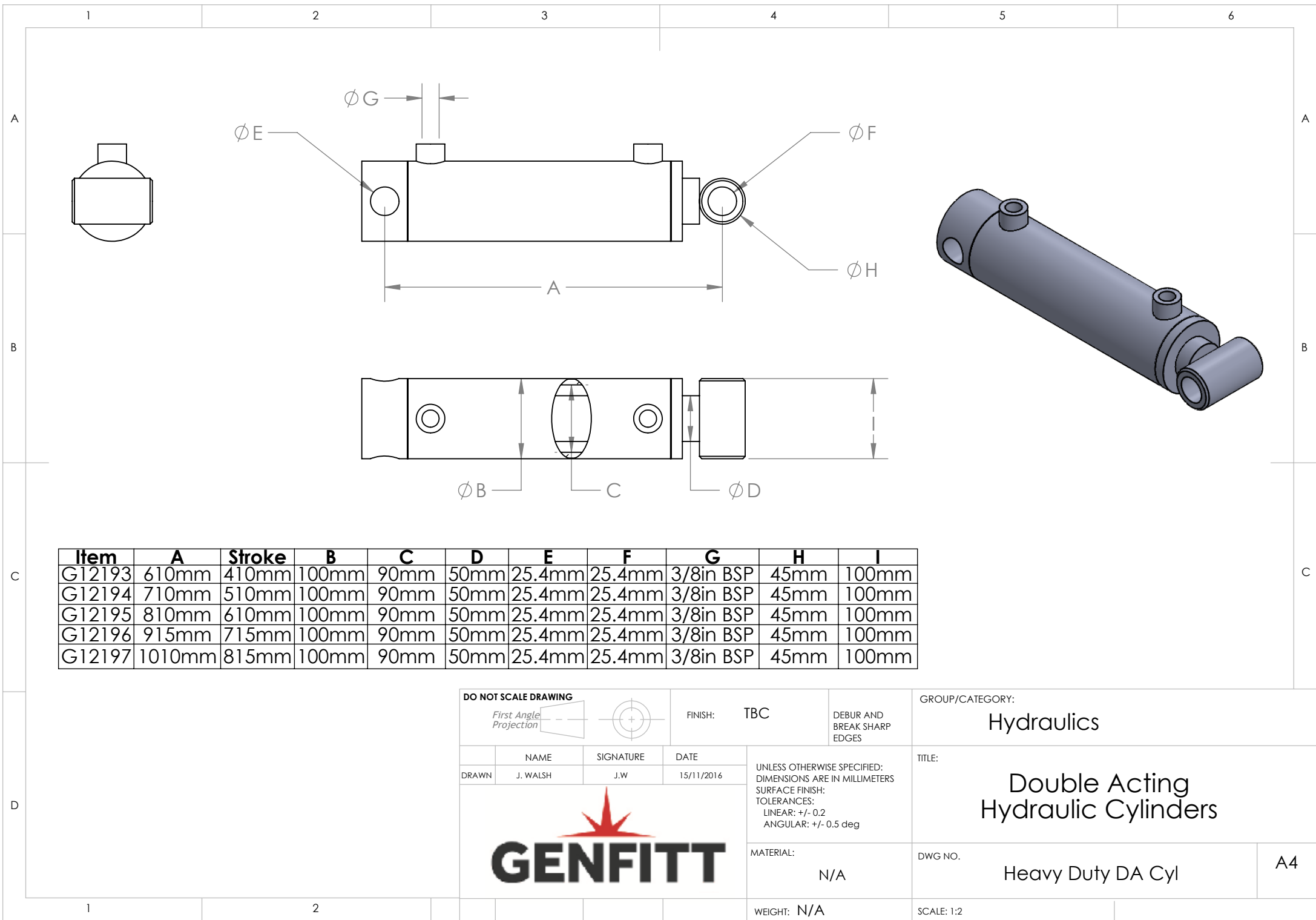




1	2	3	4	5	6																																				
The following tables show the minimum requirement specification of the main material for our cylinders: Cylinder Tube Material ST52-3 DIN2393 Certificate EN 10204 3.1B Range Bore Min 25mm - max 160mm Tolerance EN20286 H9 Roughness Ra 0,4 µm - 0,8 µm Piston 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																																									
<table><tr><td colspan="2">DO NOT SCALE DRAWING</td><td colspan="2"></td><td>FINISH: TBC</td><td>DEBUR AND BREAK SHARP EDGES</td><td colspan="2">GROUP/CATEGORY: Hydraulics</td></tr><tr><td></td><td>NAME</td><td>SIGNATURE</td><td>DATE</td><td colspan="2" rowspan="2">UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: +/- 0.2 ANGULAR: +/- 0.5 deg</td><td colspan="2" rowspan="2">TITLE: Double acting hydraulic cylinder</td></tr><tr><td>DRAWN</td><td>J. WALSH</td><td>J.W</td><td>15/11/2016</td></tr><tr><td colspan="4"></td><td>MATERIAL: N/A</td><td>DWG NO. Heavy Duty DA Cyl</td><td colspan="2">A4</td></tr><tr><td colspan="4"></td><td>WEIGHT: N/A</td><td>SCALE: 1:2</td><td colspan="2"></td></tr></table>						DO NOT SCALE DRAWING				FINISH: TBC	DEBUR AND BREAK SHARP EDGES	GROUP/CATEGORY: Hydraulics			NAME	SIGNATURE	DATE	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: +/- 0.2 ANGULAR: +/- 0.5 deg		TITLE: Double acting hydraulic cylinder		DRAWN	J. WALSH	J.W	15/11/2016					MATERIAL: N/A	DWG NO. Heavy Duty DA Cyl	A4						WEIGHT: N/A	SCALE: 1:2		
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