

Ball-nose End Mill (Copying)

No. of Flutes: 2, 3

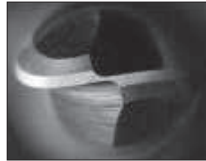
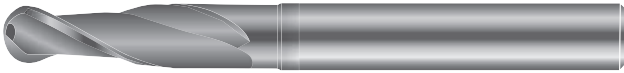
2UEBS (Ball-nose End Mill with 2 Flutes)

Workpiece Materials ★ 1st choice

★
P
~30HRC

★
P
30~40HRC

★
K
Cast Iron



TiAlN

±0.01
mm
R_s

h6
Shank Dia.

30°

3UEBS (Ball-nose End Mill with 3 Flutes)

Workpiece Materials ★ 1st choice

★
P
~30HRC

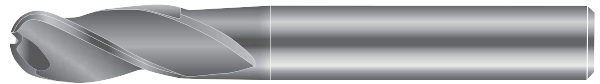
★
P
30~40HRC

★
M
Stainless steel

★
S
Titanium Alloys

★
K
Cast Iron

★
N
Aluminum & Non-ferrous Metals



TiAlN

±0.01
mm
R_s

h6
Shank Dia.

30°

2UEBS (Ball-nose End Mill with 2 Flutes)

Copying

(Unit : mm)

Description	Std.	Radius of Ball Nose		Mill Dia. tolerance	Length of cut ℓ	Neck Dia. φD1	Under Neck Length ℓ2	Shank diameter φDs	Overall length L
		R	φDc						
2UEBS010-030-04	<input type="checkbox"/>	R0.5	1	-0.014 -0.028	3	-	-	4	50
2UEBS020-030-04	<input type="checkbox"/>	R1	2	-0.014 -0.028	3	-	-	4	50
2UEBS030-095-06	<input type="checkbox"/>	R1.5	3	-0.014 -0.028	9.5	-	-	6	58
2UEBS040-120-06	<input type="checkbox"/>	R2	4	-0.020 -0.038	12	-	-	6	76
2UEBS050-140-06	<input type="checkbox"/>	R2.5	5	-0.020 -0.038	14	-	-	6	76
2UEBS060-160-06	<input type="checkbox"/>	R3	6	-0.020 -0.038	16	5.5	40	6	100
2UEBS080-200-08	<input type="checkbox"/>	R4	8	-0.025 -0.047	20	7.5	40	8	100
2UEBS100-220-10	<input type="checkbox"/>	R5	10	-0.025 -0.047	22	9.5	35	10	100
2UEBS120-250-12	<input type="checkbox"/>	R6	12	-0.032 -0.059	25	11.5	50	12	125
2UEBS160-320-16	<input type="checkbox"/>	R8	16	-0.032 -0.059	32	15.5	60	16	150
2UEBS200-380-20	<input type="checkbox"/>	R10	20	-0.040 -0.073	38	19.5	60	20	150

※ Actual ball-nose radius will be half of actual measurement of outer diameter.

3UEBS (Ball-nose End Mill with 3 Flutes)

Copying

(Unit : mm)

Description	Std.	Radius of Ball Nose		Mill Dia. tolerance	Length of cut ℓ	Shank diameter φDs	Overall length L
		R	φDc				
3UEBS030-070-06	<input type="checkbox"/>	R1.5	3	-0.014 -0.028	7	6	57
3UEBS040-080-06	<input type="checkbox"/>	R2	4	-0.020 -0.038	8	6	57
3UEBS050-100-06	<input type="checkbox"/>	R2.5	5	-0.020 -0.038	10	6	57
3UEBS060-100-06	<input type="checkbox"/>	R3	6	-0.020 -0.038	10	6	57
3UEBS080-160-08	<input type="checkbox"/>	R4	8	-0.025 -0.047	16	8	63
3UEBS100-190-10	<input type="checkbox"/>	R5	10	-0.025 -0.047	19	10	72
3UEBS120-220-12	<input type="checkbox"/>	R6	12	-0.032 -0.059	22	12	83

● Ball-nose end mill with three flutes for cutting of difficult-to-cut materials.

Recommended Cutting Conditions ● L45

: Check Availability

L

Solid End Mill