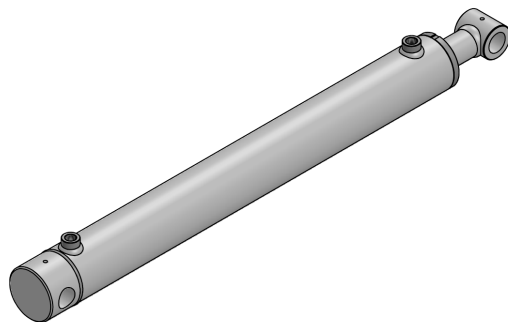
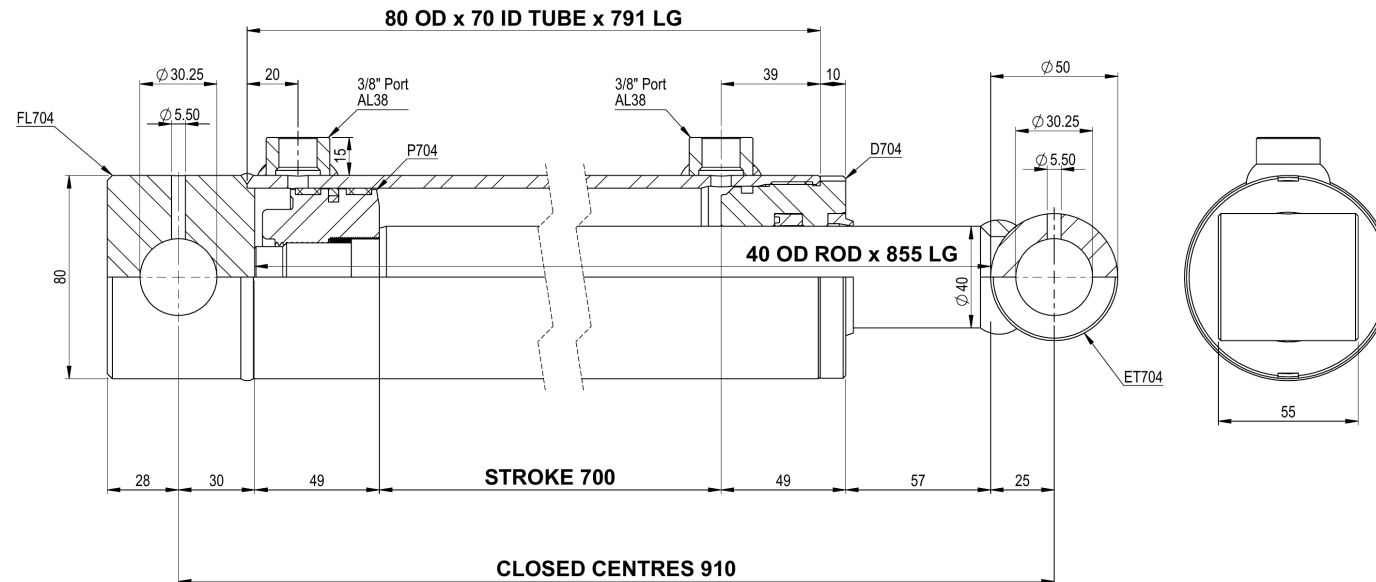


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C & C HYDRAULICS — 704 SERIES — UNIT 7 OF 10

704/7

Double acting hydraulic cylinder · 70 bore × 40 rod × 700 stroke · 910 mm closed centres



KEY DIMENSIONS

Bore × rod	70 × 40 mm
Stroke	700 mm
Closed centres	910 mm
Open centres	1610 mm
Ports	3/8" BSP
Weight	22 kg



C & C HYDRAULICS LTD

C & C HYDRAULICS — 704 SERIES — UNIT 7 OF 10

704/7

Technical Data Sheet

700^{mm}

Stroke

910^{mm}

Closed centres

1610^{mm}

Open centres

22^{kg}

Weight

Dimensions

Bore	70 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	40 mm	Rod-end eye	Ø50 mm × 55 mm wide
Stroke	700 mm	Base / body diameter	Ø80 mm
Closed centres	910 mm	Tube	70 ID × 80 OD × 791 mm
Open centres	1610 mm	Rod	40 OD × 855 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	2.75 L

Performance & construction

Item	Specification
Push force at 200 bar	77.0 kN (7.85 t)
Pull force at 200 bar	51.8 kN (5.29 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	SK40/70
Finish	Black primer
Weight	22 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 **704/7** (drawing ref 704.7-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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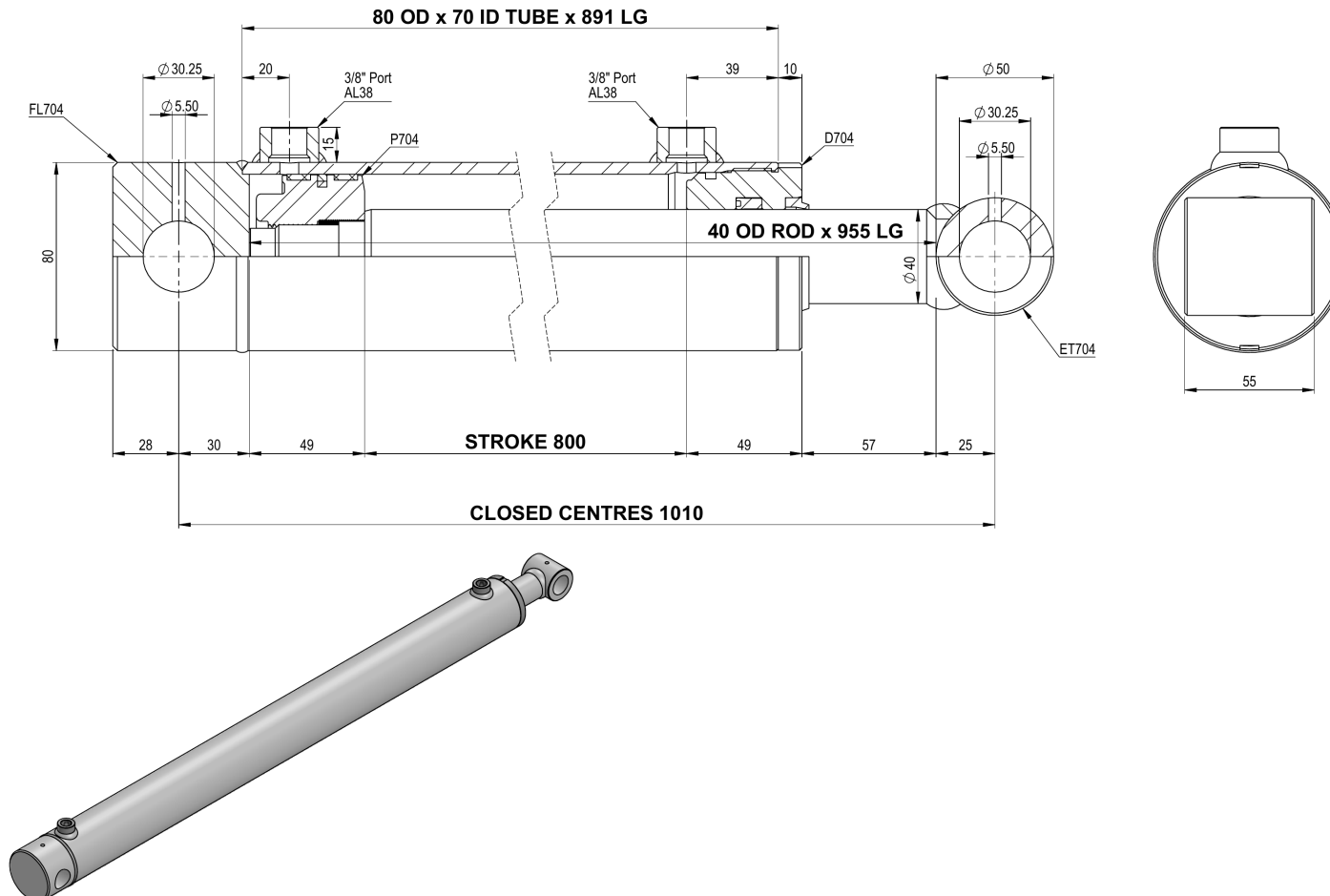
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 704 SERIES — UNIT 8 OF 10

704/8

Double acting hydraulic cylinder · 70 bore × 40 rod × 800 stroke · 1010 mm closed centres



KEY DIMENSIONS

Bore × rod	70 × 40 mm
Stroke	800 mm
Closed centres	1010 mm
Open centres	1810 mm
Ports	3/8" BSP
Weight	24 kg



C & C HYDRAULICS LTD

C & C HYDRAULICS — 704 SERIES — UNIT 8 OF 10

704/8

Technical Data Sheet

800^{mm}

Stroke

1010^{mm}

Closed centres

1810^{mm}

Open centres

24^{kg}

Weight

Dimensions

Bore	70 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	40 mm	Rod-end eye	Ø50 mm × 55 mm wide
Stroke	800 mm	Base / body diameter	Ø80 mm
Closed centres	1010 mm	Tube	70 ID × 80 OD × 891 mm
Open centres	1810 mm	Rod	40 OD × 955 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	3.00 L

Performance & construction

Item	Specification
Push force at 200 bar	77.0 kN (7.85 t)
Pull force at 200 bar	51.8 kN (5.29 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	SK40/70
Finish	Black primer
Weight	24 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 **704/8** (drawing ref 704.8-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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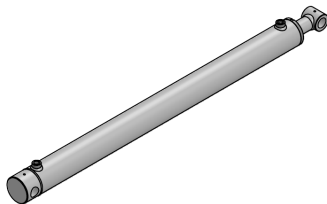
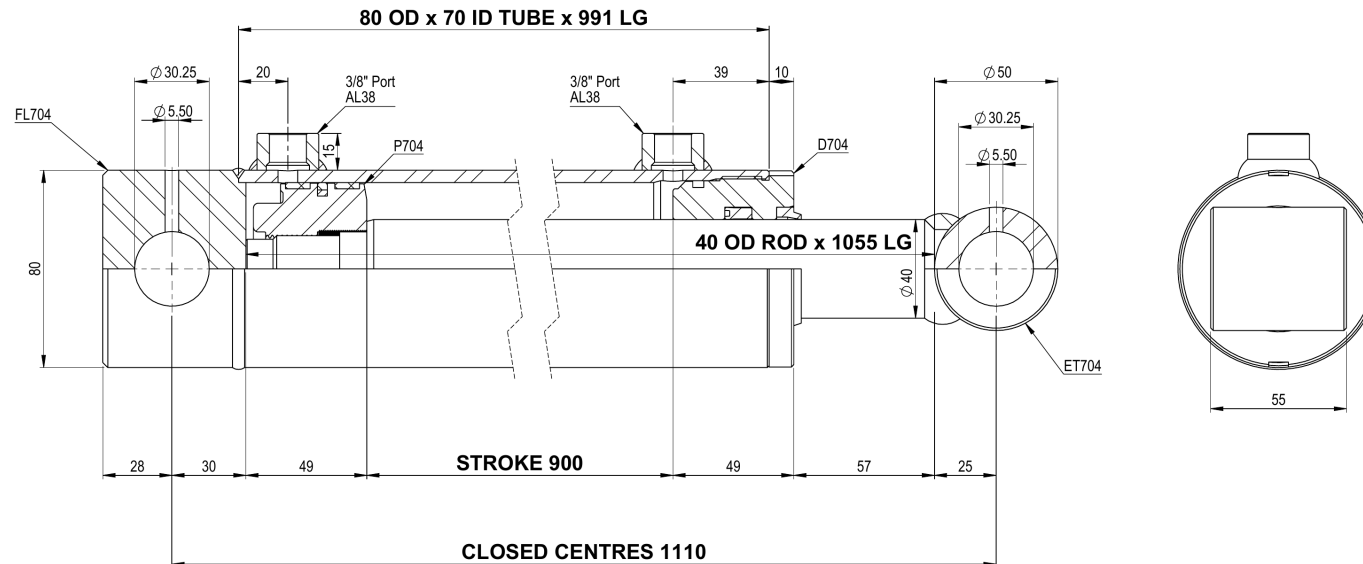
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 704 SERIES — UNIT 9 OF 10

704/9

Double acting hydraulic cylinder · 70 bore × 40 rod × 900 stroke · 1110 mm closed centres



KEY DIMENSIONS

Bore × rod	70 × 40 mm
Stroke	900 mm
Closed centres	1110 mm
Open centres	2010 mm
Ports	3/8" BSP
Weight	26 kg



C & C HYDRAULICS LTD

C & C HYDRAULICS — 704 SERIES — UNIT 9 OF 10

704/9

Technical Data Sheet

900^{mm}

Stroke

1110^{mm}

Closed centres

2010^{mm}

Open centres

26^{kg}

Weight

Dimensions

Bore	70 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	40 mm	Rod-end eye	Ø50 mm × 55 mm wide
Stroke	900 mm	Base / body diameter	Ø80 mm
Closed centres	1110 mm	Tube	70 ID × 80 OD × 991 mm
Open centres	2010 mm	Rod	40 OD × 1055 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	3.46 L

Performance & construction

Item	Specification
Push force at 200 bar	77.0 kN (7.85 t)
Pull force at 200 bar	51.8 kN (5.29 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	SK40/70
Finish	Black primer
Weight	26 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 **704/9** (drawing ref 704.9-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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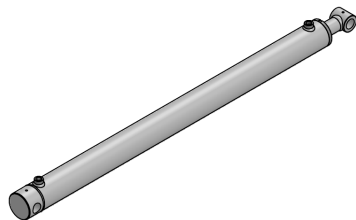
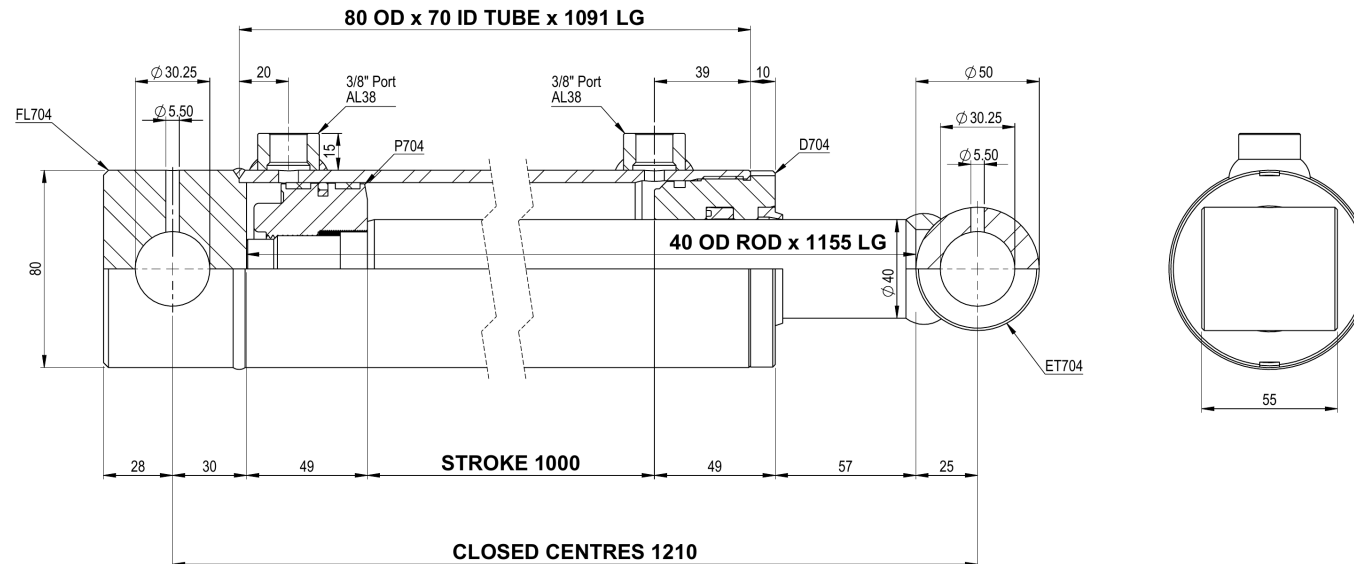
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 704 SERIES — UNIT 10 OF 10

704/10

Double acting hydraulic cylinder · 70 bore × 40 rod × 1000 stroke · 1210 mm closed centres



KEY DIMENSIONS

Bore × rod	70 × 40 mm
Stroke	1000 mm
Closed centres	1210 mm
Open centres	2210 mm
Ports	3/8" BSP
Weight	28 kg



C & C HYDRAULICS LTD

C & C HYDRAULICS — 704 SERIES — UNIT 10 OF 10

704/10

Technical Data Sheet

1000 mm

Stroke

1210 mm

Closed centres

2210 mm

Open centres

28 kg

Weight

Dimensions

Bore	70 mm	Pin holes (both ends)	Ø30.25 mm
Rod diameter	40 mm	Rod-end eye	Ø50 mm × 55 mm wide
Stroke	1000 mm	Base / body diameter	Ø80 mm
Closed centres	1210 mm	Tube	70 ID × 80 OD × 1091 mm
Open centres	2210 mm	Rod	40 OD × 1155 mm
Ports	3/8" BSP × 2	Oil volume (full stroke)	3.84 L

Performance & construction

Item	Specification
Push force at 200 bar	77.0 kN (7.85 t)
Pull force at 200 bar	51.8 kN (5.29 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	SK40/70
Finish	Black primer
Weight	28 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 **704/10** (drawing ref 704.10-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.