

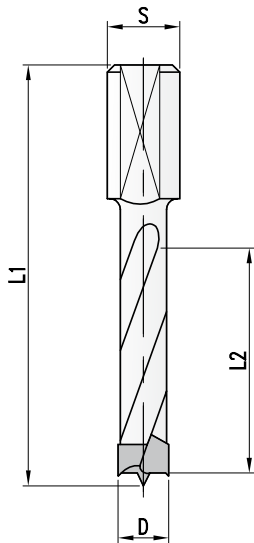
# ProChipper®



tooling systems



**Bohrer**  
*Boring bits*

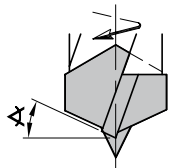

**Schaft ø 8mm**  
*Shank ø 8mm*
**MAN****HW**

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

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

D	L2	L1	S	Z	Art. Nr. LH	Art. Nr. RH
4	30	<b>57,5</b>	10x27	2	<b>8363.004.130</b>	<b>8363.004.030</b>
5	30	57,5	10x27	2	<b>8363.005.330</b>	<b>8363.005.230</b>
6	30	57,5	10x27	2	<b>8363.006.330</b>	<b>8363.006.230</b>
7	30	57,5	10x27	2	<b>8363.007.330</b>	<b>8363.007.230</b>
8	30	57,5	10x27	2	<b>8363.008.330</b>	<b>8363.008.230</b>
9	30	57,5	10x27	2	<b>8363.009.330</b>	<b>8363.009.230</b>
10	30	57,5	10x27	2	<b>8363.010.330</b>	<b>8363.010.230</b>
11	30	57,5	10x27	2	<b>8363.011.130</b>	<b>8363.011.030</b>
12	30	57,5	10x27	2	<b>8363.012.330</b>	<b>8363.012.230</b>
13	30	57,5	10x27	2	<b>8363.013.130</b>	<b>8363.013.030</b>
14	30	57,5	10x27	2	<b>8363.014.130</b>	<b>8363.014.030</b>
15	30	57,5	10x27	2	<b>8363.015.130</b>	<b>8363.015.030</b>
16	30	57,5	10x27	2	<b>8363.016.130</b>	<b>8363.016.030</b>
4	40	<b>70</b>	10x30	2	<b>8363.004.143</b>	<b>8363.004.043</b>
5	40	70	10x30	2	<b>8363.005.143</b>	<b>8363.005.043</b>
6	40	70	10x30	2	<b>8363.006.143</b>	<b>8363.006.043</b>
7	40	70	10x30	2	<b>8363.007.143</b>	<b>8363.007.043</b>
8	40	70	10x30	2	<b>8363.008.143</b>	<b>8363.008.043</b>
9	40	70	10x30	2	<b>8363.009.143</b>	<b>8363.009.043</b>
10	40	70	10x30	2	<b>8363.010.143</b>	<b>8363.010.043</b>
11	40	70	10x30	2	<b>8363.011.143</b>	<b>8363.011.043</b>
12	40	70	10x30	2	<b>8343.012.143</b>	<b>8363.012.043</b>
14	40	70	10x30	2	<b>8363.014.143</b>	<b>8363.014.034</b>
15	40	70	10x30	2	<b>8363.015.143</b>	<b>8363.015.043</b>
16	40	70	10x30	2	<b>8363.016.143</b>	<b>8363.016.043</b>
5	45	<b>77</b>	10x30	2	<b>8363.005.150</b>	<b>8363.005.050</b>
6	45	77	10x30	2	<b>8363.006.150</b>	<b>8363.006.050</b>
7	45	77	10x30	2	<b>8363.007.150</b>	<b>8363.007.050</b>
8	45	77	10x30	2	<b>8363.007.150</b>	<b>8363.008.050</b>
10	45	77	10x30	2	<b>8363.010.150</b>	<b>8363.010.050</b>
12	45	77	10x30	2	<b>8363.012.150</b>	<b>8363.012.050</b>
14	45	77	10x30	2	<b>8363.014.150</b>	<b>8363.014.050</b>

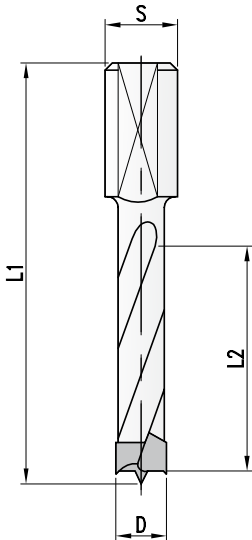
- Zum Bohren von Sacklöchern.  
Mit Zentrierspitze und Vorschneid-  
dergeometrie.
- *For drilling dowel holes.  
With center-point and spur  
geometry.*


 Modifikation  
*Modification*

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

**Ersatzteile**  
*Spare parts*

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


**Schaft ø 8mm**  
*Shank ø 8mm*
**MAN****HW**

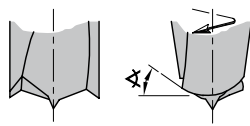
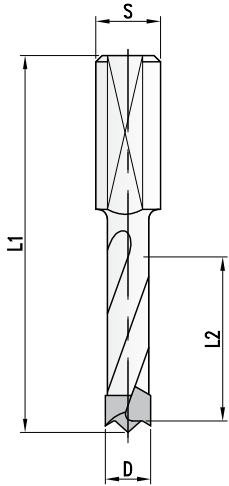
D	L2	L1	S	Z	Art. Nr. LH	Art. Nr. RH
5	30	<b>57,5</b>	8x27	2	<b>8373.005.130</b>	<b>8373.005.030</b>
6	30	57,5	8x27	2	<b>8373.006.130</b>	<b>8373.006.030</b>
7	30	57,5	8x27	2	<b>8373.007.130</b>	<b>8373.007.030</b>
8	30	57,5	8x27	2	<b>8373.008.130</b>	<b>8373.008.030</b>
9	30	57,5	8x27	2	<b>8373.009.130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

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

D	L2	L1	S	Z	Art. Nr. LH	Art. Nr. RH
4	30	<b>57,5</b>	10x27	2	<b>8373.004.130</b>	<b>8373.004.030</b>
5	30	57,5	10x27	2	<b>8373.005.330</b>	<b>8373.005.230</b>
6	30	57,5	10x27	2	<b>8373.006.330</b>	<b>8373.006.230</b>
7	30	57,5	10x27	2	<b>8373.007.330</b>	<b>8373.007.230</b>
8	30	57,5	10x27	2	<b>8373.008.330</b>	<b>8373.008.230</b>
9	30	57,5	10x27	2	<b>8373.009.330</b>	<b>8373.009.230</b>
10	30	57,5	10x27	2	<b>8373.010.330</b>	<b>8373.010.230</b>
11	30	57,5	10x27	2	<b>8373.011.130</b>	<b>8373.011.030</b>
12	30	57,5	10x27	2	<b>8373.012.330</b>	<b>8373.012.230</b>
13	30	57,5	10x27	2	<b>8373.013.330</b>	<b>8373.013.230</b>
14	30	57,5	10x27	2	<b>8373.014.330</b>	<b>8373.014.230</b>
15	30	57,5	10x27	2	<b>8373.015.330</b>	<b>8373.015.230</b>
16	30	57,5	10x27	2	<b>8373.016.330</b>	<b>8373.016.230</b>
4	43	<b>70</b>	10x27	2	<b>8373.004.143</b>	<b>8373.004.043</b>
5	43	70	10x27	2	<b>8373.005.143</b>	<b>8373.005.043</b>
6	43	70	10x27	2	<b>8373.006.143</b>	<b>8373.006.043</b>
7	43	70	10x27	2	<b>8373.007.143</b>	<b>8373.007.043</b>
8	43	70	10x27	2	<b>8373.008.143</b>	<b>8373.008.043</b>
9	43	70	10x27	2	<b>8373.009.143</b>	<b>8373.009.043</b>
10	43	70	10x27	2	<b>8373.010.143</b>	<b>8373.010.043</b>
11	43	70	10x27	2	<b>8373.011.143</b>	<b>8373.011.043</b>
12	43	70	10x27	2	<b>8373.012.143</b>	<b>8373.012.043</b>
14	43	70	10x27	2	<b>8373.014.143</b>	<b>8373.014.043</b>
15	43	70	10x27	2	<b>8373.015.143</b>	<b>8373.015.043</b>
16	43	70	10x27	2	<b>8373.016.143</b>	<b>8373.016.043</b>
5	45	<b>85</b>	10x35	2	<b>8373.005.150</b>	<b>8373.005.050</b>
6	45	85	10x35	2	<b>8373.006.150</b>	<b>8373.006.050</b>
7	45	85	10x35	2	<b>8373.007.150</b>	<b>8373.007.050</b>
8	45	85	10x35	2	<b>8373.008.150</b>	<b>8373.008.050</b>
9	45	85	10x35	2	<b>8373.009.150</b>	<b>8373.009.050</b>
10	45	85	10x35	2	<b>8373.010.150</b>	<b>8373.010.050</b>
12	45	85	10x35	2	<b>8373.012.150</b>	<b>8373.012.050</b>
14	45	85	10x35	2	<b>8373.014.150</b>	<b>8373.014.050</b>
5	65	<b>115</b>	10x35	2	<b>8373.005.165</b>	<b>8373.005.065</b>
6	65	115	10x35	2	<b>8373.006.165</b>	<b>8373.006.065</b>
7	65	115	10x35	2	<b>8373.007.165</b>	<b>8373.007.065</b>
8	65	115	10x35	2	<b>8373.008.165</b>	<b>8373.008.065</b>
9	65	115	10x35	2	<b>8373.009.165</b>	<b>8373.009.065</b>
10	65	115	10x35	2	<b>8373.010.165</b>	<b>8373.010.065</b>
12	65	115	10x35	2	<b>8373.012.165</b>	<b>8373.012.065</b>
14	65	115	10x35	2	<b>8373.014.165</b>	<b>8373.014.065</b>

- 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.*





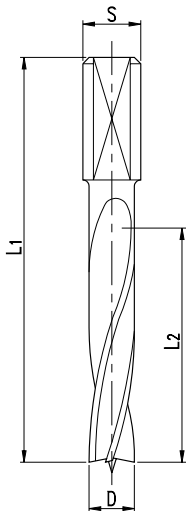
- Zum Bohren von Sacklöchern.  
Mit Zentrierspitze und Rundformvorschneiden.
- *For drilling dowel holes. With center point and roundspur profile grinding.*

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

D	L2	L1	S	Z	Art. Nr. LH	Art. Nr. RH
5	30	<b>57,5</b>	10x27	2	<b>8383.005.133</b>	<b>8383.005.033</b>
6	30	57,5	10x27	2	<b>8383.006.133</b>	<b>8383.006.033</b>
7	30	57,5	10x27	2	<b>8383.007.133</b>	<b>8383.007.033</b>
8	30	57,5	10x27	2	<b>8383.008.133</b>	<b>8383.008.033</b>
9	30	57,5	10x27	2	<b>8383.009.133</b>	<b>8383.009.033</b>
10	30	57,5	10x27	2	<b>8383.010.133</b>	<b>8383.010.033</b>
12	30	57,5	10x27	2	<b>8383.012.133</b>	<b>8383.012.033</b>
15	30	57,5	10x27	2	<b>8383.015.133</b>	<b>8383.015.033</b>
5	35	<b>70</b>	10x30	2	<b>8383.005.135</b>	<b>8383.005.035</b>
6	35	70	10x30	2	<b>8383.006.135</b>	<b>8383.006.035</b>
7	35	70	10x30	2	<b>8383.007.135</b>	<b>8383.007.035</b>
8	35	70	10x30	2	<b>8383.008.135</b>	<b>8383.008.035</b>
9	35	70	10x30	2	<b>8383.009.135</b>	<b>8383.009.035</b>
10	35	70	10x30	2	<b>8383.010.135</b>	<b>8383.010.035</b>
12	35	70	10x30	2	<b>8383.012.135</b>	<b>8383.012.035</b>
15	35	70	10x30	2	<b>8383.015.135</b>	<b>8383.015.035</b>

**Ersatzteile / Spare parts**

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



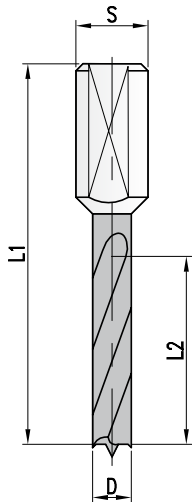
- Zum Bohren von Sacklöchern.  
Mit Zentrierspitze und Vorschneidergeometrie.
- Kombinierbar mit Aufstecksenker.
- *For drilling dowel holes. With center-point and spur geometry.*
- *Can be combined with loose countersink.*

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

D	L2	L1	S	Z	Art. Nr. LH	Art. Nr. RH
5	30	<b>57,5</b>	10x27	2	<b>3363.005.130</b>	<b>3363.005.030</b>
6	30	57,5	10x27	2	<b>3363.006.130</b>	<b>3363.006.030</b>
7	30	57,5	10x27	2	<b>3363.007.130</b>	<b>3363.007.030</b>
8	30	57,5	10x27	2	<b>3363.008.130</b>	<b>3363.008.030</b>
9	30	57,5	10x27	2	<b>3363.009.130</b>	<b>3363.009.030</b>
10	30	57,5	10x27	2	<b>3363.010.130</b>	<b>3363.010.030</b>
12	30	57,5	10x27	2	<b>3363.012.130</b>	<b>3363.012.030</b>
5	43	<b>70</b>	10x30	2	<b>3363.005.143</b>	<b>3363.005.043</b>
6	43	70	10x30	2	<b>3363.006.143</b>	<b>3363.006.043</b>
7	43	70	10x30	2	<b>3363.007.143</b>	<b>3363.007.043</b>
8	43	70	10x30	2	<b>3363.008.143</b>	<b>3363.008.043</b>
9	43	70	10x30	2	<b>3363.009.143</b>	<b>3363.009.043</b>
10	43	70	10x30	2	<b>3363.010.143</b>	<b>3363.010.043</b>
12	43	70	10x30	2	<b>3363.012.143</b>	<b>3363.012.043</b>

**Wendemesser/Ersatzteile**
*Reversible knives/Spare parts*

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

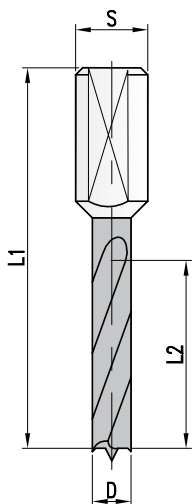
**6363****HW Dübellochbohrer „Standard“ - Massiv**  
TC Dowel drill „Standard“ - Solid**PG  
02****Schaft ø 10mm**  
Shank ø 10mm**MAN****HW**

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

- Zum Bohren von Sacklöchern. Mit Zentrierspitze und Vorshneidergeometrie.
- For drilling dowel holes. with center-point ans spur geometry.

**Ersatzteile**  
Spare parts

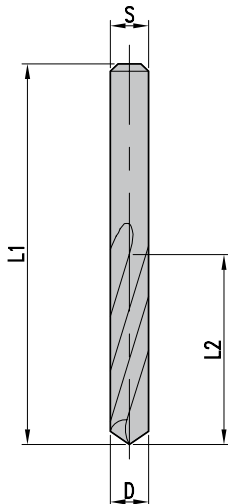
	Dim.	Art. Nr.
Einstellschraube - Adjusting Screw	M5x10	<b>705.103</b>
SS-Einstellschraube - SS-Adjusting Screw	M5x17	<b>705.180</b>

**6353****HW Dübellochbohrer Z=3 - Massiv**  
TC Dowel drill Z=3 - Solid**PG  
02****Schaft ø 10mm**  
Shank ø 10mm**MAN****HW**

D	L2	L1	S	Z	Art. Nr. LH	Art. Nr. RH
3	27	<b>57,5</b>	10x27	2	<b>6353.003.127</b>	<b>6353.003.027</b>
4	27	57,5	10x27	2	<b>6353.004.127</b>	<b>6353.004.027</b>
5	27	57,5	10x27	2	<b>6353.005.127</b>	<b>6353.005.027</b>
6	27	57,5	10x27	2	<b>6353.006.127</b>	<b>6353.006.027</b>
8	27	57,5	10x27	2	<b>6353.008.127</b>	<b>6353.008.027</b>
10	27	57,5	10x27	2	<b>6353.010.127</b>	<b>6353.010.027</b>
4	35	<b>70</b>	10x30	2	<b>6353.004.135</b>	<b>6353.004.035</b>
5	35	70	10x30	2	<b>6353.005.135</b>	<b>6353.005.035</b>
6	35	70	10x30	2	<b>6353.006.135</b>	<b>6353.006.035</b>
8	35	70	10x30	2	<b>6353.008.135</b>	<b>6353.008.035</b>
10	35	70	10x30	2	<b>6353.010.135</b>	<b>6353.010.035</b>
12	35	70	10x30	2	<b>6353.012.135</b>	<b>6353.012.035</b>

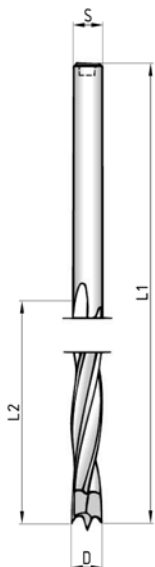
- Zum Bohren von Sacklöchern. Mit Zentrierspitze und Vorshneidergeometrie.
- For drilling dowel holes. with center-point ans spur geometry.



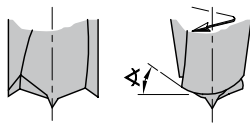
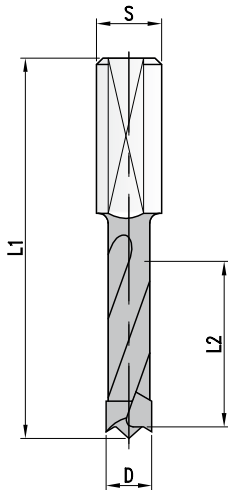

**VHW-Spiralbohrer Z=2**  
*Solid TC drill Z=2*
**MAN**
**HW**

D	L2	L1	S	Z	Art. Nr. LH	Art. Nr. RH
1,2	13	33	1,2	2	<b>6355.012.113</b>	<b>6355.012.013</b>
2	25	49	2,0	2	<b>6355.002.125</b>	<b>6355.002.025</b>
2,5	27	55	2,5	2	<b>6355.025.127</b>	<b>6355.025.027</b>
3	27	55	3,0	2	<b>6355.003.127</b>	<b>6355.003.027</b>
3,2	27	52	3,2	2	<b>6355.032.127</b>	<b>6355.032.027</b>
3,5	27	52	3,5	2	<b>6355.035.127</b>	<b>6355.035.027</b>
4	27	55	4,0	2	<b>6355.004.127</b>	<b>6355.004.037</b>
4,5	28	58	4,5	2	<b>6355.045.128</b>	<b>6355.045.028</b>
5	28	62	5,0	2	<b>6355.005.128</b>	<b>6355.005.028</b>
6	28	62	6,0	2	<b>6355.006.128</b>	<b>6355.006.028</b>

- Zum Bohren von Sack- und Durchgangslöchern. zylindrische Ausführung mit flacher Dachformspitze. Bei Schaftaufnahme 10mm, verwendbar mit Reduzierbüchse 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.*


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

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

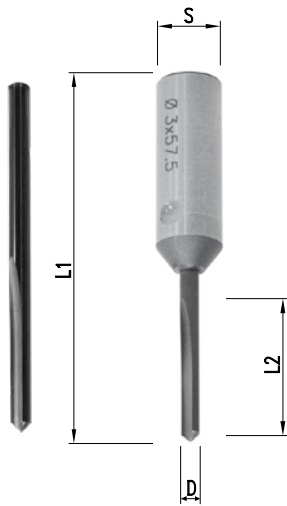
**6373****HW Dübellochbohrer „SuperPlus“ - Massiv**  
TC Dowel drill „SuperPlus“ - SolidPG  
02Schaft ø 10mm  
Shank ø 10mm

MAN

HW

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

- 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.

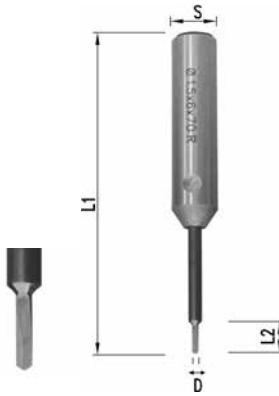
**6359****HW Bohrstift - Massiv**  
TC Boring pin - SolidPG  
02VHW-Bohrstift Z=1 R/L  
Solid TC boring pin Z=1 R/L

MAN

HW

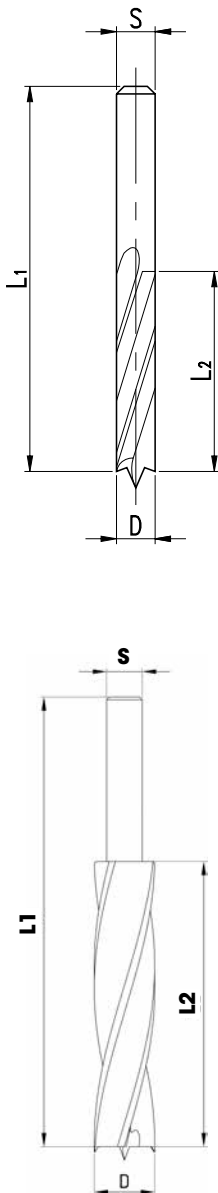
D	L2	L1	S	Z	Art. Nr.
2,5	18	50	2,5	1	<b>6359.025.018</b>
3	18	50	3	1	<b>6359.003.118</b>
3,5	18	50	3,5	1	<b>6359.035.018</b>
4	20	50	4	1	<b>6359.004.020</b>
2,5	18	57,5	10	1	<b>6359.025.118</b>
3	18	57,5	10	1	<b>6359.003.118</b>
3,5	18	57,5	10	1	<b>6359.035.018</b>
4	23	57,5	10	1	<b>6359.004.023</b>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

- Vollhartmetall-Bohrstift zur Verwendung im Rechts- oder Linkslauf. Zum Bohren von Sack- und Durchgangslöchern. Ausführung mit einer Spannute 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-Akustikbohrer Z=1**  
*Solid TC acoustic drill Z=1*
**MAN**
**HW**

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

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


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

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

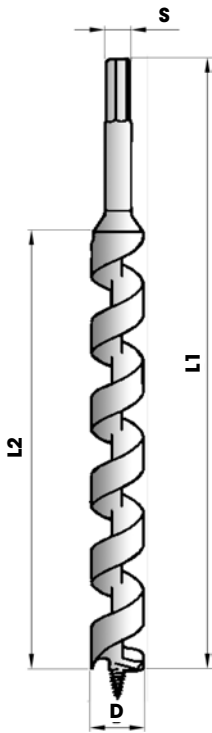
**Lange Ausführung - Long type**

5	180	250	5,0	2		<b>3365.005.180</b>
6	180	250	6,0	2		<b>3365.006.180</b>
8	180	250	8,0	2		<b>3365.008.180</b>
10	180	250	10,0	2		<b>3365.010.180</b>
12	180	250	12,0	2		<b>3365.012.180</b>
13	180	250	13,0	2		<b>3365.013.180</b>
14	180	250	13,0	2		<b>3365.014.180</b>
16	180	250	13,0	2		<b>3365.016.180</b>

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



3463

**WS-Schlangenbohrer Typ Lewis - Massiv**  
*WS Drill type Lewis - Solid*
PG  
02
**WS-Lewisbohrer**  
*WS Drill type Lewis*

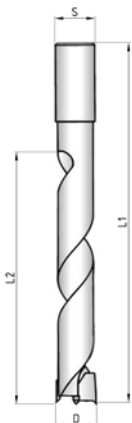
MAN

HS

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

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

8365

**HW Tieflochbohrer mit einer Spiralfurche - Festbestückt**  
*TC Deephole drill with single spiral flute - Tipped*
PG  
02
**HW Tieflochbohrer Z=1**  
*TC Deephole drill long version Z=1*

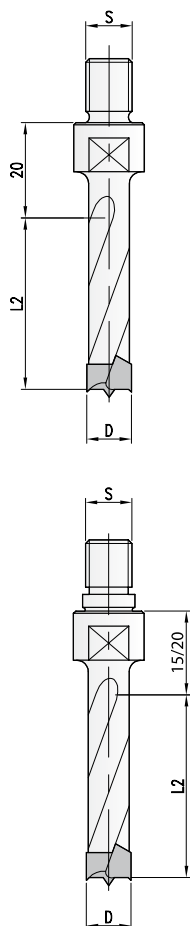
MAN

HW

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

- 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.*



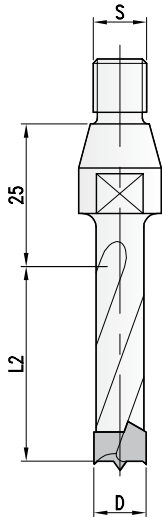

**Schaft  $\varnothing$  M8 or M10**  
*Shank  $\varnothing$  M8 or M10*
**MAN**
**HW**

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

**Schaft  $\varnothing$  M8/9 bzw. M10/11**  
*Shank  $\varnothing$  M8/9 or M10/11*
**MAN**
**HW**

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

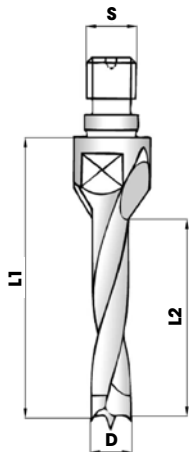
**8388****HW Dübellochbohrer mit Kegel und Gewindeschaff - Festbestückt***TC Dowel drill with cone and threaded shank - Tipped***PG  
02**

- Zum Bohren von Sacklöchern. Mit Zentrierspitze und Vorschneid-dergeometrie. Gewindeschaff 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 with cone**  
*Shank Ø M10 with cone***MAN****HW**

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

**8398****HW Dübellochbohrer mit Senkstufe und Gewindeschaff - Festbestückt***TC Dowel drill with countersink and threaded shank - Tipped***PG  
02**

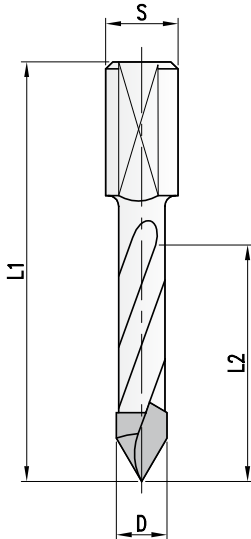
- Zum Bohren von Sacklöchern. bei gleichzeitigem Ansenken des Lochrands. Gewindeschaff M10 mit Paßsitz für Biesse, Weeke, Morbidelli.

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



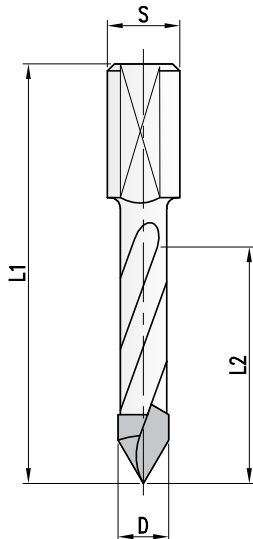

**Schaft  $\varnothing$  8mm**  
**Shank  $\varnothing$  8mm**
**MAN****HW**

D	L2	L1	S	Z	Art. Nr. LH	Art. Nr. RH
5	30	<b>55,5</b>	8x20	2	<b>8353.005.130</b>	<b>8353.005.030</b>
6	30	55,5	8x20	2	<b>8353.006.130</b>	<b>8353.006.030</b>
8	30	55,5	8x20	2	<b>8353.008.130</b>	<b>8353.008.030</b>
10	30	55,5	8x20	2	<b>8353.010.130</b>	<b>8353.010.030</b>
12	30	55,5	8x20	2	<b>8353.012.130</b>	<b>8353.012.030</b>
5	40	<b>67</b>	8x20	2	<b>8353.005.160</b>	<b>8353.005.040</b>
6	40	67	8x20	2	<b>8353.006.140</b>	<b>8353.006.040</b>
7	40	67	8x20	2	<b>8353.007.140</b>	<b>8353.007.040</b>
8	40	67	8x20	2	<b>8353.008.140</b>	<b>8353.008.040</b>
10	40	67	8x20	2	<b>8353.010.140</b>	<b>8353.010.040</b>
12	40	67	8x20	2	<b>8353.012.140</b>	<b>8353.012.040</b>

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

D	L2	L1	S	Z	Art. Nr. LH	Art. Nr. RH
5	27	<b>57,5</b>	10x27	2	<b>8353.005.127</b>	<b>8353.005.027</b>
6	27	57,5	10x27	2	<b>8353.006.127</b>	<b>8353.006.027</b>
7	27	57,5	10x27	2	<b>8353.007.127</b>	<b>8353.007.027</b>
8	27	57,5	10x27	2	<b>8353.008.127</b>	<b>8353.008.027</b>
10	27	57,5	10x27	2	<b>8353.010.127</b>	<b>8353.010.027</b>
12	27	57,5	10x27	2	<b>8353.012.127</b>	<b>8353.012.027</b>
5	35	<b>70</b>	10x30	2	<b>8353.005.135</b>	<b>8353.005.035</b>
6	35	70	10x30	2	<b>8353.006.135</b>	<b>8353.006.035</b>
7	35	70	10x30	2	<b>8353.007.135</b>	<b>8353.007.035</b>
8	35	70	10x30	2	<b>8353.008.135</b>	<b>8353.008.035</b>
10	35	70	10x30	2	<b>8353.010.135</b>	<b>8353.010.035</b>
12	35	70	10x30	2	<b>8353.012.135</b>	<b>8353.012.035</b>
5	44	<b>77</b>	10x30	2	<b>8353.005.144</b>	<b>8353.005.044</b>
6	44	77	10x30	2	<b>8353.006.144</b>	<b>8353.006.044</b>
7	44	77	10x30	2	<b>8353.007.144</b>	<b>8353.007.044</b>
8	44	77	10x30	2	<b>8353.008.144</b>	<b>8353.008.044</b>
10	44	77	10x30	2	<b>8353.010.144</b>	<b>8353.010.044</b>
12	44	77	10x30	2	<b>8353.012.144</b>	<b>8353.012.044</b>
5	45	<b>85</b>	10x35	2	<b>8353.005.148</b>	<b>8353.005.048</b>
6	45	85	10x35	2	<b>8353.006.148</b>	<b>8353.006.048</b>
8	45	85	10x35	2	<b>8353.008.148</b>	<b>8353.008.048</b>
10	45	85	10x35	2	<b>8353.010.148</b>	<b>8353.010.048</b>
12	45	85	10x35	2	<b>8353.012.148</b>	<b>8353.012.048</b>
5	65	<b>115</b>	10x35	2	<b>8353.005.165</b>	<b>8353.005.065</b>
6	65	115	10x35	2	<b>8353.006.165</b>	<b>8353.006.065</b>
8	65	115	10x35	2	<b>8353.008.165</b>	<b>8353.008.065</b>
10	65	115	10x35	2	<b>8353.010.165</b>	<b>8353.010.065</b>
12	65	115	10x35	2	<b>8353.012.165</b>	<b>8353.012.065</b>

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

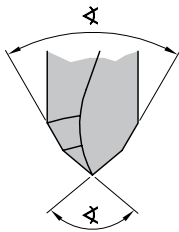
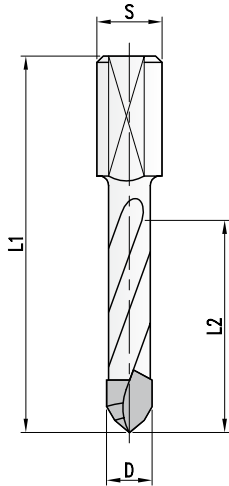

**Schaft  $\varnothing$  10mm mit Rückenführung**  
*Shank  $\varnothing$  10mm with back guide*
**MAN****HW**

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

- Zum Bohren ausrissfreier Durchgangslöcher. Gefaster Dachformanschliff 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.*

**Ersatzteile**  
*Spare parts*

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

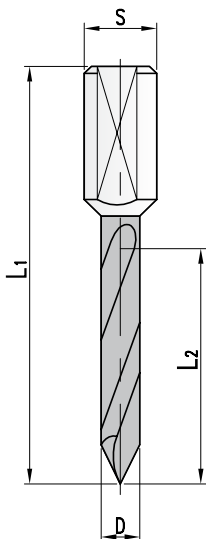

**Schaft  $\varnothing$  10mm**  
*Shank  $\varnothing$  10mm*
**MAN****HW**

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

- Zum Bohren ausrissfreier Durchgangslöcher. Gefaster Dachformanschliff 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.*

**Ersatzteile**  
*Spare parts*

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

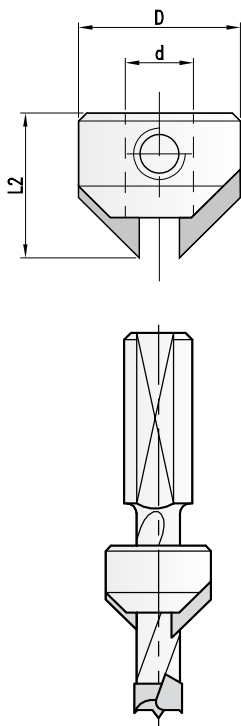

**Schaft  $\varnothing$  10mm**  
*Shank  $\varnothing$  10mm*
**MAN****HW**

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

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

**Ersatzteile**  
*Spare parts*

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

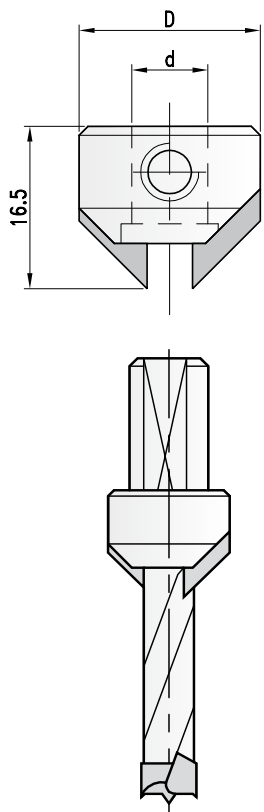
**8850****HW Aufstecksenker 45° - Festbestückt**  
TC Loose countersink 45° - Tipped**PG**  
**02****Für Bohrer mit Rückenführung**  
For drills with back-guide**MAN****HW**

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

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

**Ersatzteile**  
Spare parts

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

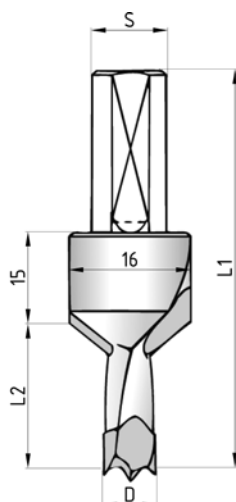
**8870****HW Aufstecksenker 45° - Festbestückt**  
TC Loose countersink 45° - Tipped**PG**  
**02****Für Befestigung am Schaft**  
To clamp on shank**MAN****HW**

D	L2	∅	Z	Art. Nr. LH	Art. Nr. RH
10	20	16,5	5-10	<b>8870.020.110</b>	<b>8870.020.010</b>
10	22	16,5	11-12	<b>8870.022.110</b>	<b>8870.022.010</b>

- Zur Befestigung am Schaft
- ∅ - für Bohrer-Nenndurchmesser
- Clamping on shank
- ∅ - for boring bit diameter

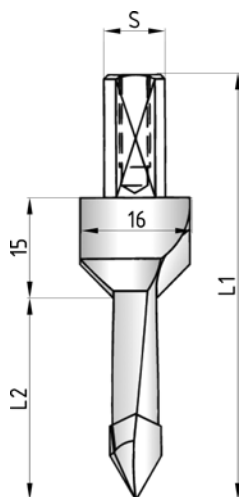
**Ersatzteile**  
Spare parts

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

**8235**
**HW Bohrsenker für Sacklöcher - Festbestückt**  
*TC doweldrill with countersink - Tipped*
**PG**  
**02**

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

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

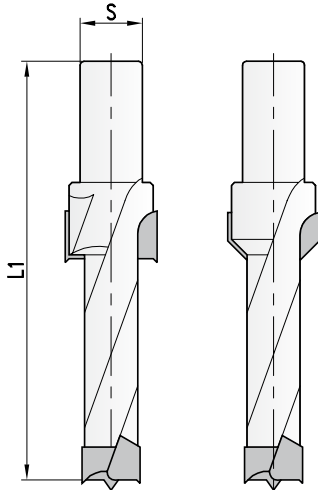
- Zum Bohren von Sacklöchern bei gleichzeitigem Ansenken des Lochrands. Einteilige Ausführung.
- *For drilling dowel holes and countersinking in one step. One-piece version.*

**8275**
**HW Bohrsenker für Durchgangslöcher**  
*TC through-hole drill with countersink*
**PG**  
**02**

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

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

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





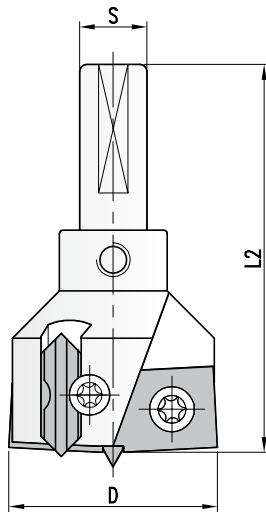
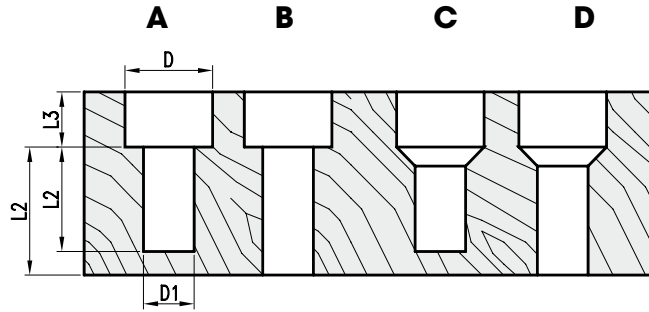
Sonderanfertigung  
Special design

MAN HW/HS

D	L1	S	Art. Nr.
3-30	50-130	•	8113.003.050

- 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



Z=2 V=2 Schaft Ø 10  
Z=2 V=2 Shank Ø 10

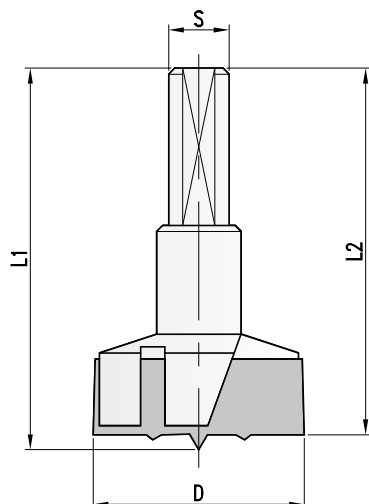
MAN HW

D	L2	L1	S	Z	V	Art. Nr. LH	Art. Nr. RH
25	55,5	<b>57,5</b>	10x26	2	2	4163.025.158	4163.025.058
26	55,5	57,5	10x26	2	2	4163.026.158	4163.026.058
30	55,5	57,5	10x26	2	2	4163.030.158	4163.030.058
35	55,5	57,5	10x26	2	2	4163.035.158	4163.035.058
25	55,5	<b>70</b>	10x26	2	2	4163.025.170	4163.025.070
26	55,5	70	10x26	2	2	4163.026.170	4163.026.070
30	55,5	70	10x26	2	2	4163.030.170	4163.030.070
35	55,5	70	10x26	2	2	4162.035.170	4163.035.070

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

Ersatzteile  
Spare parts

	D	Dim.	Art. Nr.
Wechselsmesser - Reversible knife	25	10,5x12x1,5	750.200
	26	11x12x1,5	750.209
	30	13x12x1,5	750.202
	35	15,7x12x1,5	750.203
Schraube - Screw		M3,5x5	705.352
		M3,5x6,5	705.350
Vorschneider - Spur		18x6x3,5	795.102
Schraube - Screw		M3,5x6	705.312.06
Zentrierspitze - Center point		ø3x33,5	795.101
Gewindestift - Screw		M6x6	705.583
Einstellschraube - Adjusting Screw		M5x10	705.103
Sechskantschlüssel - T Wrench		SW3	706.153
Torx Schlüssel - Torx wrench		T15	706.302



- 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  $\varnothing$  10mm  
Shank  $\varnothing$  10mm

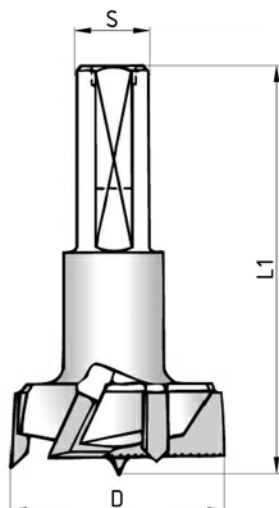
MAN

HW

D	L2	L1	S	Z	V	Art. Nr. LH	Art. Nr. RH
8	55,5	<b>57,5</b>	10x26	2	2	<b>8163.008.156</b>	<b>8163.008.056</b>
10	55,5	57,5	10x26	2	2	<b>8163.010.156</b>	<b>8163.010.056</b>
12	55,5	57,5	10x26	2	2	<b>8163.012.156</b>	<b>8163.012.056</b>
15	55,5	57,5	10x26	2	2	<b>8163.015.156</b>	<b>8163.015.056</b>
16	55,5	57,5	10x26	2	2	<b>8163.016.156</b>	<b>8163.016.056</b>
17	55,5	57,5	10x26	2	2	<b>8163.017.156</b>	<b>8163.017.056</b>
18	55,5	57,5	10x26	2	2	<b>8163.018.156</b>	<b>8163.018.056</b>
19	55,5	57,5	10x26	2	2	<b>8163.019.156</b>	<b>8163.019.056</b>
20	55,5	57,5	10x26	2	2	<b>8163.020.156</b>	<b>8163.020.056</b>
22	55,5	57,5	10x26	2	2	<b>8163.022.156</b>	<b>8163.022.056</b>
23	55,5	57,5	10x26	2	2	<b>8163.023.156</b>	<b>8163.023.056</b>
24	55,5	57,5	10x26	2	2	<b>8163.024.156</b>	<b>8163.024.056</b>
25	55,5	57,5	10x26	2	2	<b>8163.025.156</b>	<b>8163.025.056</b>
26	55,5	57,5	10x26	2	2	<b>8163.026.156</b>	<b>8163.026.056</b>
28	55,5	57,5	10x26	2	2	<b>8163.028.156</b>	<b>8163.028.056</b>
30	55,5	57,5	10x26	2	2	<b>8163.030.156</b>	<b>8163.030.056</b>
32	55,5	57,5	10x26	2	2	<b>8163.032.156</b>	<b>8163.032.056</b>
35	55,5	57,5	10x26	2	2	<b>8163.035.156</b>	<b>8163.035.056</b>
38	55,5	57,5	10x26	2	2	<b>8163.038.156</b>	<b>8163.038.056</b>
40	55,5	57,5	10x26	2	2	<b>8163.040.156</b>	<b>8163.040.056</b>
42	55,5	57,5	10x26	2	2	<b>8163.042.156</b>	<b>8163.042.056</b>
50	55,5	57,5	10x26	2	2	<b>8163.050.156</b>	<b>8163.050.056</b>
60	55,5	57,5	10x26	2	2	<b>8163.060.156</b>	<b>8163.060.056</b>
15	68,0	<b>70</b>	10x40	2	2	<b>8163.015.168</b>	<b>8163.015.068</b>
16	68,0	70	10x40	2	2	<b>8163.016.168</b>	<b>8163.016.068</b>
18	68,0	70	10x40	2	2	<b>8163.018.168</b>	<b>8163.018.068</b>
20	68,0	70	10x40	2	2	<b>8163.020.168</b>	<b>8163.020.068</b>
22	68,0	70	10x40	2	2	<b>8163.022.168</b>	<b>8163.022.068</b>
24	68,0	70	10x40	2	2	<b>8163.024.168</b>	<b>8163.024.068</b>
25	68,0	70	10x40	2	2	<b>8163.025.168</b>	<b>8163.025.068</b>
26	68,0	70	10x40	2	2	<b>8163.026.168</b>	<b>8163.026.068</b>
28	68,0	70	10x40	2	2	<b>8163.028.168</b>	<b>8163.028.068</b>
30	68,0	70	10x40	2	2	<b>8163.030.168</b>	<b>8163.030.068</b>
35	68,0	70	10x40	2	2	<b>8163.035.168</b>	<b>8163.035.068</b>
40	68,0	70	10x40	2	2	<b>8163.040.168</b>	<b>8163.040.068</b>
50	68,0	70	10x40	2	2	<b>8163.050.168</b>	<b>8163.050.068</b>
60	68,0	70	10x40	2	2	<b>8163.060.168</b>	<b>8163.060.068</b>
15	75,0	<b>77</b>	10x40	2	2	<b>8163.015.175</b>	<b>8163.015.075</b>
16	75,0	77	10x40	2	2	<b>8163.016.175</b>	<b>8163.016.075</b>
18	75,0	77	10x40	2	2	<b>8163.018.175</b>	<b>8163.018.075</b>
20	75,0	77	10x40	2	2		<b>8163.020.075</b>
22	75,0	77	10x40	2	2	<b>8163.022.175</b>	<b>8163.022.075</b>
24	75,0	77	10x40	2	2	<b>8163.024.175</b>	<b>8163.024.075</b>
25	75,0	77	10x40	2	2	<b>8163.025.175</b>	<b>8163.025.075</b>
26	75,0	77	10x40	2	2	<b>8163.026.175</b>	<b>8163.026.075</b>
28	75,0	77	10x40	2	2	<b>8163.028.175</b>	<b>8163.028.075</b>
30	75,0	77	10x40	2	2	<b>8163.030.175</b>	<b>8163.030.075</b>
32	75,0	77	10x40	2	2	<b>8163.032.168</b>	<b>8163.032.068</b>
35	75,0	77	10x40	2	2	<b>8163.035.175</b>	<b>8163.035.075</b>
38	75,0	77	10x40	2	2	<b>8163.036.175</b>	<b>8163.036.075</b>
40	75,0	77	10x40	2	2	<b>8163.040.175</b>	<b>8163.040.075</b>

Ersatzteile  
Spare parts

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

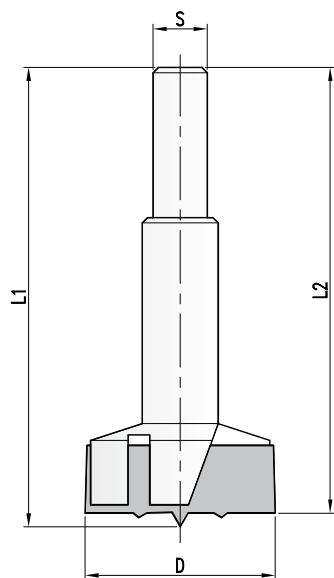

**Schaft Ø 10**  
 Shank Ø 10

**MAN**
**HW**

D	L2	L1	S	Z	V	Art. Nr. LH	Art. Nr. RH
15	55,5	<b>57,5</b>	10x26	2	2	<b>8263.015.156</b>	<b>8263.015.056</b>
16	55,5	57,5	10x26	2	2	<b>8263.016.156</b>	<b>8263.016.056</b>
18	55,5	57,5	10x26	2	2	<b>8263.018.156</b>	<b>8263.018.056</b>
20	55,5	57,5	10x26	2	2	<b>8263.020.156</b>	<b>8263.020.056</b>
22	55,5	57,5	10x26	2	2	<b>8263.022.156</b>	<b>8263.022.056</b>
24	55,5	57,5	10x26	2	2	<b>8263.024.156</b>	<b>8263.024.056</b>
25	55,5	57,5	10x26	2	2	<b>8263.025.156</b>	<b>8263.025.056</b>
26	55,5	57,5	10x26	2	2	<b>8263.026.156</b>	<b>8263.026.056</b>
28	55,5	57,5	10x26	2	2	<b>8263.028.156</b>	<b>8263.028.056</b>
30	55,5	57,5	10x26	2	2	<b>8263.030.156</b>	<b>8263.030.056</b>
32	55,5	57,5	10x26	2	2	<b>8263.032.156</b>	<b>8263.032.056</b>
35	55,5	57,5	10x26	2	2	<b>8263.035.156</b>	<b>8263.035.056</b>
38	55,5	57,5	10x26	2	2	<b>8263.038.156</b>	<b>8263.038.056</b>
40	55,5	57,5	10x26	2	2	<b>8263.040.156</b>	<b>8263.040.056</b>
50	55,5	57,5	10x26	2	2	<b>8263.050.156</b>	<b>8263.050.056</b>
60	55,5	57,5	10x26	2	2	<b>8263.060.156</b>	<b>8263.060.056</b>
15	68,8	<b>70</b>	10x40	2	2	<b>8263.015.168</b>	<b>8263.015.068</b>
16	68,8	70	10x40	2	2	<b>8236.016.168</b>	<b>8236.016.068</b>
18	68,8	70	10x40	2	2	<b>8236.018.168</b>	<b>8236.018.068</b>
20	68,8	70	10x40	2	2	<b>8236.020.168</b>	<b>8236.020.068</b>
22	68,8	70	10x40	2	2	<b>8236.022.168</b>	<b>8236.022.068</b>
24	68,8	70	10x40	2	2	<b>8236.024.168</b>	<b>8236.024.068</b>
25	68,8	70	10x40	2	2	<b>8236.025.168</b>	<b>8236.025.068</b>
26	68,8	70	10x40	2	2	<b>8236.026.168</b>	<b>8236.026.068</b>
28	68,8	70	10x40	2	2	<b>8236.028.168</b>	<b>8236.028.068</b>
30	68,8	70	10x40	2	2	<b>8236.030.168</b>	<b>8236.030.068</b>
32	68,8	70	10x40	2	2	<b>8236.032.168</b>	<b>8236.032.068</b>
35	68,8	70	10x40	2	2	<b>8236.035.168</b>	<b>8236.035.068</b>
38	68,8	70	10x40	2	2	<b>8236.038.168</b>	<b>8236.038.068</b>
40	68,8	70	10x40	2	2	<b>8236.040.168</b>	<b>8236.040.068</b>

- Zum Bohren von Beschlag- und Topfbandbohrungen. Ausführungen 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 chip-breakers for better chipremovement and better finishing.*





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

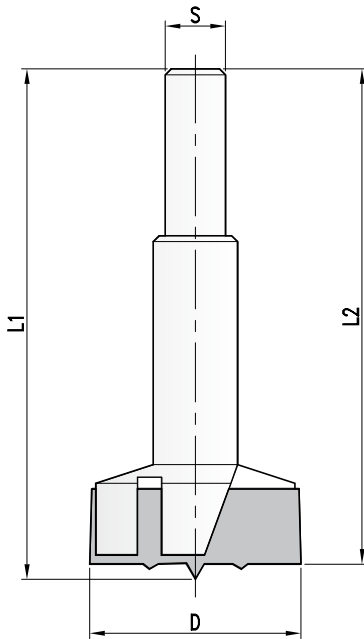
Schaft  $\varnothing$  10, 13, 16, 20 mm  
Shank  $\varnothing$  10, 13, 16, 20 mm

**MAN**

**HW**

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



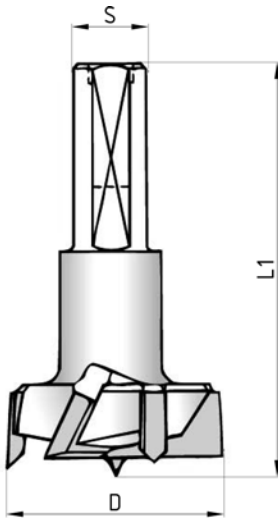
- Lange Ausführung
- Ohne Spannfläche und Einstellschraube
- *Long type*
- *Without clamping flat and adjusting screw*

**Schaft Ø 13, 16, 20 mm**  
*Shank Ø 13, 16, 20 mm*
**MAN****HW**

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

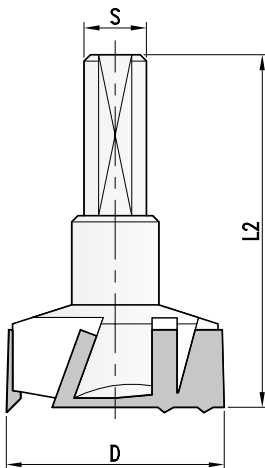
- Zum Bohren von Beschlag- und Topfbandbohrungen. Ausführung mit zwei Vorschneidern und Zentrierspitze.
- *For drilling hinge holes. Version with two rakers, two spurs and center point.*



**8173**
**HW Zylinderkopfbohrer Z3+V3 - Festbestückt**  
*TC Hinge boring bit Z3+V3 - Tipped*
**PG**  
**02**

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

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

- Zum Bohren von Beschlag- und Topfbandbohrungen. Ausführung mit drei Räumern, drei Vorschneidern und Zentrierspitze.
- 3-Schneider für erhöhte Bohrleistung.
- *For drilling hinge holes. Version with three rakers, three spurs and center point.*
- *3-lipped for higher drill performance.*

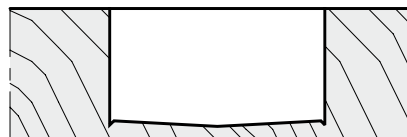
**8183**
**HW Zylinderkopfbohrer, verkürzte Zentrierspitze - Festbestückt**  
*TC Hinge boring bit, reduced centering point - Tipped*
**PG**  
**02**

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

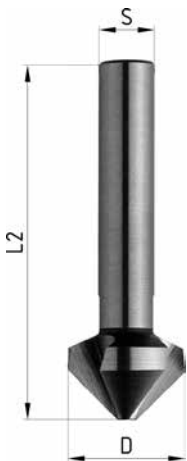
D	L2	S	Z	V	Art. Nr. LH	Art. Nr. RH
25	55,5	10x26	3	3	<b>8183.025.156</b>	<b>8183.025.056</b>
30	55,5	10x26	3	3	<b>8183.030.156</b>	<b>8183.030.056</b>
35	55,5	10x26	3	3	<b>8183.035.156</b>	<b>8183.035.056</b>

- 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.*

**Ersatzteile**  
*Spare parts*

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



**3479****HSS-Senker - Massiv**  
HSS-Counter sinks - SolidPG  
02**HSS-Senker**  
HSS-countersinks

MAN

HW

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

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

**3459****HSS-Querlochsinker - Massiv**  
HSS-Crosshole sinks - SolidPG  
02**HSS Senker**  
HSS Countersinks

MAN

HW

D	L2	S	Z	Art. Nr.
21	65	10	1	<b>3459.021.065</b>
27,5	85	12	1	<b>3459.028.085</b>
35	102	15	1	<b>3459.035.102</b>

- Zum nachträglichen Ansenken von Bohrungen. Querlochsinker 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.

01



Säge

02



Hobeln

03



Hobeln / Fräsen

04



Profilfräsen

05



Nib- und Reibfräsen

06



Ob- und Reibfräsen

07



Bohren

08



PKD-Werkzeuge

09



Spannen

10

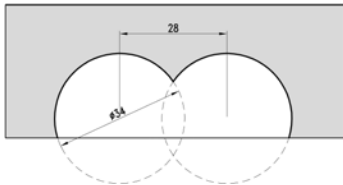
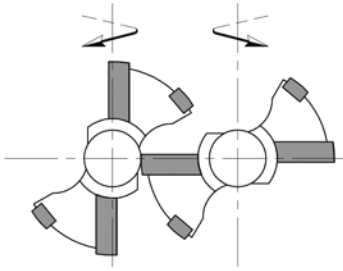


Ersatzteile

11



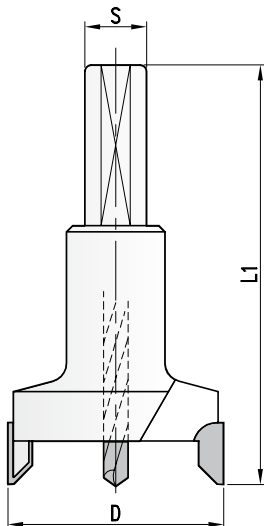
Informationen

**8273****HW Doppel Topfbandbohrer, System MACO TREND - Festbestückt**  
*TC Double head hinge boring bit, system MACO TREND - Tipped***PG  
02****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	L2	L1	S	V	Art. Nr. LH	Art. Nr. RH
34	57,5	10x26	2	2	<b>8273.034.158</b>	<b>8273.034.058</b>

- 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.*

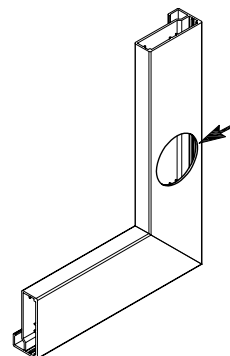
**8193****HW Zylinderkopfbohrer für Aluminiumprofile - Festbestückt**  
*TC Hinge boring bit for aluminium profiles - Tipped***PG  
02****Schaft  $\varnothing$  10**  
*Shank  $\varnothing$  10***MAN****HW**

D	L2	S	Z	Art. Nr.
26	70	10x26	2	<b>8193.026.070</b>
35	70	10x26	2	<b>8193.035.070</b>

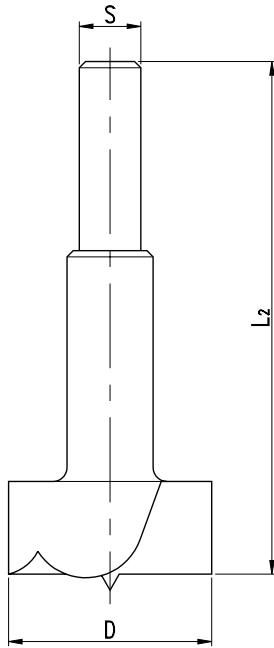
- Zum Bohren von Beschlagbohrungen in Aluminiumprofile. Ausführung mit drei Vorschneidern.
- *For drilling hinge holes into aluminium profiles. Version with three spurs.*

**Ersatzteile**  
*Spare parts*

	Dim.	Art. Nr.
Einstellschraube - <i>Adjusting screw</i>	M5x10	<b>705.103</b>
Zentrierschraube - <i>Center point</i>		<b>A201.004.130.04</b>
Gewindestift - <i>Screw</i>	M5x5	<b>705.102</b>

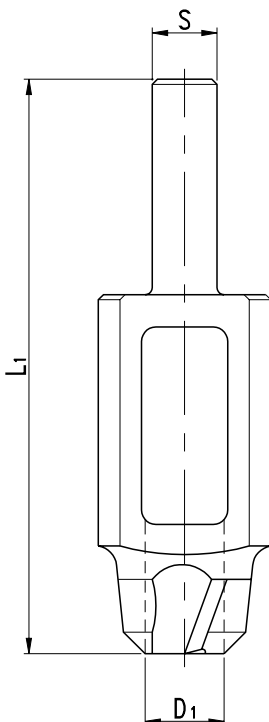




**3465****SP Forstnerbohrer - Massiv**  
*Sp Forstner bit - Solid***PG  
02****Schaft  $\varnothing$  13, 16 mm**  
*Shank  $\varnothing$  13, 16 mm***MAN****SP**

D	L2	S	Z	V	Art. Nr.
10	92	8x28	2	2	<b>3465.010.092</b>
12	92	8x28	2	2	<b>3465.012.092</b>
14	92	8x28	2	2	<b>3465.014.092</b>
15	92	8x28	2	2	<b>3465.015.092</b>
16	92	8x28	2	2	<b>3465.016.092</b>
18	92	8x28	2	2	<b>3465.018.092</b>
20	92	8x28	2	2	<b>3465.020.092</b>
22	92	8x28	2	2	<b>3465.022.092</b>
24	92	8x28	2	2	<b>3465.024.092</b>
25	92	8x28	2	2	<b>3465.025.092</b>
26	92	8x28	2	2	<b>3465.026.092</b>
28	92	8x28	2	2	<b>3465.028.092</b>
30	92	8x28	2	2	<b>3465.030.092</b>
32	92	8x28	2	2	<b>3465.032.092</b>
34	92	8x28	2	2	<b>3465.034.092</b>
35	92	10x28	2	2	<b>3465.035.092</b>
36	92	10x28	2	2	<b>3465.036.092</b>
38	92	10x28	2	2	<b>3465.038.092</b>
40	92	10x28	2	2	<b>3465.040.092</b>
45	92	10x28	2	2	<b>3465.045.092</b>
50	92	10x28	2	2	<b>3465.050.092</b>

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

**3495****WS Scheibenschneider - Massiv**  
*WS Plug cutter - Solid***PG  
02****Schaft  $\varnothing$  13, 16 mm**  
*Shank  $\varnothing$  13, 16 mm***MAN****WS**

D	L1	S	Z	Art. Nr.
10	140	13x50	4	<b>3495.010.140</b>
12	140	13x50	4	<b>3495.012.140</b>
15	140	13x50	4	<b>3495.015.140</b>
20	140	13x50	4	<b>3495.020.140</b>
25	140	13x50	5	<b>3495.025.140</b>
30	140	13x50	5	<b>3495.030.140</b>
35	140	16x50	5	<b>3495.035.160</b>
40	140	16x50	6	<b>3495.040.160</b>
45	140	16x50	6	<b>3495.045.160</b>
50	140	16x50	6	<b>3495.050.160</b>

- 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.*



