

Table of Contents

<p>Boneham's Statement of Quality</p> <hr/> <p>Page 3</p>	<p>General Information</p> <hr/> <p>Page 9</p>	<p>Ordering Information ANSI/BMP Bushings</p> <hr/> <p>Page 11</p>	<p>Technical Information ANSI/BMP Bushings</p> <hr/> <p>Page 12</p>	<p>Boneham NITRALLOY</p> <hr/> <p>Page 13</p>	<p>Popular Boneham Drill Bushings in Application</p> <hr/> <p>Page 14</p>
<p>Drill Bushings</p> <hr/> <p>Pages 15-55</p>	<p>Headless Press Fit Drill Bushings</p> <p>P Type ANSI Drill Bushings</p>  <hr/> <p>Page 16</p>	<p>Headless Press Fit Drill Bushings</p> <p>PTW Type ANSI Thin Wall Bushings</p>  <hr/> <p>Page 18</p>	<p>Headless Press Fit Drill Bushings</p> <p>PM Type ANSI Metric Bushings</p>  <hr/> <p>Page 20</p>	<p>Head Press Fit Drill Bushings</p> <p>H Type ANSI Drill Bushings</p>  <hr/> <p>Page 21</p>	<p>Head Press Fit Drill Bushings</p> <p>HTW Type ANSI Thin Wall Bushings</p>  <hr/> <p>Page 23</p>
<p>Head Press Fit Drill Bushings</p> <p>HM Type ANSI Metric Bushings</p>  <hr/> <p>Page 25</p>	<p>Serrata Press Fit Drill Bushings</p> <p>SP Type Serrated Bushings</p>  <hr/> <p>Page 26</p>	<p>Diamond Groove Drill Bushings</p> <p>DG Type 'Cast-in' Bushings</p>  <hr/> <p>Page 27</p>	<p>Serrata Press Fit Drill Bushings</p> <p>SPM Type Serrated Metric Bushings</p>  <hr/> <p>Page 28</p>	<p>Diamond Groove Drill Bushings</p> <p>DGM Type METRIC 'Cast-in Bushings'</p>  <hr/> <p>Page 29</p>	<p>Slip-Fixed Renewable Combination Drill Bushings</p> <p>SF Type ANSI Combination Bushings</p>  <hr/> <p>Page 30</p>
<p>Slip-Fixed Renewable Combination Drill Bushings</p> <p>SFTW Type ANSI Thin Wall Bushings</p>  <hr/> <p>Page 32</p>	<p>Renewable Drill Bushing Dimensional Data</p> <hr/> <p>Page 34</p>	<p>Slip-Fixed Renewable Combination Drill Bushings</p> <p>SFM Type ANSI Metric Combination Bushings</p>  <hr/> <p>Page 35</p>	<p>Headless Liner Drill Bushings</p> <p>L Type ANSI Headless Liner</p>  <hr/> <p>Page 37</p>	<p>Headless Liner Drill Bushings</p> <p>LTW Type Thin Wall Liner</p>  <hr/> <p>Page 38</p>	<p>Head Liner Drill Bushings</p> <p>HL Type ANSI Liner Bushings</p>  <hr/> <p>Page 40</p>
<p>Handle Bushing</p> <p>Spoon Handle Drill Bushing</p>  <hr/> <p>Page 41</p>	<p>Egg Cup Bushing</p> <p>Right Angle Drill Bushing Fixture</p>  <hr/> <p>Page 42</p>	<p>Pilot Bushing</p> <p>Drill Bushings for Pilot Holes</p>  <hr/> <p>Page 43</p>	<p>Ordering Information ISO/BMP Metric Bushings</p> <hr/> <p>Page 44</p>	<p>Technical Information ISO/BMP Metric Bushings</p> <hr/> <p>Page 45</p>	<p>Headless Press Fit Drill Bushings</p> <p>ISO 4247 / DIN 179A Headless Metric Drill Bushing</p>  <hr/> <p>Page 46</p>

























<p>Head Press Fit Drill Bushings</p> <p>ISO 4247 / DIN 172A Head Metric Drill Bushing</p>  <p>Page 47</p>	<p>Slip-Fixed Renewable Combination Drill Bushings</p> <p>ISO 4247 Renewable Bushings</p>  <p>Page 48</p>	<p>Headless Liner Drill Bushings</p> <p>ISO 4247 Headless Metric Liner</p>  <p>Page 49</p>	<p>Head Liner Drill Bushings</p> <p>ISO 4247 Head Metric Liner</p>  <p>Page 50</p>	<p>Lock Screws and Round Clamps</p> <p>ISO and BMP Standard</p>  <p>Page 51</p>	<p>Standard Drill Sizes and Decimal Equivalents</p> <p>Page 52</p>	
<p>Gun Drill Bushings</p> <p>One Piece GDE Type</p>  <p>Page 53</p>	<p>Gun Drill Bushings</p> <p>GDI Type Gun Drill Inserts</p>  <p>Page 54</p>	<p>Gun Drill Bushings</p> <p>GDL Type Gun Drill Liners</p>  <p>Page 55</p>	<p>Dowel and Clevis Pins</p> <p>Pages 56-65</p>		<p>Dowel Pins</p> <p>INCH Dowel Pins to ASME 18.8.2-2000</p>  <p>Page 57</p>	<p>Dowel Pins</p> <p>Metric Dowel Pins to ASME 18.8. 100m-2000</p>  <p>Page 58</p>
<p>Pull Dowel Pins</p> <p>INCH Pull Dowel Pins</p>  <p>Page 59</p>	<p>Pull Dowel Pins</p> <p>Metric Pull Dowel Pins</p>  <p>Page 60</p>	<p>Pull Dowel Pins</p> <p>Pull Dowel Pin Extractor Tool</p>  <p>Page 61</p>	<p>Dowel Extractor Kit</p> <p>DPE and DP Heads</p>  <p>Page 62</p>	<p>Nylon Dowel Pins</p> <p>Nylon 66 Dowel Pins</p>  <p>Page 63</p>	<p>Clevis Pins</p> <p>Metric Pin to ISO 2341B or DIN 1444B</p>  <p>Page 64</p>	
<p>Clevis Pins</p> <p>INCH Pin to ANSI Sizes</p>  <p>Page 65</p>	<p>Tooling Solutions</p> <p>Pages 67-93</p>	<p>L-Pins and T-Pins</p> <p>Case Hardened Steel – Black Oxide Finish</p>  <p>Page 68</p>	<p>Quick removing “T-Bar” Location Pins</p> <p>Metric and Imperial Jig Pins</p>  <p>Page 70</p>	<p>Slotted Locator Bushings</p> <p>SL Type Press-Fit Locator Bushing</p>  <p>Page 72</p>	<p>Slotted Locator Bushings</p> <p>KSL Type Knurled Locator Bushings</p>  <p>Page 73</p>	
<p>Cable</p> <p>Cables for Fixtures</p>  <p>Page 74</p>	<p>Cable Clips</p> <p>Clips for Cables</p>  <p>Page 75</p>	<p>Location Pins</p> <p>Bullet Nose Dowels</p>  <p>Page 76</p>	<p>Location Pins</p> <p>Liner for Bullet Nose Dowels</p>  <p>Page 77</p>	<p>Location Pins</p> <p>Bullet Nose Pins</p>  <p>Page 78</p>	<p>Location Pins</p> <p>Liner for Bullet Nose Pins</p>  <p>Page 79</p>	

Table of Contents

Rest Buttons

Round Rest Buttons



Page 80

Locator Buttons

SLB Type Spherical Locator



Page 81

Polygrip Recessed Serrated Bushing

Bushings for Composites -
Drilling and Locating



Page 82

Blind Polygrip Bushing

Polygrip Serrated GS Bushing
Blind Hole



Page 83

Soft GS Bushing

Polygrip Serrated GS Bushing
Soft Condition



Page 84

Knurled Mold Clamps

A Boneham registered design
for Split Molds



Pages 85

Short Knurled Mold Bushing

A Boneham registered design
for Split Molds



Page 86

Knurled Slotted Mold Bushing

For Composite Molds



Page 87

Spherical Washers

Top / Bottom Washer



Pages 88-89

Knurled Thumb Screw

DIN 464



Page 90

Flat Knurled Nut

DIN 467



Page 92

Stripper Bolts and Shoulder Screws

Slotted Shoulder Screw /
Stripper Bolts



Page 93