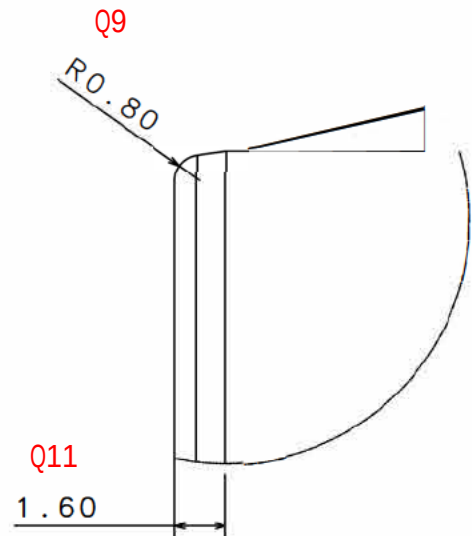
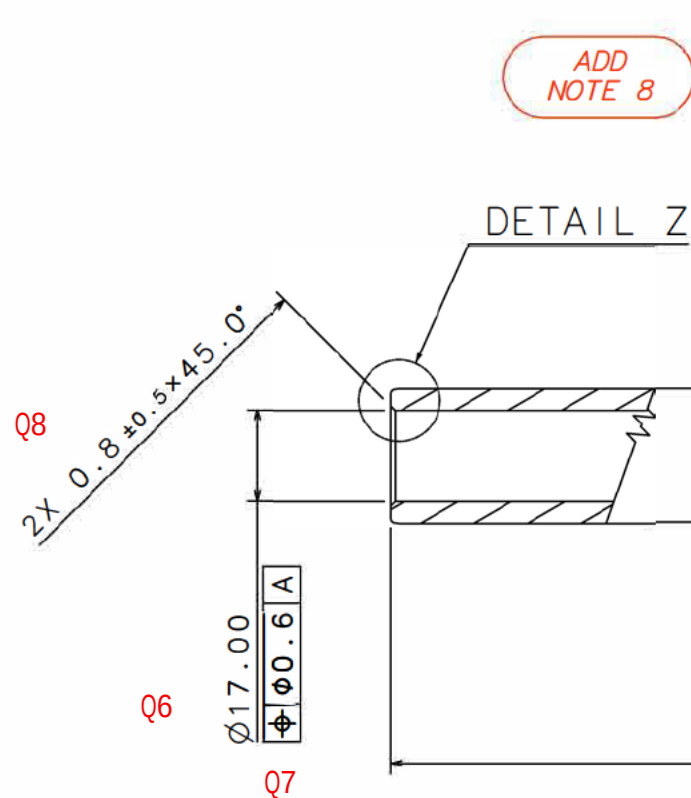




DETAIL Z
SCALE: 6:1



DETAIL Z

Q17 6. (QC): DENOTES A CRITICAL FEATURE, WHICH REQUIRES CAPABILITY OF CPK ≥ 1.33 . MUST BE A PART OF A PPAP CONTROL PLAN THAT DESCRIBES GAUGING USED (VARIABLE), SAMPLE SIZE AND CONTROL METHOD (LIKE SPC CONTROL CHARTING OR PRE-CONTROL) AND REACTION PLANS TO PROCESS TRENDS.

Q18 7. AREA SPECIFIED FOR IDENTIFICATION OF SUPPLIER. THE FORM OF THE IDENTIFICATION NEEDS TO BE APPROVED BY ENGINEERING.

Q19 8. RUST PROHIBITOR MUST BE APPROVED BY AND ALSO MEET ES100118.

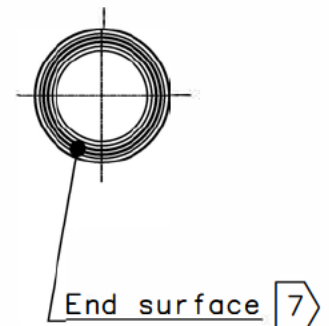
NOTES:

- Q12 1. ALL MATERIALS MUST COMPLY WITH ES100118
- Q13 2. CHROMIUM PLATE RAIL ONLY AFTER GRINDING PER ES934, 0.005–0.015 mm (0.00020"–0.00059") PER ASTM B177 DO NOT APPLY FROM RAIL ENDS OVER DIMENSION NOTED.
3. THIS DRAWING IS BASED ON ONE OR MORE REFERENCE 3D MODELS WHICH DEFINE ANY UNDIMENSIONED FEATURE. REFER TO THE PLM SYSTEM TO IDENTIFY ASSOCIATED 3D MODELS.
- Q14 4. RAIL MATERIAL: SAE 1060 STEEL
ALT. MATERIAL: JIS G4051 S50C
JIS G40S1 S45C
- Q15 4. 轨道材料: SAE 1060 钢材
替代材料: JIS G4051 S50C 热处理: 采用电磁淬火和回火处理, 按照 PS1000 标准进行, 温度设定为 650-750 HV (HRC58-62)。渗透层深度: 0.5-1.2mm
- Q16 5. ALTERNATE MATERIAL AND HEAT TREATMENT – 1ST OPTION
SAE 4130 STEEL
HEAT TREATMENT: CARBURIZE AND TEMPER PER PS2000 TO 650–750 HV (HRC 58–62) 深度: 0.5-1.2mm
ALTERNATE MATERIAL AND HEAT TREATMENT – 2ND OPTION
GCr15 PER GB/T 18254 / SUJ2 PER JIS G4805
HEAT TREATMENT: HARDEN AND TEMPER PER PS1000, HRC 58–62
5. 替代材料及热处理 - 第一选择
SAE 4130 钢材
热处理: 采用 PS2000 腐蚀剂进行碳化处理, 然后进行适度回火, 温度设定为 650-750HV (硬度为 HRC58-62)
- 替代材料及热处理 - 第二种选择
GCr15 按照国标 GB/T 18254 标准; SUJ2 按照日本标准 JIS G4805 标准。
热处理: 按照 PS1000 标准进行淬火和回火, 硬度达到 HRC 58 - 62

6. QC: 关键特性, 过程能力指数 (CPK ≥ 1.33). 必须包含在控制计划中, 该计划需描述所使用的测量方法 (变量)、样本大小以及控制方法 (如 SPC 控制图或预先控制) 以及处理的应对方案。

7. 指定的供应商识别区域。识别形式需经工程部门批准。

8. 防锈剂必须获得批准, 并符合 ES100118 标准。



华鋈
2025.11.12
技术部

GENERATED FROM: 3D	THIRD ANGLE PROJECTION 	TOL UNLESS SPECIFIED 0 & 1 PLC DEC: ± 0.3 2 PLC DEC: ± 0.10 ANGLES: $\pm 1.0^\circ$	DOC NO: N104494-C2D1
ALL DIMENSIONS mm		SIZE: A2 REF SCALE: 1:1	TITLE: RAIL, HARD
SHEET: 1 OF 1		REVISION: *** CHANGE: CN0343256	VER/ITER: ***
FOR PART DATA REFER TO PART DETAILS REPORT			***