

PART M02358C&D
FOR INDEPENDENT
POINT LAYOUT
SEE SHT 2 OF 2

PART M02358B
USED WITHOUT
BACKDRIVE
STOCK CODE
2083004

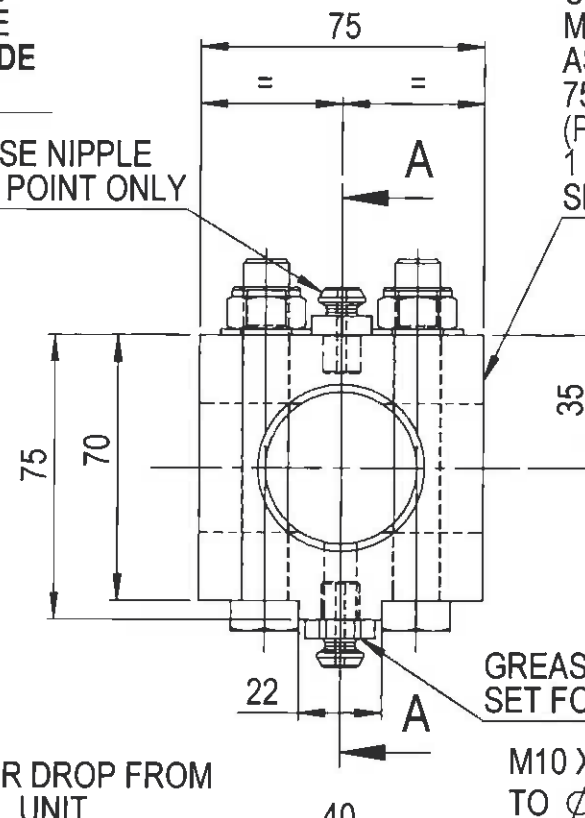
PART M02358A
USED WITH
BACKDRIVE
STOCK CODE
2082988

M10 HOLE & GREASE NIPPLE
SETTING FOR IND. POINT ONLY

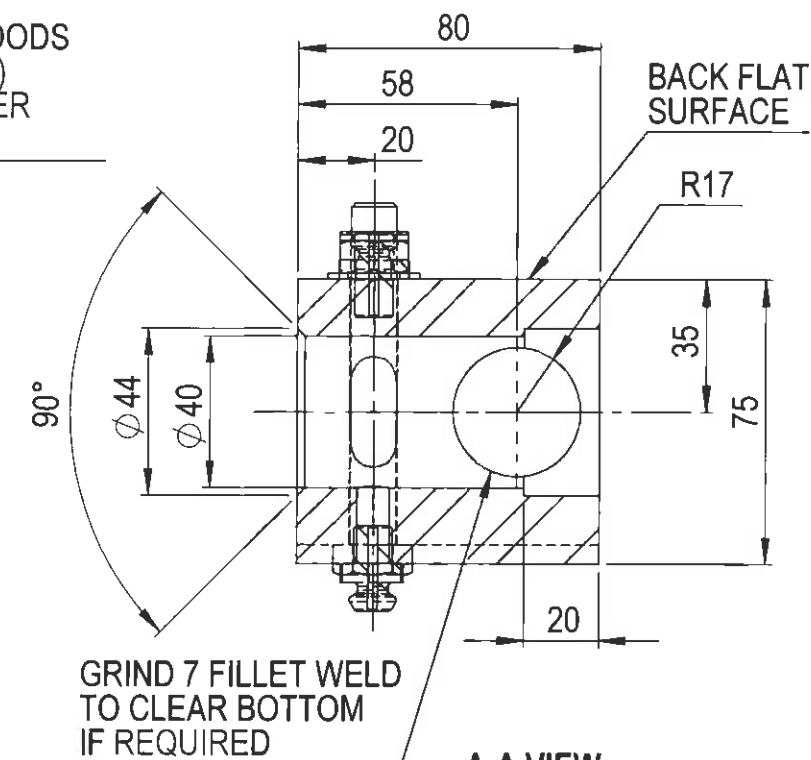
NOTE:

1. 2 SETS OF M12 X 90 LONG CLASS 8.8 HEX HEAD BOLTS, WASHERS AND NYLOC NUTS ARE REQUIRED IN INSTALLATION WITH CENTRAL UNIT OF A SPHEROLOCK.
2. 1 OFF M10 X 1.0 PITCH STRAIGHT HEX HEAD GREASE NIPPLE, FINE FIT AFTER PAINTING. THE GREASE NIPPLE SET ON BACK FLAT SURFACE IS FOR INDEPENDENT POINT ONLY.
3. ALL EDGES OF THE BLOCK ARE R2.
4. IN SPHEROLOCK LAYOUT PART M02358A OR M02358B SHALL BE ONE CONTINUOUS LENGTH OF STEEL.

CONNECTING BLOCK
MATERIAL: SQUARE STEEL
AS3679.1-250
75X75MM BLACKWOODS
(PART No:0130 4459)
1 OFF REQUIRED PER
SPHEROLOCK UNIT



GREASE NIPPLE
SET FOR STD. POINT
M10 X 1.0 THROUGH
TO Ø40 HOLE



A-A VIEW

GRIND 7 FILLET WELD
TO CLEAR BOTTOM
IF REQUIRED

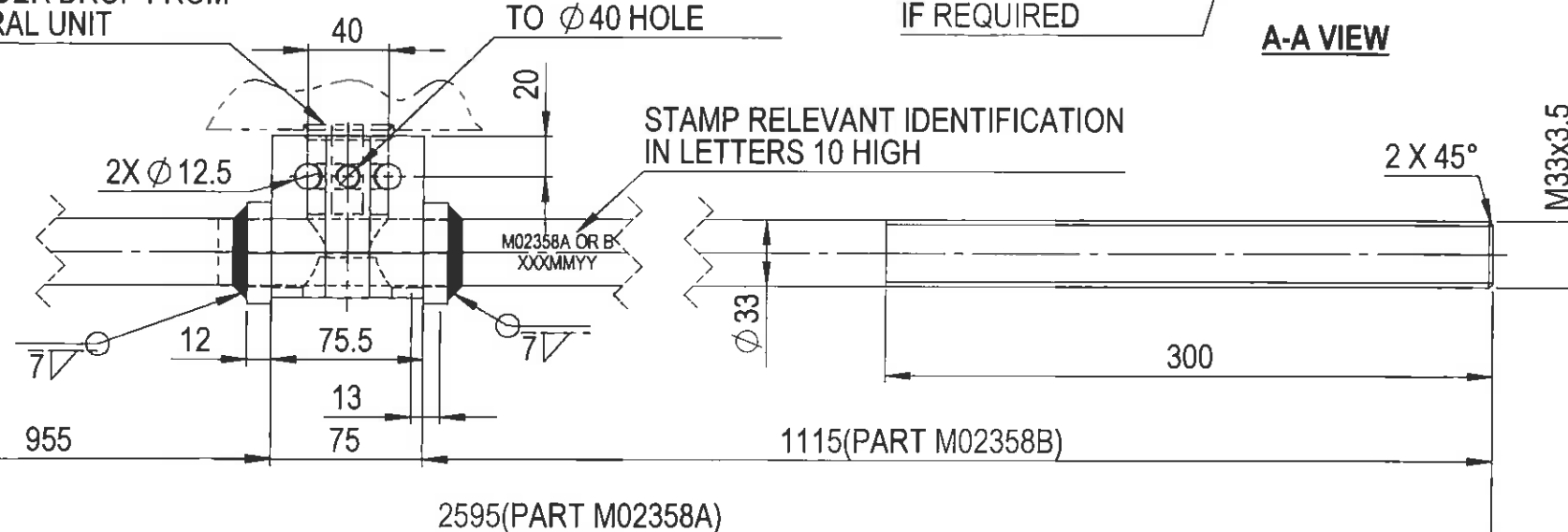
M33X3.5
2 X 45°
CUTTING LENGTH 2725MM
BEFORE BENDING

TWO RINGS
OD=50, ID=34
12MM THICK

CYLINDER DROP FROM
CENTRAL UNIT

STAMP RELEVANT IDENTIFICATION
IN LETTERS 10 HIGH

OPERATING ROD (PART NO: M02358A&B)
MATERIAL: ROUND STEEL AS3679.1-250
33MM DIA. BLACKWOODS (PART No: 0130 3310)
1 OFF REQUIRED PER SPHEROLOCK UNIT
4 OFF M33X3.5 HEX NUTS REQUIRED



GENERAL TOLERANCES
LINEAR
<1000
>1000
RADIAL
<500
>500
ANGULAR
30°

RailCorp
SIGNALS
Chief Engineer's Division

TITLE
OPERATING ROD AND CONNECTING BLOCK
THROUGH SPHEROLOCK ON INBEARER
MANUFACTURING DETAIL OF PARTS M02358A & B

SIGNAL DESIGN

EDMS: SG0180660

DESIGNED
C. Liang

DRAWN
C. Liang

REVIEWED
R.L.F.

VERIFIED
A.N.

APPROVED
P.Z.

CAD DO NOT AMEND MANUALLY

DATE
05/05/2009

SCALE
N. T. S.

DRG No
M02-358

SHT 1
OF 2

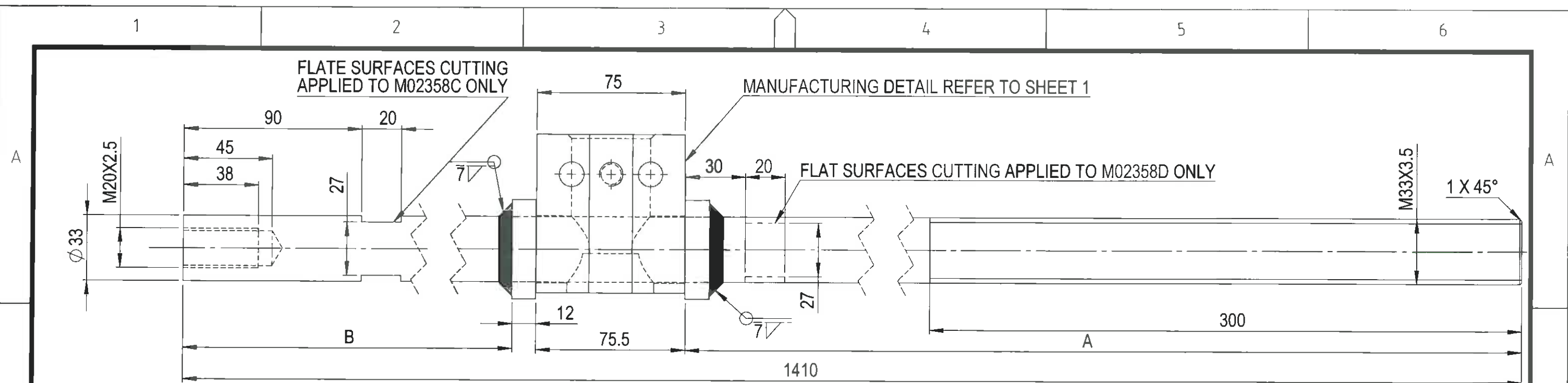
REV No
5

A3

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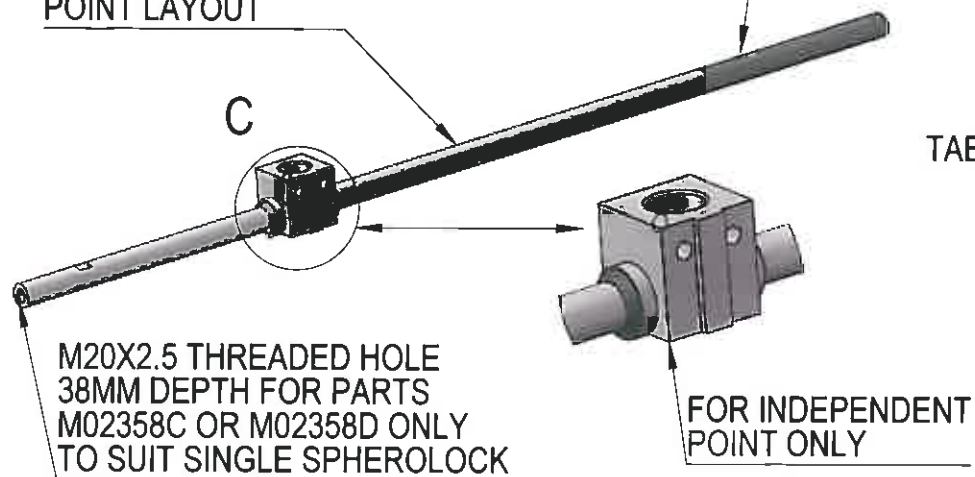
ALL DIMENSIONS
IN
MILLIMETRES

AS 1100
THIRD ANGLE PROJECTION



PART M02358C OR D
FOR INDEPENDENT
POINT LAYOUT

M33X3.5 THREAD



FOR INDEPENDENT
POINT ONLY

M20X2.5 THREADED HOLE
38MM DEPTH FOR PARTS
M02358C OR M02358D ONLY
TO SUIT SINGLE SPHEROLOCK

M02358E USED
WITH M02358C&D
FOR SINGLE
SPHERLOCKS

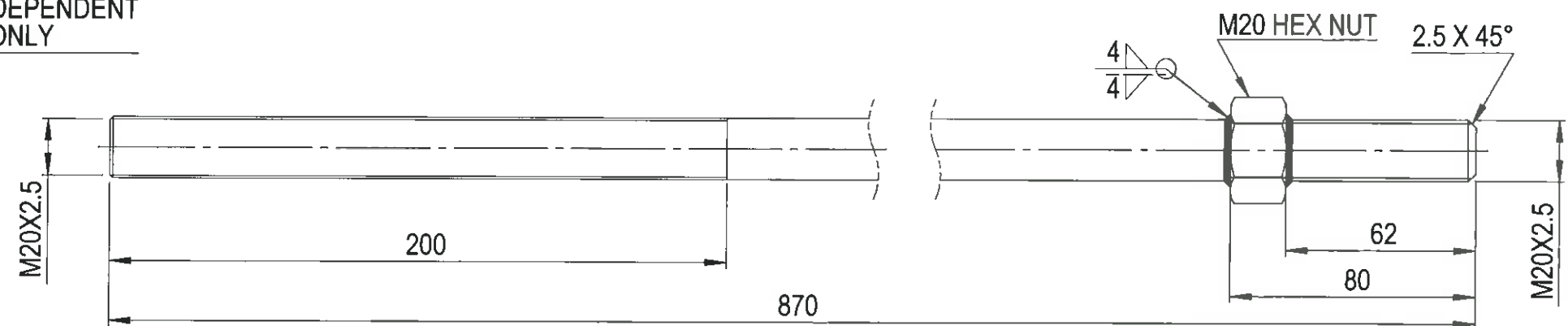
M20X2.5
THREAD

M20X2.5 THREAD

OPERATING ROD WITH CONNECTING BLOCK USED IN INDEPENDENT POINT
PART NUMBER: M02358C OR M02358D MATERIAL: DIA 33 ROUND STEEL AS3679.1-250

TABLE OF OPERATING RODS USED IN INDEPENDENT POINT 522A & 524A AT HORNSBY WITH NORMAL INBEARER LAYOUT

PART NO	DIM. A	DIM. B	PARTS COMBINED FOR SINGLE SPHEROLOCK	STOCK CODE
M02358C	920	402.5	M02358C & M02358E FOR RIGHT HAND SWITCH	
M02358D	1310	12.5	M02358D & M02358E FOR LEFT HAND SWITCH	



M20 HEX NUT

2.5 X 45°

OPERATING ROD EXTENSION WITH M02358C (OR M02358D) FOR INDEPENDENT POINT HORNSBY

PART NUMBER: M02358E

MATERIAL: DIA 20 ROUND MILD STEEL AS3679-250 FINISH: 1 COAT OF R.O.Z.P.

TOLERANCES	
GENERAL	
LINEAR	
<1000	+ 0.5mm
>1000	+ 3mm
RADIAL	
<500	+ 0.25mm
>500	+ 1.5mm
ANGULAR	+ 30'

RailCorp

Chief Engineer's Division

TITLE OPERATING ROD AND CONNECTING BLOCK
THROUGH SPHEROLOCK ON INBEARER
MANUFACTURING DETAIL OF PARTS M02358C/D/E/F

VERSION	DESCRIPTION	DATE	DRAWN	REVIEWED	VERIFIED	APPROVED
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ALL
DIMENSIONS
IN
MILLIMETRES

AS 1100



Technical drawing of a truncated cone. The left view is a side profile showing a trapezoid with a vertical centerline on the left. The right view is a top-down circular view showing two concentric circles.

CAD DO NOT AMEND MANUALLY

DESIGNED C. Liang	DRAWN C. Liang	REVIEWED R.L.F.	VERIFIED A.N.	APPROVED R.W.A.
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DATE	SCALE	DWG. No	SHT 2	REV No	A
16/01/2012	N T S	M02-358	05.2	1	