

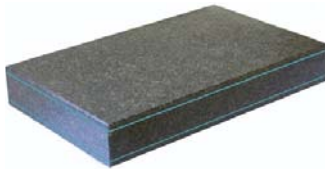
DHARLA Low cost granite surface plates - DH/DP

Art. DH				
Code	Size mm	DIN Grade	∇ μm	Net KG
500	500X315X70	DIN 876/0	6.00	32
630	630X400X80	DIN 876/0	6.52	58
800	800X500X100	DIN 876/0	7.20	114
1000	1000X630X140	DIN 876/0	8.00	252
1200	1200X800X160	DIN 876/0	8.80	438
1600	1600X1000X180	DIN 876/0	10.40	821

Art. DP				
Code	Size mm	DIN Grade	∇ μm	Net KG
500	500X315X70	DIN 876/00	3.00	32
630	630X400X80	DIN 876/00	3.26	58
800	800X500X100	DIN 876/00	3.60	114
1000	1000X630X140	DIN 876/00	4.00	252
1200	1200X800X160	DIN 876/00	4.40	438
1600	1600X1000X180	DIN 876/00	5.20	821



Lightened precision granite surface plates



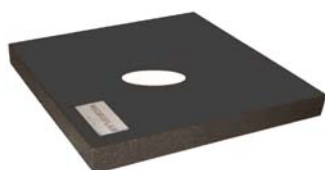
Art. PA	Size (mm) L x W x T	Class 1	∇ μm	Class 0	∇ μm	Class 00	∇ μm	Class 000	∇ μm	Weight KG
	2000 x 1000 x 240 / 260	0100	19	0101	9.5	0102	4.7	0700	3.3	596 / 613
	2000 x 1500 x 260 / 290	0103	20	0104	10	0105	5	0701	3.5	877 / 910
	2500 x 1000 x 280 / 320	0106	22	0107	11	0108	5.5	0702	3.7	788 / 832
	2500 x 1500 x 310 / 340	0109	23	0110	11.5	0111	5.8	0703	4.0	1165 / 1205
	3000 x 1000 x 330 / 390	0112	24	0113	12	0114	6	0704	4.2	988 / 1061
	3000 x 1500 x 350 / 390	0115	25	0116	12.5	0117	6.4	0705	4.4	1423 / 1482
	3000 x 2000 x 380 / 420	0118	27	0119	13.5	0120	6.8	0706	4.7	2557 / 2678
	3500 x 1000 x 380 / 430	0121	27	0122	13.5	0123	6.8	0707	4.7	1625 / 1737
	3500 x 1500 x 400 / 450	0124	28	0125	14	0126	7.1	0708	4.9	2335 / 2475
	3500 x 2000 x 420 / 470	0127	30	0128	15	0129	7.4	0709	5.1	3238 / 3432
	4000 x 1500 x 450 / 500	0130	31	0131	15.5	0132	7.7	0710	5.3	3034 / 3183
	4000 x 2000 x 470 / 530	0133	32	0134	16	0135	8	0711	5.5	4561 / 4810

Granite set square (90°)

Art. SQ	Code	Size mm	Holes no.	Holes ø (mm)	Use	∇ μm	⊥ μm	Weight KG
	0196	300X200X40	1	80	Workshop	6.4	6.0	5.6
	0197	400X250X50	2	80	Workshop	7.2	8.0	10.4
	0198	500X315X60	2	100	Workshop	8.0	10.0	20
	0199	630X400X60	3	125(2x) + 100(1x)	Workshop	9.0	12.6	27
	2000	200x150x30	-	-	Laboratory	2.4	1.0	2.2
	2001	300x200x40	1	80	Laboratory	2.6	1.5	5.2
	2002	400x250x50	2	80	Laboratory	2.8	2.0	11
	2003	500x315x60	2	100	Laboratory	3.0	2.5	20
	2004	630x400x60	3	125(2x) + 100(1x)	Laboratory	3.2	3.2	27
	2005	800x500x80	3	150	Laboratory	3.6	4.0	64
	2006	1000x630x100	5	150	Laboratory	4.0	5.0	122
	2007	1200x800x140	6	150	Laboratory	4.4	6.0	210
	2008	1500x1000x160	9	150	Laboratory	5.0	7.2	498



Granite parallelepiped



Art. PL	Code	Size mm	Holes no.	Holes ø (mm)	∇ μm	⊥ μm	Weight KG
	0243	500x250x50	3	100	3.0	2.5	15
	0244	750x350x60	3	150	3.5	3.8	36
	0245	250x250x40	1	100	2.5	1.2	7
	0246	350x350x50	1	100	2.7	1.8	14
	0247	500x500x50	1	150	3.0	2.5	34
	0248	750x750x60	1	250	3.5	3.8	88
	0249	1000x1000x80	5	250(1x) + 100(4x)	4.0	5.0	214
	0250	1000x500x80	3	150	4.0	5.0	70

Granite linear rules



Art. RL							
SIZE in mm	Class 1	∠ Tol.	Class 0	∠ Tol.	Class 00	∠ Tol.	Net KG
300X30X50	0150	6.4	0151	3.2	0152	2.6	1.3
400X40X60	0153	7.2	0154	3.6	0155	2.8	2.6
500X50X80	0156	8.0	0157	4.0	0158	3.0	5.6
630X50X80	0159	9.0	0160	4.4	0161	3.2	7.0
800X50X100	0162	10.5	0163	5.2	0164	3.6	10.5
1000X60X120	0165	12.0	0166	6	0167	4.0	20
1400X60X150	0168	15.2	0169	7.6	0170	4.8	33
1600X80X180	0171	16.8	0172	8.4	0173	5.2	60
2000X80X200	0174	20.0	0175	10.0	0176	6.0	83

Granite plane parallel rules



Art. RP							
SIZE in mm	Class 1	∠ // Tol.	Class 0	∠ // Tol.	Class 00	∠ // Tol.	Net KG
500X50X80	0180	8.0	0181	4.0	0182	3.0	5
750X50X100	0183	10.0	0184	5.0	0185	3.5	8.7
1000X60X140	0186	12.0	0187	6.0	0188	4.0	19.5
1500X80X180	0189	16.0	0190	8.0	0191	5.0	47
2000X100X220	0192	20.0	0193	10.0	0194	6.0	95

Normacheck // Granite column for squareness testing

Art. PT			
Code	0330	0331	0332
Height	612	1092	1632
Width	250	345	450
Thickness	100	100	100
Run	500	1000	1500
Angle error	2"	2"	2"
Straightness	0.005	0.010	0.015
Repeatability	0.002	0.002	0.002
KG	27	64	120



PERTEST // Granite column for squareness testing

Art. PT			
Code	0333	0334	0335
Height	743	1320	1380
Width	315	350	450
Thickness	165	165	165
Run	500	1000	1500
Angle error	1"	1"	1"
Straightness	0.002	0.004	0.005
Repeatability	0.001	0.001	0.001
Air power (Bar)	4.5	4.5	4.5
KG	45	100	180



MICROPLAN
Italy Made

Rotating table // Rotary stage



Art. TR			
Disc Ø (mm)	300	400	500
Net weight (kg)	36	62	106
Pressure (Bar)	4.5	4.5	4.5
Rotary axis precision (µm)	1	1	1
Horizontal disc precision (µm)	2.0	2.5	3.0
Max. load (kg)	60	100	170

Electronic level with analogue display - LE050/ Analogue and digital electronic level - LE051



LE050



LE051

LE050 ELECTRONIC LEVEL MAIN FEATURES

Resolution:	A: 250 µm/m B: 50 µm/m C: 10 µm/m D: 5 µm/m E: 1 µm/m for division
Measure field:	A: 5000 µm/m B: 1000 µm/m C: 200 µm/m D: 100 µm/m E: 20 µm/m
Zero setting:	± 1500 µm/m
Materials:	Aluminum / Granite base / Wood handle
Reaction time:	3 sec typical
Linearity:	± 1%
Reference temperature:	20°C - 50% U.R.
Power:	Rechargeable batteries
Battery charger power:	220 V - 50 Hz
Autonomy:	10 hours continuous
Recharge time:	about 15 hours
Weight:	3.5 Kg
Overall dimensions:	220x50x250 mm
Interface:	RS-232 for PC connection

LE051 ELECTRONIC LEVEL MAIN FEATURES

Analogue Resolution:	A: 250 µm/m B: 50 µm/m C: 10 µm/m D: 5 µm/m E: 1 µm/m for division
Digital Resolution:	0.1 sec / 0.5 µrad / 0.0005 mm/m
Measure field:	A: 5000 µm/m B: 1000 µm/m C: 200 µm/m D: 100 µm/m E: 20 µm/m
Zero setting:	± 1500 µm/m
Materials:	Stabilized cast iron / Wood handle
Reaction time:	3 sec typical
Linearity:	± 1%
Squareness:	1"
Reference temperature:	20°C - 50% U.R.
Power:	Rechargeable batteries
Battery charger power:	110 / 220 VAC - 20 mA (USB port)
Autonomy:	10 hours continuous
Recharge time:	about 15 hours
Weight:	4.4 Kg
Overall dimensions:	220x220x50 mm
Interface:	RS-232 for PC connection