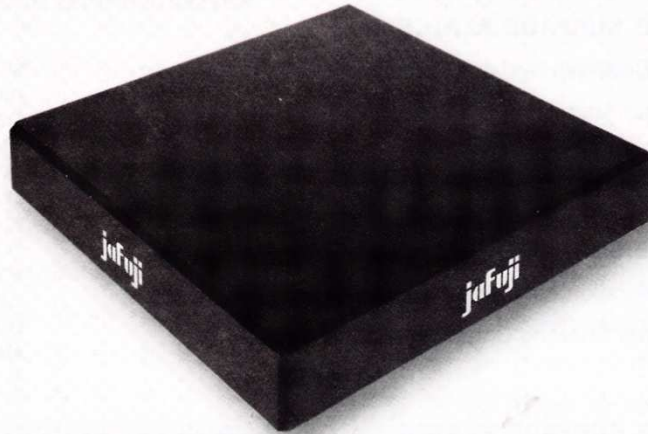




GRANITE SURFACE PLATES

QUALITY, RELIABILITY AND VALUE FOR MONEY



MATERIAL, HARDNESS

JAFUJI GRANITE SURFACE PLATES a crystalline rock, has a fine grained, non-porous texture. It is crystalline throughout and the composition is hard and compact. The average grain size measures less than 1 mm whereas the average grain size of the common grey or pink granite varies from 2 to 3 mm. The crystal grains of Ordinary granite vary in size and the spaces between the individual grains are soft and porous. Granite is a very homogenous material (density of texture 20% higher than that of ordinary grade) and has a constant hardness throughout (6-6.5 the moos-scale). Granite does not have the aforementioned soft in-between spaces and has therefore a much higher wear resistance plus a higher degree of flatness accuracy.

MATERIAL STRENGTH

JAFUJI GRANITE SURFACE PLATES has a material strength, which is three times greater than that of ordinary granite and it is super rigid. To obtain the same rigidity, a surface plate made of ordinary granite would require a 44% greater

TEXTURE,

thickness. These and other qualities make granite on ideal material for surface plates providing increased wear resistance and a much longer life span.

INSENSITIVE TO TEMPERATURE CHANGES

JAFUJI GRANITE SURFACE PLATES has a very low expansion coefficient (5×10^{-6} meter per degree), which makes it least responsive to temperature changes. Changing temperatures in shops, inspection rooms etc., which are virtually unavoidable since warm air rises and cold air remains below, affects ordinary granite plates much more than our surface plates. And they are therefore subject to warping which in turn jeopardizes flatness.

OTHER ADVANTAGES

100 corrosion-proof and acid resistant. Non-magnetic and electrically non-conductive - Fast and easy to clean.

No oiling required which is mandatory on cast iron surface plates - Surface with non-glaring satin finish.



GRANITE SURFACE PLATES

QUALITY, RELIABILITY AND VALUE FOR MONEY

- * **JAFUJI GRANITE SURFACE PLATES** are inspected through Electronic level and Computer provided with "Wyler Measuring & Processing System" of M/s. Wyler Switzerland, to ensure the accuracy.
- * **JAFUJI GRANITE SURFACE PLATES** are supplied with a calibration certificate traceable to National Standards Showing Graphic display of the flatness.
- * **JAFUJI GRANITE SURFACE PLATES** are polished on four sides including chamfering to get a better look.
- * **JAFUJI GRANITE SURFACE PLATES** are manufactured by High Precision lapping method providing 45° chamfering at edges & corners to avoid chip offs and cracks.

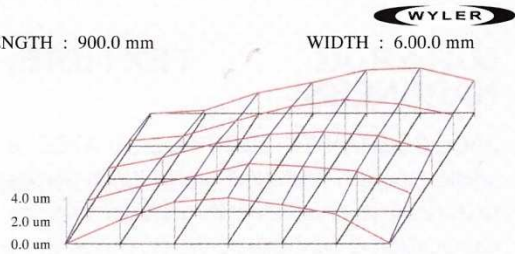
WYLER GEOMETRY MEASURING-SYSTEM

COMPANY :
 OBJECT : SURGACE PLATE
 GRANITE
 DRAWING NO. : SIZE:1000X630X140mm
 ORDER / IDENT NO. : S.NO. : 2513335
 DATE / INSPECTOR : 28.10.99
 AV. TEMP. BEFORE : 21 DEGREE C
 AV. TEMP. AFTER : 22 DEGREE C
 MISCELLANEOUS 1 : ELECTRONIC LEVEL
 WYLER SWISS MAKE
 MISCELLANEOUS 2 : CALIBRATED BY C.M.T.I
 FOR NATIONAL TRACE-
 ABILITY.
 FILE : A:\235.WYL

SURFACE GRID (WYLER) / PHILIPS / ISO 1101

LENGTH : 900.0 mm

WIDTH : 6.00.0 mm



MAXIMUM ERROR : 4.2 um

INDEX OF CORRECTION : 0.6 um

SIZES AVAILABLE

Length	Width	Thickness	Accuracy As Per 15 - 7327 - 1991 Grade '0'	Aprox. Weight in Kgs.
400 mm	400 mm	60 mm	4.5 um	30
630 mm	400 mm	80 mm	5.0 um	65
630 mm	630 mm	80 mm	5.0 um	100
1000 mm	630 mm	150 mm	6.0 um	295
1000 mm	1000 mm	150 mm	7.0 um	470
1600 mm	1000 mm	200 mm	8.0 um	1000
2000 mm	1000 mm	200 mm	9.5 um	1300

* We can supply MS Fabricated stand with leveling screws

