

PRODUCT DATA SHEET - MASTER CYLINDER

- Master Cylinder (or) Cylindrical Square manufactured by GMT, are one of the most reliable 90° reference standards available in the industry today. Workpieces may be placed against the periphery and sighted for checking squareness / right angle by comparison method.
- Cylindrical Square are also used for checking the squareness of the vertical axis to the horizontal axis of numerically controlled machining centres.
- GMT Master Cylinder (or) cylindrical Square are made of high-quality alloy steel, heat treated for maximum stability, hard chrome plated for wear resistance and to prevent rusting. The periphery is ground between centres straight and round within the tolerance specified for each size, with an extremely fine micro finish.
- The ends are recessed, ground and lapped square to the axis within the specified tolerances as per Standards. A storage box is provided for easy handling and transportation.



GMT MASTER CYLINDER SPECIFICATIONS

Sl. No.	Size in mm	Product No	Accuracy in mm		
			Flatness of face (reference)	Perpendicularity Of cylinder w.r.t to end face	Straightness of cylinder surface
1.	Ø90x300	46.52.00.01	0.0015	0.0025	0.002
2.	Ø90x500	46.52.00.02	0.0025	0.004	0.002
3.	Ø140x600	46.52.00.03	0.003	0.0045	0.002
4.	Ø140x1000	46.52.00.04	0.004	0.007	0.0045

Note1: We also manufacture Solid master cylinder as per customer request.

Note2: Other sizes on request. Due to constant development, we reserve the right to depart from these specifications. Photos are typical and representative of the product range.

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