



C & C HYDRAULICS LTD

STANDARD CYLINDERS — MICRO CYLINDERS, DOUBLE ACTING

71220 Series Micro Cylinders

20 mm bore × 12 mm rod · 25–100 mm stroke · 1/8" BSP ports · Ø10 base eye, M10 × 1.5 rod thread

200 bar

Max working
pressure

20×12 mm

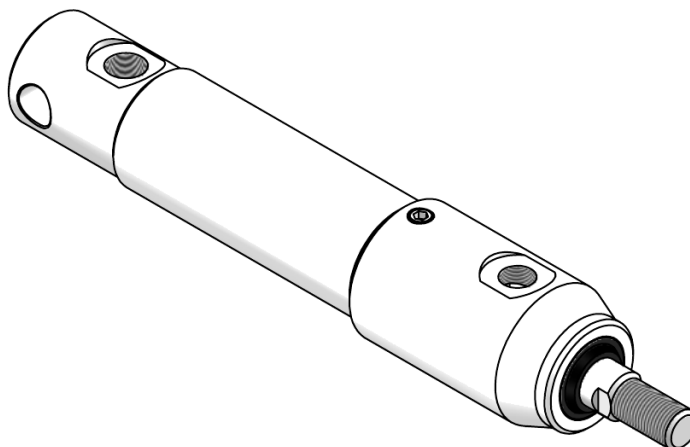
Bore × rod
diameter

0.6 t

Push force
at 200 bar (6.3 kN)

0.4 t

Pull force
at 200 bar (4.0 kN)



Range overview

Part No	Stroke	Closed length	Tube (ID × OD × length)	Rod (Ø × length)	Weight	Oil vol.
71220.25	25 mm	118 mm	20 × 30 × 50	12 × 108	0.58 kg	0.01 L
71220.50	50 mm	143 mm	20 × 30 × 75	12 × 133	0.66 kg	0.02 L
71220.80	80 mm	173 mm	20 × 30 × 105	12 × 163	0.76 kg	0.03 L
71220.100	100 mm	193 mm	20 × 30 × 125	12 × 183	0.95 kg	0.03 L

Key features

- Compact, lightweight screw-together construction – ideal where space and weight are tight
- Ø10 mm cross-drilled base eye and M10 × 1.5 ISO male threaded rod end with 10 mm A/F flats
- 1/8" BSP ports, CK45 chrome-plated rod, ST52.3 tube, SK12/20 seal kit
- Zinc plated finish for corrosion resistance
- Special designs available depending on quantities

Operating limits: max working pressure 200 bar, hydraulic mineral oil. Forces are theoretical at 200 bar. Special designs can be produced depending on quantities – call us on 01535 617880.



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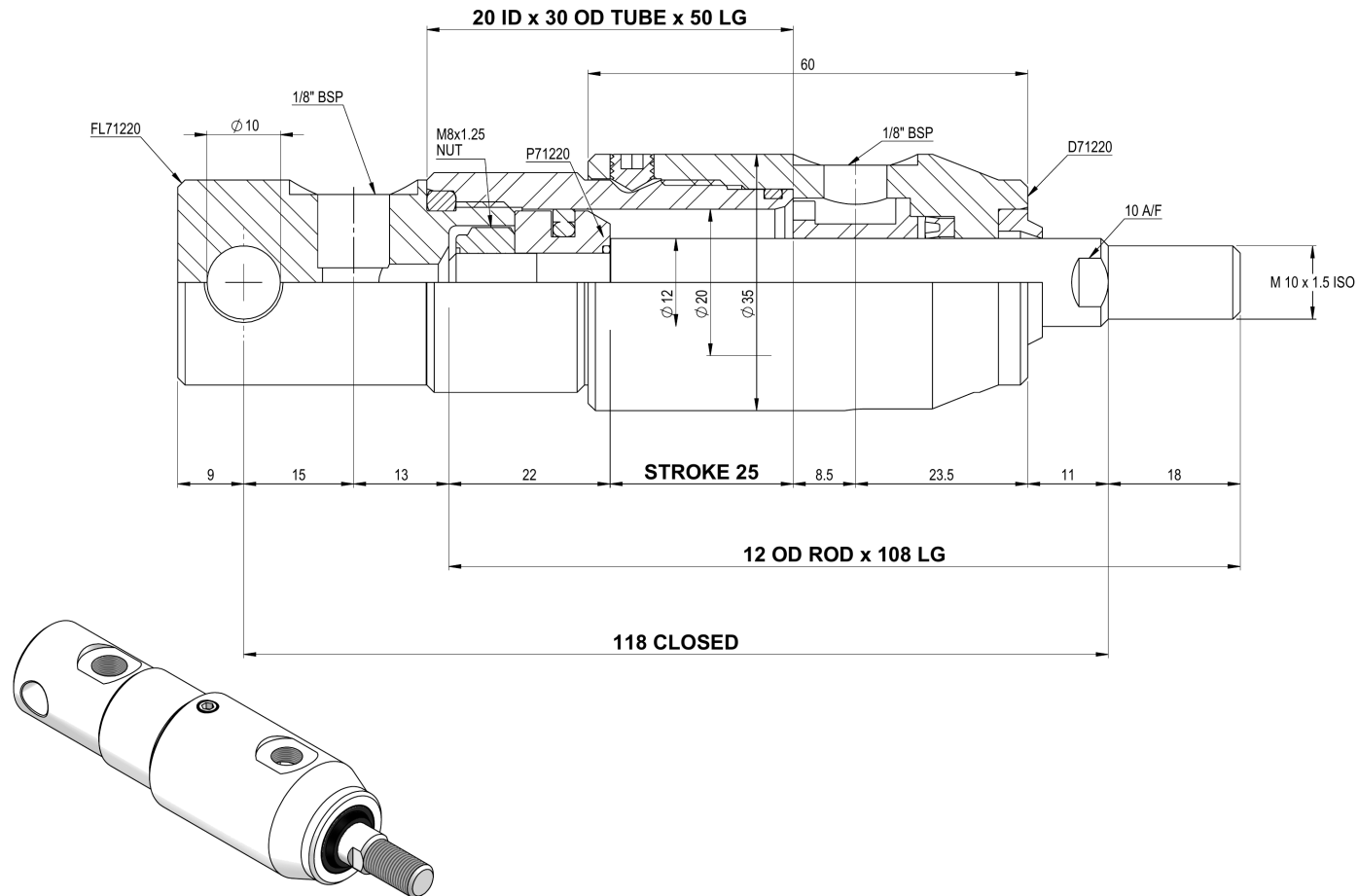
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 71220 SERIES — UNIT 1 OF 4

71220.25

Double acting micro cylinder · 20 bore × 12 rod × 25 stroke · 118 mm closed length



KEY DIMENSIONS

Bore × rod	20 × 12 mm
Stroke	25 mm
Closed length	118 mm
Open length	143 mm
Ports	1/8" BSP
Weight	0.58 kg



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C & C HYDRAULICS — 71220 SERIES — UNIT 1 OF 4

71220.25

Technical Data Sheet

25 mm

Stroke

118 mm

Closed length

143 mm

Open length

0.58 kg

Weight

Dimensions

Bore	20 mm	Base eye	Ø10 mm
Rod diameter	12 mm	Rod end	M10 × 1.5 ISO male, 10 mm A/F flats
Stroke	25 mm	Base / gland diameter	Ø28 mm / Ø35 mm
Closed length	118 mm	Tube	20 ID × 30 OD × 50 mm
Open length	143 mm	Rod	12 OD × 108 mm
Ports	1/8" BSP × 2	Oil volume (extend)	0.01 L

Performance & construction

Item	Specification
Push force at 200 bar	6.3 kN (0.64 t)
Pull force at 200 bar	4.0 kN (0.41 t)
Max working pressure	200 bar
Fluid	Hydraulic mineral oil
Rod material	CK45, chrome plated
Tube material	ST52.3
Seal kit	SK12/20
Finish	Zinc plated
Weight	0.58 kg

Standard features

- Double acting, Ø10 mm base eye and M10 × 1.5 ISO male rod end
- Compact screw-together construction
- Zinc plated finish

Ordering: quote part number **71220.25** (drawing ref 71220/25-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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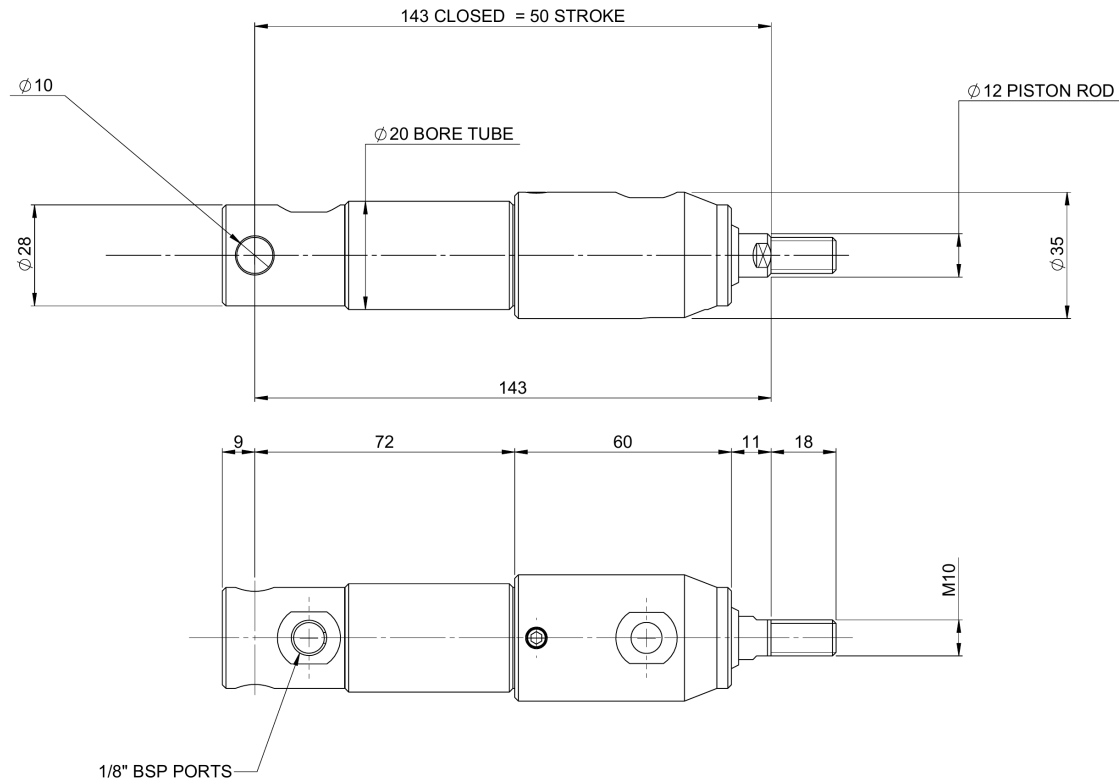
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 71220 SERIES — UNIT 2 OF 4

71220.50

Double acting micro cylinder · 20 bore × 12 rod × 50 stroke · 143 mm closed length



KEY DIMENSIONS

Bore × rod	20 × 12 mm
Stroke	50 mm
Closed length	143 mm
Open length	193 mm
Ports	1/8" BSP
Weight	0.66 kg



C & C HYDRAULICS LTD

C & C HYDRAULICS — 71220 SERIES — UNIT 2 OF 4

71220.50

Technical Data Sheet

50 mm

Stroke

143 mm

Closed length

193 mm

Open length

0.66 kg

Weight

Dimensions

Bore	20 mm	Base eye	Ø10 mm
Rod diameter	12 mm	Rod end	M10 × 1.5 ISO male, 10 mm A/F flats
Stroke	50 mm	Base / gland diameter	Ø28 mm / Ø35 mm
Closed length	143 mm	Tube	20 ID × 30 OD × 75 mm
Open length	193 mm	Rod	12 OD × 133 mm
Ports	1/8" BSP × 2	Oil volume (extend)	0.02 L

Performance & construction

Item	Specification
Push force at 200 bar	6.3 kN (0.64 t)
Pull force at 200 bar	4.0 kN (0.41 t)
Max working pressure	200 bar
Fluid	Hydraulic mineral oil
Rod material	CK45, chrome plated
Tube material	ST52.3
Seal kit	SK12/20
Finish	Zinc plated
Weight	0.66 kg

Standard features

- Double acting, Ø10 mm base eye and M10 × 1.5 ISO male rod end
- Compact screw-together construction
- Zinc plated finish

Ordering: quote part number **71220.50** (drawing ref 71220-50). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



C & C HYDRAULICS LTD

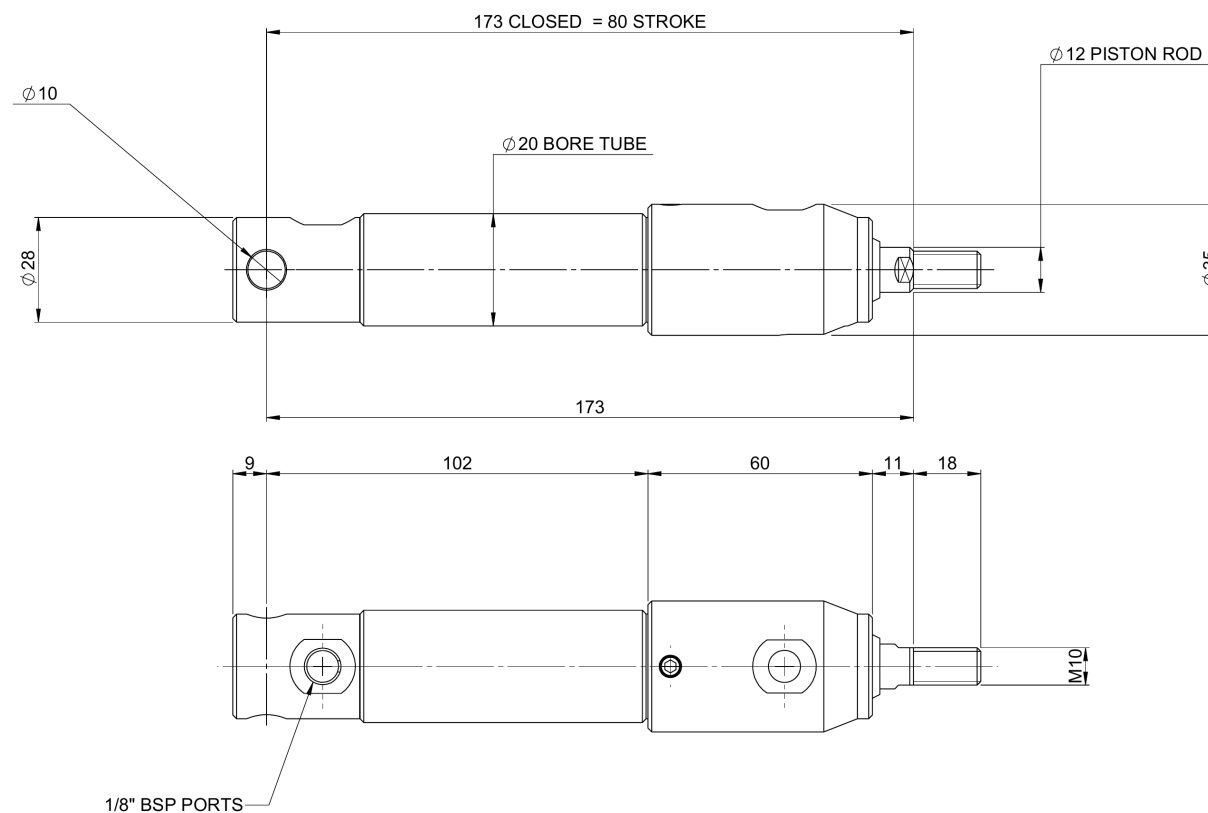
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 71220 SERIES — UNIT 3 OF 4

71220.80

Double acting micro cylinder · 20 bore × 12 rod × 80 stroke · 173 mm closed length



KEY DIMENSIONS

Bore × rod	20 × 12 mm
Stroke	80 mm
Closed length	173 mm
Open length	253 mm
Ports	1/8" BSP
Weight	0.76 kg



C & C HYDRAULICS LTD

C & C HYDRAULICS — 71220 SERIES — UNIT 3 OF 4

71220.80

Technical Data Sheet

80 mm

Stroke

173 mm

Closed length

253 mm

Open length

0.76 kg

Weight

Dimensions

Bore	20 mm	Base eye	Ø10 mm
Rod diameter	12 mm	Rod end	M10 × 1.5 ISO male, 10 mm A/F flats
Stroke	80 mm	Base / gland diameter	Ø28 mm / Ø35 mm
Closed length	173 mm	Tube	20 ID × 30 OD × 105 mm
Open length	253 mm	Rod	12 OD × 163 mm
Ports	1/8" BSP × 2	Oil volume (extend)	0.03 L

Performance & construction

Item	Specification
Push force at 200 bar	6.3 kN (0.64 t)
Pull force at 200 bar	4.0 kN (0.41 t)
Max working pressure	200 bar
Fluid	Hydraulic mineral oil
Rod material	CK45, chrome plated
Tube material	ST52.3
Seal kit	SK12/20
Finish	Zinc plated
Weight	0.76 kg

Standard features

- Double acting, Ø10 mm base eye and M10 × 1.5 ISO male rod end
- Compact screw-together construction
- Zinc plated finish

Ordering: quote part number **71220.80** (drawing ref 71220-80-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.



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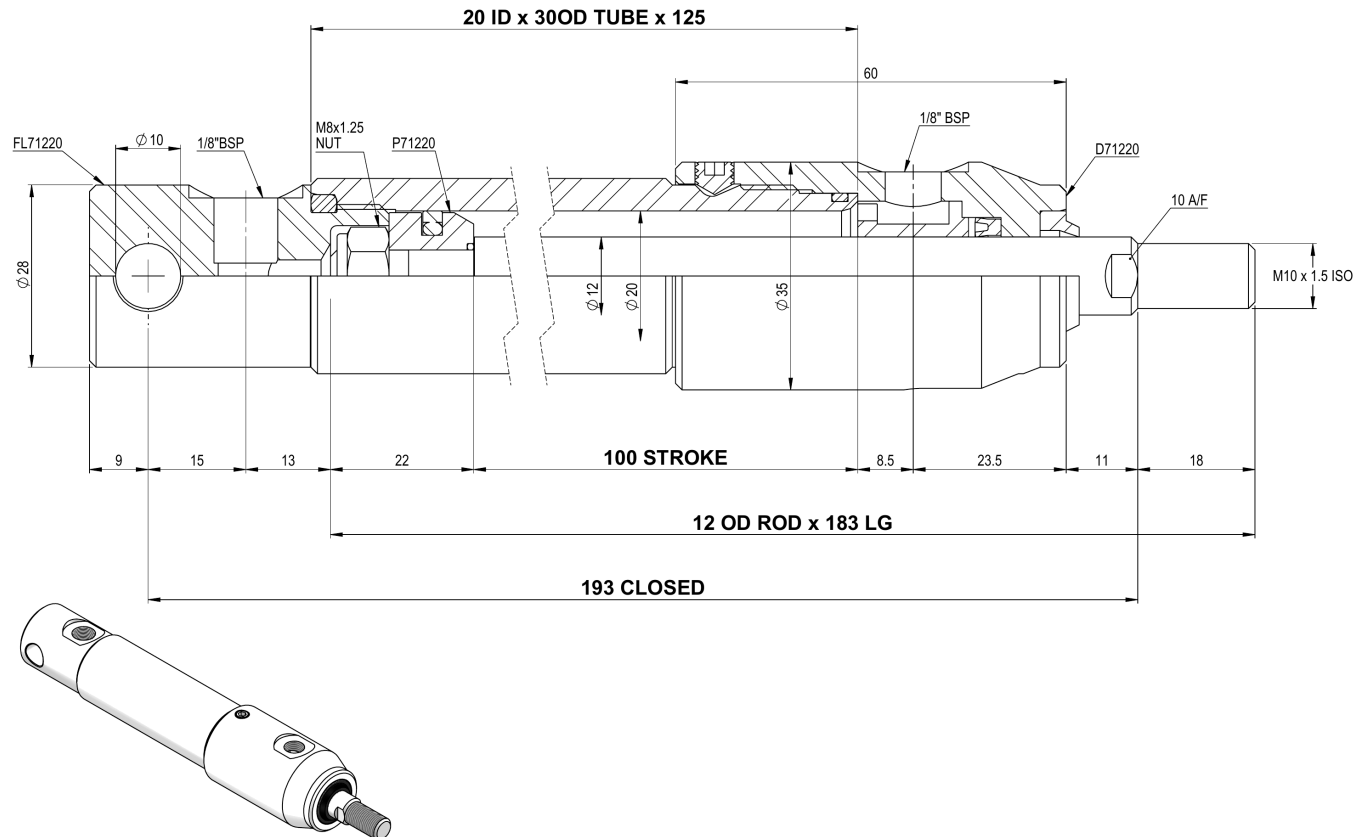
STANDARD HYDRAULIC CYLINDERS

Product data sheet

C & C HYDRAULICS — 71220 SERIES — UNIT 4 OF 4

71220.100

Double acting micro cylinder · 20 bore × 12 rod × 100 stroke · 193 mm closed length



KEY DIMENSIONS

Bore × rod	20 × 12 mm
Stroke	100 mm
Closed length	193 mm
Open length	293 mm
Ports	1/8" BSP
Weight	0.95 kg



C & C HYDRAULICS LTD

C & C HYDRAULICS — 71220 SERIES — UNIT 4 OF 4

71220.100

Technical Data Sheet

100 mm

Stroke

193 mm

Closed length

293 mm

Open length

0.95 kg

Weight

Dimensions

Bore	20 mm	Base eye	Ø10 mm
Rod diameter	12 mm	Rod end	M10 × 1.5 ISO male, 10 mm A/F flats
Stroke	100 mm	Base / gland diameter	Ø28 mm / Ø35 mm
Closed length	193 mm	Tube	20 ID × 30 OD × 125 mm
Open length	293 mm	Rod	12 OD × 183 mm
Ports	1/8" BSP × 2	Oil volume (extend)	0.03 L

Performance & construction

Item	Specification
Push force at 200 bar	6.3 kN (0.64 t)
Pull force at 200 bar	4.0 kN (0.41 t)
Max working pressure	200 bar
Fluid	Hydraulic mineral oil
Rod material	CK45, chrome plated
Tube material	ST52.3
Seal kit	SK12/20
Finish	Zinc plated
Weight	0.95 kg

Standard features

- Double acting, Ø10 mm base eye and M10 × 1.5 ISO male rod end
- Compact screw-together construction
- Zinc plated finish

Ordering: quote part number **71220.100** (drawing ref 71220-100-CC). Forces are theoretical at 200 bar. Dimensions in mm; drawings not to scale.