

PERFORMANCE CATEGORIES Department of Transport Specification for Highway Works

TYPE OF COMPACTION PLANT	CATEGORY (Mass per meter width of roll)	BOMAG MODEL	STATIC LINEAR PRESSURE OF BOMAG MODEL (kg/m)
Smooth wheeled roller or vibratory roller WITHOUT vibration	Over 2100kg up to 2700kg	BW141AD-4	2500
		BW141AD-5	2300
		BW151AD-5	2260
		BW154AD-5	2470
		BW151AD-4	2350
		BW154AP-4	2366
		BW161AD	2710
	(Dead weight only →)	BW177BVC	2520
		BW197DH-5	2252
		BW177D-4	2370
		BW177DH-4	2430
		BW177D-5	2372
		BW177DH-5	2400
	Over 2700kg up to 5400kg	BW144AD-4	2900
		BW154AD-4	2700
		BW161AD-4	2865
		BW161AD-5	2976
	(Dead weight only →)	BW161ADO-5	2857
		BW174AP4i	2738
		BW211D-4	2950
		BW211D4i	2995
		BW213D-4	3390
		BW213D-5	3520
		BW213DH-4/4i	3474
		BW213DH-5	3550
		BW214D-4	4040

		BW214D5	4060
		BW214DH4i	4230
		BW216D-4	4880
		BW216D-5	5070
		BW216DH4i	5120
		BW216DH5	5120
Towed Roller		BW6	3460
DEADWEIGHT Tamping (Padfoot) roller	Mass per meter width of roll: Over 4000kg up to 6000kg & Over 6000kg	BW216PDH-4i	5120
		BW216PD5	5590
		BW216PDH5	5610
		BW219PDH-4/4i	6060
		BW219PD5	6270
		BW219PDH5	6270
PNEUMATIC Tyred Roller. Extra information = Operators book	Mass per meter width of roll: Over 2000kg up to 2500kg Over 2500kg up to 4000kg	BW24RH	3000
		BW27RH4i	3340
VIBRATORY Tamping (Padfoot) roller	Mass per meter width of a vibrating roll: Over 700kg up to 1300kg	BMP851	910
		BMP8500	932
	Over 1800kg up to 2300kg	BW145PDH-5	1942
		BW145PDH-4	2075
	Over 2300kg up to 2900kg	BW177PDH-5	2550
		BW177PDH-4	2532
	Over 2900kg up to 3600kg	BW179PDH-4	3220
		BW211PD-4i	3455
		BW213PDH4/4i	3568
		BW213PDH-5	4070
	Over 3600kg up to 4300kg	BW6S	3990
	Over 4300kg up to 5000kg	BW214PDH4i	4413
	Over 5000kg	BW216PDH-4i	5305
		BW219PDH-4/4i	6060
		BW216PDH-5	5610

		BW219PD-5	6270	
		BW226PDH-5	8360	
VIBRATORY Roller (Two drums half the number of passes)	Mass per meter width of a vibrating roll: 450kg up to 700kg	Over		
		BW55e	269	
		BW71e-2	700	
			BW65H	559
			BW75H	680
		Over 700kg up to 1300kg	BW80AD-5	968
			BW80AD-2	920
			BW80ADH-2	1010
			BW90AD-2	840
			BW90AD-5	888
			BW100ADM-2	790
			BW100ADM-5	825
			BW100AD-4	1180
			BW100AD-5	1250
			BW120AD-5	1125
			BW120AD-4	1080
		Over 1300kg up to 1800kg	BW135AD-5	1500
			BW1358AD-5	1557
			BW135	1365
			BW138	1526
			BW124DH-3	1333
			BW145D-5	1746
			BW145PDH -5	1767
		Over 1800kg up to 2300kg	BW141AD-5	2300
			BW151AD-5	2261
			BW197DH-5	2250
		Over 2300kg up to 2900kg	BW177D-5	2373
		BW177DH-5	2402	
		BW177D-4	2370	

		BW177DH-4	2430
		BW141AD-4	2500
		BW151AD-4	2350
		BW154AD-5	2470
		BW161ADCV-5	2440
		BW154AP-4	2366
		BW161AD-4	2865
		BW174AP 4i	2738
	Over 2900kg up to 3600kg	BW161AD-5	2976
		BW211D-4i	2995
		BW213DH-4/4i	3380
		BW213D-5	3520
		BW213DH-5	3550
		BW6	3460
	Over 3600kg up to 4300kg	BW214DH-4i	4225
		BW214D5	4060
	Over 4300kg up to 5000kg	BW216D-4	4880
	Over 5000kg	BW216DH-4i	5117
		BW219DH-4/4i	6060
		BW226DH-4/4i	8000
		BW216D-5	5070
		BW216DH-5	5120
		BW219D-5	6010
		BW226DH-5	8010
VIBRATING PLATES	Mass per m ² of base plate Below 880kg	BVP10/36	623
		BP10/35	501
		BP12/40	486
		BP20/50D	500
		BPR25/50D	574
		BVP18/45	577

		BP18/45D-2	713
		BP18/45-2	577
		BPR25/45-3	790
	Mass per m ² of base plate Over 880kg up to 1100kg	BPR25/40D	1086
		BPR35/60D	1000
	Mass per m ² of base plate Over 1400kg up to 1800kg	BPR35/42D	1449
		BPR45/55D	1614
		BPR40/45D	1556
		BPR50/52D	1829
	Over 2100kg	BPR75/60D	2184
		BPH80/65s	2305
VIBROTAMPER	Mass: Over 50kg up to 65kg	BT58	
		BT50	
		BT55	
		BT60	
		BT60/4	
	Mass: Over 65kg up to 75kg	BT68	
		BT68D	
		BT65	
		BT75	
		BT65/4	