













		DOM	06			
		BUM	MG 			
		Application guideline	s - vibrato	ry rollers		
applic	cation	roller	static linear pressure kg/cm	amplitude mm	frequency Hz	rolling speed km/h
earthworks dams	rocks		<u>≥</u> 30	<u>≥</u> 1,5	28 - 35	1 - 2,5
granular bases subbases	gravel gravel-sand sand		≥10	≥ 0,4	28 - 60	2 - 4
asphalt base course asphalt wearing course	a A		10 - 30	0,35 - 0,9 ≤ 0,5	30 - 60 40 - 60	2 - 4 2 - 6 BAO10-22/04

















Standard Proctor Test

Table 4.2 Specifications for standard Proctor test (Based on ASTM Test Designation 698)

Item	Method A	Method B	Method C
Diameter of mold	101.6 mm	101.6 mm	152.4 mm
Volume of mold	943.3 cm ³	943.3 cm ³	2124 cm ³
Weight of hammer	24.4 N	24.4 N	24.4 N
Height of hammer drop	304.8 mm	304.8 mm	304.8 mm
Number of hammer blows per layer of soil	25	25	56
Number of layers of compaction	3	3	3
Energy of compaction	591.3 kN-m/m3	591.3 kN-m/m ³	591.3 kN-m/m ³
Soil to be used	Portion passing No. 4 (4.57 mm) sieve. May be used if 20% <i>or less</i> by weight of material is retained on No. 4 sieve.	Portion passing 9.5-mm sieve. May be used if soil retained on No. 4 sieve is more than 20%, and 20% or less by weight is retained on 9.5-mm sieve.	Portion passing 19-mm sieve. May be used if more than 20% by weight of mate- rial is retained on 9.5-mm sieve, and less than 30% by weight is retained

	unica i foctor test (Dasca o	on ASTM Test Designation	1557)
Item	Method A	Method B	Method C
Diameter of mold Jolume of mold	101.6 mm 943.3 cm ³	101.6 mm 943.3 cm ³	152.4 mm 2124 cm ³
Weight of hammer	44.5 N	44.5 N	44.5 N
leight of hammer drop	457.2 mm	457.2 mm	457.2 mm
Number of hammer blows per layer of soil	25	25	56
Number of layers of compaction	5	5	5
Energy of compaction	2696 kN-m/m ³	2696 kN-m/m ³	2696 kN-m/m ³
oil to be used	Portion passing No. 4 (4.57 mm) sieve. May be used if 20% <i>or less</i> by weight of material is retained on No. 4 sieve.	Portion passing 9.5-mm sieve. May be used if soil retained on No. 4 sieve <i>is more</i> than 20%, and 20% <i>or</i> <i>less</i> by weight is retained on 9.5-mm sieve.	Portion passing 19-mm sieve. May be used if <i>more than</i> 20% by weight of mate- rial is retained on 9.5-mm sieve, and <i>less than</i> 30% by weight is retained on 19-mm sieve.







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	1 .	5y 101 tests shown
1 Figure 4.6		
	Number of	Commention on over
Jurve number	iv reamuni	Compaction energy
in Figure 4.6	hlows/laver	(kN-m /m ³)
in Figure 4.6	blows/layer	(kN-m /m³)
in Figure 4.6	blows/layer	(kN-m /m³) 473.0
in Figure 4.6	blows/layer 20 25	(kN-m /m³) 473.0 591.3
in Figure 4.6	20 25 30	(kN-m/m ³) 473.0 591.3 709.6









Soil Compaction Measurement





