### PPSSh 41

#### PINS

<table>
<thead>
<tr>
<th>USE</th>
<th>PIN DIA. (mm)</th>
<th>PIN LENGTH (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magazine latch</td>
<td>2.8</td>
<td>38</td>
</tr>
<tr>
<td>Firing pin</td>
<td>4.0</td>
<td>32</td>
</tr>
<tr>
<td>Receiver latch</td>
<td>5.0</td>
<td>40</td>
</tr>
<tr>
<td>Rear sight</td>
<td>3.0</td>
<td>24</td>
</tr>
<tr>
<td>Magazine latch pivot</td>
<td>2.5</td>
<td>9</td>
</tr>
</tbody>
</table>

#### SPRINGS

<table>
<thead>
<tr>
<th>USE</th>
<th>WIRE DIA. (mm)</th>
<th>SPRING OD (mm)</th>
<th>OAL (mm)</th>
<th>No. COILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trigger</td>
<td>0.7</td>
<td>4.5</td>
<td>11.5</td>
<td>7</td>
</tr>
<tr>
<td>Trigger plunger</td>
<td>0.6</td>
<td>4.3</td>
<td>35</td>
<td>25</td>
</tr>
<tr>
<td>Sear</td>
<td>0.8</td>
<td>6.4</td>
<td>35</td>
<td>15</td>
</tr>
<tr>
<td>Selector</td>
<td>1.0</td>
<td>8.3</td>
<td>13</td>
<td>6</td>
</tr>
<tr>
<td>Magazine latch</td>
<td>0.5</td>
<td>4.2</td>
<td>13</td>
<td>8</td>
</tr>
<tr>
<td>Main</td>
<td>0.91</td>
<td>6.86</td>
<td>200</td>
<td>74</td>
</tr>
<tr>
<td>Safety</td>
<td>0.5</td>
<td>3.5</td>
<td>6.5</td>
<td>4</td>
</tr>
<tr>
<td>Receiver latch</td>
<td>1.0</td>
<td>4.0</td>
<td>52</td>
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67
<table>
<thead>
<tr>
<th>USE</th>
<th>SCREWS TYPE</th>
<th>REQUIRED</th>
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</thead>
<tbody>
<tr>
<td>Sling plate</td>
<td>Wood</td>
<td>Flat head: 6 φ</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Body: 3 φ</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Length: 15</td>
</tr>
<tr>
<td>Butt plate</td>
<td>Wood</td>
<td>Half round head: 10 φ</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Body: 6 φ</td>
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<tr>
<td></td>
<td></td>
<td>Length: 25</td>
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<tr>
<td>Receiver</td>
<td>Machine</td>
<td>Half round head: 10 φ</td>
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<tr>
<td></td>
<td></td>
<td>Body: 5 φ</td>
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<tr>
<td></td>
<td></td>
<td>Length: 40</td>
</tr>
</tbody>
</table>
Pivot block
Material: steel
Scale: 1 : 1

Barrel sleeve rivet
Material: steel
Scale: 1 : 1
Extractor
Material: 4140 steel
Rc 52-55
Scale: 4 : 1

Bolt handle
Material: steel
Scale: 2 : 1

File to fit bolt contours
Knurl 0.5 deep

Safety
Material: Steel
Scale: 3.48 : 1

4.1 φ - 9 deep

Extractor spring
Material: spring stock
Scale: 1.74 : 1

Rear sight spring
Material: spring stock
Scale: 1.74 : 1
Barrel pivot pin
Material: steel
Scale: 1:74 : 1

Counterbore 2.5 deep at both ends

Barrel pivot pin lock
Material: steel
Scale: 1:74 : 1

Saw slot

straight taper

Ejector
Material: steel
Scale: 1:74 : 1

Drill for 4-48

45°
Main spring guide
Material: steel
Scale: 3.48 : 1

Bolt buffer
Material: plastic
Scale: 1.74 : 1

Firing pin
Material: 4140 steel
Rc 55-60
Scale: 3.48 : 1

Safety plunger
Material: 4140 steel
Rc 55-60
Scale: 8.7 : 1
Magazine latch
Material: steel
Rc 50-55
Scale: 2:1
Barrel
Material: 4140 steel or equivalent
Scale: 1 : 1

.30 Mauser - min. chamber

Tolerances 0.01mm except where noted
Trigger guard

Drill & tap for receiver screw

3 φ drill 4 holes

82 25.5 12 ref.

180.5 ref.

4R typ.

31 11.5 91 20 45

17 4 6.5 4

18 4 20 20

13 15° 6 6 13

6 6 35

13R 82
**Disconnected**  
Material: 3mm thick steel strip  
Scale: .87 : 1

**Selector housing**  
Material: steel  
Scale: 1 : 1

**Selector**  
Material: steel  
Scale: .87 : 1

**Selector plunger**  
Material: steel  
Scale: .87 : 1
Trigger
Material: 4140 steel or equivalent
Scale: .87 : 1

Trigger plunger
Material: 4140 steel or equivalent
Scale: .87 : 1

Sear
Material: 4140 steel or equivalent
Rear sight
Material: steel

Base
Scale: 1 : 1

Sight
Scale: 2 : 1
Front sight
Material: steel
Scale: 1.74 : 1

Bend at assembly with barrel sleeve
Buttplate
Material: steel
Scale: .87 : 1

Buttplate screw
2 required
Half round head wood screw,
10 φ body, 6 φ x 25 long

Sling plate
Material: steel stock 1.5mm
Scale : .87 : 1

Sling plate screw
2 required
Flat head wood screw,
6 φ body, 3 φ x 15 long
Buttstock
Material: wood
Scale: .87 : 2

Note: for cuts in the front end of the buttstock, see detail drawing on next page
Buttstock detail
Scale: 0.83 : 1
Magazine body
Material: 1mm steel sheet stock
Scale: .83 : 1
Magazine body filler
Material: steel

Note: welded to magazine body at assembly
Magazine spring
Material: 1.3 \( \Phi \) music wire

Number of coils: 24
Overall length: 300mm