

Drawing
17130404-100 CAD Outsourcing

Used on
 20110102-001 HY27 Hydraulic Ram
 20111115-001 HY54 2 Stage Hydraulic Ram
 20120904-002 CY22 Hydraulic Cylinder
 20120904-003 CY23 Hydraulic Cylinder

PARTS LIST			
ITEM	PART No.	DESCRIPTION	QTY
1	17130404-101	Upper Limit Plunger Housing	1
2	17130404-102	Adjustment Plate	1
3	17130404-103	Upper Limit Plunger	1
4	17130404-104	Location Spindle	1
5	17130404-105	Top Hat	1
6	17130404-106	Retaining Plate	1
7	BS EN ISO 4762	M5x30 Socket Head Cap Screw (see note 2.1)	1
8	BS EN ISO 4762	M5x15 Socket Head Cap Screw (see note 2.1)	4
9	BS EN ISO 7380	M5x10 Button Head Screw (see note 2.1)	2
10	BS 4320	M5 Plain Washer (see note 2.2)	2
11	24587164	Spring, ϕ 2.5 wire, ID 24, 40 Long	1

Upper Limit Plunger Assembly 15.07.2015

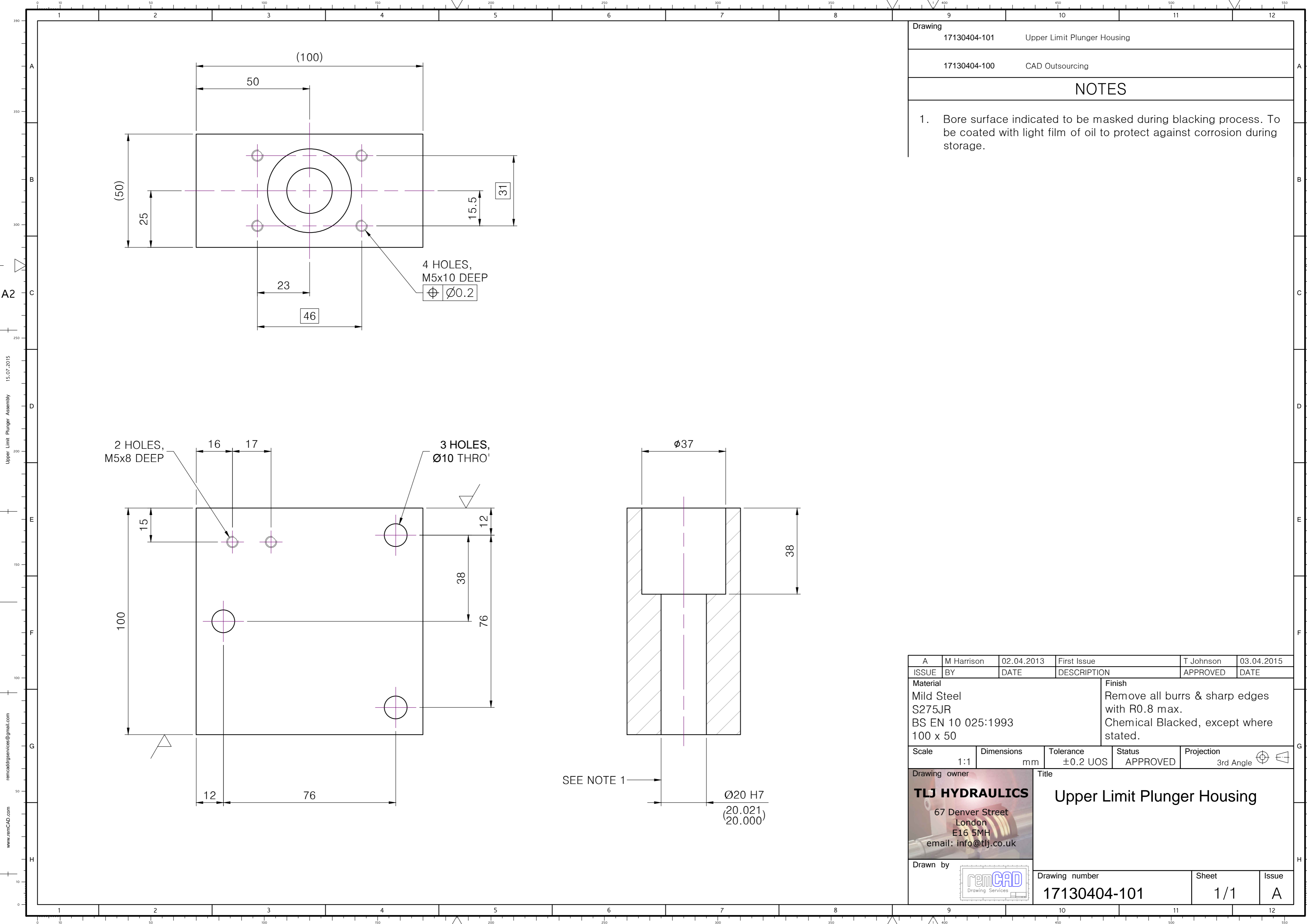
NOTES

- Set up assembly to nominal dimensions shown.
- Materials to be as follows:-
 - Stainless Steel BS 6105, Grade A2-70.
 - Stainless Steel BS 1449: pt 2, Grade 304S16.

C	M Harrison	08.07.2015	Item 8 was M4x12		
B	M Harrison	04.04.2013	Item 1 was 75 long	T Johnson	04.04.2015
A	M Harrison	02.04.2013	First Issue	T Johnson	03.04.2015
ISSUE	BY	DATE	DESCRIPTION	APPROVED	DATE
Scale	1:1	Dimensions	mm	Tolerance	N/A
Status	APPROVED	Projection	3rd Angle		

Drawing owner TLJ HYDRAULICS 67 Denver Street London E16 5MH email: info@tlj.co.uk	Title Upper Limit Plunger Assembly
--	--

Drawn by 	Drawing number 17130404-100	Sheet 1/1	Issue C
--------------	---------------------------------------	---------------------	-------------------



Drawing	17130404-101	Upper Limit Plunger Housing
	17130404-100	CAD Outsourcing
NOTES		

1. Bore surface indicated to be masked during blacking process. To be coated with light film of oil to protect against corrosion during storage.

A	M Harrison	02.04.2013	First Issue	T Johnson	03.04.2015
ISSUE	BY	DATE	DESCRIPTION	APPROVED	DATE
Material Mild Steel S275JR BS EN 10 025:1993 100 x 50			Finish Remove all burrs & sharp edges with R0.8 max. Chemical Blacked, except where stated.		
Scale	Dimensions	Tolerance	Status	Projection	
1:1	mm	±0.2 UOS	APPROVED	3rd Angle	
Drawing owner TLJ HYDRAULICS 67 Denver Street London E16 5MH email: info@tlj.co.uk			Title Upper Limit Plunger Housing		
Drawn by 		Drawing number 17130404-101	Sheet 1/1	Issue A	

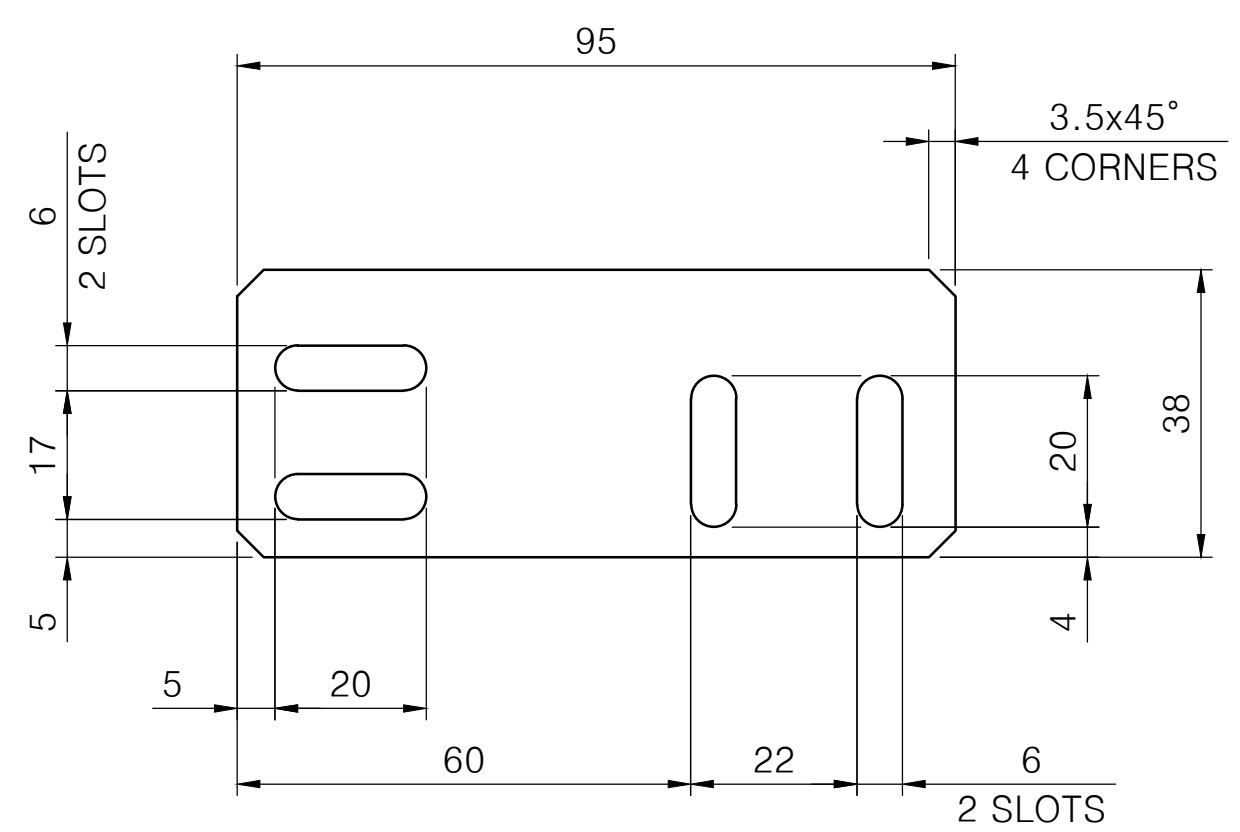
Upper Limit Plunger Assembly 15.07.2015
 remcad@remcad.com
 www.remCAD.com

A3

Upper Limit Plunger Assembly 15.07.2015

remcaddrgservices@gmail.com

www.remCAD.com



Drawing	17130404-102	Adjustment Plate
Drawing	17130404-100	CAD Outsourcing

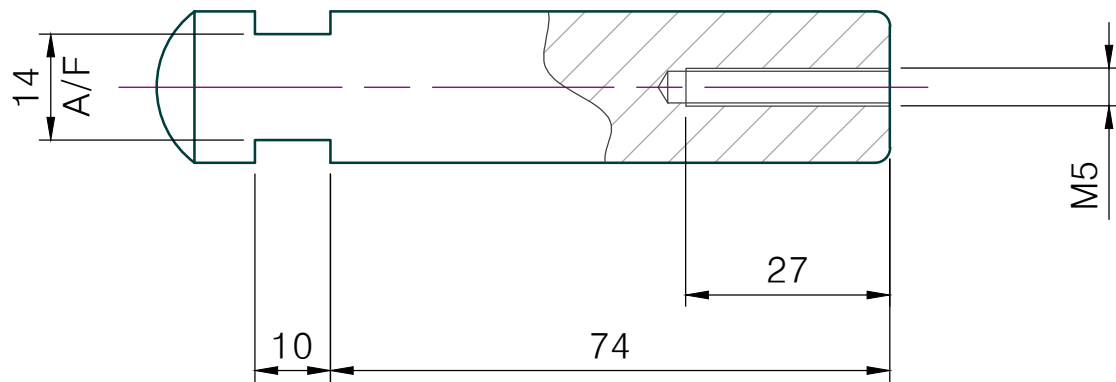
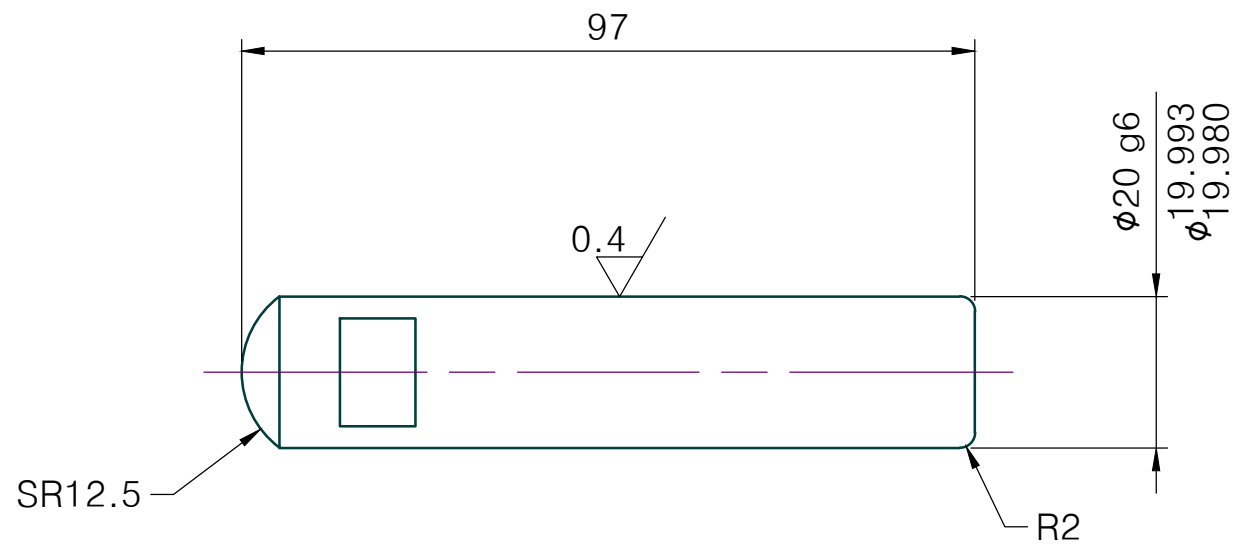
A	M Harrison	02.04.2013	First Issue	T Johnson	22.04.2015
ISSUE	BY	DATE	DESCRIPTION	APPROVED	DATE
Material			Finish		
Mild Steel Plate			Remove all burrs & sharp edges with R0.8 max.		
S275JR			Chemical Blacked.		
BS EN 10 025:1993					
3mm Thick					
Scale	Dimensions	Tolerance	Status	Projection	
1:1	mm	±0.2 UOS	APPROVED	3rd Angle	
Drawing owner		Title			
TLJ HYDRAULICS		Adjustment Plate			
67 Denver Street London E16 5MH email: info@tlj.co.uk					
Drawn by		Drawing number		Sheet	Issue
		17130404-102		1/1	A

A3

Upper Limit Plunger Assembly 15.07.2015

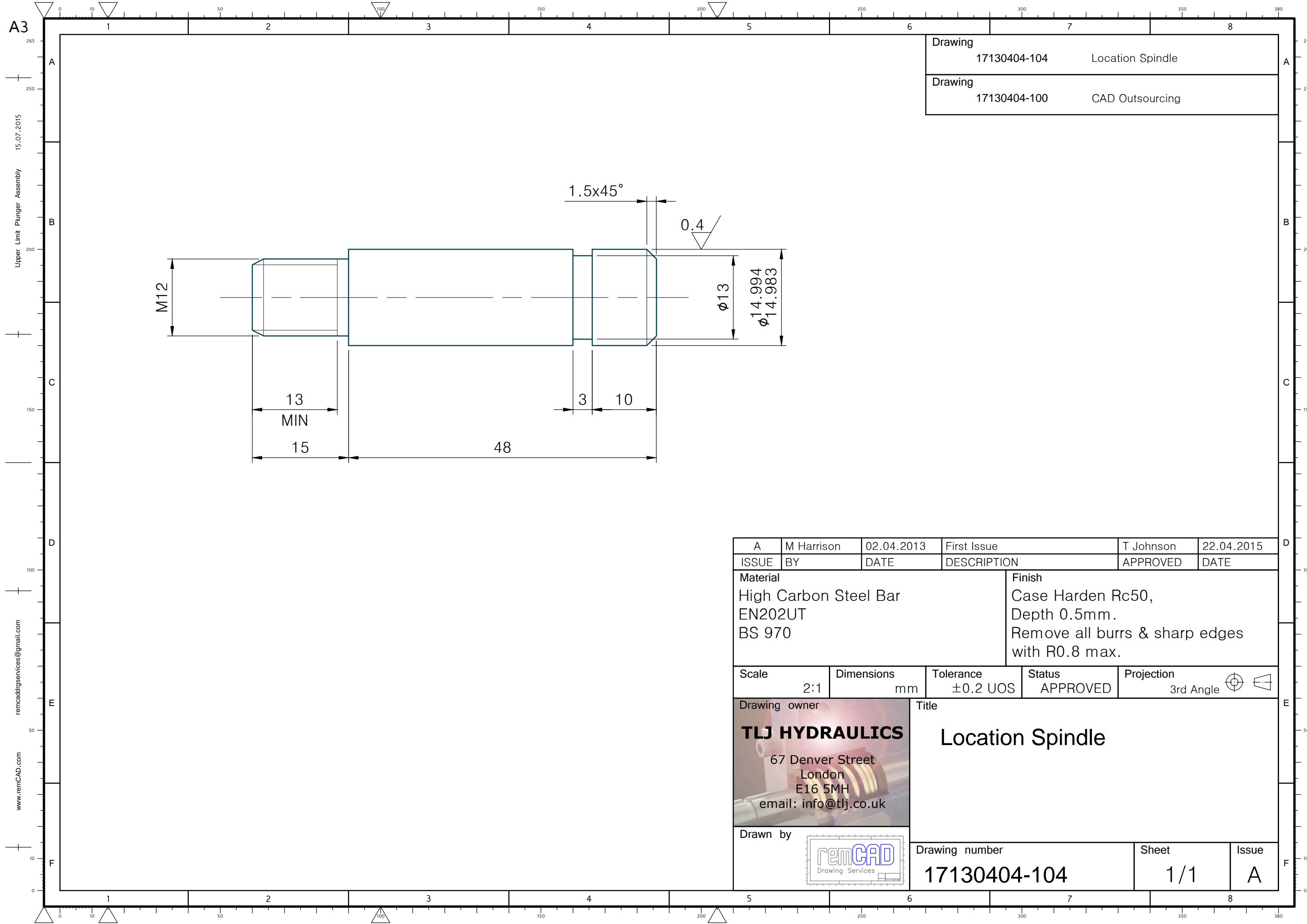
remcaddrgservices@gmail.com

www.remCAD.com



Drawing	17130404-103	Upper Limit Plunger
Drawing	17130404-100	CAD Outsourcing

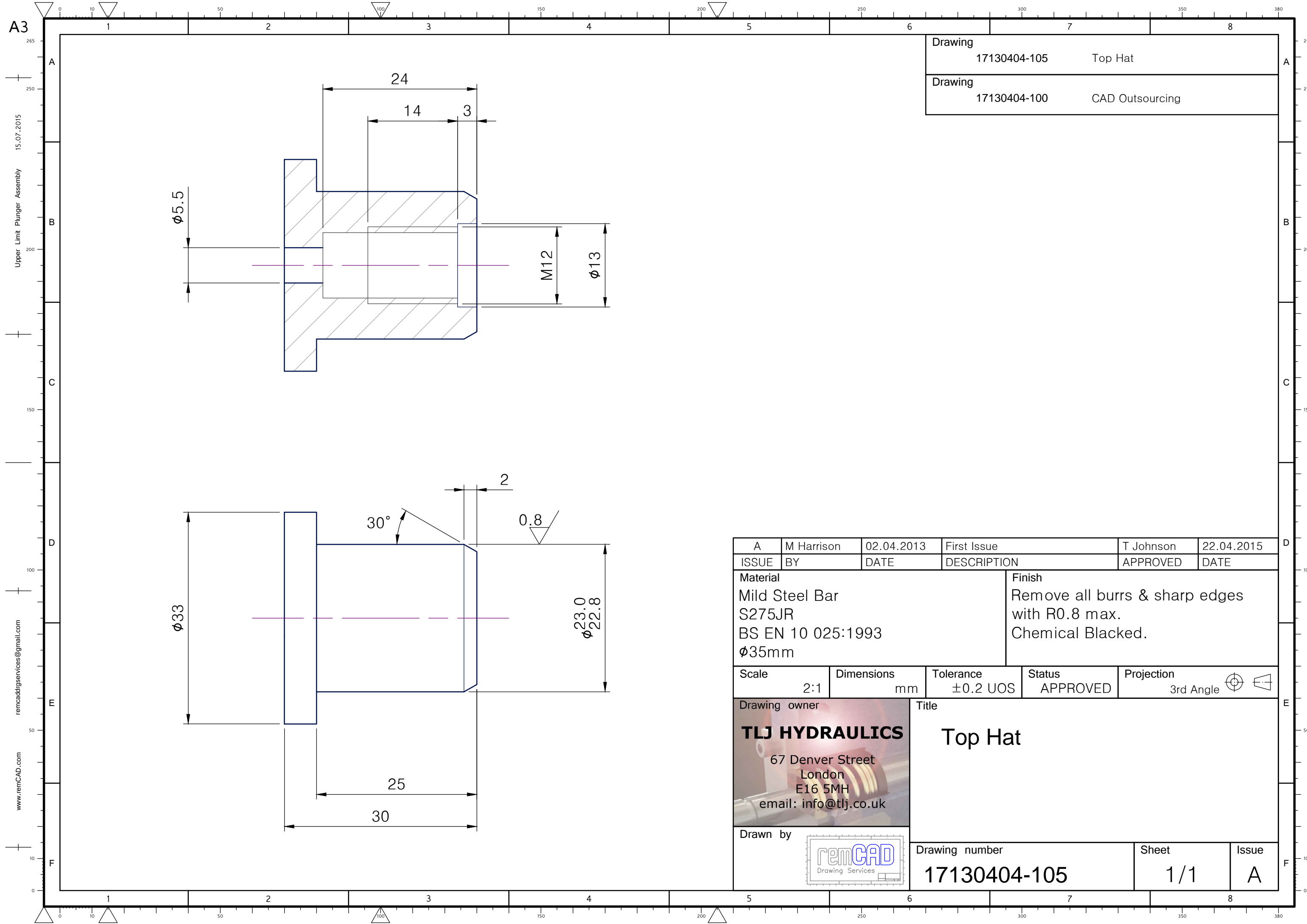
A	M Harrison	02.04.2013	First Issue	T Johnson	22.04.2015
ISSUE	BY	DATE	DESCRIPTION	APPROVED	DATE
Material			Finish		
High Carbon Steel Bar			Case Harden Rc50,		
EN202UT			Depth 0.5mm.		
BS 970			Remove all burrs & sharp edges		
			with R0.8 max.		
Scale	Dimensions	Tolerance	Status	Projection	
1:1	mm	$\pm 0.2\ UOS$	APPROVED	3rd Angle	
Drawing owner			Title		
TLJ HYDRAULICS			Upper Limit Plunger		
67 Denver Street					
London					
E16 5MH					
email: info@tlj.co.uk					
Drawn by			Drawing number		Sheet
			17130404-103		1/1
			Issue		A



Drawing	17130404-104	Location Spindle
Drawing	17130404-100	CAD Outsourcing

A	M Harrison	02.04.2013	First Issue	T Johnson	22.04.2015
ISSUE	BY	DATE	DESCRIPTION	APPROVED	DATE
Material			Finish		
High Carbon Steel Bar			Case Harden Rc50,		
EN202UT			Depth 0.5mm.		
BS 970			Remove all burrs & sharp edges		
			with R0.8 max.		
Scale	Dimensions	Tolerance	Status	Projection	
2:1	mm	±0.2 UOS	APPROVED	3rd Angle	
Drawing owner		Title			
 67 Denver Street London E16 5MH email: info@tlj.co.uk		Location Spindle			
Drawn by		Drawing number		Sheet	Issue
		17130404-104		1/1	A

A3
 15.07.2015
 Upper Limit Plunger Assembly
 remcaddringservices@gmail.com
 www.remCAD.com



Drawing	17130404-105	Top Hat
Drawing	17130404-100	CAD Outsourcing

A	M Harrison	02.04.2013	First Issue	T Johnson	22.04.2015
ISSUE	BY	DATE	DESCRIPTION	APPROVED	DATE
Material Mild Steel Bar S275JR BS EN 10 025:1993 Ø35mm				Finish Remove all burrs & sharp edges with R0.8 max. Chemical Blacked.	
Scale	Dimensions	Tolerance	Status	Projection	
2:1	mm	±0.2 UOS	APPROVED	3rd Angle	
Drawing owner TLJ HYDRAULICS 67 Denver Street London E16 5MH email: info@tlj.co.uk			Title Top Hat		
Drawn by			Drawing number 17130404-105		Sheet 1/1
			Issue A		

Upper Limit Plunger Assembly 15.07.2015

remcaddrgservices@gmail.com

www.remCAD.com

