



| TOLERANCE STACK UP (WORKSHEET)            |                            |              |
|---|----------------------------|--------------|
| ITEM                                      | DESCRIPTION                | NOMINAL (IN) |
| A   | SEAT POCKET TO SEAT POCKET |              |
| B   | SEAT THICKNESS             |              |
| C   | SEAT THICKNESS             |              |
| D   | GATE THICKNESS             |              |
| E   | SEAT OD                    |              |
| F   | SEAT OD                    |              |
| G   | SEAT POCKET ID             |              |
| H   | SEAT POCKET ID             |              |
| A =                                       |                            |              |
| B + C + D =                               |                            |              |
| TOLERANCE STACK UP (A - (B + C + D)) =    |                            |              |
| TOLERANCE STACK UP (OEM NOMINAL)          |                            |              |
| ITEM                                      | DESCRIPTION                | NOMINAL (IN) |
| A   | SEAT POCKET TO SEAT POCKET | 8.716        |
| B   | SEAT THICKNESS             | 2.661        |
| C   | SEAT THICKNESS             | 2.661        |
| D   | GATE THICKNESS             | 3.375        |
| E   | SEAT OD                    | 7.738        |
| F   | SEAT OD                    | 7.738        |
| G   | SEAT POCKET ID             | 7.751        |
| H   | SEAT POCKET ID             | 7.751        |
| A =                                       |                            | 8.716        |
| B + C + D =                               |                            | 8.697        |
| OEM NOMINAL TOLERANCE (A - (B + C + D)) = |                            | 0.019        |

| OEM DIMENSIONS |                            |              |           |
|----------------|----------------------------|--------------|-----------|
| ITEM           | DESCRIPTION                | NOMINAL (IN) | TOLERANCE |
| A              | SEAT POCKET TO SEAT POCKET | 8.716        | +/- 0.002 |
| B & C          | SEAT THICKNESS             | 2.661        | +/- 0.003 |
| D              | GATE THICKNESS             | 3.375        | +/- 0.005 |
| E & F          | SEAT OD                    | 7.738        | +/- 0.001 |
| G & H          | SEAT POCKET ID             | 7.751        | +/- 0.003 |

CONFIDENTIAL INFORMATION

NOT TO SCALE – FOR REFERENCE ONLY



VALVEWORKS (OEM) TOLERANCE STACK UP  
WORKSHEET – 5 1/8-15K (FM3)

ASSET NUMBER (PPC):

DATE:

RELEASE DATE: 10/22/2024

REVISION B