



Critical Dimensions – NG and NGS Compressors

Sizes 082, 162 and 362

| Description | | Part Number | Dimension (in.) | Tolerance | 082 | 162 | 362 |
|--------------------|---|-----------------|-----------------|-----------|-----|-----|-----|
| Crank Shaft | Connecting Rod Journal OD | 791257 | 1.750 | Min | X | | |
| | | 792157 | 1.750 | Min | | X | |
| | | 793157 | 1.750 | Min | | | X |
| | Lateral Movement | all | .0015/.0030 | Min - Max | X | X | X |
| Connecting Rod | Wrist Pin Bushing ID* (Installed and Honed) | 792009 | 0.876 | Max | X | X | |
| | | 793009 | 0.876 | Max | | | X |
| | Crank End Bore ID | 792009 | 1.876 | Max | X | X | |
| | | 793009 | 1.876 | Max | | | X |
| Wrist Pin | OD | 792014 | 0.874 | Min | X | X | |
| | | 793004 | 0.874 | Min | | | X* |
| | | 793307 | 0.9998 | Min | | | X |
| Crosshead Assembly | Wrist Pin Bore ID | 792429 792501 | 0.875 | Max | X | X | |
| | | 793429 | 0.875 | Max | | | X |
| | Crosshead OD | 792429 792501 | 3.430 | Min | X | X | |
| | | 793429 | 3.993 | Min | | | X |
| Piston Rod OD | 792429 792501 | 0.749 | Min | X | X | | |
| | 793429 | 0.749 | Min | | | X | |
| Crosshead Guide | ID | 792455 | 3.437 | Max | X | X | |
| | | 793455 | 4.002 | Max | | | X |
| Cylinder | Bore | 792101 | 3.002 | Max | X | X | |
| | | 793045 | 4.003 | Max | | | X |
| Deck Height | Piston to Head Clearance (Checked cold) | See IOM | .015 to .030 | Min - Max | X | X | |
| | | | .025 to .040 | Min - Max | | | X |

* Older machines used a bronze bushing on the wrist pin. Newer models use a roller bearing (1" wrist pin on the 362). If the roller bearing is being replaced and the roller bearing bore appears damaged in anyway, replace the conrod.

Critical Dimensions – NG and NGS Compressors

Sizes 602, 642 and 942

| Description | | Part Number | Dimension (in.) | Tolerance | 602 | 642 | 942 |
|-----------------|---|-------------|-----------------|-----------|-----|-----|-----|
| Crank Shaft | Connecting Rod Journal OD | 794708 | 2.749 | Min | X | X | X |
| | Lateral Movement | all | .0015/.0030 | Min - Max | X | X | X |
| Connecting Rod | Wrist Pin Bushing ID* (Installed and Honed) | 794728 | 1.252 | Max | X | X | X |
| | Crank End Bore ID | 794728 | 2.899 | Max | X | X | X |
| Wrist Pin | OD | 794727 | 1.249 | Min | X | X | X |
| Crosshead Assy | Wrist Pin Bore ID | 794432 | 1.250 | Max | X | X | |
| | | 794723 | 1.250 | Max | | | X |
| | Crosshead OD | 794432 | 4.996 | Min | X | X | |
| | | 794723 | 4.996 | Min | | | X |
| | Piston Rod OD | 794432 | 1.249 | Min | X | X | |
| | | 794723 | 1.249 | Min | | | X |
| Crosshead Guide | ID | 794430 | 5.003 | Max | X | X | X |
| Cylinder | Bore | 794103 | 4.629 | Max | X | | |
| | | 794153 | 3.249 | Max | | X | |
| | | 794704 | 4.629 | Max | | | X |
| Deck Height | Piston to Head Clearance (Checked cold) | See IOM | .030 to .045 | Min - Max | X | X | |
| | Upper Piston Clearance | See IOM | .035 to .050 | Min - Max | | | X |
| | Lower Piston Clearance | See IOM | .003 to .005 | Min - Max | | | X |

* Older machines used a bronze bushing on the wrist pin. Newer models use a roller bearing. If the roller bearing is being replaced and the roller bearing bore appears damaged in anyway, replace the conrod.



Critical Dimensions – NG and NGS Compressors

Sizes 172, 373 and 612

| Description | | Part No. | Dimension (in.) | Tolerance | 172 | 372 | 612 |
|--------------------|---|-----------------|-----------------|-----------|-----|-----|-----|
| Crank Shaft | Connecting Rod Journal OD | 792157 | 1.750 | Min | X | X | X |
| | | 793157 | 1.750 | min | | | |
| 794708 | | 2.749 | Min | | | | |
| | Lateral Movement | all | .0015 to .0030 | Min - Max | X | | |
| Connecting Rod | Crank End Bore ID | 792301 | 1.876 | Max | X | X | X |
| | | 793309 | 1.312 | Max | | | |
| | | 794728 | 2.899 | Max | | | |
| Wrist Pin | OD | 792014 | 0.8748 | Min | X | X | X |
| | | 793307 | 0.9998 | Min | | | |
| | | 794727 | 1.2498 | Min | | | |
| Crosshead Assembly | Wrist Pin Bore ID (Iron) | 792429 792501 | 0.875 | Max | X | X | X |
| | | 793302 793501 | 1.00 | Max | | | |
| | | 794432 794523 | 1.250 | Max | | | |
| | Crosshead OD (Iron) | 792429 792501 | 3.430 | Min | X | X | X |
| | | 793302 793501 | 3.993 | Min | | | |
| | | 794432 794523 | 4.996 | Min | | | |
| Piston Rod OD | 792429 792501 | 0.749 | Min | X | X | X | |
| | 793302 793501 | 0.749 | Min | | | | |
| | 794432 794523 | 1.249 | Min | | | | |
| Crosshead Guide | ID | 792455 | 3.437 | Max | X | X | X |
| | | 793455 | 4.002 | Max | | | |
| | | 794432 794523 | 5.003 | Max | | | |
| Cylinder | Bore (1st Stage) | 792457 | 3.002 | Max | X | X | X |
| | | 793601 | 4.629 | Max | | | |
| | | 794601 | 6.006 | Max | | | |
| | Bore (2nd Stage) | 792457 | 1.752 | Max | X | X | X |
| | | 793601 | 2.690 | Max | | | |
| | | 794601 | 3.253 | Max | | | |
| Deck Height | Piston to Head Clearance (Checked cold) | From IOM | .015 to .030 | Min - Max | X | X | X |
| | | | .025 to .040 | Min - Max | | | |
| | | | .030 to .045 | Min - Max | | | |

