

# Quindos Measuring Report



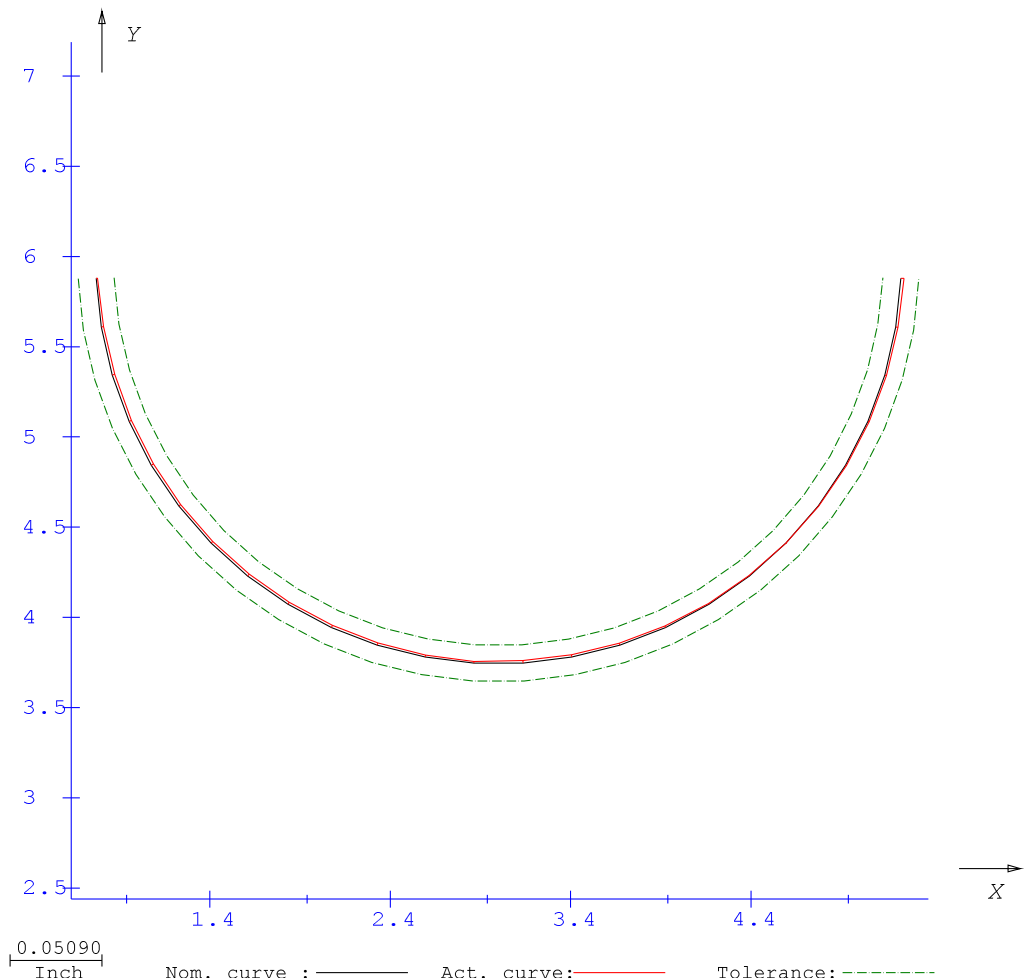
3D-Application Center

|                    |                  |                   |                         |
|--------------------|------------------|-------------------|-------------------------|
| Description        | TUBE SUPPORT     | Customer          | R. ATKINSON             |
| Drawing Number     | PF-391-210-93 R0 | Serial Number     | 001                     |
| Remarks            |                  | Article Number    |                         |
| Supplier           | MFD              | Delivery Date     |                         |
| Delivery Note      |                  | Delivery Volume   |                         |
| Lot Number         |                  | Lot Size          |                         |
| Test Schedule      |                  | Sample Size       |                         |
| Production Machine |                  | Production Tool   |                         |
| Production Date    |                  | Production Time   |                         |
| Order              | 24586-10         | Department        | MET. QUALITY INSPEC     |
| Inspector          | kcaban           | Inspection Date   | 03-APR-2009, 13:57:28   |
| Measuring Device   | PMM 12 10 6 #496 | Measuring Program | Quindos7 - V 7.1.9089-B |
| User Name          | kcaban           | WKP Name          | PF39121093              |

| Text                | Eval.   | Actual    | Nominal    | Up.To1. | Low.To1. | Act-Nom  | Graphic |
|---------------------|---------|-----------|------------|---------|----------|----------|---------|
| <b>DAT\$PLA_C</b>   |         |           | <b>PLA</b> |         |          |          |         |
|                     | FORM    | 0.00144   |            |         |          |          |         |
| <b>DAT\$PLA_B</b>   |         |           | <b>PLA</b> |         |          |          |         |
|                     | FORM    | 0.00017   |            |         |          |          |         |
| <b>DAT\$PLA_A</b>   |         |           | <b>PLA</b> |         |          |          |         |
|                     | FORM    | 0.00014   |            |         |          |          |         |
| <b>DIST_6P00</b>    |         |           | <b>PLA</b> |         |          |          |         |
|                     | X       | 6.00187   | 6.00000    | 0.02000 | -0.02000 | 0.00187  |         |
| <b>DIST_5P88</b>    |         |           | <b>PLA</b> |         |          |          |         |
|                     | Y       | 5.88180   | 5.88000    | 0.02000 | -0.02000 | 0.00180  |         |
| <b>DIST_5P88(1)</b> |         |           | <b>PLA</b> |         |          |          |         |
|                     | Y       | 5.88250   | 5.88000    | 0.02000 | -0.02000 | 0.00250  |         |
| <b>CHAM\$P12_45</b> |         |           | <b>PLA</b> |         |          |          |         |
|                     | PA_MXPY | -44.91079 | 45.00000   | 0.50000 | -0.50000 | -0.08922 |         |
| <b>CH_P12X45</b>    |         |           | <b>AXI</b> |         |          |          |         |
|                     | DX      | 0.12627   | 0.12000    | 0.02000 | -0.02000 | 0.00627  |         |
|                     | DY      | -0.12677  | 0.12000    | 0.02000 | -2.00000 | 0.00677  |         |
| <b>ANG_37</b>       |         |           | <b>PLA</b> |         |          |          |         |
|                     | PA_MYPX | 36.90049  | 37.00000   | 0.50000 | -0.50000 | -0.09951 |         |
| <b>CHAM_4P50</b>    |         |           | <b>AXI</b> |         |          |          |         |
|                     | DX      | 4.50312   | 4.50000    | 0.02000 | -0.02000 | 0.00312  |         |
|                     | DY      | 3.38094   | 3.38000    | 0.02000 | -0.02000 | 0.00094  |         |
| <b>DIA_P281(1)</b>  |         |           | <b>CYL</b> |         |          |          |         |
|                     | DM      | 0.28203   | 0.28100    | 0.00500 | -0.00500 | 0.00103  |         |
|                     | X       | 0.73294   | 0.73400    |         |          | -0.00106 |         |
|                     | Y       | 0.55058   | 0.55000    |         |          | 0.00058  |         |
| <b>POS_P281(1)</b>  |         |           | <b>AXI</b> |         |          |          |         |
|                     | POSITN  | 0.00393   | 0.00000    | 0.01400 | 0.00000  | 0.00393  |         |

| Text                      | Eval. | Actual | Nominal | Up.To1.    | Low.To1. | Act-Nom | Graphic     |
|---------------------------|-------|--------|---------|------------|----------|---------|-------------|
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| Date: 03-Apr-09, 13:57:31 |       |            | PF39121093 |         |          | Page 2 of 3 |         |
|---------------------------|-------|------------|------------|---------|----------|-------------|---------|
| Text                      | Eval. | Actual     | Nominal    | Up.To1. | Low.To1. | Act-Nom     | Graphic |
| <b>DIA_P281(2)</b>        |       | <b>CYL</b> |            |         |          |             |         |
| DM                        |       | 0.28197    | 0.28100    | 0.00500 | -0.00500 | 0.00097     |         |
| X                         |       | 0.73192    | 0.73400    |         |          | -0.00208    |         |
| Y                         |       | 1.55141    | 1.55000    |         |          | 0.00141     |         |
| <b>POS_P281(2)</b>        |       | <b>AXI</b> |            |         |          |             |         |
| POSITN                    |       | 0.00740    | 0.00000    | 0.01400 | 0.00000  | 0.00740     |         |
| <b>DIA_P281(3)</b>        |       | <b>CYL</b> |            |         |          |             |         |
| DM                        |       | 0.28174    | 0.28100    | 0.00500 | -0.00500 | 0.00074     |         |
| X                         |       | 0.73380    | 0.73400    |         |          | -0.00020    |         |
| Y                         |       | 2.55145    | 2.55000    |         |          | 0.00145     |         |
| <b>POS_P281(3)</b>        |       | <b>AXI</b> |            |         |          |             |         |
| POSITN                    |       | 0.00443    | 0.00000    | 0.01400 | 0.00000  | 0.00443     |         |
| <b>RAD_2P232</b>          |       | <b>CYL</b> |            |         |          |             |         |
| RA                        |       | 2.23205    | 2.23200    | 0.01000 | -0.01000 | 0.00005     |         |
| X                         |       | 3.00116    | 3.00000    | 0.01000 | -0.01000 | 0.00116     |         |
| Y                         |       | 5.97621    | 5.97500    | 0.01000 | -0.01000 | 0.00121     |         |
| <b>THRD(1)</b>            |       | <b>CYL</b> |            |         |          |             |         |
| X                         |       | 1.05020    | 1.05000    |         |          | 0.00020     |         |
| Y                         |       | 4.47533    | 4.47500    |         |          | 0.00033     |         |
| <b>POS_THRD(1)</b>        |       | <b>AXI</b> |            |         |          |             |         |
| POSITN                    |       | 0.00120    | 0.00000    | 0.01400 | 0.00000  | 0.00120     |         |
| <b>THRD(2)</b>            |       | <b>CYL</b> |            |         |          |             |         |
| X                         |       | 4.95280    | 4.95000    |         |          | 0.00280     |         |
| Y                         |       | 4.47637    | 4.47500    |         |          | 0.00137     |         |
| <b>POS_THRD(2)</b>        |       | <b>AXI</b> |            |         |          |             |         |
| POSITN                    |       | 0.00646    | 0.00000    | 0.01400 | 0.00000  | 0.00646     |         |
| <b>THRD(3)</b>            |       | <b>CYL</b> |            |         |          |             |         |
| X                         |       | 0.37674    | 0.37500    |         |          | 0.00174     |         |
| Z                         |       | -0.23622   | 0.25000    |         |          | -0.01378    |         |
| <b>THRD(4)</b>            |       | <b>CYL</b> |            |         |          |             |         |
| X                         |       | 5.62704    | 5.62500    |         |          | 0.00204     |         |
| Z                         |       | -0.24304   | 0.25000    |         |          | -0.00696    |         |



Notation : TUBE SUPPORT      Producer : R. ATKINSON      Draw. No. : PF-391-210-93 R  
 Ser. No. : 001      Part No. :      Department: MET. QUALITY IN  
 Element : ACNO\_2P232

|                |          | X                      | Y       | Z       | Nr.      |    |
|----------------|----------|------------------------|---------|---------|----------|----|
| Form .....     | 0.00321  | Min. Deviat.: -0.00184 | 5.22998 | 5.88000 | -0.25000 | 26 |
| Lower Toler. : | -0.01000 | Max. Deviat.: 0.00137  | 0.85935 | 5.34298 | -0.25000 | 3  |
| Upper Toler. : | 0.01000  |                        |         |         |          |    |
| Error Magnif.: | 10       |                        |         |         |          |    |
| No. of points: | 26       |                        |         |         |          |    |



2D - CONTOUR

Inspector.:kcaban  
 Date .....:03-APR-2009  
 Time .....:13:57:28