



DWTT SERIES (20000-100000 J) Drop Weight Impact Testing Machine

Application

DWTT Series Drop Weight Impact Testing Machine is suitable for drop weight tear test of various kinds of ferrites, especially for the test of DWTT to pipeline steel as ASTM-E 436, API-RP 5L3, ASTM-E 208 and DIN EN10274. Equipped with different weights and anvils, it can do other types of impact tests according to customers' special request.

Features

- Impact energy is adjusted by the lifting height and the numbers of the weights.
- The buffer is equipped to absorb the residual energy after breaking the specimen to protect the weight and anvil from destroying. Also install the safe outfit, such as safety net, safe pin for maintenance and hanger locking.
- Equipped with the specimen-carrying outfit, anti-falling of outfit for the specimen, centering outfit to guarantee quick, accurate and reliable tests.



Specifications

Model	DWTT-20000	DWTT-30000	DWTT-40000	DWTT-50000	DWTT-80000	DWTT-100000
Max. energy(J)	20000	30000	40000	50000	80000	100000
Max. Lifting height (mm)	3000	2800	2500	2000	3000	3000
Max.impact velocity(m/s)	7.6	7.4	7	7	7.5	7.5
Curvature radius of weight(mm)	R25	R25	$R25.4 \pm 2.5$	R25	R25	R25
Curvature radius of anvil(mm)	R25	R25	$R14.3 \pm 1.59$	R15.5	R15	R15.5
Hardness of weight and anvil	$\geq \text{HRC}58-65$					
Curvature radius of anvil(mm)	R25	R25	$R14.3 \pm 1.59$	R15.5	R15	R15.5
Distance between supports(mm)	254					
Distance between supports(mm)	$\leq \pm$					
Indicating deviation of lifting height(mm)	$\leq \pm$					
Height of the load frame(mm)	5500	5500	5700	5700	6800	7000
span of sampel supports(mm)	254 ± 1.5					
Sample specifications(mm)	$(305 \pm 5) \times (76.2 \pm 1.5) \times (3 \sim 40)$					