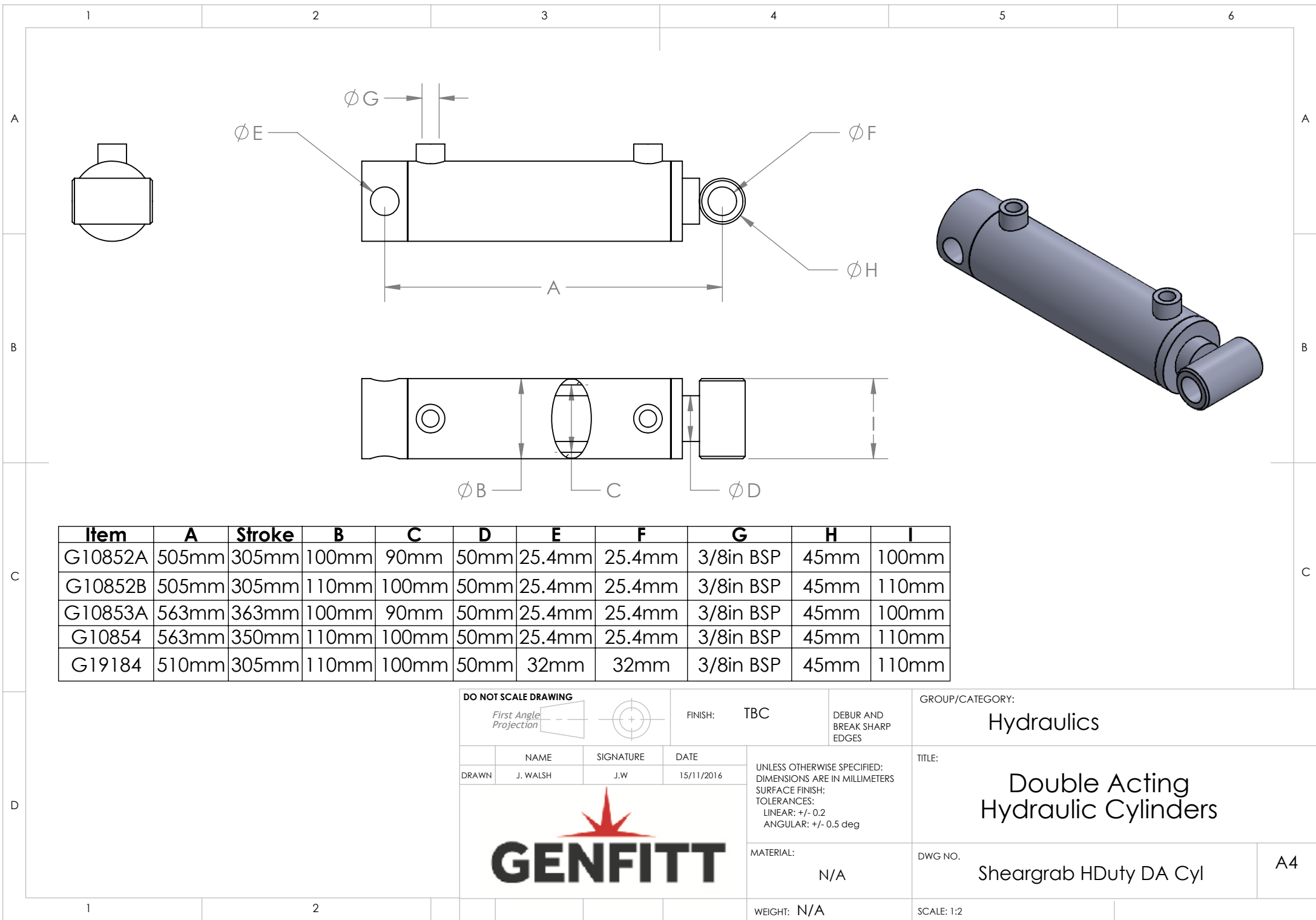




The following tables show the minimum requirement specification of the main material for our cylinders:

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 25 μm - 40 μm

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 cylinder

GENFITT

MATERIAL:

N/A

DWG NO.

Sheargrab HDuty DA Cyl

A4

WEIGHT: N/A

SCALE: 1:2