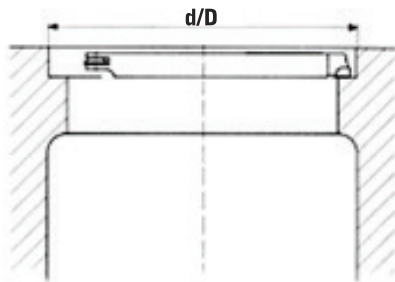


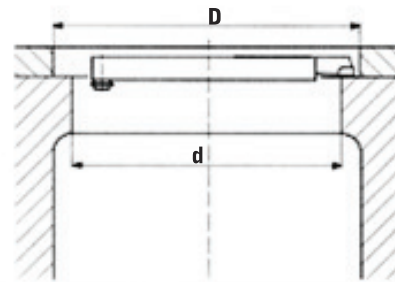
## Mira BB86 Counterbore Seat Refacing Unit Cutting Tools and Their Applications

Standard counterbore seat refacing tool



Part No.	Centering Diameter = d	Working Diameter = D	Remarks
MB85	73 - 88	67 - 88	
MB86	85 - 110	77 - 110	
MB87	97 - 132	87 - 132	
MB88	123 - 162	111 - 162	
MB89	158 - 196	146 - 196	
MB90*	192 - 228	178 - 228	

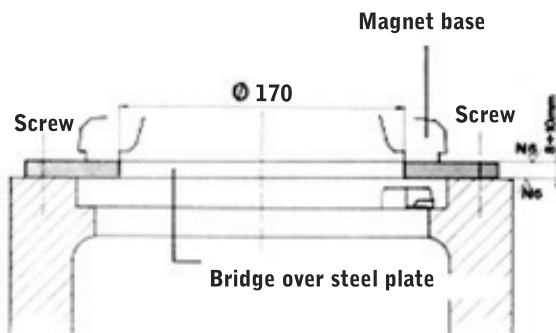
Turning tool for engines with intermediate plate or with interrupted counterbore wall



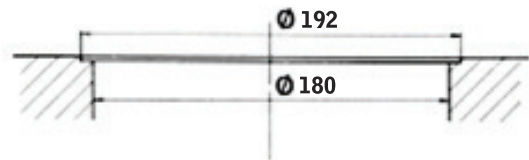
Part No.	Centering Diameter = d	Working Diameter = D	Remarks
MB136	105 - 135	105 - 135	
MB137 (ex 117)	130 - 165	130 - 180	CAT 3304, 3306, D343
MB138	160 - 195	160 - 210	CAT D379, D398, D393
MB139	190 - 225	190 - 240	CAT 3500 - 3508

### Procedure with a bolted on intermediate plate.

We are showing you hereafter a few possibilities of how you can work with a self made intermediate plate on counterbores which seem to be inaccessible. This plate must have the bores for the bolts for fastening the plate onto the sealing surface.



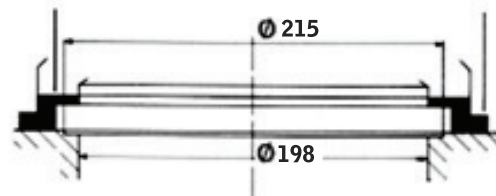
Intermediate plate in place for processing of a counterbore seat having a larger diameter than 170mm with the BB standard and a larger diameter than 198mm with the BB Giant unit.



Working dimensions when turning on Caterpillar engine blocks models D353, D379, D398, D399 with the BB Giant unit.

Set up area

Fastening onto the cylinder block



Bolted or clamped on intermediate ring for the BB Giant unit for working on Caterpillar engine blocks models 3500 to 3508.