



07

Bohren

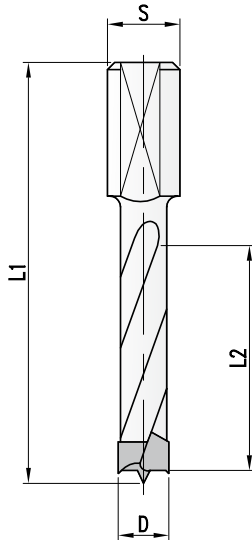
**Bohrer**

*Boring Bits*

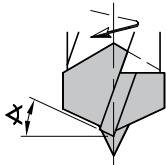


**ProChipper**®  
tooling systems

- Zum Bohren von Sacklöchern.  
Mit Zentrierspitze und Vorschneidergeometrie.
- For drilling dowel holes.  
With center-point and spur geometry.



- Modifikation • Modification



- Negativ angeschliffene Vorschneider für verbesserte Lochrandqualität und höhere Standzeit
- Negatively ground spurs for accurate holes and longer tool life.

### Schaft ø 8 mm • Shank ø 8 mm

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1= 57,5 mm</b>							
5	30	57,5	8x27	2	02	8363.005.030	8363.005.130
6	30	57,5	8x27	2	02	8363.006.030	8363.006.130
7	30	57,5	8x27	2	02	8363.007.030	8363.007.130
8	30	57,5	8x27	2	02	8363.008.030	8363.008.130
9	30	57,5	8x27	2	02	8363.009.030	8363.009.130
10	30	57,5	8x27	2	02	8363.010.030	8363.010.130
12	30	57,5	8x27	2	02	8363.012.030	8363.012.130
<b>L1= 70 mm</b>							
5	40	70	8x30	2	02	8363.005.040	8363.005.140
6	40	70	8x30	2	02	8363.006.040	8363.006.140
7	40	70	8x30	2	02	8363.007.040	8363.007.140
8	40	70	8x30	2	02	8363.008.040	8363.008.140
9	40	70	8x30	2	02	8363.009.040	8363.009.140
10	40	70	8x30	2	02	8363.010.040	8363.010.140
12	40	70	8x30	2	02	8363.012.040	8363.012.140

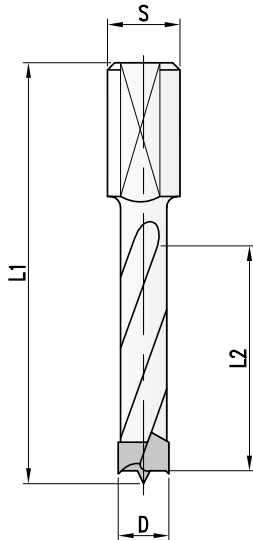
### Schaft ø 10 mm • Shank ø 10 mm

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1= 57,5 mm</b>							
4	30	57,5	10x27	2	02	8363.004.030	8363.004.130
5	30	57,5	10x27	2	02	8363.005.230	8363.005.330
6	30	57,5	10x27	2	02	8363.006.230	8363.006.330
7	30	57,5	10x27	2	02	8363.007.230	8363.007.330
8	30	57,5	10x27	2	02	8363.008.230	8363.008.330
9	30	57,5	10x27	2	02	8363.009.230	8363.009.330
10	30	57,5	10x27	2	02	8363.010.230	8363.010.330
11	30	57,5	10x27	2	02	8363.011.030	8363.011.130
12	30	57,5	10x27	2	02	8363.012.230	8363.012.330
13	30	57,5	10x27	2	02	8363.013.030	8363.013.130
14	30	57,5	10x27	2	02	8363.014.030	8363.014.130
15	30	57,5	10x27	2	02	8363.015.030	8363.015.130
16	30	57,5	10x27	2	02	8363.016.030	8363.016.130
<b>L1= 70 mm</b>							
4	40	70	10x30	2	02	8363.004.043	8363.004.143
5	40	70	10x30	2	02	8363.005.043	8363.005.143
6	40	70	10x30	2	02	8363.006.043	8363.006.143
7	40	70	10x30	2	02	8363.007.043	8363.007.143
8	40	70	10x30	2	02	8363.008.043	8363.008.143
9	40	70	10x30	2	02	8363.009.043	8363.009.143
10	40	70	10x30	2	02	8363.010.043	8363.010.143
11	40	70	10x30	2	02	8363.011.043	8363.011.143
12	40	70	10x30	2	02	8363.012.043	8363.012.143
14	40	70	10x30	2	02	8363.014.043	8363.014.143
15	40	70	10x30	2	02	8363.015.043	8363.015.143
16	40	70	10x30	2	02	8363.016.043	8363.016.143
<b>L1= 77 mm</b>							
5	45	77	10x30	2	02	8363.005.050	8363.005.150
6	45	77	10x30	2	02	8363.006.050	8363.006.150
7	45	77	10x30	2	02	8363.007.050	8363.007.150
8	45	77	10x30	2	02	8363.008.050	8363.008.150
10	45	77	10x30	2	02	8363.010.050	8363.010.150
12	45	77	10x30	2	02	8363.012.050	8363.012.150
14	45	77	10x30	2	02	8363.014.050	8363.014.150

### Ersatzteile • Spare parts

	Dim.	PG	Art. Nr.
Einstellschraube • Adjusting Screw	M5x10	02	705.103
SS-Einstellschraube • SS-Adjusting Screw	M5x17	02	705.180

- Zum Bohren von Sacklöchern.  
Mit Zentrierspitze und Vorschneidengeometrie.  
Kombinierbar mit Aufstecksenker.
- For drilling dowel holes.  
With center-point and spur geometry.  
Can be combined with loose countersink.



### Schaft ø 8 mm • Shank ø 8 mm

MAN HW

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1= 57,5 mm</b>							
5	30	57,5	8x27	2	02	8373.005.030	8373.005.130
6	30	57,5	8x27	2	02	8373.006.030	8373.006.130
7	30	57,5	8x27	2	02	8373.007.030	8373.007.130
8	30	57,5	8x27	2	02	8373.008.030	8373.008.130
9	30	57,5	8x27	2	02	8373.009.030	8373.009.130
10	30	57,5	8x27	2	02	8373.010.030	8373.010.130
12	30	57,5	8x27	2	02	8373.012.030	8373.012.130
<b>L1= 67 mm</b>							
5	40	67	8x27	2	02	8373.005.040	8373.005.140
6	40	67	8x27	2	02	8373.006.040	8373.006.140
7	40	67	8x27	2	02	8373.007.040	8373.007.140
8	40	67	8x27	2	02	8373.008.040	8373.008.140
9	40	67	8x27	2	02	8373.009.040	8373.009.140
10	40	67	8x27	2	02	8373.010.040	8373.010.140
12	40	67	8x27	2	02	8373.012.040	8373.012.140

### Schaft ø 10 mm • Shank ø 10 mm

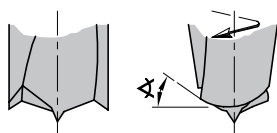
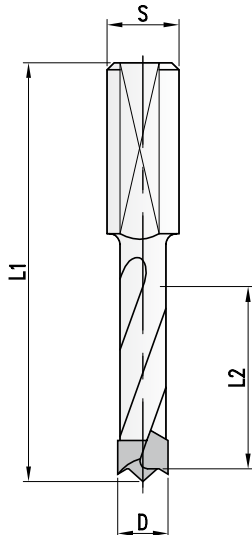
MAN HW

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1= 57,5 mm</b>							
4	30	57,5	10x27	2	02	8373.004.030	8373.004.130
5	30	57,5	10x27	2	02	8373.005.230	8373.005.330
6	30	57,5	10x27	2	02	8373.006.230	8373.006.330
7	30	57,5	10x27	2	02	8373.007.230	8373.007.330
8	30	57,5	10x27	2	02	8373.008.230	8373.008.330
9	30	57,5	10x27	2	02	8373.009.230	8373.009.330
10	30	57,5	10x27	2	02	8373.010.230	8373.010.330
11	30	57,5	10x27	2	02	8373.011.230	8373.011.330
12	30	57,5	10x27	2	02	8373.012.230	8373.012.330
13	30	57,5	10x27	2	02	8373.013.230	8373.013.330
14	30	57,5	10x27	2	02	8373.014.230	8373.014.330
15	30	57,5	10x27	2	02	8373.015.230	8373.015.330
16	30	57,5	10x27	2	02	8373.016.230	8373.016.330
<b>L1= 70 mm</b>							
4	43	70	10x27	2	02	8373.004.043	8373.004.143
5	43	70	10x27	2	02	8373.005.043	8373.005.143
6	43	70	10x27	2	02	8373.006.043	8373.006.143
7	43	70	10x27	2	02	8373.007.043	8373.007.143
8	43	70	10x27	2	02	8373.008.043	8373.008.143
9	43	70	10x27	2	02	8373.009.043	8373.009.143
10	43	70	10x27	2	02	8373.010.043	8373.010.143
11	43	70	10x27	2	02	8373.011.043	8373.011.143
12	43	70	10x27	2	02	8373.012.043	8373.012.143
13	43	70	10x27	2	02	8373.013.043	8373.013.143
14	43	70	10x27	2	02	8373.014.043	8373.014.143
15	43	70	10x27	2	02	8373.015.043	8373.015.143
16	43	70	10x27	2	02	8373.016.043	8373.016.143
<b>L1= 85 mm</b>							
5	45	85	10x35	2	02	8373.005.050	8373.005.150
6	45	85	10x35	2	02	8373.006.050	8373.006.150
7	45	85	10x35	2	02	8373.007.050	8373.007.150
8	45	85	10x35	2	02	8373.008.050	8373.008.150
9	45	85	10x35	2	02	8373.009.050	8373.009.150
10	45	85	10x35	2	02	8373.010.050	8373.010.150
12	45	85	10x35	2	02	8373.012.050	8373.012.150
14	45	85	10x35	2	02	8373.014.050	8373.014.150
<b>L1= 115 mm</b>							
5	65	115	10x35	2	02	8373.005.065	8373.005.165
6	65	115	10x35	2	02	8373.006.065	8373.006.165
7	65	115	10x35	2	02	8373.007.065	8373.007.165
8	65	115	10x35	2	02	8373.008.065	8373.008.165
9	65	115	10x35	2	02	8373.009.065	8373.009.165
10	65	115	10x35	2	02	8373.010.065	8373.010.165
12	65	115	10x35	2	02	8373.012.065	8373.012.165
14	65	115	10x35	2	02	8373.014.065	8373.014.165



**8383****HW Dübellochbohrer "SuperPlus" - Festbestückt**  
TC Dowel drill "SuperPlus" - Tipped

- Zum Bohren von Sacklöchern. Mit Zentrierspitze und Rundformvorschneidern.
- For drilling dowel holes. With center point and roundspur profile grinding.

**Schaft ø 10 mm • Shank ø 10 mm****MAN HW**

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
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**L1 = 57,5 mm**

5	30	57,5	10x27	2	02	<b>8383.005.033</b>	<b>8383.005.133</b>
6	30	57,5	10x27	2	02	<b>8383.006.033</b>	<b>8383.006.133</b>
7	30	57,5	10x27	2	02	<b>8383.007.033</b>	<b>8383.007.133</b>
8	30	57,5	10x27	2	02	<b>8383.008.033</b>	<b>8383.008.133</b>
9	30	57,5	10x27	2	02	<b>8383.009.033</b>	<b>8383.009.133</b>
10	30	57,5	10x27	2	02	<b>8383.010.033</b>	<b>8383.010.133</b>
12	30	57,5	10x27	2	02	<b>8383.012.033</b>	<b>8383.012.133</b>
15	30	57,5	10x27	2	02	<b>8383.015.033</b>	<b>8383.015.133</b>

**L1 = 70 mm**

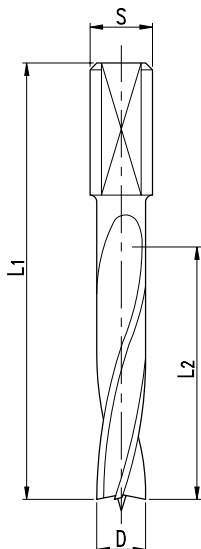
5	35	70	10x30	2	02	<b>8383.005.035</b>	<b>8383.005.135</b>
6	35	70	10x30	2	02	<b>8383.006.035</b>	<b>8383.006.135</b>
7	35	70	10x30	2	02	<b>8383.007.035</b>	<b>8383.007.135</b>
8	35	70	10x30	2	02	<b>8383.008.035</b>	<b>8383.008.135</b>
9	35	70	10x30	2	02	<b>8383.009.035</b>	<b>8383.009.135</b>
10	35	70	10x30	2	02	<b>8383.010.035</b>	<b>8383.010.135</b>
12	35	70	10x30	2	02	<b>8383.012.035</b>	<b>8383.012.135</b>
15	35	70	10x30	2	02	<b>8383.015.035</b>	<b>8383.015.135</b>

**Ersatzteile • Spare parts**

	Dim.	PG	Art. Nr.
Einstellschraube • Adjusting Screw	M5x10	02	<b>705.103</b>
SS-Einstellschraube • SS-Adjusting Screw	M5x17	02	<b>705.180</b>

**3363****HS Dübellochbohrer "Standard" - Massiv**  
HS Dowel drill "Standard" - Solid

- Zum Bohren von Sacklöchern.  
Mit Zentrierspitze und Vorschneidergeometrie.  
Kombinierbar mit Aufstecksenker.
- For drilling dowel holes.  
With center-point and spur geometry.  
Can be combined with loose countersink.

**Schaft ø 10 mm • Shank ø 10 mm****MAN HS**

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
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**L1 = 57,5 mm**

5	30	57,5	10x27	2	02	<b>3363.005.030</b>	<b>3363.005.130</b>
6	30	57,5	10x27	2	02	<b>3363.006.030</b>	<b>3363.006.130</b>
7	30	57,5	10x27	2	02	<b>3363.007.030</b>	<b>3363.007.130</b>
8	30	57,5	10x27	2	02	<b>3363.008.030</b>	<b>3363.008.130</b>
9	30	57,5	10x27	2	02	<b>3363.009.030</b>	<b>3363.009.130</b>
10	30	57,5	10x27	2	02	<b>3363.010.030</b>	<b>3363.010.130</b>
12	30	57,5	10x27	2	02	<b>3363.012.030</b>	<b>3363.012.130</b>

**L1 = 70 mm**

5	43	70	10x30	2	02	<b>3363.005.043</b>	<b>3363.005.143</b>
6	43	70	10x30	2	02	<b>3363.006.043</b>	<b>3363.006.143</b>
7	43	70	10x30	2	02	<b>3363.007.043</b>	<b>3363.007.143</b>
8	43	70	10x30	2	02	<b>3363.008.043</b>	<b>3363.008.143</b>
9	43	70	10x30	2	02	<b>3363.009.043</b>	<b>3363.009.143</b>
10	43	70	10x30	2	02	<b>3363.010.043</b>	<b>3363.010.143</b>
12	43	70	10x30	2	02	<b>3363.012.043</b>	<b>3363.012.143</b>

**Ersatzteile • Spare parts**

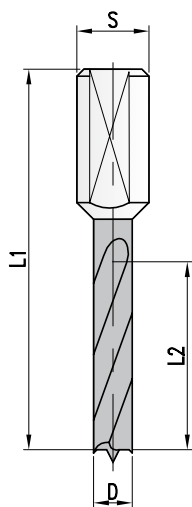
	Dim.	PG	Art. Nr.
Einstellschraube • Adjusting Screw	M5x10	02	<b>705.103</b>
SS-Einstellschraube • SS-Adjusting Screw	M5x17	02	<b>705.180</b>

**268****ProChipper®**

www.pro-lock.de

**6363****HW Dübellochbohrer "Standard" - Massiv**  
TC Dowel drill "Standard" - Solid

- Zum Bohren von Sacklöchern. Mit Zentrierspitze und Vorschneidengeometrie.
- For drilling dowel holes. With center-point and spur geometry.

**Schaft ø 10 mm • Shank ø 10 mm****MAN HW**

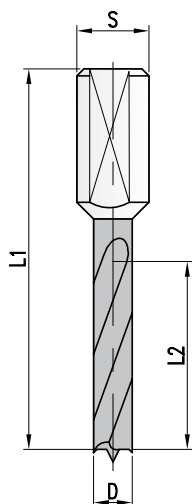
D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1= 57,5 mm</b>							
3	27	57,5	10x27	2	02	<b>6363.003.027</b>	<b>6363.003.127</b>
4	27	57,5	10x27	2	02	<b>6363.004.027</b>	<b>6363.004.127</b>
5	27	57,5	10x27	2	02	<b>6363.005.027</b>	<b>6363.005.127</b>
6	27	57,5	10x27	2	02	<b>6363.006.027</b>	<b>6363.006.127</b>
8	27	57,5	10x27	2	02	<b>6363.008.027</b>	<b>6363.008.127</b>
10	27	57,5	10x27	2	02	<b>6363.010.027</b>	<b>6363.010.127</b>
<b>L1= 70 mm</b>							
3	35	70	10x30	2	02	<b>6363.003.035</b>	<b>6363.003.135</b>
4	35	70	10x30	2	02	<b>6363.004.035</b>	<b>6363.004.135</b>
5	35	70	10x30	2	02	<b>6363.005.035</b>	<b>6363.005.135</b>
6	35	70	10x30	2	02	<b>6363.006.035</b>	<b>6363.006.135</b>
8	35	70	10x30	2	02	<b>6363.008.035</b>	<b>6363.008.135</b>
10	35	70	10x30	2	02	<b>6363.010.035</b>	<b>6363.010.135</b>
12	35	70	10x30	2	02	<b>6363.012.035</b>	<b>6363.012.135</b>

**Ersatzteile • Spare parts**

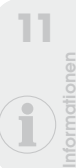
	Dim.	PG	Art. Nr.
Einstellschraube • Adjusting Screw	M5x10	02	<b>705.103</b>
SS-Einstellschraube • SS-Adjusting Screw	M5x17	02	<b>705.180</b>

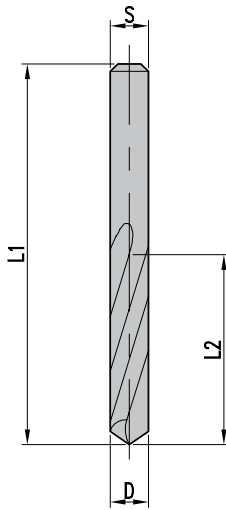
**6353****HW Dübellochbohrer Z = 3 - Massiv**  
TC Dowel drill Z=3 - Solid

- Zum Bohren von Sacklöchern. Mit Zentrierspitze und Vorschneidengeometrie.
- For drilling dowel holes. With center-point and spur geometry.

**Schaft ø 10 mm • Shank ø 10 mm****MAN HW**

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1= 57,5 mm</b>							
3	27	57,5	10x27	3	02	<b>6353.003.027</b>	<b>6353.003.127</b>
4	27	57,5	10x27	3	02	<b>6353.004.027</b>	<b>6353.004.127</b>
5	27	57,5	10x27	3	02	<b>6353.005.027</b>	<b>6353.005.127</b>
6	27	57,5	10x27	3	02	<b>6353.006.027</b>	<b>6353.006.127</b>
8	27	57,5	10x27	3	02	<b>6353.008.027</b>	<b>6353.008.127</b>
10	27	57,5	10x27	3	02	<b>6353.010.027</b>	<b>6353.010.127</b>
<b>L1= 70 mm</b>							
4	35	70	10x30	3	02	<b>6353.004.035</b>	<b>6353.004.135</b>
5	35	70	10x30	3	02	<b>6353.005.035</b>	<b>6353.005.135</b>
6	35	70	10x30	3	02	<b>6353.006.035</b>	<b>6353.006.135</b>
8	35	70	10x30	3	02	<b>6353.008.035</b>	<b>6353.008.135</b>
10	35	70	10x30	3	02	<b>6353.010.035</b>	<b>6353.010.135</b>
12	35	70	10x30	3	02	<b>6353.012.035</b>	<b>6353.012.135</b>

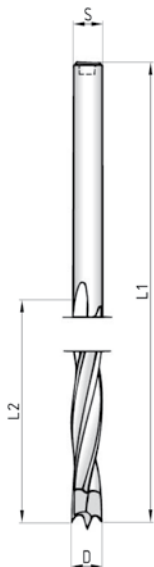


**6355****HW Spiralbohrer - Massiv***TC Twist drill - Solid*

- Zum Bohren von Sack- und Durchgangslöchern. Zylindrische Ausführung mit flacher Dachformspitze. Bei Schaftaufnahme 10mm, verwendbar mit Reduzierbuchse Art. 494 bzw. Adapter Art. 495.
- For drilling of holes and through-holes. Cylindrical with flat V-point tip. For boring spindle 10mm, adaptable with reducing sleeve Art. 494 or adapter Art. 495.

**VHW-Spiralbohrer Z=2 • Solid TC drill Z=2****MAN HW**

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
1,2	13	33	1,2	2	02	<b>6355.012.013</b>	<b>6355.012.113</b>
2	25	49	2,0	2	02	<b>6355.002.025</b>	<b>6355.002.125</b>
2,5	27	55	2,5	2	02	<b>6355.025.027</b>	<b>6355.025.127</b>
3	27	55	3,0	2	02	<b>6355.003.027</b>	<b>6355.003.127</b>
3,2	27	52	3,2	2	02	<b>6355.032.027</b>	<b>6355.032.127</b>
3,5	27	52	3,5	2	02	<b>6355.035.027</b>	<b>6355.035.127</b>
4	27	55	4,0	2	02	<b>6355.004.027</b>	<b>6355.004.127</b>
4,5	28	58	4,5	2	02	<b>6355.045.028</b>	<b>6355.045.128</b>
5	28	62	5,0	2	02	<b>6355.005.028</b>	<b>6355.005.128</b>
6	28	62	6,0	2	02	<b>6355.006.028</b>	<b>6355.006.128</b>

**8355****HW Spiralbohrer mit Zentrierspitze - Festbestückt***TC Twist drill with center point - Tipped***HW-Spiralbohrer Z=2 • TC drill Z=2****MAN HW**

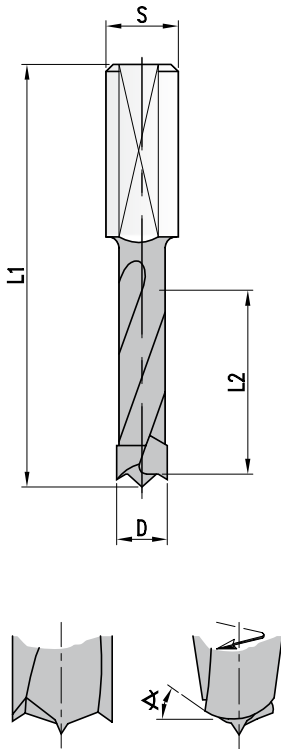
D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
4	40	75	4	2	02	<b>8355.040.004</b>	<b>8355.040.104</b>
4,5	45	80	4,5	2	02	<b>8355.045.045</b>	<b>8355.045.145</b>
5	50	86	5,0	2	02	<b>8355.050.005</b>	<b>8355.050.105</b>
5,5	50	93	5,5	2	02	<b>8355.050.055</b>	<b>8355.050.155</b>
6	50	93	6,0	2	02	<b>8355.050.006</b>	<b>8355.050.106</b>
	60	110	13x50	2	02	<b>8355.060.013</b>	<b>8355.060.113</b>
6,5	55	101	6,5	2	02	<b>8355.055.065</b>	<b>8355.055.165</b>
7	60	109	7,0	2	02	<b>8355.060.007</b>	<b>8355.060.107</b>
7,5	60	109	7,5	2	02	<b>8355.060.075</b>	<b>8355.060.175</b>
8	65	117	8,0	2	02	<b>8355.065.008</b>	<b>8355.065.108</b>
	70	120	13x50	2	02	<b>8355.070.013</b>	<b>8355.070.113</b>
8,5	65	117	8,5	2	02	<b>8355.065.085</b>	<b>8355.065.185</b>
9	75	125	9,0	2	02	<b>8355.075.009</b>	<b>8355.075.109</b>
10	80	130	13x50	2	02	<b>8355.080.013</b>	<b>8355.080.113</b>
	80	133	10,0	2	02	<b>8355.080.010</b>	<b>8355.080.110</b>
11	90	142	11,0	2	02	<b>8355.090.011</b>	<b>8355.090.111</b>
12	90	140	13x50	2	02	<b>8355.090.013</b>	<b>8355.090.113</b>
	95	151	12,0	2	02	<b>8355.095.012</b>	<b>8355.095.112</b>
14	95	145	13x50	2	02	<b>8355.095.013</b>	<b>8355.095.113</b>
	110	160	14,0	2	02	<b>8355.110.014</b>	<b>8355.110.114</b>
16	100	150	16x50	2	02	<b>8355.100.016</b>	<b>8355.100.116</b>
18	110	160	16x50	2	02	<b>8355.110.016</b>	<b>8355.110.116</b>
20	115	165	16x50	2	02	<b>8355.115.016</b>	<b>8355.115.116</b>
22	120	170	16x50	2	02	<b>8355.120.016</b>	<b>8355.120.116</b>
24	130	180	16x50	2	02	<b>8355.130.016</b>	<b>8355.130.116</b>

**270****ProChipper®**[www.pro-lock.de](http://www.pro-lock.de)

**6373**

## HW Dübellochbohrer "SuperPlus" - Massiv

TC Dowel drill "SuperPlus"- Solid



- Zum Bohren von Sacklöchern. Mit Zentrierspitze und Rundformvorschneidern. Extrem hohe Standzeit durch Micrograin-HM und Anschliff mit Rundformvorschneider
- For drilling dowel holes. With center point and roundspur profile grinding. Super long tool life through Micrograin-TC and round spur profile ground.

Schaft ø 10 mm • Shank ø 10 mm

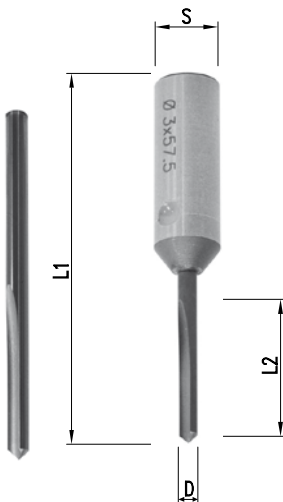
MAN HW

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1= 57,5 mm</b>							
4	27	57,5	10x22	2	02	<b>6373.004.027</b>	<b>6373.004.127</b>
5	27	57,5	10x22	2	02	<b>6373.005.027</b>	<b>6373.005.127</b>
6	27	57,5	10x22	2	02	<b>6373.006.027</b>	<b>6373.006.127</b>
8	27	57,5	10x22	2	02	<b>6373.008.027</b>	<b>6373.008.127</b>
10	27	57,5	10x22	2	02	<b>6373.010.027</b>	<b>6373.010.127</b>
<b>L1= 70 mm</b>							
4	35	70	10x27	2	02	<b>6373.004.035</b>	<b>6373.004.135</b>
5	35	70	10x27	2	02	<b>6373.005.035</b>	<b>6373.005.135</b>
6	35	70	10x27	2	02	<b>6373.006.035</b>	<b>6373.006.135</b>
8	35	70	10x27	2	02	<b>6373.008.035</b>	<b>6373.008.135</b>
10	35	70	10x27	2	02	<b>6373.010.035</b>	<b>6373.010.135</b>

**6359**

## HW Bohrstift - Massiv

TC Boring pin - Solid



- Vollhartmetall-Bohrstift zur Verwendung im Rechts- oder Linkslauf. Zum Bohren von Sack- und Durchgangslöchern. Ausführung mit einer Spannutt und Dachformspitze.
- Solid TC-Drill suitable for left- and righthand operation. For drilling of holes and through holes. Layout with one gullet and flat V-point tip.

VHW-Bohrstift Z=1 R/L • Solid TC boring pin Z=1 R/L

MAN HW

D	L2	L1	S	Z	PG	Art. Nr.
2,5	18	50	2,5	1	02	<b>6359.025.018</b>
3	18	50	3	1	02	<b>6359.003.118</b>
3,5	18	50	3,5	1	02	<b>6359.035.018</b>
4	20	50	4	1	02	<b>6359.004.020</b>
2,5	18	57,5	10	1	02	<b>6359.025.118</b>
3	18	57,5	10	1	02	<b>6359.003.218</b>
3,5	18	57,5	10	1	02	<b>6359.035.118</b>
4	23	57,5	10	1	02	<b>6359.004.023</b>
5	23	57,5	10	1	02	<b>6359.005.023</b>
6	25	57,5	10	1	02	<b>6359.006.025</b>
2,5	18	70	10	1	02	<b>6359.025.218</b>
3	23	70	10	1	02	<b>6359.003.023</b>
3,5	23	70	10	1	02	<b>6359.035.023</b>
4	35	70	10	1	02	<b>6359.004.035</b>
5	43	70	10	1	02	<b>6359.005.043</b>
6	43	70	10	1	02	<b>6359.006.043</b>
8	43	70	10	1	02	<b>6359.008.043</b>

01



02



03



04



05



06



07



08



09

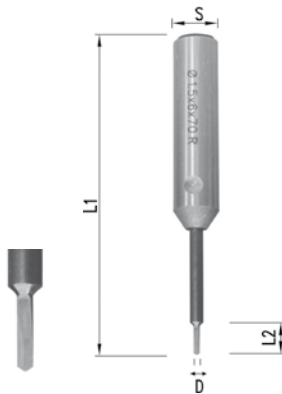


10



11

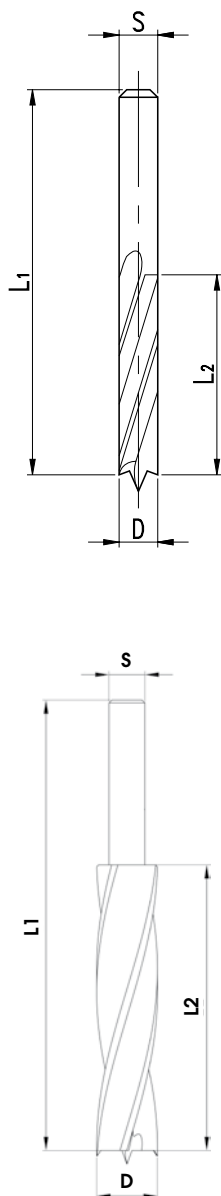


**6385****HW Akustikbohrer - Massiv***TC Acoustic drill - Solid*

- Für die Herstellung von Akustikwänden zur Schalldämmung.  
Mit Spannfläche und Einstellschraube.
- For production of acousticboards for acoustics insulation.  
With clamping flat and adjustment screw.

**VHW-Akustikbohrer Z=1 • Solid TC acoustic drill Z=1****MAN HW**

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
1,2	6,0	70	10x27	1	02	<b>6385.001.006</b>	<b>6385.001.106</b>
1,5	6,0	70	10x27	1	02	<b>6385.002.006</b>	<b>6385.002.106</b>
2	6,0	70	10x27	1	02	<b>6385.002.206</b>	<b>6385.002.306</b>

**3365****HS Spiralbohrer mit Zentrierspitze- Massiv***HS Drill with center point - Solid*

- Zum Bohren von ausrissfreien Sacklöchern. Ausführung mit Zentrierspitze und Vorschneidern.
- For drilling of tear-free holes. Layout with center point and spurs.

**HS-Spiralbohrer Z=2 • HS-Drill Z=2****MAN HS**

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
2	24	49	2,0	2	02	<b>3365.002.024</b>	<b>3365.002.124</b>
2,5	30	57	2,5	2	02	<b>3365.003.030</b>	<b>3365.003.130</b>
3	33	61	3,0	2	02	<b>3365.003.033</b>	<b>3365.003.133</b>
3,5	39	70	3,5	2	02	<b>3365.004.039</b>	<b>3365.004.139</b>
4	43	75	4,0	2	02	<b>3365.004.043</b>	<b>3365.004.143</b>
4,5	47	80	4,5	2	02	<b>3365.005.047</b>	<b>3365.005.147</b>
5	52	86	5,0	2	02	<b>3365.005.052</b>	<b>3365.005.152</b>
5,5	57	93	5,5	2	02	<b>3365.006.057</b>	<b>3365.006.157</b>
6	57	93	6,0	2	02	<b>3365.006.257</b>	<b>3365.006.357</b>
6,5	63	100	6,5	2	02	<b>3365.007.063</b>	<b>3365.007.163</b>
7	69	109	7,0	2	02	<b>3365.007.069</b>	<b>3365.007.169</b>
7,5	69	108	7,5	2	02	<b>3365.008.069</b>	<b>3365.008.169</b>
8	75	117	8,0	2	02	<b>3365.008.075</b>	<b>3365.008.175</b>
8,5	75	115	8,5	2	02	<b>3365.009.075</b>	<b>3365.009.175</b>
9	81	125	9,0	2	02	<b>3365.009.081</b>	<b>3365.009.181</b>
9,5	81	125	9,5	2	02	<b>3365.010.081</b>	<b>3365.010.181</b>
10	87	133	10,0	2	02	<b>3365.010.087</b>	<b>3365.010.187</b>
10,5	87	130	10,5	2	02	<b>3365.011.087</b>	<b>3365.011.187</b>
11	94	140	11,0	2	02	<b>3365.011.094</b>	<b>3365.011.194</b>
11,5	94	140	11,5	2	02	<b>3365.012.094</b>	<b>3365.012.194</b>
12	101	150	12,0	2	02	<b>3365.012.101</b>	<b>3365.012.201</b>
13	101	150	13,0	2	02	<b>3365.013.101</b>	<b>3365.013.201</b>
14	108	160	13,0	2	02	<b>3365.014.108</b>	<b>3365.014.208</b>
15	114	168	13,0	2	02	<b>3365.015.114</b>	<b>3365.015.214</b>
16	120	176	13,0	2	02	<b>3365.016.120</b>	<b>3365.016.220</b>
18	130	190	13,0	2	02	<b>3365.018.130</b>	<b>3365.018.230</b>
20	140	210	13,0	2	02	<b>3365.020.140</b>	<b>3365.020.240</b>
<b>Lange Ausführung • Long type</b>							
5	180	250	5,0	2	02	<b>3365.005.180</b>	
6	180	250	6,0	2	02	<b>3365.006.180</b>	
8	180	250	8,0	2	02	<b>3365.008.180</b>	
10	180	250	10,0	2	02	<b>3365.010.180</b>	
12	180	250	12,0	2	02	<b>3365.012.180</b>	
13	180	250	13,0	2	02	<b>3365.013.180</b>	
14	180	250	13,0	2	02	<b>3365.014.180</b>	
16	180	250	13,0	2	02	<b>3365.016.180</b>	

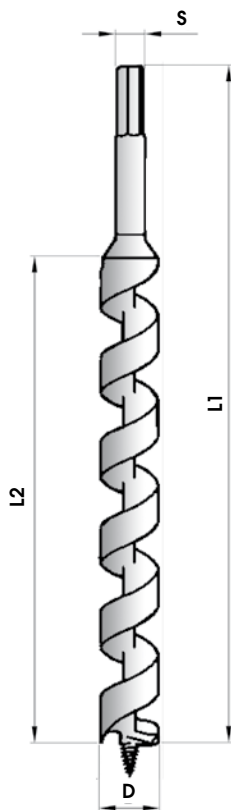
**272****ProChipper®**

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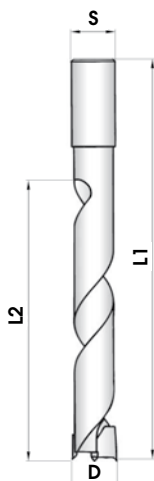


**3463****WS-Schlangenbohrer Typ Lewis - Massiv**  
*WS Drill type Lewis - Solid*

- Lewisbohrer mit Gewindezentrierspitze und Vorschneider zum Bohren sehr tiefer Bohrungen.
- *Lewis-type drill with thread center point and spur. For drilling very deep holes.*

**WS-Lewisbohrer • WS Drill type Lewis****MAN HS**

D	L2	L1	S	Z	PG	Art. Nr. RH
<b>L1 = 230 mm</b>						
4	160	230	3,5	1	02	<b>3463.004.160</b>
6	160	230	5,5	1	02	<b>3463.006.160</b>
8	160	230	7,5	1	02	<b>3463.008.160</b>
10	160	230	6 kt.	1	02	<b>3463.010.160</b>
11	160	230	6 kt.	1	02	<b>3463.011.160</b>
12	160	230	6 kt.	1	02	<b>3463.012.160</b>
14	160	230	6 kt.	1	02	<b>3463.014.160</b>
16	160	230	6 kt.	1	02	<b>3463.016.160</b>
18	160	230	6 kt.	1	02	<b>3463.018.160</b>
20	160	230	6 kt.	1	02	<b>3463.020.160</b>
22	160	230	6 kt.	1	02	<b>3463.022.160</b>
24	160	230	6 kt.	1	02	<b>3463.024.160</b>
26	160	230	6 kt.	1	02	<b>3463.026.160</b>
28	160	230	6 kt.	1	02	<b>3463.028.160</b>
30	160	230	6 kt.	1	02	<b>3463.030.160</b>
32	160	230	6 kt.	1	02	<b>3463.032.160</b>
34	160	230	6 kt.	1	02	<b>3463.034.160</b>
36	160	230	6 kt.	1	02	<b>3463.036.160</b>
38	160	230	6 kt.	1	02	<b>3463.038.160</b>
40	160	230	6 kt.	1	02	<b>3463.040.160</b>
<b>L1 = 460 mm</b>						
6	380	460	5,5	1	02	<b>3463.006.380</b>
8	380	460	7,5	1	02	<b>3463.008.380</b>
10	380	460	6 kt.	1	02	<b>3463.010.380</b>
12	380	460	6 kt.	1	02	<b>3463.012.380</b>
14	380	460	6 kt.	1	02	<b>3463.014.380</b>
16	380	460	6 kt.	1	02	<b>3463.016.380</b>
18	380	460	6 kt.	1	02	<b>3463.018.380</b>
20	380	460	6 kt.	1	02	<b>3463.020.380</b>
22	380	460	6 kt.	1	02	<b>3463.022.380</b>
24	380	460	6 kt.	1	02	<b>3463.024.380</b>
26	380	460	6 kt.	1	02	<b>3463.026.380</b>
28	380	460	6 kt.	1	02	<b>3463.028.380</b>
30	380	460	6 kt.	1	02	<b>3463.030.380</b>
32	380	460	6 kt.	1	02	<b>3463.032.380</b>
34	380	460	6 kt.	1	02	<b>3463.034.380</b>
36	380	460	6 kt.	1	02	<b>3463.036.380</b>
38	380	460	6 kt.	1	02	<b>3463.038.380</b>
40	380	460	6 kt.	1	02	<b>3463.040.380</b>

**8365****HW Tieflochbohrer mit einer Spiralnute - Festbestückt**  
*TC Deephole drill with single spiral flute - Tipped*

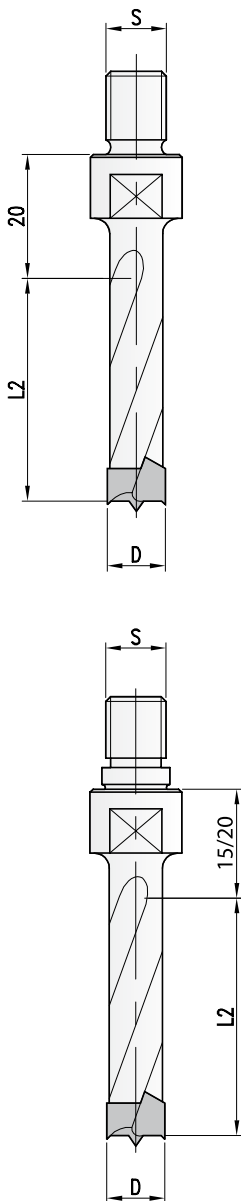
- Zum Bohren sehr tiefer Bohrungen. Hartmetallbestückte Ausführung mit Zentrierspitze und Vorschneidern.
- *For drilling very deep holes. Tungsten carbide tipped version with center point and spur.*

**HW Tieflochbohrer Z=1 • TC Deephole drill long version Z=1****MAN HS**

D	L2	L1	S	Z	PG	Art. Nr. RH
10	100	150	13	1	02	<b>8365.010.100</b>
12	110	160	13	1	02	<b>8365.012.110</b>
14	130	180	13	1	02	<b>8365.014.130</b>
16	160	200	16	1	02	<b>8365.016.160</b>
18	170	220	16	1	02	<b>8365.018.170</b>
20	170	220	16	1	02	<b>8365.020.170</b>
22	170	220	16	1	02	<b>8365.022.170</b>
24	170	220	16	1	02	<b>8365.024.170</b>



- Zum Bohren von Sacklöchern. Mit Zentrierspitze und Vorschneidergeometrie. Gewindeschaft zur direkten, stabilen Einspannung in die Bohrspindeln.
- For drilling dowel holes. With center-point and spur geometry. Threaded shank for direct mounting in the drilling spindles.
- Gewindeschaft M8 für Nottmeier
- Gewindeschaft M8 mit Paßsitz für SCM
- Gewindeschaft M10 für Tornegge, Ayen, Mayer
- Gewindeschaft M10 mit Paßsitz für Blesse, Weeke, Morbidelli
- Threaded shank M8 for Nottmeier
- Threaded shank M8 with seating for SCM
- Threaded shank M10 for Tornegge, Ayen, Mayer
- Threaded shank M10 with seating for Blesse, Weeke, Morbidelli



- Alle Abmessungen auch aus gehärtetem Werkzeugstahl verfügbar

### Schaft ø M8 bzw. M10 • Shank ø M8 or M10

MAN HW

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1 = 63 mm (M8)</b>							
5	43	63	M8	2	02	8368.005.043	8368.005.143
6	43	63	M8	2	02	8368.006.043	8368.006.143
8	43	63	M8	2	02	8368.008.043	8368.008.143
10	43	63	M8	2	02	8368.010.043	8368.010.143
12	43	63	M8	2	02	8368.012.043	8368.012.143
14	43	63	M8	2	02	8368.014.043	8368.014.143
16	43	63	M8	2	02	8368.016.043	8368.016.143
<b>L1 = 80 mm (M8)</b>							
5	60	80	M8	2	02	8368.005.060	8368.005.160
6	60	80	M8	2	02	8368.006.060	8368.006.160
8	60	80	M8	2	02	8368.008.060	8368.008.160
10	60	80	M8	2	02	8368.010.060	8368.010.160
12	60	80	M8	2	02	8368.012.060	8368.012.160
14	60	80	M8	2	02	8368.014.060	8368.014.160
16	60	80	M8	2	02	8368.016.060	8368.016.160
<b>L1 = 63 mm (M10)</b>							
5	43	63	M10	2	02	8368.005.243	8368.005.343
6	43	63	M10	2	02	8368.006.243	8368.006.343
8	43	63	M10	2	02	8368.008.243	8368.008.343
10	43	63	M10	2	02	8368.010.243	8368.010.343
12	43	63	M10	2	02	8368.012.243	8368.012.343
14	43	63	M10	2	02	8368.014.243	8368.014.343
16	43	63	M10	2	02	8368.016.243	8368.016.343
<b>L1 = 80 mm (M10)</b>							
5	60	80	M10	2	02	8368.005.260	8368.005.360
6	60	80	M10	2	02	8368.006.260	8368.006.360
8	60	80	M10	2	02	8368.008.260	8368.008.360
10	60	80	M10	2	02	8368.010.260	8368.010.360
12	60	80	M10	2	02	8368.012.260	8368.012.360
14	60	80	M10	2	02	8368.014.260	8368.014.360
16	60	80	M10	2	02	8368.016.260	8368.016.360

### Schaft ø M8/9 bzw. M10/11 • Shank ø M8/9 or M10/11

MAN HW

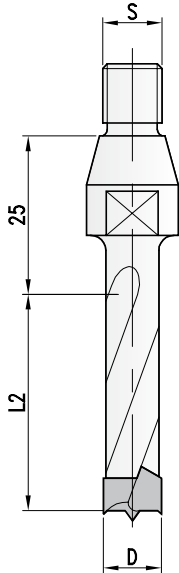
D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1 = 63 mm (M8/9)</b>							
5	43	63	M8/9	2	02	8368.005.443	8368.005.543
6	43	63	M8/9	2	02	8368.006.443	8368.006.543
8	43	63	M8/9	2	02	8368.008.443	8368.008.543
10	43	63	M8/9	2	02	8368.010.443	8368.010.543
12	43	63	M8/9	2	02	8368.012.443	8368.012.543
14	43	63	M8/9	2	02	8368.014.443	8368.014.543
16	43	63	M8/9	2	02	8368.016.443	8368.016.543
<b>L1 = 75 mm (M8/9)</b>							
5	60	75	M8/9	2	02	8368.005.460	8368.005.560
6	60	75	M8/9	2	02	8368.006.460	8368.006.560
8	60	75	M8/9	2	02	8368.008.460	8368.008.560
10	60	75	M8/9	2	02	8368.010.460	8368.010.560
12	60	75	M8/9	2	02	8368.012.460	8368.012.560
14	60	75	M8/9	2	02	8368.014.460	8368.014.560
16	60	75	M8/9	2	02	8368.016.460	8368.016.560
<b>L1 = 63 mm (M10/11)</b>							
5	43	63	M10/11	2	02	8368.005.643	8368.005.743
6	43	63	M10/11	2	02	8368.006.643	8368.006.743
8	43	63	M10/11	2	02	8368.008.643	8368.008.743
10	43	63	M10/11	2	02	8368.010.643	8368.010.743
12	43	63	M10/11	2	02	8368.012.643	8368.012.743
14	43	63	M10/11	2	02	8368.014.643	8368.014.743
16	43	63	M10/11	2	02	8368.016.643	8368.016.743
<b>L1 = 75 mm (M10/11)</b>							
5	60	75	M10/11	2	02	8368.005.660	8368.005.760
6	60	75	M10/11	2	02	8368.006.660	8368.006.760
8	60	75	M10/11	2	02	8368.008.660	8368.008.760
10	60	75	M10/11	2	02	8368.010.660	8368.010.760
12	60	75	M10/11	2	02	8368.012.660	8368.012.760
14	60	75	M10/11	2	02	8368.014.660	8368.014.760
16	60	75	M10/11	2	02	8368.016.660	8368.016.760

**8388**

## HW Dübellochbohrer mit Kegel und Gewindeschaft - Festbestückt

TC Dowel drill with cone and threaded shank - Tipped

- Zum Bohren von Sacklöchern. Mit Zentrierspitze und Vorschneidengeometrie. Gewindeschaft M10 mit Kegel für Alberti, Vitap, Busellato.
- For drilling dowel holes. With center-point and spur geometry. Threaded shank M10 with cone for Alberti, Vitap, Busellato.



### Schaft ø M10 mit Kegel • Shank ø M10 with cone

MAN HW

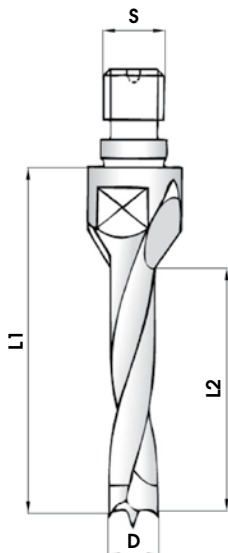
D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1 = 56 mm</b>							
5	30	56	M10	2	02	8388.005.030	8388.005.130
6	30	56	M10	2	02	8388.006.030	8388.006.130
8	30	56	M10	2	02	8388.008.030	8388.008.130
10	30	56	M10	2	02	8388.010.030	8388.010.130
12	30	56	M10	2	02	8388.012.030	8388.012.130
14	30	56	M10	2	02	8388.014.030	8388.014.130
16	30	56	M10	2	02	8388.016.030	8388.016.130
<b>L1 = 66 mm</b>							
5	40	66	M10	2	02	8388.005.040	8388.005.140
6	40	66	M10	2	02	8388.006.040	8388.006.140
8	40	66	M10	2	02	8388.008.040	8388.008.140
10	40	66	M10	2	02	8388.010.040	8388.010.140
12	40	66	M10	2	02	8388.012.040	8388.012.140
14	40	66	M10	2	02	8388.014.040	8388.014.140
16	40	66	M10	2	02	8388.016.040	8388.016.140
<b>L1 = 76 mm</b>							
5	50	76	M10	2	02	8388.005.050	8388.005.150
6	50	76	M10	2	02	8388.006.050	8388.006.150
8	50	76	M10	2	02	8388.008.050	8388.008.150
10	50	76	M10	2	02	8388.010.050	8388.010.150
12	50	76	M10	2	02	8388.012.050	8388.012.150
14	50	76	M10	2	02	8388.014.050	8388.014.150
16	50	76	M10	2	02	8388.016.050	8388.016.150

**8398**

## HW Dübellochbohrer mit Senkstufe und Gewindeschaft - Festbestückt

TC Dowel drill with countersink and threaded shank - Tipped

- Zum Bohren von Sacklöchern bei gleichzeitigem Ansenken des Lochrands. Gewindeschaft M10 mit Paßsitz für Biesse, Weeke, Morbidelli.
- For drilling dowel holes and countersinking in one step. Threaded shank M10 with seating for Biesse, Weeke, Morbidelli.



### Schaft ø M10/11 • Shank ø M10/11

MAN HW

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1 = 47 mm</b>							
5	30	47	M10/11	2	02	8398.005.030	8398.005.130
6	30	47	M10/11	2	02	8398.006.030	8398.006.130
8	30	47	M10/11	2	02	8398.008.030	8398.008.130
10	30	47	M10/11	2	02	8398.010.030	8398.010.130
12	30	47	M10/11	2	02	8398.012.030	8398.012.130
14	30	47	M10/11	2	02	8398.014.030	8398.014.130
16	30	47	M10/11	2	02	8398.016.030	8398.016.130
<b>L1 = 57 mm</b>							
5	40	57	M10/11	2	02	8398.005.040	8398.005.140
6	40	57	M10/11	2	02	8398.006.040	8398.006.140
8	40	57	M10/11	2	02	8398.008.040	8398.008.140
10	40	57	M10/11	2	02	8398.010.040	8398.010.140
12	40	57	M10/11	2	02	8398.012.040	8398.012.140
14	40	57	M10/11	2	02	8398.014.040	8398.014.140
16	40	57	M10/11	2	02	8398.016.040	8398.016.140
<b>L1 = 67 mm</b>							
5	50	67	M10/11	2	02	8398.005.050	8398.005.150
6	50	67	M10/11	2	02	8398.006.050	8398.006.150
8	50	67	M10/11	2	02	8398.008.050	8398.008.150
10	50	67	M10/11	2	02	8398.010.050	8398.010.150
12	50	67	M10/11	2	02	8398.012.050	8398.012.150
14	50	67	M10/11	2	02	8398.014.050	8398.014.150
16	50	67	M10/11	2	02	8398.016.050	8398.016.150

01



02



03



04



05



06



07



08



09



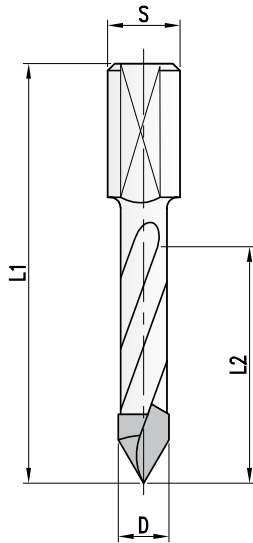
10



11



- Zum Bohren ausrissfreier Durchgangslöcher. Gefaster Dachformanschlift für bestmögliche Lochrandqualität auf der Austrittsseite.
- For drilling of tear-free through holes. Bevelled V-point ground for maximum quality on hole exit side.



### Schaft $\varnothing$ 8 mm • Shank $\varnothing$ 8 mm

MAN HW

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1 = 55,5 mm</b>							
5	30	55,5	8x20	2	02	<b>8353.005.030</b>	<b>8353.005.130</b>
6	30	55,5	8x20	2	02	<b>8353.006.030</b>	<b>8353.006.130</b>
8	30	55,5	8x20	2	02	<b>8353.008.030</b>	<b>8353.008.130</b>
10	30	55,5	8x20	2	02	<b>8353.010.030</b>	<b>8353.010.130</b>
12	30	55,5	8x20	2	02	<b>8353.012.030</b>	<b>8353.012.130</b>
<b>L1 = 67 mm</b>							
5	40	67	8x20	2	02	<b>8353.005.040</b>	<b>8353.005.140</b>
6	40	67	8x20	2	02	<b>8353.006.040</b>	<b>8353.006.140</b>
7	40	67	8x20	2	02	<b>8353.007.040</b>	<b>8353.007.140</b>
8	40	67	8x20	2	02	<b>8353.008.040</b>	<b>8353.008.140</b>
10	40	67	8x20	2	02	<b>8353.010.040</b>	<b>8353.010.140</b>
12	40	67	8x20	2	02	<b>8353.012.040</b>	<b>8353.012.140</b>

### Schaft $\varnothing$ 10 mm • Shank $\varnothing$ 10 mm

MAN HW

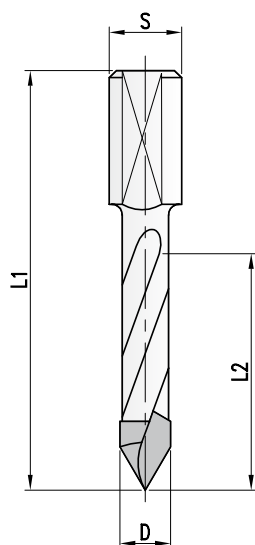
D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1 = 57,5 mm</b>							
5	27	57,5	10x27	2	02	<b>8353.005.027</b>	<b>8353.005.127</b>
6	27	57,5	10x27	2	02	<b>8353.006.027</b>	<b>8353.006.127</b>
7	27	57,5	10x27	2	02	<b>8353.007.027</b>	<b>8353.007.127</b>
8	27	57,5	10x27	2	02	<b>8353.008.027</b>	<b>8353.008.127</b>
10	27	57,5	10x27	2	02	<b>8353.010.027</b>	<b>8353.010.127</b>
12	27	57,5	10x27	2	02	<b>8353.012.027</b>	<b>8353.012.127</b>
<b>L1 = 70 mm</b>							
5	35	70	10x30	2	02	<b>8353.005.035</b>	<b>8353.005.135</b>
6	35	70	10x30	2	02	<b>8353.006.035</b>	<b>8353.006.135</b>
7	35	70	10x30	2	02	<b>8353.007.035</b>	<b>8353.007.135</b>
8	35	70	10x30	2	02	<b>8353.008.035</b>	<b>8353.008.135</b>
10	35	70	10x30	2	02	<b>8353.010.035</b>	<b>8353.010.135</b>
12	35	70	10x30	2	02	<b>8353.012.035</b>	<b>8353.012.135</b>
<b>L1 = 77 mm</b>							
5	44	77	10x30	2	02	<b>8353.005.044</b>	<b>8353.005.144</b>
6	44	77	10x30	2	02	<b>8353.006.044</b>	<b>8353.006.144</b>
7	44	77	10x30	2	02	<b>8353.007.044</b>	<b>8353.007.144</b>
8	44	77	10x30	2	02	<b>8353.008.044</b>	<b>8353.008.144</b>
10	44	77	10x30	2	02	<b>8353.010.044</b>	<b>8353.010.144</b>
12	44	77	10x30	2	02	<b>8353.012.044</b>	<b>8353.012.144</b>
<b>L1 = 85 mm</b>							
5	45	85	10x35	2	02	<b>8353.005.045</b>	<b>8353.005.145</b>
6	45	85	10x35	2	02	<b>8353.006.045</b>	<b>8353.006.145</b>
8	45	85	10x35	2	02	<b>8353.008.045</b>	<b>8353.008.145</b>
10	45	85	10x35	2	02	<b>8353.010.045</b>	<b>8353.010.145</b>
12	45	85	10x35	2	02	<b>8353.012.045</b>	<b>8353.012.145</b>
<b>L1 = 115 mm</b>							
5	65	115	10x35	2	02	<b>8353.005.065</b>	<b>8353.005.165</b>
6	65	115	10x35	2	02	<b>8353.006.065</b>	<b>8353.006.165</b>
8	65	115	10x35	2	02	<b>8353.008.065</b>	<b>8353.008.165</b>
10	65	115	10x35	2	02	<b>8353.010.065</b>	<b>8353.010.165</b>
12	65	115	10x35	2	02	<b>8353.012.065</b>	<b>8353.012.165</b>

**8353**

## HW Durchgangslochbohrer mit Rückenführung - Festbestückt

### TC Through-hole drill with back guide - Tipped

- Zum Bohren ausrissfreier Durchgangslöcher. Gefaster Dachformanschiff für bestmögliche Lochrandqualität auf der Austrittsseite. Kombinierbar mit Aufstecksenker.
- For drilling of tear-free through holes. Bevelled V-point ground for maximum quality on hole exit side. Can be combined with loose countersink.



#### Schaft ø 10 mm mit Rückenführung • Shank ø 10 mm with back guide

**MAN HW**

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1 = 57,5 mm</b>							
5	27	57,5	10x20	2	02	<b>8353.105.027</b>	<b>8353.105.127</b>
6	27	57,5	10x20	2	02	<b>8353.106.027</b>	<b>8353.106.127</b>
7	27	57,5	10x20	2	02	<b>8353.107.027</b>	<b>8353.107.127</b>
8	27	57,5	10x20	2	02	<b>8353.108.027</b>	<b>8353.108.127</b>
10	27	57,5	10x20	2	02	<b>8353.110.027</b>	<b>8353.110.127</b>
12	27	57,5	10x20	2	02	<b>8353.112.027</b>	<b>8353.112.127</b>
<b>L1 = 70 mm</b>							
5	35	70	10x20	2	02	<b>8353.105.035</b>	<b>8353.105.135</b>
6	35	70	10x20	2	02	<b>8353.106.035</b>	<b>8353.106.135</b>
7	35	70	10x20	2	02	<b>8353.107.035</b>	<b>8353.107.135</b>
8	35	70	10x20	2	02	<b>8353.108.035</b>	<b>8353.108.135</b>
10	35	70	10x20	2	02	<b>8353.110.035</b>	<b>8353.110.135</b>
12	35	70	10x20	2	02	<b>8353.112.035</b>	<b>8353.112.135</b>

#### Ersatzteile • Spare parts

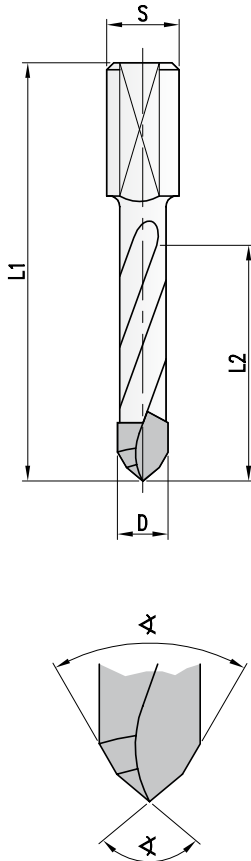
	Dim.	PG	Art. Nr.
Einstellschraube • Adjusting Screw	M5x10	02	<b>705.103</b>
SS-Einstellschraube • SS-Adjusting Screw	M5x17	02	<b>705.180</b>

- 01  Säge
- 02  Zerspanen
- 03  Hobeln/Fräsen
- 04  Profilfräsen
- 05  Nur- und Federfräsen
- 06  Oberfräsen
- 07  Bohren
- 08  PKD-Werkzeuge
- 09  Spannen
- 10  Ersatzteile
- 11  Informationen

**8333**

## HW Durchgangslochbohrer "Super Plus" - Festbestückt

TC Through-hole drill "Super Plus" - Tipped



- Zum Bohren ausrissfreier Durchgangslöcher. Gefaster Dachformanschlift für bestmögliche Lochrandqualität auf der Austrittsseite. Doppelfase-Anschliff für verbesserte Lochrandqualität beim Bohren spröder Deckschichten. Hohe Standzeiten durch Micrograin-HM Bestückung.
- For drilling of tear-free through holes. Bevelled V-point ground for maximum quality on hole exit side. Double bevelled inverted V-Point ground for better finishing of fragil coated materials. Increased tool life with micrograin TC head.

### Schaft ø 10 mm • Shank ø 10 mm

MAN HW

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1= 57,5 mm</b>							
5	33	57,5	10x27	2	02	<b>8333.005.033</b>	<b>8333.005.133</b>
6	33	57,5	10x27	2	02	<b>8333.006.033</b>	<b>8333.006.133</b>
8	33	57,5	10x27	2	02	<b>8333.008.033</b>	<b>8333.008.133</b>
10	33	57,5	10x27	2	02	<b>8333.010.033</b>	<b>8333.010.133</b>
12	33	57,5	10x27	2	02	<b>8333.012.033</b>	<b>8333.012.133</b>
<b>L1= 70 mm</b>							
5	35	70	10x30	2	02	<b>8333.005.035</b>	<b>8333.005.135</b>
6	35	70	10x30	2	02	<b>8333.006.035</b>	<b>8333.006.135</b>
8	35	70	10x30	2	02	<b>8333.008.035</b>	<b>8333.008.135</b>
10	35	70	10x30	2	02	<b>8333.010.035</b>	<b>8333.010.135</b>
12	35	70	10x30	2	02	<b>8333.012.035</b>	<b>8333.012.135</b>

### Ersatzteile • Spare parts

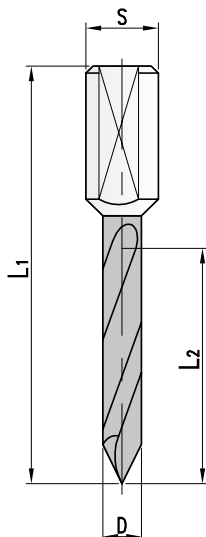
	Dim.	PG	Art. Nr.
Einstellschraube • Adjusting Screw	M5x10	02	<b>705.103</b>
SS-Einstellschraube • SS-Adjusting Screw	M5x17	02	<b>705.180</b>

**6383**

## HW Durchgangslochbohrer - Massiv

TC Through-hole drill - Solid

- Zum Bohren ausrissfreier Durchgangslöcher. Gefaster Dachformanschlift für bestmögliche Lochrandqualität auf der Austrittsseite.
- For drilling of tear-free through holes. Bevelled V-point ground for maximum quality on hole exit side.



### Schaft ø 10 mm • Shank ø 10 mm

MAN HW

D	L2	L1	S	Z	PG	Art. Nr. RH	Art. Nr. LH
<b>L1= 57,5 mm</b>							
3	27	57,5	10x24	2	02	<b>6383.003.027</b>	<b>6383.003.127</b>
4	27	57,5	10x24	2	02	<b>6383.004.027</b>	<b>6383.004.127</b>
5	27	57,5	10x24	2	02	<b>6383.005.027</b>	<b>6383.005.127</b>
6	27	57,5	10x24	2	02	<b>6383.006.027</b>	<b>6383.006.127</b>
8	27	57,5	10x24	2	02	<b>6383.008.027</b>	<b>6383.008.127</b>
10	27	57,5	10x24	2	02	<b>6383.010.027</b>	<b>6383.010.127</b>
<b>L1= 70 mm</b>							
4	35	70	10x24	2	02	<b>6383.004.035</b>	<b>6383.004.135</b>
5	35	70	10x24	2	02	<b>6383.005.035</b>	<b>6383.005.135</b>
6	35	70	10x24	2	02	<b>6383.006.035</b>	<b>6383.006.135</b>
8	35	70	10x24	2	02	<b>6383.008.035</b>	<b>6383.008.135</b>
10	35	70	10x24	2	02	<b>6383.010.035</b>	<b>6383.010.135</b>

### Ersatzteile • Spare parts

	Dim.	PG	Art. Nr.
Einstellschraube • Adjusting Screw	M5x10	02	<b>705.103</b>
SS-Einstellschraube • SS-Adjusting Screw	M5x17	02	<b>705.180</b>

**278****ProChipper®**

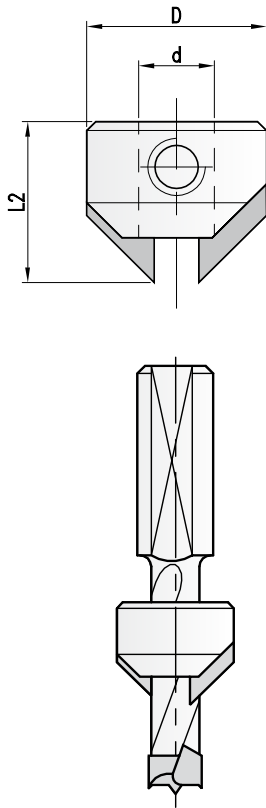
www.pro-lock.de

**8850**

## HW Aufstecksenker 45° - Festbestückt

TC Loose countersink 45° - Tipped

- Zur Befestigung an der Spirale am Bohrer mit Rückenführung.
- To clamp onto the spiral at drills with back-guide.



### Für Bohrer mit Rückenführung • For drills with back-guide

**MAN HW**

d	D	L2	Z	PG	Art. Nr. RH	Art. Nr. LH
4	16	16,5	2	02	<b>8850.016.004</b>	<b>8850.016.104</b>
5	16	16,5	2	02	<b>8850.016.005</b>	<b>8850.016.105</b>
6	16	16,5	2	02	<b>8850.016.006</b>	<b>8850.016.106</b>
7	16	16,5	2	02	<b>8850.016.007</b>	<b>8850.016.107</b>
8	18	16,5	2	02	<b>8850.018.008</b>	<b>8850.018.108</b>
9	18	16,5	2	02	<b>8850.018.009</b>	<b>8850.018.109</b>
10	20	16,5	2	02	<b>8850.020.010</b>	<b>8850.020.110</b>
11	20	16,5	2	02	<b>8850.020.011</b>	<b>8850.020.111</b>
12	20	16,5	2	02	<b>8850.020.012</b>	<b>8850.020.112</b>

### Ersatzteile • Spare parts

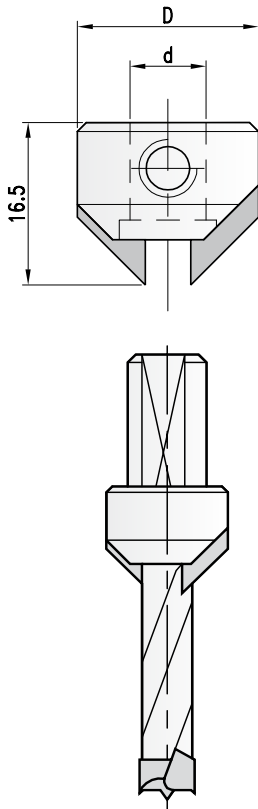
	Dim.	PG	Art. Nr.
Gewindestift • Screw	M5x5	02	<b>705.102</b>
Sechskantschlüssel • Wrench	SW2,5	02	<b>706.152</b>

**8870**

## HW Aufstecksenker 45° - Festbestückt

TC Loose countersink 45° - Tipped

- Zur Befestigung am Schaft
- Clamping on shank



### Für Befestigung am Schaft • To clamp on shank

**MAN HW**

d	D	Ø	Z	PG	Art. Nr. RH	Art. Nr. LH	
10	20	16,5	5-10	2	02	<b>8870.020.010</b>	<b>8870.020.110</b>
10	22	16,5	11-12	2	02	<b>8870.022.010</b>	<b>8870.022.110</b>

Ø - für Bohrer- Nenndurchmesser. • Ø - for boring bit diameter

### Ersatzteile • Spare parts

	Dim.	PG	Art. Nr.
Gewindestift • Screw	M5x5	02	<b>705.102</b>
Sechskantschlüssel • Wrench	SW2,5	02	<b>706.152</b>

01



Sägen

02



Zerspanen

03



Hobeln/Fräsen

04



Profilfräsen

05



Nur- und Federfräsen

06



Oberfräsen

07



Bohren

08



PKD-Werkzeuge

09



Spannen

10



Ersatzteile

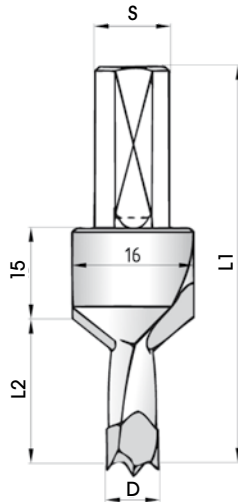
11



Informationen

**8235****HW Bohrsenker für Sacklöcher - Festbestückt***TC doweldrill with countersink - Tipped*

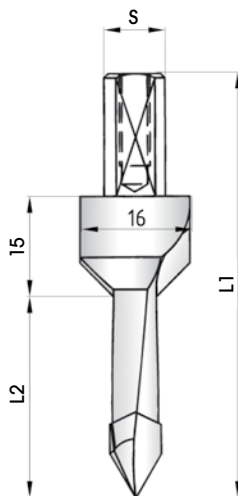
- Zum Bohren von Sacklöchern bei gleichzeitigem Ansenken des Lochrands. Einteilige Ausführung.
- *For drilling dowel holes and countersinking in one step. One-piece version.*

**Schaft ø 10 mm • Shank ø 10 mm****MAN HW**

D	L2	L1	S	PG	Art. Nr. RH
5	20	70	10	02	<b>8235.005.020</b>
5	25	70	10	02	<b>8235.005.025</b>
5	30	70	10	02	<b>8235.005.030</b>
6	20	70	10	02	<b>8235.006.020</b>
6	25	70	10	02	<b>8235.006.025</b>
6	30	70	10	02	<b>8235.006.030</b>
8	20	70	10	02	<b>8235.008.020</b>
8	25	70	10	02	<b>8235.008.025</b>
8	30	70	10	02	<b>8235.008.030</b>
10	20	70	10	02	<b>8235.010.020</b>
10	25	70	10	02	<b>8235.010.025</b>
10	30	70	10	02	<b>8235.010.030</b>
12	20	70	10	02	<b>8235.012.020</b>
12	25	70	10	02	<b>8235.012.025</b>
12	30	70	10	02	<b>8235.012.030</b>
14	20	70	10	02	<b>8235.014.020</b>
14	25	70	10	02	<b>8235.014.025</b>
14	30	70	10	02	<b>8235.014.030</b>
16	20	70	10	02	<b>8235.016.020</b>
16	25	70	10	02	<b>8235.016.025</b>
16	30	70	10	02	<b>8235.016.030</b>

**8275****HW Bohrsenker für Durchgangslöcher***TC through-hole drill with countersink*

- Zum Durchbohren bei gleichzeitigem Ansenken des Lochrands. Einteilige Ausführung.
- *For through hole drilling and countersinking in one step. One-piece version.*

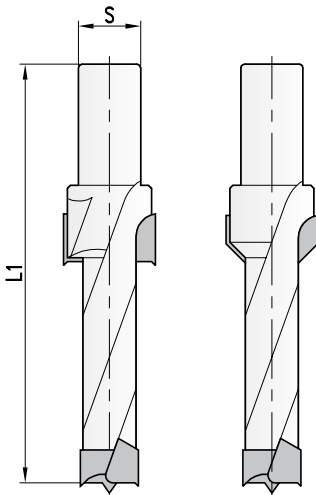
**Schaft ø 10 mm • Shank ø 10 mm****MAN HW**

D	L2	L1	S	PG	Art. Nr. RH
5	20	70	10	02	<b>8275.005.020</b>
5	25	70	10	02	<b>8275.005.025</b>
5	30	70	10	02	<b>8275.005.030</b>
6	20	70	10	02	<b>8275.006.020</b>
6	25	70	10	02	<b>8275.006.025</b>
6	30	70	10	02	<b>8275.006.030</b>
8	20	70	10	02	<b>8275.008.020</b>
8	25	70	10	02	<b>8275.008.025</b>
8	30	70	10	02	<b>8275.008.030</b>
10	20	70	10	02	<b>8275.010.020</b>
10	25	70	10	02	<b>8275.010.025</b>
10	30	70	10	02	<b>8275.010.030</b>
12	20	70	10	02	<b>8275.012.020</b>
12	25	70	10	02	<b>8275.012.025</b>
12	30	70	10	02	<b>8275.012.030</b>
14	20	70	10	02	<b>8275.014.020</b>
14	25	70	10	02	<b>8275.014.025</b>
14	30	70	10	02	<b>8275.014.030</b>
16	20	70	10	02	<b>8275.016.020</b>
16	25	70	10	02	<b>8275.016.025</b>
16	30	70	10	02	<b>8275.016.030</b>



**8113****HW/HS Stufenbohrer in Anfertigung - Festbestückt**

TC/HS Solid counterbore special design - Tipped

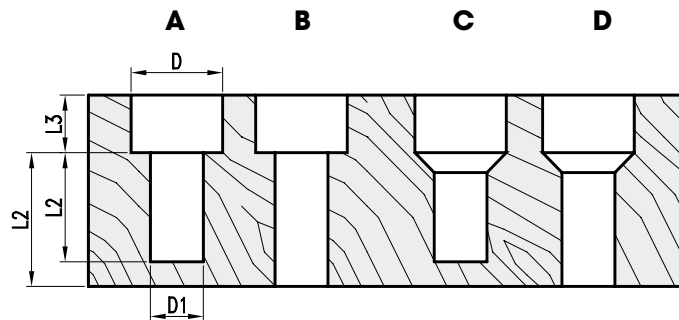
**Sonderanfertigung • Special design****MAN HW HS**

D	L1	S	PG	Art. Nr.
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3-30	50-130	•	02	<b>8113.003.050</b>
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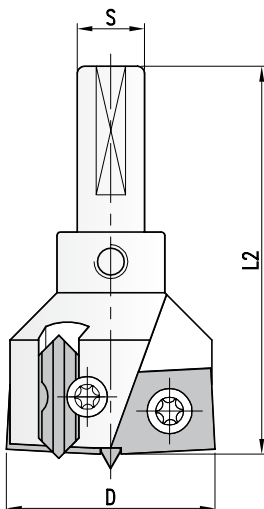
- Auf Anfrage
- Bestellangaben: Ausführung (A-D), Maßangaben, gewünschter Schneidstoff
- Under request.
- When ordering please state rotation, different dimensions according to the drawing and type of work.

## Ausführung der Stufenbohrung • Type of work

**4163****HW Zylinderkopfbohrer - Wechselmesser**

TC Hinge boring bit - Reversible knife

- Zum Bohren von Beschlag- und Topfbandbohrungen. Vorschneider, Räumer und Zentrierspitze als Wechselmesser ausgeführt.
- For drilling hinge holes. Spurs, raker and center point replaceable.

**Z=2 V=2 Schaft ø 10 • Z=2 V=2 Shank ø 10****MAN HW**

D	L2	L1	S	Z	V	PG	Art. Nr. RH	Art. Nr. LH
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**L1 = 57,5 mm**

25	55,5	57,5	10x26	2	2	02	<b>4163.025.058</b>	<b>4163.025.158</b>
26	55,5	57,5	10x26	2	2	02	<b>4163.026.058</b>	<b>4163.026.158</b>
30	55,5	57,5	10x26	2	2	02	<b>4163.030.058</b>	<b>4163.030.158</b>
35	55,5	57,5	10x26	2	2	02	<b>4163.035.058</b>	<b>4163.035.158</b>

**L1 = 70 mm**

25	55,5	70	10x26	2	2	02	<b>4163.025.070</b>	<b>4163.025.170</b>
26	55,5	70	10x26	2	2	02	<b>4163.026.070</b>	<b>4163.026.170</b>
30	55,5	70	10x26	2	2	02	<b>4163.030.070</b>	<b>4163.030.170</b>
35	55,5	70	10x26	2	2	02	<b>4163.035.070</b>	<b>4163.035.170</b>

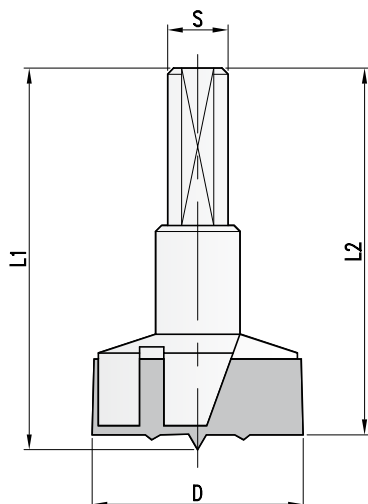
**Wechselmesser/Ersatzteile • Reversible knives/Spare parts**

	D	Dim.	PG	Art. Nr.
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Wechselmesser • Reversible knife	25	10,5x12x1,5	02	<b>750.200</b>
	26	11x12x1,5	02	<b>750.209</b>
	30	13x12x1,5	02	<b>750.202</b>
	35	15,7x12x1,5	02	<b>750.203</b>
Schraube • Screw		M3,5x5	02	<b>705.352</b>
		M3,5x6,5	02	<b>705.350</b>
Vorschneider • Spur		18x6x3,5	02	<b>795.102</b>
Schraube • Screw		M3,5x6	02	<b>705.312.06</b>
Zentrierspitze • Center point		Ø3x33,5	02	<b>795.101</b>
Gewindestift • Screw		M6x6	02	<b>705.583</b>
Einstellschraube • Adjusting Screw		M5x10	02	<b>705.103</b>
Sechskantschlüssel • T Wrench		SW3	02	<b>706.153</b>
Torx Schlüssel • Torx wrench		T15	02	<b>706.302</b>

01  
Sägen02  
Zerspanen03  
Hobeln/Fräsen04  
Profilfräsen05  
Nur- und Federfräsen06  
Oberfräsen07  
Bohren08  
PKD-Werkzeuge09  
Spannen10  
Ersatzteile11  
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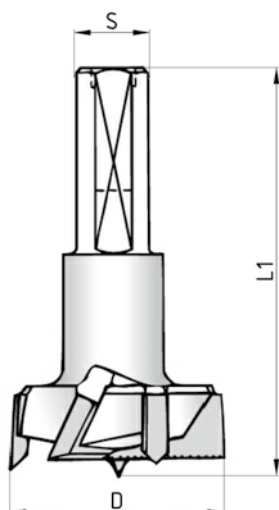
- Zum Bohren von Beschlag- und Topfbandbohrungen. Ausführung mit zwei Räumern, zwei Vorschneidern und Zentrierspitze.
- For drilling hinge holes. Version with two rakers, two spurs and center point.


**Schaft ø 10 mm • Shank ø 10 mm**
**MAN HW**

D	L2	L1	S	Z	V	PG	Art. Nr. RH	Art. Nr. LH
<b>L1 = 57,5 mm</b>								
8	55,5	57,5	10x26	2	2	02	<b>8163.008.056</b>	<b>8163.008.156</b>
10	55,5	57,5	10x26	2	2	02	<b>8163.010.056</b>	<b>8163.010.156</b>
12	55,5	57,5	10x26	2	2	02	<b>8163.012.056</b>	<b>8163.012.156</b>
15	55,5	57,5	10x26	2	2	02	<b>8163.015.056</b>	<b>8163.015.156</b>
16	55,5	57,5	10x26	2	2	02	<b>8163.016.056</b>	<b>8163.016.156</b>
17	55,5	57,5	10x26	2	2	02	<b>8163.017.056</b>	<b>8163.017.156</b>
18	55,5	57,5	10x26	2	2	02	<b>8163.018.056</b>	<b>8163.018.156</b>
19	55,5	57,5	10x26	2	2	02	<b>8163.019.056</b>	<b>8163.019.156</b>
20	55,5	57,5	10x26	2	2	02	<b>8163.020.056</b>	<b>8163.020.156</b>
22	55,5	57,5	10x26	2	2	02	<b>8163.022.056</b>	<b>8163.022.156</b>
23	55,5	57,5	10x26	2	2	02	<b>8163.023.056</b>	<b>8163.023.156</b>
24	55,5	57,5	10x26	2	2	02	<b>8163.024.056</b>	<b>8163.024.156</b>
25	55,5	57,5	10x26	2	2	02	<b>8163.025.056</b>	<b>8163.025.156</b>
26	55,5	57,5	10x26	2	2	02	<b>8163.026.056</b>	<b>8163.026.156</b>
28	55,5	57,5	10x26	2	2	02	<b>8163.028.056</b>	<b>8163.028.156</b>
30	55,5	57,5	10x26	2	2	02	<b>8163.030.056</b>	<b>8163.030.156</b>
32	55,5	57,5	10x26	2	2	02	<b>8163.032.056</b>	<b>8163.032.156</b>
35	55,5	57,5	10x26	2	2	02	<b>8163.035.056</b>	<b>8163.035.156</b>
38	55,5	57,5	10x26	2	2	02	<b>8163.038.056</b>	<b>8163.038.156</b>
40	55,5	57,5	10x26	2	2	02	<b>8163.040.056</b>	<b>8163.040.156</b>
42	55,5	57,5	10x26	2	2	02	<b>8163.042.056</b>	<b>8163.042.156</b>
50	55,5	57,5	10x26	2	2	02	<b>8163.050.056</b>	<b>8163.050.156</b>
60	55,5	57,5	10x26	2	2	02	<b>8163.060.056</b>	<b>8163.060.156</b>
<b>L1 = 70 mm</b>								
15	68,0	70	10x40	2	2	02	<b>8163.015.068</b>	<b>8163.015.168</b>
16	68,0	70	10x40	2	2	02	<b>8163.016.068</b>	<b>8163.016.168</b>
18	68,0	70	10x40	2	2	02	<b>8163.018.068</b>	<b>8163.018.168</b>
20	68,0	70	10x40	2	2	02	<b>8163.020.068</b>	<b>8163.020.168</b>
22	68,0	70	10x40	2	2	02	<b>8163.022.068</b>	<b>8163.022.168</b>
24	68,0	70	10x40	2	2	02	<b>8163.024.068</b>	<b>8163.024.168</b>
25	68,0	70	10x40	2	2	02	<b>8163.025.068</b>	<b>8163.025.168</b>
26	68,0	70	10x40	2	2	02	<b>8163.026.068</b>	<b>8163.026.168</b>
28	68,0	70	10x40	2	2	02	<b>8163.028.068</b>	<b>8163.028.168</b>
30	68,0	70	10x40	2	2	02	<b>8163.030.068</b>	<b>8163.030.168</b>
35	68,0	70	10x40	2	2	02	<b>8163.035.068</b>	<b>8163.035.168</b>
40	68,0	70	10x40	2	2	02	<b>8163.040.068</b>	<b>8163.040.168</b>
50	68,0	70	10x40	2	2	02	<b>8163.050.068</b>	<b>8163.050.168</b>
60	68,0	70	10x40	2	2	02	<b>8163.060.068</b>	<b>8163.060.168</b>
<b>L1 = 77 mm</b>								
15	75,0	77	10x40	2	2	02	<b>8163.015.075</b>	<b>8163.015.175</b>
16	75,0	77	10x40	2	2	02	<b>8163.016.075</b>	<b>8163.016.175</b>
18	75,0	77	10x40	2	2	02	<b>8163.018.075</b>	<b>8163.018.175</b>
20	75,0	77	10x40	2	2	02	<b>8163.020.075</b>	
22	75,0	77	10x40	2	2	02	<b>8163.022.075</b>	<b>8163.022.175</b>
24	75,0	77	10x40	2	2	02	<b>8163.024.075</b>	<b>8163.024.175</b>
25	75,0	77	10x40	2	2	02	<b>8163.025.075</b>	<b>8163.025.175</b>
26	75,0	77	10x40	2	2	02	<b>8163.026.075</b>	<b>8163.026.175</b>
28	75,0	77	10x40	2	2	02	<b>8163.028.075</b>	<b>8163.028.175</b>
30	75,0	77	10x40	2	2	02	<b>8163.030.075</b>	<b>8163.030.175</b>
32	75,0	77	10x40	2	2	02	<b>8163.032.068</b>	<b>8163.032.168</b>
35	75,0	77	10x40	2	2	02	<b>8163.035.075</b>	<b>8163.035.175</b>
38	75,0	77	10x40	2	2	02	<b>8163.038.075</b>	<b>8163.038.175</b>
40	75,0	77	10x40	2	2	02	<b>8163.040.075</b>	<b>8163.040.175</b>

**Ersatzteile • Spare parts**

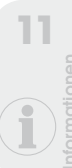
	Dim.	PG	Art. Nr.
Einstellschraube • Adjusting Screw	M5x10	02	<b>705.103</b>
SS-Einstellschraube • SS-Adjusting Screw	M5x17	02	<b>705.180</b>



- Zum Bohren von Beschlag- und Topfbandbohrungen. Ausführung mit zwei Räumern, zwei Vorschneidern und Zentrierspitze. Räumern mit Spanbrechernuten geschliffen für verbesserte Spanabfuhr und verringerte Vorspaltung.
- For drilling hinge holes. Version with two rakers, two spurs and center point. Rakers ground with chipbreakers for better chipremovement and better finishing.

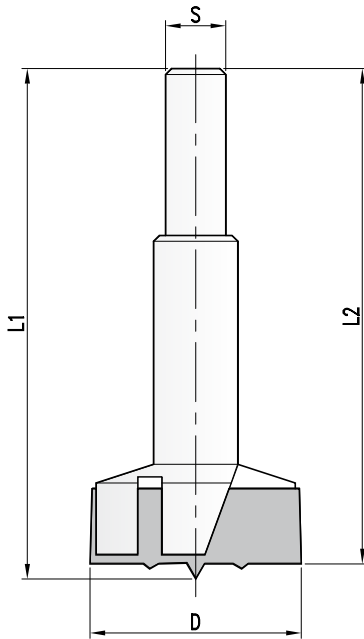
**Schaft ø 10 mm • Shank ø 10 mm**
**MAN HW**

D	L2	L1	S	Z	V	PG	Art. Nr. RH	Art. Nr. LH
<b>L1 = 57,5 mm</b>								
15	55,5	57,5	10x26	2	2	02	<b>8263.015.056</b>	<b>8263.015.156</b>
16	55,5	57,5	10x26	2	2	02	<b>8263.016.056</b>	<b>8263.016.156</b>
18	55,5	57,5	10x26	2	2	02	<b>8263.018.056</b>	<b>8263.018.156</b>
20	55,5	57,5	10x26	2	2	02	<b>8263.020.056</b>	<b>8263.020.156</b>
22	55,5	57,5	10x26	2	2	02	<b>8263.022.056</b>	<b>8263.022.156</b>
24	55,5	57,5	10x26	2	2	02	<b>8263.024.056</b>	<b>8263.024.156</b>
25	55,5	57,5	10x26	2	2	02	<b>8263.025.056</b>	<b>8263.025.156</b>
26	55,5	57,5	10x26	2	2	02	<b>8263.026.056</b>	<b>8263.026.156</b>
28	55,5	57,5	10x26	2	2	02	<b>8263.028.056</b>	<b>8263.028.156</b>
30	55,5	57,5	10x26	2	2	02	<b>8263.030.056</b>	<b>8263.030.156</b>
32	55,5	57,5	10x26	2	2	02	<b>8263.032.056</b>	<b>8263.032.156</b>
35	55,5	57,5	10x26	2	2	02	<b>8263.035.056</b>	<b>8263.035.156</b>
38	55,5	57,5	10x26	2	2	02	<b>8263.038.056</b>	<b>8263.038.156</b>
40	55,5	57,5	10x26	2	2	02	<b>8263.040.056</b>	<b>8263.040.156</b>
50	55,5	57,5	10x26	2	2	02	<b>8263.050.056</b>	<b>8263.050.156</b>
60	55,5	57,5	10x26	2	2	02	<b>8263.060.056</b>	<b>8263.060.156</b>
<b>L1 = 70 mm</b>								
15	68,0	70	10x40	2	2	02	<b>8263.015.068</b>	<b>8263.015.168</b>
16	68,0	70	10x40	2	2	02	<b>8263.016.068</b>	<b>8263.016.168</b>
18	68,0	70	10x40	2	2	02	<b>8263.018.068</b>	<b>8263.018.168</b>
20	68,0	70	10x40	2	2	02	<b>8263.020.068</b>	<b>8263.020.168</b>
22	68,0	70	10x40	2	2	02	<b>8263.022.068</b>	<b>8263.022.168</b>
24	68,0	70	10x40	2	2	02	<b>8263.024.068</b>	<b>8263.024.168</b>
25	68,0	70	10x40	2	2	02	<b>8263.025.068</b>	<b>8263.025.168</b>
26	68,0	70	10x40	2	2	02	<b>8263.026.068</b>	<b>8263.026.168</b>
28	68,0	70	10x40	2	2	02	<b>8263.028.068</b>	<b>8263.028.168</b>
30	68,0	70	10x40	2	2	02	<b>8263.030.068</b>	<b>8263.030.168</b>
32	68,0	70	10x40	2	2	02	<b>8263.032.068</b>	<b>8263.032.168</b>
35	68,0	70	10x40	2	2	02	<b>8263.035.068</b>	<b>8263.035.168</b>
38	68,0	70	10x40	2	2	02	<b>8263.038.068</b>	<b>8263.038.168</b>
40	68,0	70	10x40	2	2	02	<b>8263.040.068</b>	<b>8263.040.168</b>





- Zum Bohren von Beschlag- und Topfbandbohrungen. Ausführung mit zwei Räumern, zwei Vorschneidern und Zentrierspitze.
- *For drilling hinge holes. Version with two rakers, two spurs and center point.*



- Lange Ausführung  
Ohne Spannfläche und Einstellschraube
- *Long type*  
*Without clamping flat and adjusting screw*

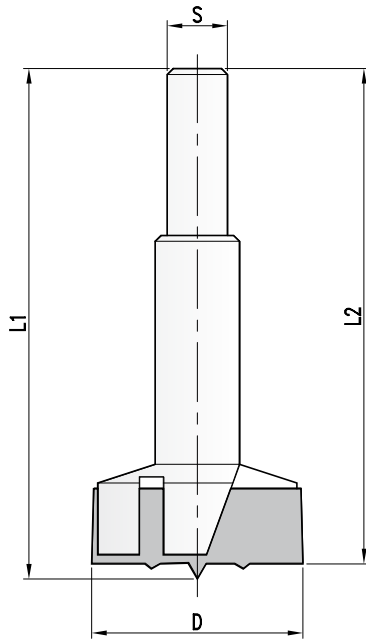
**Schaft ø 10, 13, 16, 20 mm • Shank ø 10, 13, 16, 20 mm**

**MAN HW**

D	L2	L1	S	Z	V	PG	Art. Nr. RH
<b>L1 = 92 mm</b>							
8	90	92	10x30	2	2	02	<b>8163.008.090</b>
9	90	92	10x30	2	2	02	<b>8163.009.090</b>
10	90	92	10x30	2	2	02	<b>8163.010.090</b>
11	90	92	10x30	2	2	02	<b>8163.011.090</b>
12	90	92	10x30	2	2	02	<b>8163.012.090</b>
13	90	92	10x30	2	2	02	<b>8163.013.090</b>
14	90	92	10x30	2	2	02	<b>8163.014.090</b>
15	90	92	10x30	2	2	02	<b>8163.015.090</b>
16	90	92	10x30	2	2	02	<b>8163.016.090</b>
18	90	92	10x30	2	2	02	<b>8163.017.090</b>
17	90	92	10x30	2	2	02	<b>8163.018.090</b>
19	90	92	10x30	2	2	02	<b>8163.019.090</b>
20	90	92	10x30	2	2	02	<b>8163.020.090</b>
21	90	92	10x30	2	2	02	<b>8163.021.090</b>
22	90	92	10x30	2	2	02	<b>8163.022.090</b>
23	90	92	10x30	2	2	02	<b>8163.023.090</b>
24	90	92	10x30	2	2	02	<b>8163.024.090</b>
25	90	92	10x30	2	2	02	<b>8163.025.090</b>
26	90	92	10x30	2	2	02	<b>8163.026.090</b>
27	90	92	10x30	2	2	02	<b>8163.027.090</b>
28	90	92	10x30	2	2	02	<b>8163.028.090</b>
29	90	92	10x30	2	2	02	<b>8163.029.090</b>
30	90	92	10x30	2	2	02	<b>8163.030.090</b>
31	90	92	10x30	2	2	02	<b>8163.031.090</b>
32	90	92	10x30	2	2	02	<b>8163.032.090</b>
33	90	92	10x30	2	2	02	<b>8163.033.090</b>
34	90	92	10x30	2	2	02	<b>8163.034.090</b>
35	90	92	10x30	2	2	02	<b>8163.035.090</b>
36	90	92	10x30	2	2	02	<b>8163.036.090</b>
37	90	92	10x30	2	2	02	<b>8163.037.090</b>
38	90	92	10x30	2	2	02	<b>8163.038.090</b>
39	90	92	10x30	2	2	02	<b>8163.039.090</b>
40	90	92	10x30	2	2	02	<b>8163.040.090</b>
41	90	92	10x30	2	2	02	<b>8163.041.090</b>
42	90	92	10x30	2	2	02	<b>8163.042.090</b>
43	90	92	10x30	2	2	02	<b>8163.043.090</b>
44	90	92	10x30	2	2	02	<b>8163.044.090</b>
45	90	92	10x30	2	2	02	<b>8163.045.090</b>
46	90	92	10x30	2	2	02	<b>8163.046.090</b>
47	90	92	10x30	2	2	02	<b>8163.047.090</b>
48	90	92	10x30	2	2	02	<b>8163.048.090</b>
49	90	92	10x30	2	2	02	<b>8163.049.090</b>
50	90	92	10x30	2	2	02	<b>8163.050.090</b>
51	90	92	10x30	2	2	02	<b>8163.051.090</b>
52	90	92	10x30	2	2	02	<b>8163.052.090</b>
53	90	92	10x30	2	2	02	<b>8163.053.090</b>
54	90	92	10x30	2	2	02	<b>8163.054.090</b>
55	90	92	10x30	2	2	02	<b>8163.055.090</b>
56	90	92	10x30	2	2	02	<b>8163.056.090</b>
57	90	92	10x30	2	2	02	<b>8163.057.090</b>
58	90	92	10x30	2	2	02	<b>8163.058.090</b>
59	90	92	10x30	2	2	02	<b>8163.059.090</b>
60	90	92	10x30	2	2	02	<b>8163.060.090</b>
<b>L1 = 122 mm</b>							
50	120	122	16x50	2	2	02	<b>8165.050.120</b>
55	120	122	16x50	2	2	02	<b>8165.055.120</b>
60	120	122	16x50	2	2	02	<b>8165.060.120</b>



- Zum Bohren von Beschlag- und Topfbandbohrungen. Ausführung mit zwei Räumern, zwei Vorschneidern und Zentrierspitze.
- For drilling hinge holes. Version with two rakers, two spurs and center point.



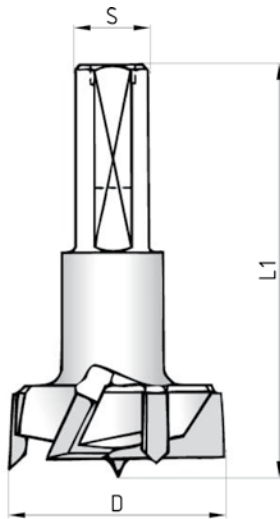
- Lange Ausführung  
Ohne Spannfläche und Einstellschraube
- Long type  
Without clamping flat and adjusting screw

Schaft  $\varnothing$  13, 16, 20 mm • Shank  $\varnothing$  13, 16, 20 mm

MAN HW

D	L2	L1	S	Z	V	PG	Art. Nr. RH
<b>L1 = 140 mm</b>							
10	138	140	13x50	2	2	02	<b>8165.010.138</b>
12	138	140	13x50	2	2	02	<b>8165.012.138</b>
14	138	140	13x50	2	2	02	<b>8165.014.138</b>
15	138	140	13x50	2	2	02	<b>8165.015.138</b>
16	138	140	13x50	2	2	02	<b>8165.016.138</b>
18	138	140	13x50	2	2	02	<b>8165.018.138</b>
20	138	140	13x50	2	2	02	<b>8165.020.138</b>
22	138	140	13x50	2	2	02	<b>8165.022.138</b>
24	138	140	13x50	2	2	02	<b>8165.024.138</b>
25	138	140	13x50	2	2	02	<b>8165.025.138</b>
26	138	140	13x50	2	2	02	<b>8165.026.138</b>
28	138	140	13x50	2	2	02	<b>8165.028.138</b>
30	138	140	13x50	2	2	02	<b>8165.030.138</b>
32	138	140	16x50	2	2	02	<b>8165.032.138</b>
34	138	140	16x50	2	2	02	<b>8165.034.138</b>
35	138	140	16x50	2	2	02	<b>8165.035.138</b>
36	138	140	16x50	2	2	02	<b>8165.036.138</b>
38	138	140	16x50	2	2	02	<b>8165.038.138</b>
40	138	140	16x50	2	2	02	<b>8165.040.138</b>
42	138	140	16x50	2	2	02	<b>8165.042.138</b>
44	138	140	16x50	2	2	02	<b>8165.044.138</b>
45	138	140	16x50	2	2	02	<b>8165.045.138</b>
46	138	140	16x50	2	2	02	<b>8165.046.138</b>
48	138	140	16x50	2	2	02	<b>8165.048.138</b>
50	138	140	16x50	2	2	02	<b>8165.050.138</b>
52	138	140	16x50	2	2	02	<b>8165.052.138</b>
54	138	140	16x50	2	2	02	<b>8165.054.138</b>
55	138	140	16x50	2	2	02	<b>8165.055.138</b>
56	138	140	16x50	2	2	02	<b>8165.056.138</b>
58	138	140	16x50	2	2	02	<b>8165.058.138</b>
60	138	140	16x50	2	2	02	<b>8165.060.138</b>
62	138	140	16x50	2	2	02	<b>8165.062.138</b>
63	138	140	16x50	2	2	02	<b>8165.063.138</b>
64	138	140	16x50	2	2	02	<b>8165.064.138</b>
65	138	140	16x50	2	2	02	<b>8165.065.138</b>
68	138	140	16x50	2	2	02	<b>8165.068.138</b>
70	138	140	16x50	2	2	02	<b>8165.070.138</b>
72	138	140	20x50	2	2	02	<b>8165.072.138</b>
75	138	140	20x50	2	2	02	<b>8165.075.138</b>
78	138	140	20x50	2	2	02	<b>8165.078.138</b>
80	138	140	20x50	2	2	02	<b>8165.080.138</b>
85	138	140	20x50	2	2	02	<b>8165.085.138</b>
90	138	140	20x50	2	2	02	<b>8165.090.138</b>
95	138	140	20x50	2	2	02	<b>8165.095.138</b>
100	138	140	20x50	2	2	02	<b>8165.100.138</b>
105	138	140	20x50	2	2	02	<b>8165.105.138</b>
110	138	140	20x50	2	2	02	<b>8165.110.138</b>
115	138	140	20x50	2	2	02	<b>8165.115.138</b>
120	138	140	20x50	2	2	02	<b>8165.120.138</b>
130	138	140	20x50	2	2	02	<b>8165.130.138</b>
140	138	140	20x50	2	2	02	<b>8165.140.138</b>



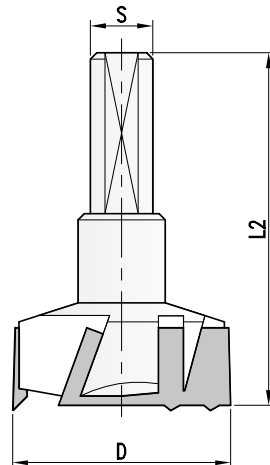
**8173****HW Zylinderkopfbohrer Z3+V3 - Festbestückt***TC Hinge boring bit Z3+V3 - Tipped*

- Zum Bohren von Beschlag- und Topfbandbohrungen. Ausführung mit drei Räumern, drei Vorschneidern und Zentrierspitze.
- For drilling hinge holes. Version with three rakers, three spurs and center point.

**Schaft  $\varnothing$  10 mm • Shank  $\varnothing$  10 mm****MAN HW**

D	L2	L1	S	Z	V	PG	Art. Nr. RH	Art. Nr. LH
<b>L1 = 57,5 mm</b>								
18	55,5	57,5	10x26	3	3	02	<b>8173.018.056</b>	<b>8173.018.156</b>
20	55,5	57,5	10x26	3	3	02	<b>8173.020.056</b>	<b>8173.020.156</b>
25	55,5	57,5	10x26	3	3	02	<b>8173.025.056</b>	<b>8173.025.156</b>
26	55,5	57,5	10x26	3	3	02	<b>8173.026.056</b>	<b>8173.026.156</b>
30	55,5	57,5	10x26	3	3	02	<b>8173.030.056</b>	<b>8173.030.156</b>
35	55,5	57,5	10x26	3	3	02	<b>8173.035.056</b>	<b>8173.035.156</b>
38	55,5	57,5	10x26	3	3	02	<b>8173.038.056</b>	<b>8173.038.156</b>
40	55,5	57,5	10x26	3	3	02	<b>8173.040.056</b>	<b>8173.040.156</b>
50	55,5	57,5	10x26	3	3	02	<b>8173.050.056</b>	<b>8173.050.156</b>

- 3-Schneider für erhöhte Bohrleistung
- 3-lipped for higher drill performance

**8183****HW Zylinderkopfbohrer, verkürzte Zentrierspitze - Festbestückt***TC Hinge boring bit, reduced centering point - Tipped*

- Zum Bohren von Beschlag- und Topfbandbohrungen. Ausführung mit drei Räumern, drei Vorschneidern mit verkürzter Zentrierspitze.
- For drilling hinge holes. Version with three rakers, three spurs with reduced center point.

**Schaft  $\varnothing$  10 mm • Shank  $\varnothing$  10 mm****MAN HW**

D	L2	S	Z	V	PG	Art. Nr. RH	Art. Nr. LH
25	55,5	10x26	3	3	02	<b>8183.025.056</b>	<b>8183.025.156</b>
30	55,5	10x26	3	3	02	<b>8183.030.056</b>	<b>8183.030.156</b>
35	55,5	10x26	3	3	02	<b>8183.035.056</b>	<b>8183.035.156</b>

**Ersatzteile • Spare parts**

	Dim.	PG	Art. Nr.
Einstellschraube • Adjusting Screw	M5x10	02	<b>705.103</b>
SS-Einstellschraube • SS-Adjusting Screw	M5x17	02	<b>705.180</b>

- Geeignet für Bohrtiefen, bis nahe an die untere Deckschicht. 3-Schneider für erhöhte Bohrleistung.
- Reduced center point, allowing boring depths close to the bottom-side laminate. 3-lipped for higher drill performance.

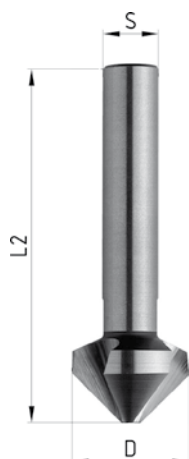
**286****ProChipper®**

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**3479**

## HSS-Senker - Massiv

### HSS-Counter sinks - Solid



- Zum nachträglichen Ansenken von Bohrungen. Senker 90°, Z=3.
- For countersinking bores. Countersink 90°, Z=3.

HSS Senker • HSS Countersinks						MAN	HW
D	L2	S	Z	PG	Art. Nr.		
12,4	56	8	3	02	<b>3479.012.056</b>		
16,5	60	10	3	02	<b>3479.017.060</b>		
20,5	63	10	3	02	<b>3479.021.063</b>		
25	67	10	3	02	<b>3479.025.067</b>		
30	71	12	3	02	<b>3479.030.071</b>		
40	71	12	3	02	<b>3479.040.071</b>		

**3459**

## HSS-Querlochsenker - Massiv

### HSS-Crosshole sinks - Solid



- Zum nachträglichen Ansenken von Bohrungen. Querlochsenker für sauberes und ratterfreies Schnittbild. Insbesondere für harte Werkstoffe wie HPL und NE-Metalle.
- For countersinking bores. Crosshole sinker for clean and chatter-free cut appearance. Specially for hardmaterials like HPL and NE metals.

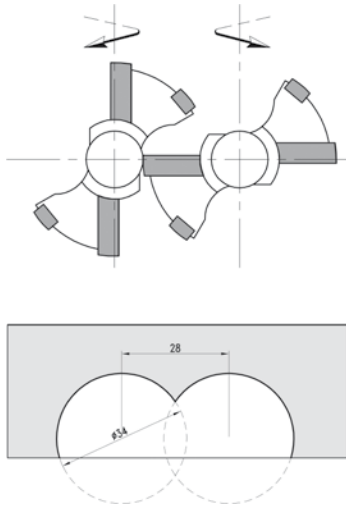
HSS Senker • HSS Countersinks						MAN	HW
D	L2	S	Z	PG	Art. Nr.		
21	65	10	1	02	<b>3459.021.065</b>		
27,5	85	12	1	02	<b>3459.028.085</b>		
35	102	15	1	02	<b>3459.035.102</b>		

- 01 Sägen
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**8273**

## HW Doppel Topfbandbohrer, System MACO TREND - Festbestückt

TC Double head hinge boringbit, system MACO TREND - Tipped



- Zum Bohren von Doppelbeschlag- und Topfbandbohrungen. Ausführung mit zwei Räumern, zwei Vorschneidern und Zentrierspitze. Zum Einbauen von Doppel-Topfbandbeschlägen und Scherenlagern DT. Mit Spannfläche und Einstellschraube
- For drilling double hinge holes. Version with two rakers, two spurs and center point. For boring of double head hinges in window constructions. With clamping flat and adjustment screw.

**Schaft  $\varnothing$  10 mm für L-R-Betrieb mit Lochabstand 28mm**  
**Shank  $\varnothing$  10 mm for L-R-drilling with holedistance 28mm**

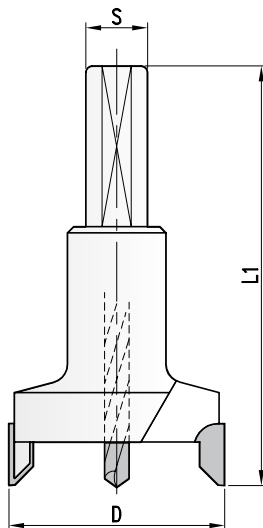
MAN HW

D	L1	S	Z	V	PG	Art. Nr. RH	Art. Nr. LH
34	57,5	10x26	2	2	02	<b>8273.034.058</b>	<b>8273.034.158</b>

**8193**

## HW Zylinderkopfbohrer für Aluminiumprofile - Festbestückt

TC Hinge boring bit for aluminium profiles - Tipped



- Zum Bohren von Beschlagbohrungen in Aluminiumprofile. Ausführung mit drei Vorschneidern.
- For drilling hinge holes into aluminiumprofiles. Version with three spurs.

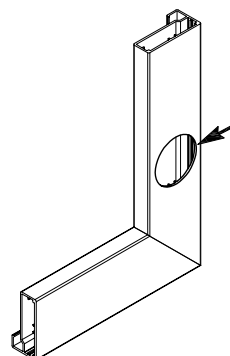
**Schaft  $\varnothing$  10 mm • Shank  $\varnothing$  10 mm**

MAN HW

D	L1	S	Z	PG	Art. Nr.
26	70	10x26	2	02	<b>8193.026.070</b>
35	70	10x26	2	02	<b>8193.035.070</b>

### Ersatzteile • Spare parts

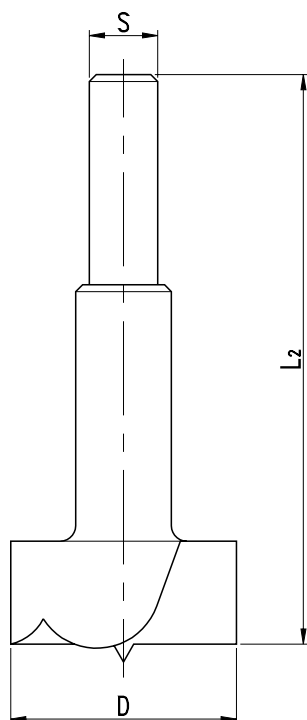
	Dim.	PG	Art. Nr.
Einstellschraube • Adjusting Screw	M5x10	02	<b>705.103</b>
Zentrierspitze • Center point		02	<b>A201.004.130.04</b>
Gewindestift • Screw	M5x5	02	<b>705.102</b>

**288**

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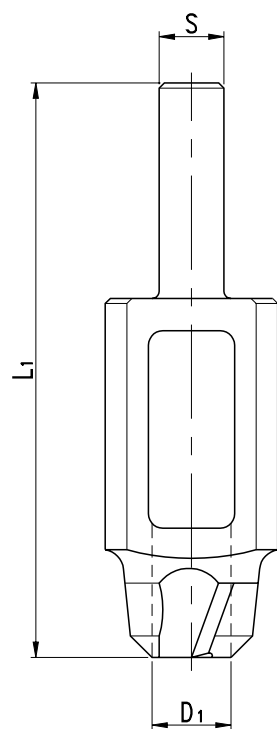
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**3465****SP Forstnerbohrer - Massiv***SP Forstner bit - Solid*

- Zylinderkopfborner mit scharfen kreisförmigen Vorschnidern.  
Besonders geeignet für Weichhölzer.
- Forstner bit with sharp circular spurs. Especially for use in softwoods.

Schaft ø 13, 16 mm • Shank ø 13, 16 mm						MAN	SP
D	L2	S	Z	V	PG	Art. Nr.	
10	92	8x28	2	2	02	3465.010.092	
12	92	8x28	2	2	02	3465.012.092	
14	92	8x28	2	2	02	3465.014.092	
15	92	8x28	2	2	02	3465.015.092	
16	92	8x28	2	2	02	3465.016.092	
18	92	8x28	2	2	02	3465.018.092	
20	92	8x28	2	2	02	3465.020.092	
22	92	8x28	2	2	02	3465.022.092	
24	92	8x28	2	2	02	3465.024.092	
25	92	8x28	2	2	02	3465.025.092	
26	92	8x28	2	2	02	3465.026.092	
28	92	8x28	2	2	02	3465.028.092	
30	92	8x28	2	2	02	3465.030.092	
32	92	8x28	2	2	02	3465.032.092	
34	92	8x28	2	2	02	3465.034.092	
35	92	10x28	2	2	02	3465.035.092	
36	92	10x28	2	2	02	3465.036.092	
38	92	10x28	2	2	02	3465.038.092	
40	92	10x28	2	2	02	3465.040.092	
45	92	10x28	2	2	02	3465.045.092	
50	92	10x28	2	2	02	3465.050.092	

**3495****WS Scheibenschneider - Massiv***WS Plug cutter - Solid*

- Scheibenschneider zur Herstellung von Holzscheiben wie Astlochdübel.  
Besonders geeignet für Weichhölzer.
- Plug cutter for producing of plugs for knot repair. Especially for use in softwoods.

Schaft ø 13, 16 mm • Shank ø 13, 16 mm					MAN	WS
D1	L1	S	Z	PG	Art. Nr.	
10	140	13x50	4	02	3495.010.140	
12	140	13x50	4	02	3495.012.140	
15	140	13x50	4	02	3495.015.140	
20	140	13x50	4	02	3495.020.140	
25	140	13x50	5	02	3495.025.140	
30	140	13x50	5	02	3495.030.140	
35	140	16x50	5	02	3495.035.160	
40	140	16x50	6	02	3495.040.160	
45	140	16x50	6	02	3495.045.160	
50	140	16x50	6	02	3495.050.160	

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