Helical Isolator

SB20 SERIES
5/8" DIAMETER CABLE

PART NUMBER  DIMENSIONS (in [mm])  ISOLATOR WEIGHT (lbs [kg])  COMPRESSION  SHEAR/Roll (AVG)

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DIMENSIONS</th>
<th>ISOLATOR WEIGHT</th>
<th>COMPRESSION</th>
<th>SHEAR/Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB20-350-04-</td>
<td>3.50 (88.9) 4.00 (101.6) 3.18 (1.44) 3505</td>
<td>1748 1.20</td>
<td>1080 876 1.20</td>
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<tr>
<td>SB20-390-04-</td>
<td>3.90 (99.3) 4.40 (111.8) 3.25 (1.48) 2832</td>
<td>1358 1.60</td>
<td>737 679 1.60</td>
<td></td>
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<tr>
<td>SB20-430-04-</td>
<td>4.30 (109.2) 5.30 (134.6) 3.50 (1.59) 2245</td>
<td>880 2.00</td>
<td>477 451 2.00</td>
<td></td>
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<tr>
<td>SB20-470-04-</td>
<td>4.70 (119.4) 6.00 (152.4) 4.12 (1.87) 1266</td>
<td>581 2.40</td>
<td>294 301 2.40</td>
<td></td>
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<tr>
<td>SB20-500-04-</td>
<td>5.00 (127.0) 6.50 (165.1) 4.37 (1.98) 1014</td>
<td>458 2.70</td>
<td>279 248 2.70</td>
<td></td>
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<tr>
<td>SB20-530-04-</td>
<td>5.30 (134.6) 7.00 (177.8) 4.65 (2.11) 919</td>
<td>354 3.00</td>
<td>199 202 3.00</td>
<td></td>
</tr>
<tr>
<td>SB20-600-04-</td>
<td>6.00 (152.4) 7.75 (196.8) 5.10 (2.32) 746</td>
<td>248 3.70</td>
<td>125 138 3.70</td>
<td></td>
</tr>
</tbody>
</table>

NOTES, FEATURES, MATERIALS/FINISHES

NOTES:
- MOUNTING HOLE TOLERANCES: ±0.010 (±0.25mm).
- ALL DIMENSIONS IN PARENTHESES ARE METRIC (mm).
- SPECIALS AVAILABLE UPON REQUEST (MATERIALS, SIZE, MOUNTING HOLES, FINISH, ETC...).
- ADD L.34lbs (.616kg) TO ISOLATOR WEIGHT FOR ALL-STAINLESS STEEL VERSIONS.

FEATURES:
- RUGGED ALL METAL CONSTRUCTION
- UNEQUALLED TEMP. RANGE: -200°F TO 500°F
- THREE AXIS CAPABILITY (6 DOF)
- FAIL SAFE CONSTRUCTION
- HIGH DAMPING: C/Cc ≈.15-.20
- LONG LIFE AND MAINTENANCE FREE

MATERIALS/FINISHES:
- CABLE: 300 SERIES SS PER MIL-W-83420 OR RR-W-410
- SCREWS: 300 SERIES SS PASSIVATED IAW ASTM A967
- INSERTS: 300 SERIES SS (ALUM BARS ONLY)
- RETAINER BARS: SEE BELOW

MODEL NUMBER EXAMPLE

SB20 - 430 - 04 - E

MOUNTING HOLES
- SEE MOUNTING HOLE OPTIONS.
- ADD 'M' TO END OF P/N FOR METRIC MOUNTING HOLES.
- ADD 'L' TO END OF P/N FOR LOCKING INSERTS. (N/A FOR SS BARS)

BAR MATERIAL/FINISH
- [ ] 6061-T6 ALUM ALLOY/CHM FILM IAW MIL-DTL-5541, TYPE II, CLASS 3.
- [S] 300 SERIES SS/PASSIVATED IAW ASTM A967.

NO. OF LOOPS
- 4 LOOPS STANDARD FOR THE SB20 SERIES.
- ISOLATOR SPRING RATES ARE DIRECTLY PROPORTIONAL TO NO. OF CABLE LOOPS.

MODEL SIZE
- BASED ON ISOLATOR HEIGHT

SERIES
- CABLE DIAMETER IN 32NDS