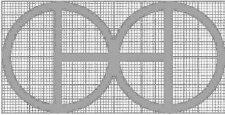


TECHNICAL NOTES

NOTES	CONTENT
GENERAL NOTES	
Metal structure treatment	Iron structures should be painted to prevent rust and improve equipment life. - Remove loose rust with a wire brush, sandpaper or chemical rust remover. - If applicable, sand areas where paint is chipping until surface is smooth. - Remove dust or oil with a degreaser or denatured alcohol. - Prime surface to protect against rust and corrosion
Metal forging process	- Hot: The process is carried out in three phases: - Heating of the metal to the forging temperature. - Metal deformation (for steel the forging temperature is between 1100°C and 1250°C). - Cooling of the piece to room temperature. - Cold: the shaping of the piece is carried out at room temperature. - In Hot: The process is carried out in three phases: Heating of the metal to the forging temperature. Metal deformation (for steel the forging temperature is between 1100°C and 1250°C). Cooling of the piece to room temperature. - In semi-hot: It is another less common option, the deformation takes place at a temperature below the recrystallization temperature of the metal. The characteristics of this type of forging are very similar to those of cold forging, but as the material is hotter, it allows forging that is not possible with cold material (The semi-hot forging temperature for steel is between 650°C and 900 ° C)."
Parts to buy	- Toggle Bolt (1/8") diameter countersink head iron rivet (1/16") sheet steel (3/8") dia x 70mm long. steel. - Hex nut Ø10mm AS 1112 METRIC M10 steel. - Hex head bolt Ø10mm AS 1110 -hex bolt metric M10 steel. - T coupling 1" Dia. JIS B2301 TEE- CLASS I 1 steel A53. - Reducer coupling 1 1/4" to 1" JIS B 2310 reducing socket -class I 1-1/4" X 1" steel A53. - Reducer coupling 1 1/2" to 1" JIS B 2310 reducing socket -class I 1-1/2" X 1" steel A53. - socket countersunk and button head screws - Metric series M10 X30.steel.
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PROJECT vit_wde_well-drilling-equipment	CREATED BY L. Ruda	APPROVED BY A. Morillo	DATE 22/06/2021	VERSION 1.0
PART NAME Technical notes	FILE NAME vit_wde_well-drilling-equipment			POS C1
DEVELOPED BY Vita - Volunteers in Technical Assistance, USA	REDESIGNED BY  OHO e.V.	DOC. TYPE Technical notes	MATERIAL	QUANTITY
		LICENCE CC-BY-SA 4.0	SCALE	SHEET 5 /19