


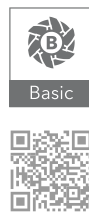
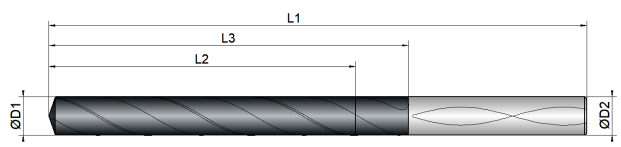
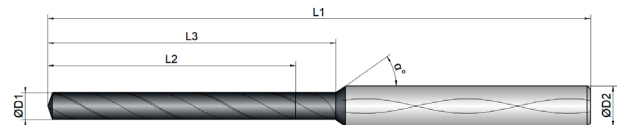




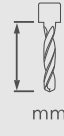


Cooling	
Tolerance	h7
Coating	BetaUni Iron




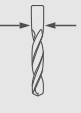

Strategy	UNI	HPC		
Application				
Features	HA	8xD	140°	











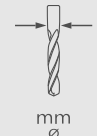

- Versatile universal geometry
 - Double-guided chip space for ideal chip evacuation
 - Polished surfaces for minimised frictional resistance
-
- Specially curved face cutting edge for higher feed rates and secure centring



BCU1-D01-0233	D1  mm ø	L2  mm	L3  mm	D2  mm ø	L1  mm
3	3	30	34	6	72
3,1	3.1	30	34	6	72
1/8	3.175 (1/8 ")	30	34	6	72
3,2	3.2	30	34	6	72
3,3	3.3	30	34	6	72
3,4	3.4	30	34	6	72
3,5	3.5	30	34	6	72
3,6	3.6	30	34	6	72
3,7	3.7	30	34	6	72
3,8	3.8	37	43	6	81
3,9	3.9	37	43	6	81
5/32	3.96875 (5/32 ")	37	43	6	81
4	4	37	43	6	81
4,1	4.1	37	43	6	81
4,2	4.2	37	43	6	81
4,3	4.3	37	43	6	81


BCU1-D01-0233	 D1 mm ∅	 L2 mm	 L3 mm	 D2 mm ∅	 L1 mm
4,4	4.4	37	43	6	81
4,5	4.5	37	43	6	81
4,6	4.6	37	43	6	81
4,7	4.7	37	43	6	81
3/16	4.7625 (3/16 ")	49	57	6	95
4,8	4.8	49	57	6	95
4,9	4.9	49	57	6	95
5	5	49	57	6	95
5,1	5.1	49	57	6	95
5,2	5.2	49	57	6	95
5,3	5.3	49	57	6	95
5,4	5.4	49	57	6	95
5,5	5.5	49	57	6	95
7/32	5.55625 (7/32 ")	49	57	6	95
5,6	5.6	49	57	6	95
5,7	5.7	49	57	6	95
5,8	5.8	49	57	6	95
5,9	5.9	49	57	6	95
6	6	49	57	6	95
6,1	6.1	65	76	8	114
6,2	6.2	65	76	8	114
6,3	6.3	65	76	8	114
6,35	6.35	65	76	8	114
6,4	6.4	65	76	8	114
6,5	6.5	65	76	8	114
6,6	6.6	65	76	8	114
6,7	6.7	65	76	8	114
6,8	6.8	65	76	8	114
6,9	6.9	65	76	8	114

BCU1-D01-0233	 mm ∅	 mm	 mm	 mm ∅	 mm
7	7	65	76	8	114
7,1	7.1	65	76	8	114
9/32	7.14375 (9/32 ")	65	76	8	114
7,2	7.2	65	76	8	114
7,3	7.3	65	76	8	114
7,4	7.4	65	76	8	114
7,5	7.5	65	76	8	114
7,6	7.6	65	76	8	114
7,7	7.7	65	76	8	114
7,8	7.8	65	76	8	114
7,9	7.9	65	76	8	114
5/16	7.9375 (5/16 ")	65	76	8	114
8	8	67	76	8	114
8,1	8.1	81	95	10	142
8,2	8.2	81	95	10	142
8,3	8.3	81	95	10	142
8,4	8.4	81	95	10	142
8,5	8.5	81	95	10	142
8,6	8.6	81	95	10	142
8,7	8.7	81	95	10	142
11/32	8.73125 (11/32 ")	81	95	10	142
8,8	8.8	81	95	10	142
8,9	8.9	81	95	10	142
9	9	81	95	10	142
9,1	9.1	81	95	10	142
9,2	9.2	81	95	10	142
9,3	9.3	81	95	10	142
9,4	9.4	81	95	10	142
9,5	9.5	81	95	10	142

BCU1-D01-0233	D1	L2	L3	D2	L1
	 mm ∅	 mm	 mm	 mm ∅	 mm
9,6	9.6	81	95	10	142
9,7	9.7	81	95	10	142
9,8	9.8	81	95	10	142
9,9	9.9	81	95	10	142
10	10	81	95	10	142
10,1	10.1	97	114	12	162
10,2	10.2	97	114	12	162
10,3	10.3	97	114	12	162
13/32	10.3187 (13/32 ")	97	114	12	162
10,4	10.4	97	114	12	162
10,5	10.5	97	114	12	162
10,8	10.8	97	114	12	162
11	11	97	114	12	162
7/16	11.1125 (7/16 ")	97	114	12	162
11,2	11.2	97	114	12	162
11,3	11.3	97	114	12	162
11,4	11.4	97	114	12	162
11,5	11.5	97	114	12	162
11,7	11.7	97	114	12	162
11,8	11.8	97	114	12	162
12	12	97	114	12	162
12,2	12.2	113	133	14	178
12,5	12.5	113	133	14	178
12,7	12.7	113	133	14	178
12,8	12.8	113	133	14	178
13	13	113	133	14	178
13,5	13.5	113	133	14	178
13,8	13.8	113	133	14	178
14	14	113	133	14	178

EXPLANATION

































APPLICATIONS

 Multipass milling	 Trimming	 Deburring	 Engraving
 Corner rounding	 Full slot milling	 Forward and backward deburring	 Infeed Z






COOLINGS

 Air-cooling	 Dry machining	 Oil cooling	 Cooling Lubricant
 Minimum quantity lubrication			

FEATURES


















 0,5xD	 1xD	 1,5xD	 2xD
 2,5xD	 3xD	 3,5xD	 4xD
 5xD	 8xD	 Center cutting	 Non-center cutting
 Without Weldon	 With Weldon	 With Notch surface	 Internal cooling
 Twisted internal cooling	 Dynamic helical pitch	 Chip breaker	 Unequal tooth pitch
 Roughing teeth	 Helical immersion	 Feed directions x,y	 Feed directions x, y, z
 Feed directions x, y, (z)	 Feed direction z	 Corner radius	 Corner bevel
 Sharp edged	 60° Tip	 90° Tip	 140° Tip

STRATEGY

 Extended Trochoidal Cutting	 High Performance Cutting	 High Speed Cutting	 Multi Task Cutting
 Universal Machining			



PROPERTIES

 Cutting diameter	 Small cutting diameter	 Large cutting diameter	 Undercut diameter
 Cutting length	 Total bevel length	 Undercut length	 Total length
 Shank diameter	 Number of teeth	 Corner radius	 Corner bevel
 Programming radius	 Maximum cutting depth	 Helical angle	 Alpha angle
 Recess and cut length			

APPLICATION TABLE

The values given in the application table are only guidelines. These values are largely dependent on the machining situation and application.

FIGURES

All technical drawings and photographs are given as an example. The product may deviate from the original in terms of colour and dimensions.