

Certificate Of Analysis

Part: \Line 1\Widget 4321

Template: COA (with Tags)

1/13/2012 9:26:37 AM - 1/13/2012 9:32:44 AM

Data Set: Active Parts (Today)

Customer Order Number: W89-3612
Drill Press: Drill 1, Drill 2
Inspector: Pat, Sam, Jane
Lot Number: M31-7892
Material Number: R328S

Press Number: Press 2, Press 4
Serial Number: 64532-84631, 64532-84632, 64532-84633
Shift: 1, 2

| Variable Name | LSL | Target | USL | X-bar | Range | Std. Dev. | Min | Max | # Samples | Cpk | Cp | Ppk | Pp |
|----------------------|---------|---------|---------|----------|--------|-----------|---------|---------|-----------|--------|--------|--------|--------|
| Height | 4.000 | 4.500 | 5.000 | 4.5558 | 0.5840 | 0.1676 | 4.379 | 4.963 | 9 | 0.9481 | 1.0672 | 0.8835 | 0.9944 |
| Hole Diameter A | 9.000 | 9.500 | 10.000 | 9.5187 | 0.3090 | 0.0897 | 9.345 | 9.654 | 9 | 1.5850 | 1.6465 | 1.7880 | 1.8573 |
| Hole Diameter B | 9.000 | 9.500 | 10.000 | 9.4938 | 0.6160 | 0.2097 | 9.125 | 9.741 | 9 | 1.0045 | 1.0172 | 0.7848 | 0.7947 |
| Hole Offset (A to B) | 18.000 | 19.000 | 20.000 | 19.2008 | 0.9140 | 0.3035 | 18.716 | 19.630 | 9 | 0.8971 | 1.1224 | 0.8778 | 1.0983 |
| Length Bottom | 1.400 | 1.450 | 1.500 | 1.4502 | 0.0620 | 0.0183 | 1.423 | 1.485 | 9 | 0.8024 | 0.8060 | 0.9053 | 0.9093 |
| Length Top | 24.800 | 25.200 | 25.600 | 25.2102 | 0.2940 | 0.0967 | 25.070 | 25.364 | 9 | 1.0574 | 1.0850 | 1.3439 | 1.3790 |
| Overall Density | 100.500 | 106.250 | 112.000 | 106.6398 | 6.0700 | 1.9905 | 103.560 | 109.630 | 9 | 0.9829 | 1.0544 | 0.8976 | 0.9629 |
| Overall Weight | 51.100 | 53.350 | 55.600 | 53.3254 | 1.3300 | 0.5019 | 52.630 | 53.960 | 9 | 1.1305 | 1.1429 | 1.4779 | 1.4942 |
| Width Bottom | 21.100 | 22.500 | 23.900 | 22.5264 | 0.9370 | 0.3385 | 22.064 | 23.001 | 9 | 1.2002 | 1.2233 | 1.3527 | 1.3788 |
| Width Top | 44.700 | 46.400 | 48.100 | 46.3800 | 1.3630 | 0.4496 | 45.852 | 47.215 | 9 | 1.0874 | 1.1003 | 1.2454 | 1.2603 |