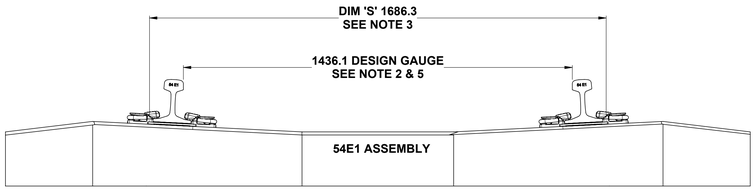


SCALE 1:8

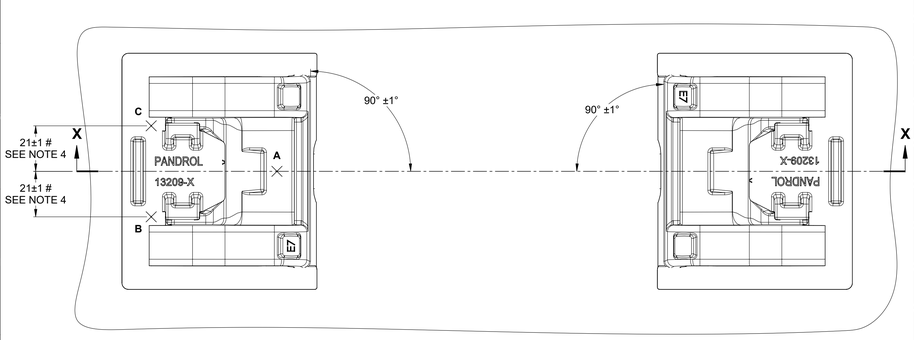


SCALE 1:8

RAIL	60E1	54E1
DESIGN GAUGE	1437	1436.1
INCLINATION	1:20	1:20
RAIL POSITION	HARD TO FIELD	HARD TO FIELD

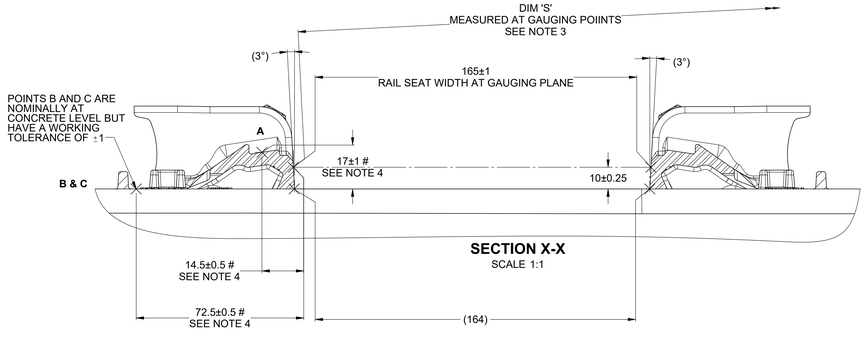
NOTES:

1. RAIL INCLINATION OF 1:20 TO BE PROVIDED IN SLEEPER MOULD.
2. THE OUTER TO OUTER SHOULDER DIMENSION IS DETERMINED WITH NOMINAL SIZE RAIL, PAD, INSULATORS AND INCLINATION. THE RAILS ARE POSITIONED IN CONTACT WITH THE FIELD SIDE COLLAR (i.e. NO CLEARANCE, RAIL HARD TO FIELD SIDE). THE OUTER TO OUTER SHOULDER DIMENSION MAY REQUIRE ADJUSTMENT TO COMPENSATE FOR ANY VARIATION FROM THE NOMINAL SIZES.
3. THE OUTER TO OUTER SHOULDER DIMENSION IS CALCULATED AT THE GAUGING PLANE 10mm ABOVE CONCRETE LEVEL - SEE SECTION X-X.
4. DIMENSIONS MARKED # ARE FOR GAUGE CALIBRATION.
5. MEASURED IN ACCORDANCE WITH EN.13848-1 i.e. 14mm BELOW THE RUNNING SURFACE.
6. REQUIRED ASSEMBLY TO BE CONSTRUCTED AND CHECKED IN CONJUNCTION WITH PANDROL WORK INSTRUCTION WI.00016-2.
7. ALTERNATIVE RAIL PAD APPROVED BY PANDROL LTD. MAY BE INSTALLED DEPENDING ON APPLICATION.
8. ALTERNATIVE SHOULDER APPROVED BY PANDROL LTD. MAY BE INSTALLED DEPENDING ON APPLICATION.



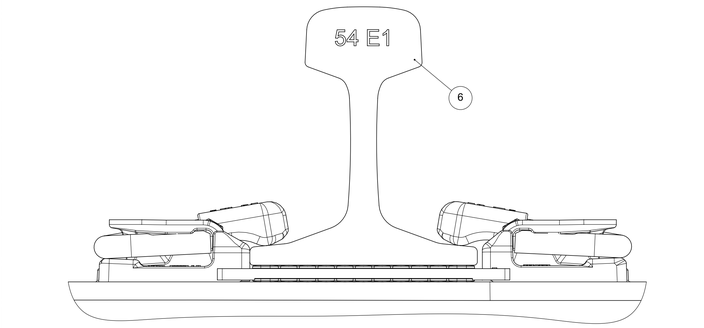
PANDROL GAUGE No.	GAUGE DESCRIPTION
AE17030	RAIL SEAT WIDTH
AE16145	SHOULDER HEIGHT

SHOULDER SETTING



SECTION X-X

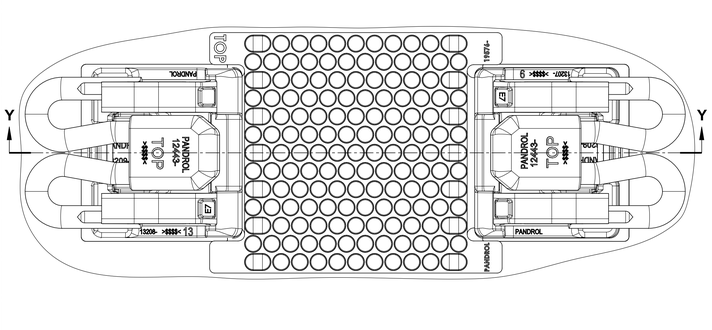
SCALE 1:1

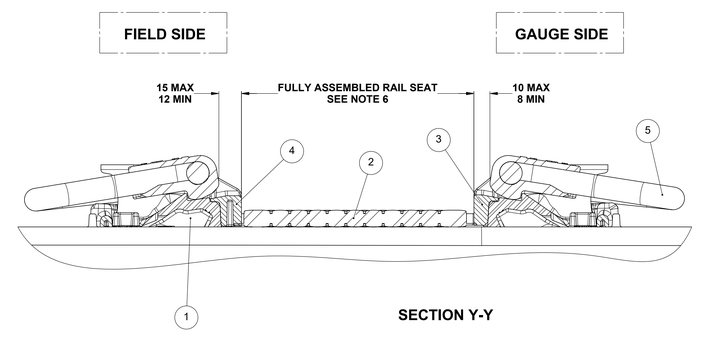


PARTS LIST - 54E1 RAIL

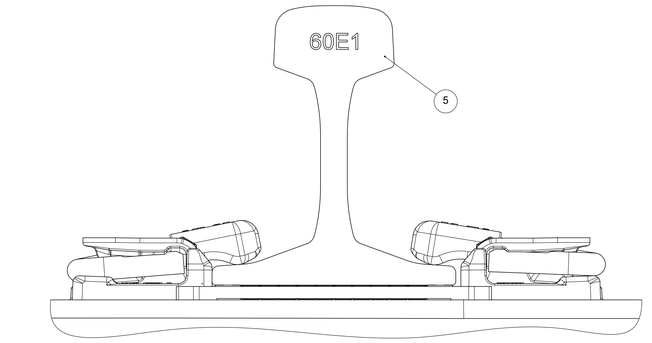
QUANTITIES ARE PER SLEEPER

ITEM	PART NO.	DESCRIPTION	QTY	REMARKS
1	13783	SHOULDER AND SEAL PLATE ASSEMBLY	4	CONTAIN 13125 CAST SHOULER AND 13209 SEAL PLATE. SEE NOTE 8.
2	19576	STUDDED RUBBER RAIL PAD	2	ALTERNATIVE PAD 14372
3	13207-9	INSULATOR - COLLAR - 9mm - FE	2	COLOUR - BROWN
4	13208-13	INSULATOR - COLLAR -13mm - FE	2	COLOUR - PINK
5	12776	FE1404 CLIP AND TOE INSULATOR	4	CONTAINS 12766 CLIP AND 12443 INSULATOR
6	-	54E1 RAIL	A/R	





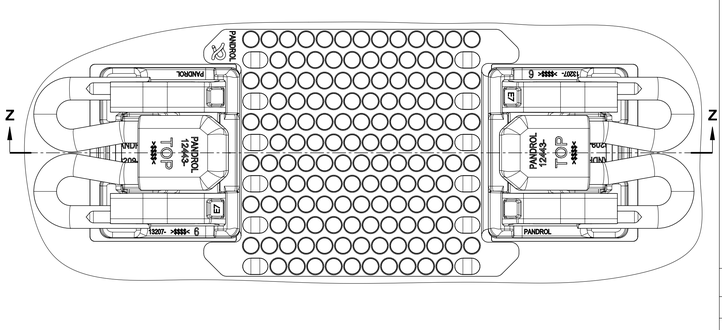
SECTION Y-Y



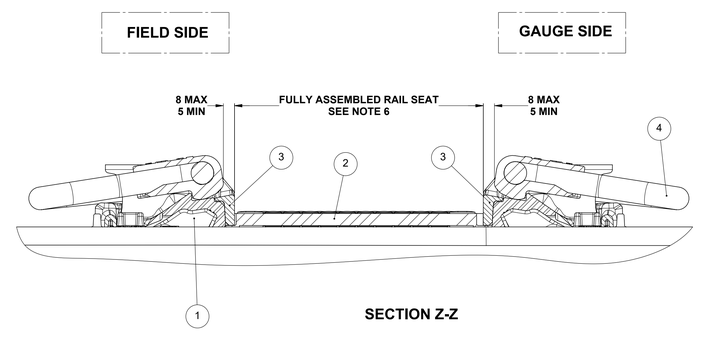
PARTS LIST - 60E1 RAIL

QUANTITIES ARE PER SLEEPER

ITEM	PART NO.	DESCRIPTION	QTY	REMARKS
1	13783	SHOULDER AND SEAL PLATE ASSEMBLY	4	CONTAIN 13125 CAST SHOULER AND 13209 SEAL PLATE. SEE NOTE 8.
2	14958	RUBBER RAIL PAD	2	ALTERNATIVE PAD 12788
3	13207-6	INSULATOR - COLLAR - 6mm - FE	4	COLOUR - NATURAL
4	12776	FE1404 CLIP AND TOE INSULATOR	2	CONTAINS 12766 CLIP AND 12443 INSULATOR
5	-	60E1 RAIL	A/R	



PANDROL TOOL No.	DESCRIPTION
AE18324	FACTORY ASSEMBLY TOOL



SECTION Z-Z

© THIS DRAWING HAS COPYRIGHT WHICH IS OWNED BY PANDROL.
NEITHER THIS DRAWING ITSELF NOR ARTICLE NOR COMPONENT ILLUSTRATED THEREIN MAY BE REPRODUCED IN WHOLE OR IN PART, IN ANY FORM WHATSOEVER WITHOUT PRIOR WRITTEN AUTHORITY FROM PANDROL.
THIS DRAWING HAS BEEN DELIVERED ON THE UNDERSTANDING THAT IT IS NOT USED IN ANY WAY AGAINST THE INTERESTS OF PANDROL AND WILL BE RETURNED ON DEMAND.
"PANDROL" IS A REGISTERED TRADE MARK.
"PANDROL", BRAND "PR" CLIPS, TYPE "E" CLIPS, "PANDROL SD", "PANDROL NABLA", "PANDROL SAFELOK", "PANDROL GAUGE-LOCK", "PANDROL DEENIK" AND "PANDROL FASTCLIP" ARE SUPPLIED EXCLUSIVELY BY PANDROL.

ALL DIMENSIONS IN	ORIGINAL SCALE
MILLIMETRES	3:4

GENERAL TOLERANCES UNLESS OTHERWISE STATED

MATERIAL

FINISH

DRAWN WITH REFERENCE TO PANDROL PRFSS-201

DO NOT SCALE | IF IN DOUBT, ASK!

COPY STATUS

THIS COPY, ALTHOUGH CORRECT AT THE DATE OF ISSUE, WILL NOT BE KEPT UP TO DATE. PANDROL BRAND COMPONENTS ARE UNDER CONTINUOUS DEVELOPMENT. SPECIFIC VARIANTS USUALLY NEED TO BE DEVELOPED TO SUIT SPECIFIC APPLICATIONS AND COMPONENT PARTS WITHIN AN ASSEMBLY NEED TO BE MATCHED TO EACH OTHER TO ENSURE SUCCESSFUL PERFORMANCE. CUSTOMERS AND THEIR PROFESSIONAL ADVISERS INTENDING TO SPECIFY PANDROL BRAND ASSEMBLIES SHOULD REFER TO PANDROL TO CHECK THAT THE DRAWINGS USED AND THE COMPONENTS PROPOSED ARE STILL CURRENT AND CORRECT FOR THE INTENDED APPLICATION. MANUFACTURERS SHOULD CHECK THAT THE DRAWING NUMBER AND ISSUE CODE CORRESPONDS EXACTLY TO THE CODES ON THE PANDROL PURCHASE ORDER.
IF YOU WISH TO BE KEPT INFORMED OF UPDATES TO THIS DRAWING, PLEASE REQUEST PANDROL TO ADD YOUR NAME TO THE DRAWING CONTROLLING LIST.

IDI/ECR NUMBER	SHEET	SIZE
16911	1 OF 1	A0

ISSUE CODE HISTORY

ISS	ECR	ISS	ECR
-	-	-	-
-	-	1	16911

ISSUE STATUS

THE PRINTED NAMES IN EACH BOX BELOW, INDICATE AN AUTHORISED PANDROL EMPLOYEE HAS COMPLETED THE ACTIVITY. UNTIL THIS DRAWING INDICATES APPROVAL, THIS ISSUE MUST BE REGARDED AS PROVISIONAL, RELEASED FOR DISCUSSION AND THE DEVELOPMENT OF SAMPLES ONLY.

DRAWN BY	DATE
S.BAILEY	17/07/2025
REVISED BY	DATE
-	-
CHECKED BY	DATE
A.CALLAWAY	22/07/2025
APPROVED BY	DATE
NOT APPROVED	

PANDROL

GATEFORD RD, WORKSOP, NOTTS, S81 7AX, ENGLAND

TELEPHONE: +44 (0)1909 476101
FACSIMILE: +44 (0)1909 482989

E-MAIL: INFO@PANDROL.COM
WWW.PANDROL.COM

TITLE

FE ASSEMBLY - FE1404 - 60E1/54E1 - 1:20

DRAWING No.	ISSUE
26034	1