

DEVEL ATTRITION TESTER

BE 75

The Devel Attrition Tester (also commonly spelled as Deval Attrition Tester) is a laboratory testing apparatus used in civil engineering and materials science to evaluate the abrasion resistance and durability of coarse aggregates, such as stones or gravel used in road construction. It simulates the wear that aggregates experience under traffic loads by subjecting them to mechanical grinding in a rotating cylinder. This test helps determine the aggregate's suitability for applications like pavements, where resistance to breakdown is crucial.

FOLLOWING STANDARD

ASTM D2-33 & IS 2386 (PART IV), BS 812

KEY SPECIFICATIONS (BASED ON COMMON MODELS)

COMPONENT	DETAILS
Cylinder Dimensions	Internal diameter 200 mm Length 200 mm & fitted to 30° angle to the horizontal.
Rotation Speed	30 rpm (adjustable in some models)
Power Supply	220V AC, single phase



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