



PT ETI FIRE SYSTEMS
Jl Magelang – Kopeng, KM 11
Tegalrejo, Magelang 56192
Central Java - Indonesia.

TECHNICAL BULLETIN
ISSUED : 27 Feb 2006
DOCUMENT : TB 002
MAIN TEE

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PARTS NOZBKTA NOZBKTA

COMMENT

The approved foam delivery system for the ETI fire system is a simple set of hydraulic lines in ½” (13mm) hydraulic hose which is also sometimes supplemented with ½” (12.7mm) O.D. stainless steel tube. Clamping is important as nozzle assemblies when positioned, must remain correctly aimed at the intended targets throughout their working life. Engine vibration is constantly present.

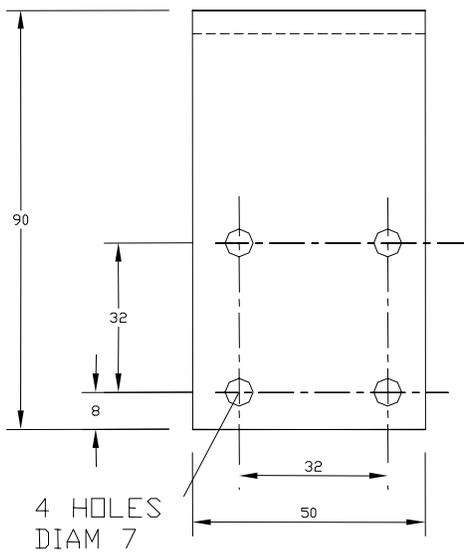
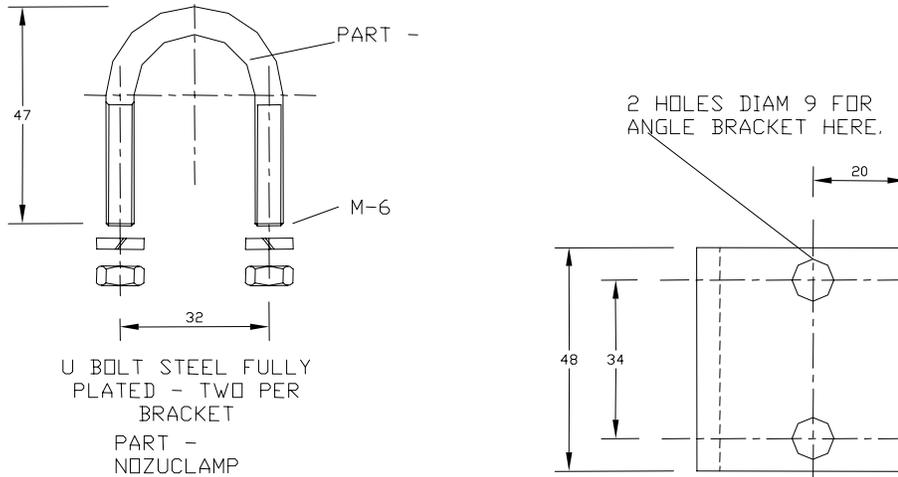
Currently, hydraulic clamps are approved that are of the two block type that clamp on to a weld on base. Stauff brand are currently approved. If this type of clamp arrangement is used carefully a robust installation is achieved that is satisfactory.

However, some clients feel that a different type of clamping is needed. They prefer a “U-bolt” type clamp that positively clamps the assembly to a solid weld on plate. Some competitors also use this and we must be able to provide a similar clamp system for clients who want this type. ETI has released such a clamp system to satisfy customers with this preference. It effectively replaces the two bolt type clamp and therefore should not add significant cost or perhaps even reduce it.. The bracket has been produced in an angle type and a straight type.

Please refer to attached drawings and photos for details. These parts are now included in the price list and are available for order.



RevNo	Revision note	Date	Signature	Checked
A	PRODUCTION APPROVED RELEASE	16 FEB 06	LW	HAKIM

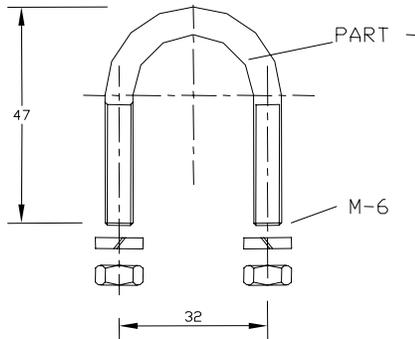


COMPLETE ASSEMBLY
 PART NOZBKTA

Itemref	Quantity	Title/Name, designation, material, dimension etc	Article No./Reference		
Designed by Leigh Waldon	Details by	Approved by - date	File name	Date 7TH DEC 2005	Scale
ETI FIRE SYSTEMS Jl Magelang – Kopeng, Tegalrejo Magelang 56192 Central Java Indonesia Ph 62 293 550 7133			ETI FIRE SUPPRESSION SYSTEM Nozzle Bracket Angle		
			Edition Nov	Sheet 1 OF 2	

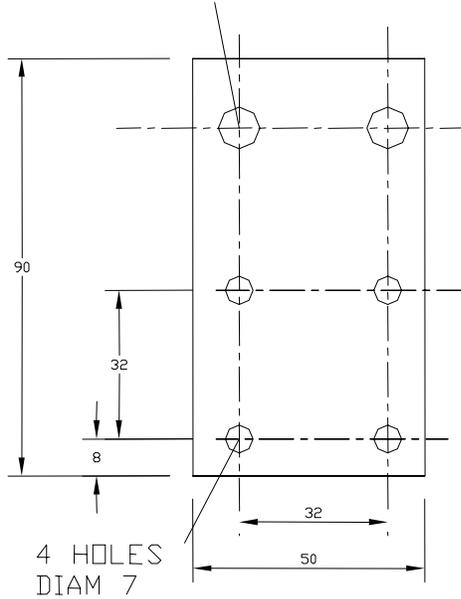


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U BOLT STEEL FULLY
 PLATED - TWO PER
 BRACKET
 PART -
 NOZUCLAMP

2 HOLES DIAM 9.



SIDE ELEVATION ANGLE
 BRACKET 6MM STEEL PLATE
 - PAINT BLACK

COMPLETE ASSEMBLY
 PART NOZBKTS A

Itemref	Quantity	Title/Name, designation, material, dimension etc	Article No./Reference
Designed by Leigh Waldon	Details by	Approved by - date	File name
ETI FIRE SYSTEMS Jl Magelang - Kopeng, Tegalrejo Magelang 56192 Central Java Indonesia Ph 62 293 550 7133		ETI FIRE SUPPRESSION SYSTEM	
		Nozzle Bracket Straight	Edition Nov
			Sheet 2 OF 2



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Photograph shows both brackets clamped to fittings

APPROVED: BAMBANG ISTI YUDONO