



DWTT Series Drop Weight Tear Impact Testing Machine

Product description:

1. Introduction The testing machine is mainly used for drop weight tear test of pipeline and in thick steel ferritic steel, namely DWTT test. The test machine integrating mechanical, electrical, automat



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PRODUCT DETAILS PRODUCT VIDEO

1. Introduction

The testing machine is mainly used for drop weight tear test of pipeline and in thick steel ferritic steel, namely DWTT test. The test machine integrating mechanical, electrical, automatic control technology to one, and to achieve fully automated process of feeding, lifting hammer, impact, fracture specimen collection, grab the hammer. In addition, this test machine has multi-channel protection measures, greatly improve the safety of operating personnel and equipment use. It is commonly used test equipment by the pipeline manufacturer, large steel mills, Iron and Steel Institute and other enterprises and research institutes.

2. Test standard

GB/T 8363-2007 "ferritic steel drop weight tear test method"
 ASTM E436-03 "Standard Test Method for Drop-Weight Tear Tests of Ferritic Steels"
 API RP*5L3-96 "Conducting Drop-Weight Tear Tests on Line Pipe"

3. Technical parameter

Model	DWTT-20000/30000	DWTT-40000	DWTT-50000	
Max impact energy(J)	20000/30000	40000	50000	
Min impact energy(J)	8000	10000	15000	
Main hammer body quality(Kg)	630	630	800	1180
main hammer body quality error	±1%			
Weight quality(Kg)	/	30kg	30kg	30kg
Weight number	/	13	22	26
Weight quality error				
Total hammer body quality (Kg)	630	1020	1460	1960
Impact height (mm)	1275 ~ 2800	1275 ~ 2600	1275 ~ 2600	
Impact speed (m/s)	5 ~ 7.67	5 ~ 7.14	5 ~ 7.41	
Height measure resolution (mm)	0.1			
Height measure error	≤±5			
Hammer blade hardness	HRC58 ~ 62			
Hammer blade radius of curvature (mm)	R25±0.1			
Bearing hardness	HRC58 ~ 62			
Support radius of curvature(mm)	R15±0.1、R20±0.1			
Hammer blade center and bearing center deviation(mm)	≤±1.5			
span of sampel supports(mm)	254±1.5			
Sample specifications(mm)	(305±5) × (76.2±1.5) × (3 ~ 40)			



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