

M/710 Barrel Dimensions

(Measured f/Chamber Casts during DAT Phase II by J. Carson)

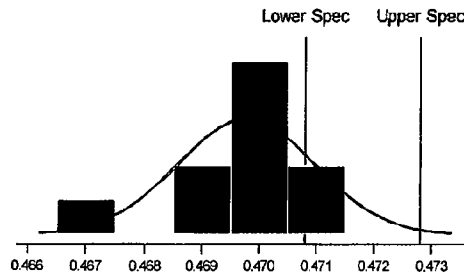
NOTE: .4708/.4728 Dim. was not measured from the Bolt Face, but from the corner of the "chamfer".

|        |        |       |        |        | Bore   | Groove | Twist   |
|--------|--------|-------|--------|--------|--------|--------|---------|
| .4728  | .4440  | 34.5d | .3424  | .3105  | .301   | .309   | 10.25   |
| .4708  | .4425  | Basic | .3404  | .3095  | .300   | .308   | 9.75    |
| 0.4694 | 0.4430 | 34.09 | 0.3435 | 0.3086 | 0.3015 | 0.3098 | 10.0000 |
| 0.4692 | 0.4440 | 34.67 | 0.3441 | 0.3103 | 0.3005 | 0.3089 | 9.9375  |
| 0.4704 | 0.4434 | 34.40 | 0.3446 | 0.3085 | 0.3005 | 0.3087 | 9.7500  |
| 0.4709 | 0.4442 | 34.33 | 0.3441 | 0.3101 | 0.3005 | 0.3088 | 9.8750  |
| 0.4695 | 0.4430 | 34.26 | 0.3424 | 0.3096 | 0.3005 | 0.3085 | 9.9375  |
| 0.4704 | 0.4432 | 34.50 | 0.3436 | 0.3096 | 0.3010 | 0.3088 | 9.8750  |
| 0.4668 | 0.4432 | 34.59 | 0.3436 | 0.3099 | 0.3005 | 0.3085 | 9.8750  |
| 0.4707 | 0.4448 | 34.59 | 0.3444 | 0.3100 | 0.3005 | 0.3088 | 9.6250  |
| 0.4701 | 0.4448 | 34.58 | 0.3445 | 0.3099 | 0.3000 | 0.3089 | 9.7500  |
| 0.4704 | 0.4447 | 34.53 | 0.3447 | 0.3108 | 0.3010 | 0.3099 | 9.8750  |

| Variable | N  | Mean    | Median  | TrMean  | StDev   | SEMean  |
|----------|----|---------|---------|---------|---------|---------|
| C1       | 10 | 0.46978 | 0.47025 | 0.47001 | 0.00119 | 0.00038 |
| C2       | 10 | 0.44383 | 0.44370 | 0.44381 | 0.00076 | 0.00024 |
| C3       | 10 | 34.454  | 34.515  | 34.472  | 0.181   | 0.057   |
| C4       | 10 | 0.34395 | 0.34410 | 0.34405 | 0.00070 | 0.00022 |
| C5       | 10 | 0.30973 | 0.30990 | 0.30983 | 0.00071 | 0.00023 |
| bore dia | 10 | 0.30065 | 0.30050 | 0.30062 | 0.00041 | 0.00013 |
| groove d | 10 | 0.30896 | 0.30880 | 0.30890 | 0.00049 | 0.00016 |
| twist l- | 10 | 9.8500  | 9.8750  | 9.8594  | 0.1110  | 0.0351  |

| Variable | Min     | Max     | Q1      | Q3      |
|----------|---------|---------|---------|---------|
| C1       | 0.46680 | 0.47090 | 0.46935 | 0.47048 |
| C2       | 0.44300 | 0.44480 | 0.44315 | 0.44473 |
| C3       | 34.090  | 34.620  | 34.313  | 34.590  |
| C4       | 0.34240 | 0.34470 | 0.34358 | 0.34453 |
| C5       | 0.30850 | 0.31080 | 0.30935 | 0.31015 |
| bore dia | 0.30000 | 0.30150 | 0.30050 | 0.30100 |
| groove d | 0.30850 | 0.30990 | 0.30865 | 0.30913 |
| twist l- | 9.6250  | 10.0000 | 9.7500  | 9.9375  |

M/710 Chamber Dimensions - .4708/.4728 Dim.



C1

|     |       |      |         |         |          |          |       |             |        |
|-----|-------|------|---------|---------|----------|----------|-------|-------------|--------|
| Pp  | 0.28  | Tsig |         | Mean    | 0.469780 | %USL Exp | 0.57  | PPM-USL Exp | 5658   |
| PPU | 0.84  | USL  | 0.4728  | Mean+3s | 0.473357 | Obs      | 0.00  | Obs         | 0      |
| PPL | -0.29 | LSL  | 0.4708  | Mean-3s | 0.466203 | %LSL Exp | 80.38 | PPM-LSL Exp | 803847 |
| PPk | -0.29 | k    | 2.0200  | s       | 0.001192 | Obs      | 90.00 | Obs         | 900000 |
| Cpm | *     | n    | 10.0000 |         |          |          |       |             |        |

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