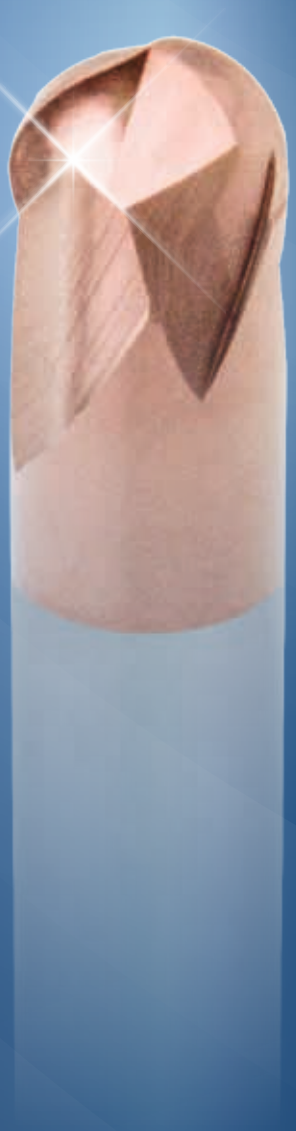
WEDCO
Tool Competence

SGSP-HICUT

FOR HARD MACHINING

+ **Hard Machining up to 70 HRC**
+ **The tool life is improved by up to 30 %**
+ **Suitable for wet and dry processing**
+ **Improved process reliability by sustainable performance**
+ **Precise contouring of the workpiece**



TECHNICAL DETAILS

ULTRA-FINE-GRAINED-CARBIDES

- Smallest grain size with high hardness
- The carbide is composed especially for hard machining

OPTIMIZED CUTTING EDGE GEOMETRY

- Improved chip removal and tool stability

NEW COATING TECHNOLOGY

- Higher density, finer structure and a smoother surface than conventional multilayer coating systems
- Counteracts the premature wear that is caused by high temperature differences

VSO OPTIMIZING

- Improved cutting edge stability by particularly homogenous cutting edges
- Minimization of edge chipping and microcracks

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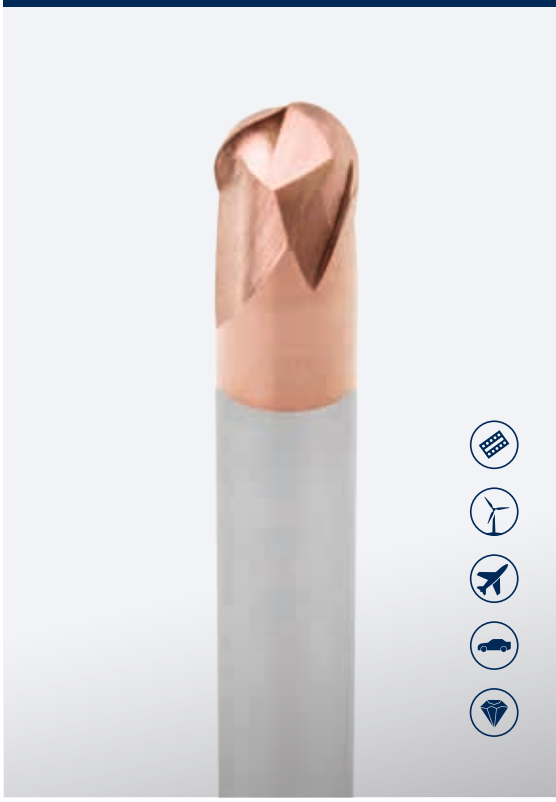
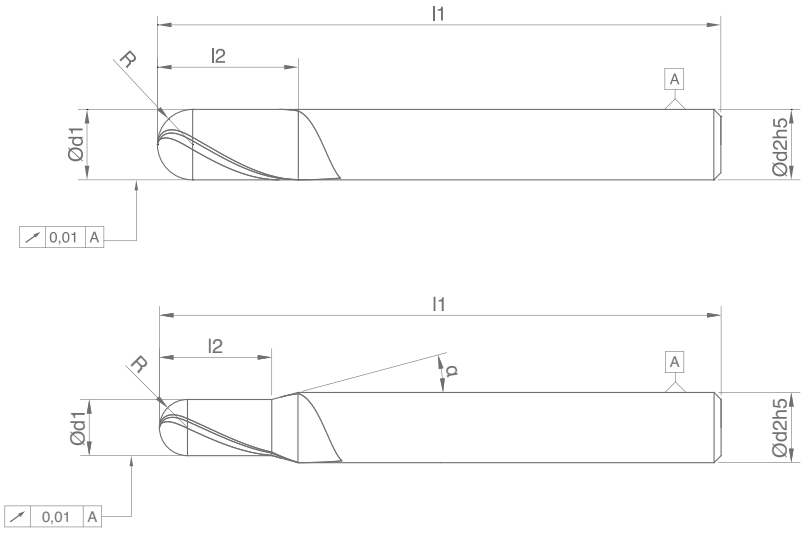
S.C. BALL CUTTER
for hard machining

SGSP-HICUT





WETS
VSO
HA DIN6535
HSC
HPC
30° HELIX
<70 HRC

Art. Nr.	Ød1	Ød2	l1	l2	R	α	Z
SGSP 050 01002-HICUT	1	6	50	1	0,5	30°	2
SGSP 050 01502-HICUT	1,5	6	50	1,3	0,75	30°	2
SGSP 050 02002-HICUT	2	6	50	1,5	1	30°	2
SGSP 050 02502-HICUT	2,5	6	50	1,8	1,25	30°	2
SGSP 050 03002-HICUT	3	6	50	2	1,5	30°	2
SGSP 050 04002-HICUT	4	6	50	2,5	2	30°	2
SGSP 060 06002-HICUT	6	6	60	3,5	3	-	2
SGSP 070 08002-HICUT	8	8	70	4,5	4	-	2
SGSP 070 10002-HICUT	10	10	70	5,5	5	-	2
SGSP 090 12002-HICUT	12	12	90	6,5	6	-	2

TOLERANCES

Ød1 < d2	Ød1 = d2 ≤ Ø12	Ød1 = d2 > Ø12	Ød1 < d2	Ød1 = d2
+0,00 / -0,01	-0,01 / -0,02	-0,01 / -0,025	R +0,00 / -0,007	R +0,00 / -0,012

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