

1870.1871 : SURFACE COMPARATOR



Surface Comparator

Comparators allow the estimation of surface roughness by both touch and sight.

- Available in both Grit / Shot
- Metric units only

Surface Profile

The proper and effective preparation of a surface prior to coating is essential. Making sure that the correct roughness – or profile – has been generated is essential. If the profile is too low, the adhesion of the coating to the surface will be reduced. Too high and there is the danger that the profile peaks will remain uncoated – allowing rust spots to occur.

in accordance with : ASTM D 4417
Method A ISO 8503-1/ISO 8503-2

Section Profiles :

Grit 25, 60, 100, 150µm

Shot 25, 40, 70, 100µm

TECHNICAL DATA

Seg No	ISO 8503/1 Spec'n	Data from Microscope Method ISO 8503/3			Data from Stylus Method ISO 8503/4		
	µm Hy or Ry5	µm Hy	Actual Mean Deviation of 20 rdgs	Max Mean Deviation	µm Ry5	Actual Mean Deviation of 10 rdgs	Max Mean Deviation
MASTER COUPON - Shot							
1	23-28	26.15	21.8%	33%	24.9	9.07%	20%
2	35-45	35.65	16.1%	33%	39.06	8.16%	20%
3	60-80	63.2	14.92%	33%	75.19	8.0%	20%
4	85-115	96.45	17.03%	33%	98.28	11.62%	20%
MASTER COUPON - Grit							
1	23-28	24.95	20.76%	33%	26.46	11.45%	20%
2	50-70	64.3	13.14%	33%	62.7	7.91%	20%
3	85-115	103.95	17.8%	33%	90.8	7.09%	20%
4	130-170	153.1	16.63%	33%	147.71	11.42%	20%