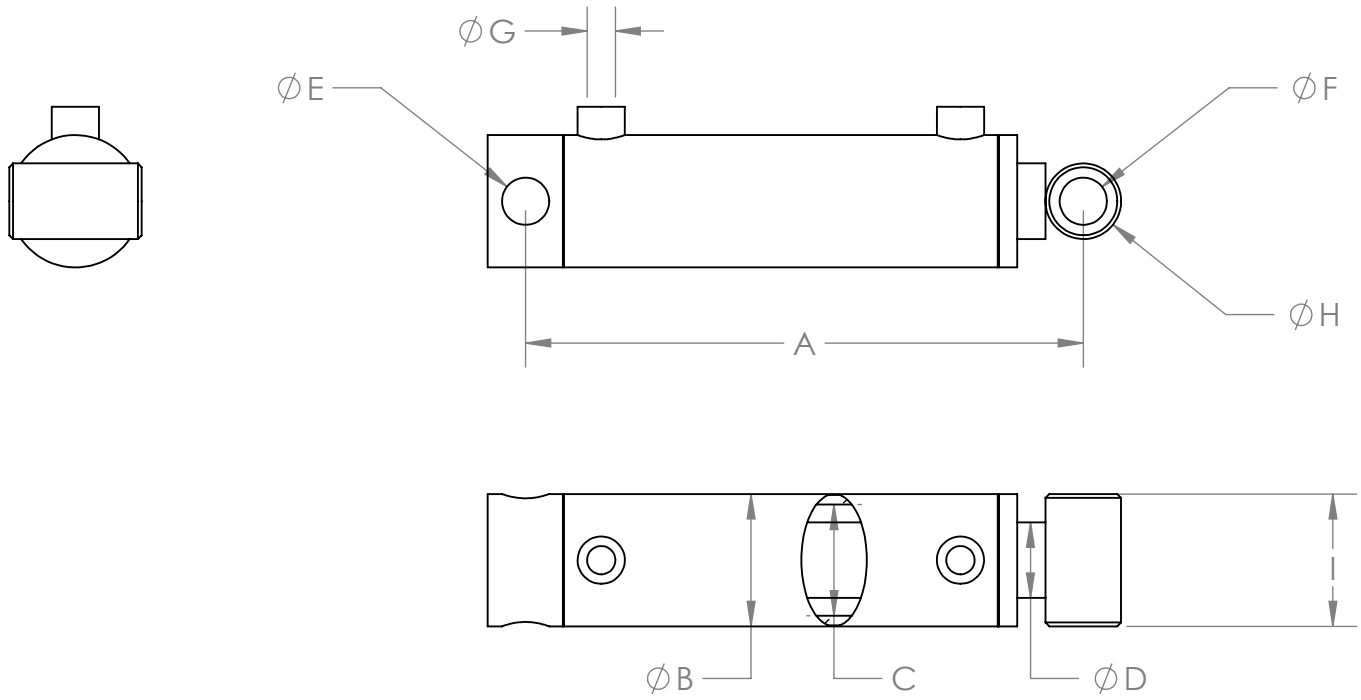

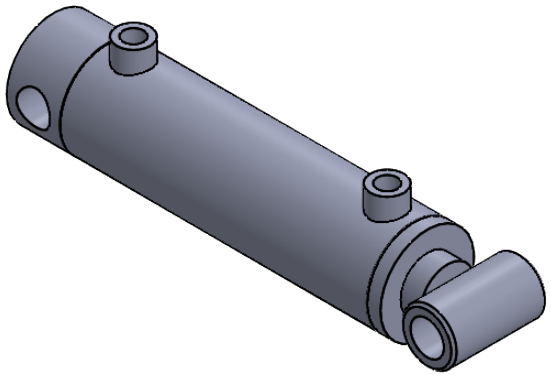

Item	A	Stroke	B	C	D	E	F	G	H	I
G3895	305mm	105mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3899	330mm	130mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3903	380mm	180mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3907	460mm	260mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G17683	460mm	250mm	80mm	70mm	40mm	30mm	30mm	3/8in BSP	50mm	55mm
G3909	510mm	310mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm

DO NOT SCALE DRAWING

First Angle Projection

FINISH: TBC

DEBUR AND BREAK SHARP EDGES

GROUP/CATEGORY: Hydraulics

	NAME	SIGNATURE	DATE
DRAWN	J. WALSH	J.W	15/11/2016

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR: +/- 0.2
ANGULAR: +/- 0.5 deg

TITLE: Double acting hydraulic clyinder

GENFITT

MATERIAL: N/A

DWG NO. Standard Duty DA Cyl

A4

WEIGHT: N/A

SCALE: 1:2

Item	A	Stroke	B	C	D	E	F	G	H	I
G3911	560mm	360mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G19359	560mm	360mm	80mm	70mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3913	610mm	410mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3917	660mm	460mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3919	710mm	510mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3921	760mm	560mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3923	810mm	610mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3957	865mm	665mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3958	915mm	710mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3959	1220mm	1020mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G3959A	1422mm	1222mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	70mm
G18513	1473mm	1270mm	70mm	60mm	40mm	25.4mm	25.4mm	3/8in BSP	45mm	120mm

The following tables show the minimum requirement specification of the main material for our cylinders:

Cylinder Tube

Material ST52-3 DIN2393
Certificate EN 10204 3.1B
Range Bore Min 25mm - max 160mm
Tolerance EN20286 H9
Roughness Ra 0,4 µm - 0,8 µm

Piston Rod

Material C45E
Certificate EN 10204 3.1B
Range Min 12mm - max 100mm
Chrome thickness 25µm - 40µm
Chrome hardness 900HV
Roughness Ra < 0,2 µm
Porosity BSS 4641 B
Tolerance EN 20286 f7
Straightness 0,2mm / 1000mm
Corrosion test ASTM B 117, Rating 9 ISO4540 (100h)

Rod Seals

Material Polyurethane
Speed 0,5m/s
Pressure 400 bar
Temperature -40°C to + 90°C

Piston Seals

Material NBR
Speed 0,5m/s
Pressure 400 bar
Temperature -30°C to + 90°C

DO NOT SCALE DRAWING
First Angle Projection

FINISH: TBC

DEBUR AND BREAK SHARP EDGES

GROUP/CATEGORY: Hydraulics

	NAME	SIGNATURE	DATE
DRAWN	J. WALSH	J.W	15/11/2016

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR: +/- 0.2
ANGULAR: +/- 0.5 deg

TITLE: Double acting hydraulic clyinder

GENFITT

MATERIAL: N/A

DWG NO. Standard Duty DA Cyl

A4

WEIGHT: N/A

SCALE: 1:2