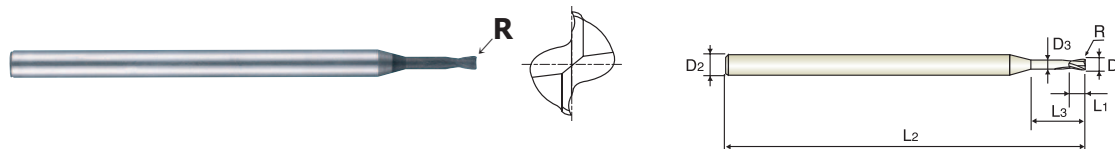


## CARBIDE, 2 FLUTE MINIATURE CORNER RADIUS VOLLHARTMETALL, 2 SCHNEIDEN MINI ECKENRADIUS

- ▶ Higher hardness of film and excellent wear-resistance increase the tool life surprisingly.
  - ▶ Ultra fine film of YG-1's diamond coated carbide end mills ensure the smooth and excellent surface on work materials.
  - ▶ High performance on graphite, wrought aluminum, bakelite, plastics, wood, brass etc. YG-1's diamond coated carbide end mills have good result for the machining of non-ferrous metals and non-metallic materials.
- ▶ Höhere Härte der Beschichtung und ausgezeichnete Verschleißfestigkeit verlängern die Standzeit beachtlich.
  - ▶ Ultrafeiner Film auf YG-1 Diamant - beschichteten Hartmetall Schaffräser gewährleisten eine glatte und ausgezeichnete Oberflächengüte.
  - ▶ Hohe Leistungsfähigkeit bei Graphit, Aluminium ohne Silicon, Bakelit, Plastik, Holz, Messing, etc. YG-1 Diamant - beschichtete Hartmetall Schaffräser zeigen gute Ergebnisse beim Bearbeiten von NE - Metallen und Nichtmetall - Werkstoffen.



Unit : mm

EDP No.	Corner Radius	Mill Diameter	Shank Diameter	Length of Cut	Length Below Shank	Overall Length	Neck Diameter
	R	D1	D2	L1	L3	L2	D3
EI99600200000	-	0.2	3	0.3	-	40	-
EI99600300000	-	0.3	3	0.5	-	40	-
EI99600400000	-	0.4	3	0.6	-	40	-
EI99600505025	RO.05	0.5	3	0.7	2.5	40	0.45
EI99600505040	RO.05	0.5	3	0.7	4	40	0.45
EI996006	RO.05	0.6	3	0.9	3	40	0.55
EI99600605050	RO.05	0.6	3	0.9	5	40	0.55
EI996008	RO.05	0.8	3	1.2	4	40	0.75
EI99600805070	RO.05	0.8	3	1.2	7	40	0.75
EI996010	RO.1	1.0	3	1.5	5	40	0.95
EI996904	RO.1	1.0	3	1.5	8.5	40	0.95
EI99601010120	RO.1	1.0	3	1.5	12	40	0.95
EI996012	RO.1	1.2	3	1.8	6	50	1.15
EI99601210100	RO.1	1.2	3	1.8	10	50	1.15
EI996015	RO.15	1.5	3	2.2	7.5	50	1.4
EI996907	RO.15	1.5	3	2.2	12	50	1.4
EI99601515180	RO.15	1.5	3	2.2	18	50	1.4
EI996020	RO.15	2.0	3	2.2	10	60	1.9
EI996909	RO.15	2.0	3	2.2	16	60	1.9
EI99602015250	RO.15	2.0	3	2.2	25	60	1.9
EI99603020100	RO.2	3.0	4	3	10	65	2.9
EI99603020150	RO.2	3.0	4	3	15	65	2.9
EI99603020200	RO.2	3.0	4	3	20	65	2.9
EI99603020250	RO.2	3.0	4	3	25	75	2.9
EI99603020300	RO.2	3.0	4	3	30	75	2.9
EI99604020200	RO.2	4.0	6	4	20	65	3.9
EI99604020300	RO.2	4.0	6	4	30	75	3.9
EI99604020400	RO.2	4.0	6	4	40	90	3.9

◎ : Excellent ○ : Good

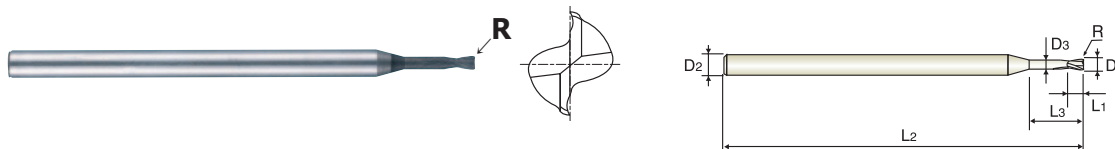
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRc40~45	HRc45~55	HRC55~70							
							◎		○			



PLAIN SHANK  
GLATTER ZYLINDERSCHAFT

## CARBIDE, 2 FLUTE MINIATURE CORNER RADIUS VOLLHARTMETALL, 2 SCHNEIDEN MINI ECKENRADIUS

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Unit : mm

EDP No.	Corner Radius R	Mill Diameter D1	Shank Diameter D2	Length of Cut L1	Length Below Shank L3	Overall Length L2	Neck Diameter D3
EI99605030200	RO.3	5.0	6	5	20	75	4.9
EI99605030300	RO.3	5.0	6	5	30	75	4.9
EI99605030400	RO.3	5.0	6	5	40	90	4.9
EI99605030500	RO.3	5.0	6	5	50	90	4.9
EI99606030300	RO.3	6.0	6	6	30	75	5.9
EI99606030400	RO.3	6.0	6	6	40	90	5.9
EI99606030500	RO.3	6.0	6	6	50	90	5.9
EI99606030600	RO.3	6.0	6	6	60	100	5.9

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~-0.02	h6

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

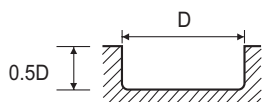
◎ : Excellent ○ : Good

## CARBIDE, 2 FLUTE MINIATURE CORNER RADIUS

VOLLHARTMETALL, 2 SCHNEIDEN MINI ECKENRADIUS

### EI996, EIB86 SERIES

MATERIAL	GRAPHITE	
	DIAMETER	RPM
0.4	40000	640
0.6	40000	640
0.8	40000	800
1.0	40000	960
1.2	40000	1200
1.5	40000	1440
2.0	40000	1600
3.0	27000	1900
4.0	20000	2300
5.0	16000	2300
6.0	14000	2300



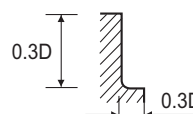
RPM = rev./min.  
FEED = mm/min.

## CARBIDE, 4 FLUTE CORNER RADIUS

VOLLHARTMETALL, 4 SCHNEIDEN ECKENRADIUS

### EIB88 SERIES

MATERIAL	GRAPHITE	
	DIAMETER	RPM
6.0	40000	5600
8.0	32000	5600
10.0	26000	5700
12.0	21000	5450



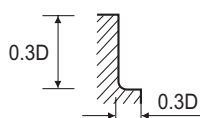
RPM = rev./min.  
FEED = mm/min.

## CARBIDE, 3 FLUTE 40° HELIX CORNER RADIUS

VOLLHARTMETALL, 3 SCHNEIDEN 40° RECHTSSPIRALE  
ECKENRADIUS

### EIA13, EIA14 SERIES

MATERIAL	GRAPHITE	
	DIAMETER	RPM
2.0	40000	3000
3.0	40000	4200
4.0	40000	6000
5.0	40000	7200
6.0	40000	8400
8.0	32000	8400
10.0	26000	8600
12.0	21000	8200



※ The FEED, in long & long reach types,  
should be reduced by around 50%

RPM = rev./min.  
FEED = mm/min.