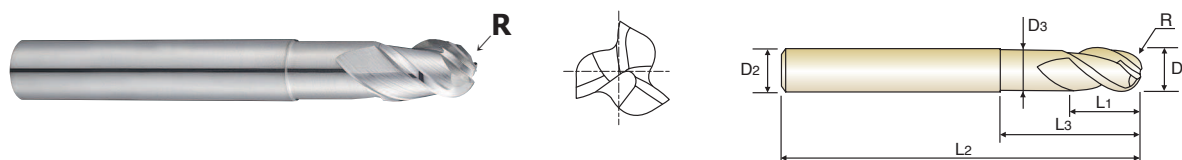


**CARBIDE, 3 FLUTE 40° HELIX BALL NOSE with NECK**  
**VOLLHARTMETALL, 3 SCHNEIDEN 40° RECHTSSPIRALE STIRNRADIUS mit ABGESETZTEM SCHAFTTETTEL**

- ▶ Excellent cutting qualities on aluminum, copper
- ▶ Increased tool life and higher cutting accuracy
- ▶ Mirror surface - Excellent surface finishes

- ▶ Ausgezeichnete Schneideigenschaften in Aluminium, Kupfer
- ▶ Verbesserte Standzeiten und höhere Fräsgenauigkeit.
- ▶ Spiegel-Oberfläche - Hervorragendes Oberflächenfinishing.



Unit : mm

EDP No.	Radius of Ball Nose R (±0.01)	Mill Diameter D1	Shank Diameter D2	Length of Cut L1	Length Below Shank L3	Overall Length L2	Neck Diameter D3
E5908020	R1.0	2.0	6	3	5	60	1.9
E5908025	R1.25	2.5	6	4	6	60	2.4
E5908030	R1.5	3.0	6	4.5	6.5	60	2.8
E5908035	R1.75	3.5	6	5	7	65	3.2
E5908040	R2.0	4.0	6	6	8	65	3.7
E5908050	R2.5	5.0	6	7.5	10	65	4.6
E5908060	R3.0	6.0	6	9	12	75	5.6
E5908080	R4.0	8.0	8	12	25	75	7.4
E5908100	R5.0	10.0	10	15	30	80	9.4
E5908120	R6.0	12.0	12	18	36	90	11.4
E5908160	R8.0	16.0	16	24	40	100	15.4

▶ TiN, TiCN-COATING &amp; TiAlN-COATING are available on your request.

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~-0.03	h6

◎ : Excellent ○ : Good

Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel	Acrylic	CFRP
~HB225	HB225~325	HRc30~40	HRc40~45 HRc45~55	HRc55~70									
					○			◎					

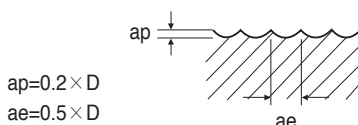


**RECOMMENDED CUTTING CONDITIONS**  
**EMPFOHLENE SCHNEIDKONDITIONEN**

**CARBIDE, 2 FLUTE 50° HELIX BALL NOSE**  
**VOLLHARTMETALL, 2 SCHNEIDEN 50° RECHTSSPIRALE STIRNRADIUS**

**E5910** SERIES

MATERIAL	ALUMINUM ALUMINUM ALLOY				COPPER ALLOY			
	DIAMETER	RPM	FEED	Vc	Fz	RPM	FEED	Vc
R3.0 × 6.0	14400	1400	270	0.049	4400	350	85	0.040
R4.0 × 8.0	11200	1600	280	0.071	3360	400	85	0.060
R5.0 × 10.0	11200	1880	350	0.084	3360	465	105	0.069
R6.0 × 12.0	11200	2400	420	0.107	3360	600	125	0.089
R8.0 × 16.0	8800	2160	440	0.123	2640	535	135	0.101
R10.0 × 20.0	5600	1760	350	0.157	1680	440	105	0.131

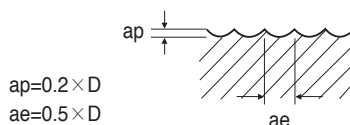


RPM = rev./min.  
FEED = mm/min.  
Vc = m/min.  
fz = mm/t

**CARBIDE, 3 FLUTE 40° HELIX BALL NOSE**  
**VOLLHARTMETALL, 3 SCHNEIDEN 40° RECHTSSPIRALE STIRNRADIUS**

**E5908** SERIES

MATERIAL	ALUMINUM ALUMINUM ALLOY				COPPER ALLOY			
	DIAMETER	RPM	FEED	Vc	Fz	RPM	FEED	Vc
R1.0 × 2.0	21600	760	135	0.018	6400	190	40	0.015
R1.25 × 2.5	17600	760	140	0.022	5200	190	40	0.018
R1.5 × 3.0	14400	760	135	0.026	4400	190	40	0.022
R1.75 × 3.5	14400	800	160	0.028	4400	190	50	0.022
R2.0 × 4.0	14400	1000	180	0.035	4400	250	55	0.028
R2.5 × 5.0	14400	1080	225	0.038	4400	270	70	0.031
R3.0 × 6.0	14400	1400	270	0.049	4400	350	85	0.040
R4.0 × 8.0	11200	1600	280	0.071	3360	400	85	0.060
R5.0 × 10.0	11200	1880	350	0.084	3360	465	105	0.069
R6.0 × 12.0	11200	2400	420	0.107	3360	600	125	0.089
R8.0 × 16.0	8800	2160	440	0.123	2640	535	135	0.101



RPM = rev./min.  
FEED = mm/min.  
Vc = m/min.  
fz = mm/t