



Custom Gaging Solutions

Gaging Parameters

GAGING SYSTEM:

- Air Gaging

OPERATION:

- Manual

NUMBER OF CHECKS:

- 6 per cylinder bore
- 2 per main journal
- 2 per cam bore journal

CLASSIFICATION:

- 3 mating bearing sizes for crank bore

SORTING:

- Accept/reject

FEATURES:

- Effortless entry to bores

CONTROL:

- Manual intervention

Cylinder Block Bores

Air gaging is a very effective means to determine the size, shape, and overall geometry of cylinder bores. Many manufacturers and remanufacturers call upon Edmunds Gages for their expertise, not only in the air gaging arena, but also for the ergonomics of applying new gaging. Shown at right is just one example of how Edmunds Gages engineers devised a simple, effortless means for an operator to manually introduce a six circuit air plug in to one of eight cylinder bores at this inspection station. After measuring four of the bores and recoding the data in a CAG^{QCM} gaging amplifier, the operator shifts the block on a pivoting stand to gain access to the remaining 4 bores of the block. Using a cable coiled tool balancer, the operator can easily lower the 45 lb. gage into the bore one handedly, and initiate the gaging with a built in pushbutton within the handle.



And not only can we capture the data of the cylinder bores, Edmunds provides manual gaging for the cam bores and crank bores with a similar effortless fashion.



With this plug, the user inserts the (2) circuit plug into the block to a scribed line of the first main bearing journal. Noting the measurements, he/she then slides the plug forward while the nylon guide engages in the first journal and the air plug itself rests in location of the second main journal. Recording the second journal measurements, he/she then presses the backstop push button to release the backstop to the next detent in the handle to position the air plug at the next journal, and so on. In all, each main bearing journal is measured for diameter in 90° axis for static size and roundness indications.

