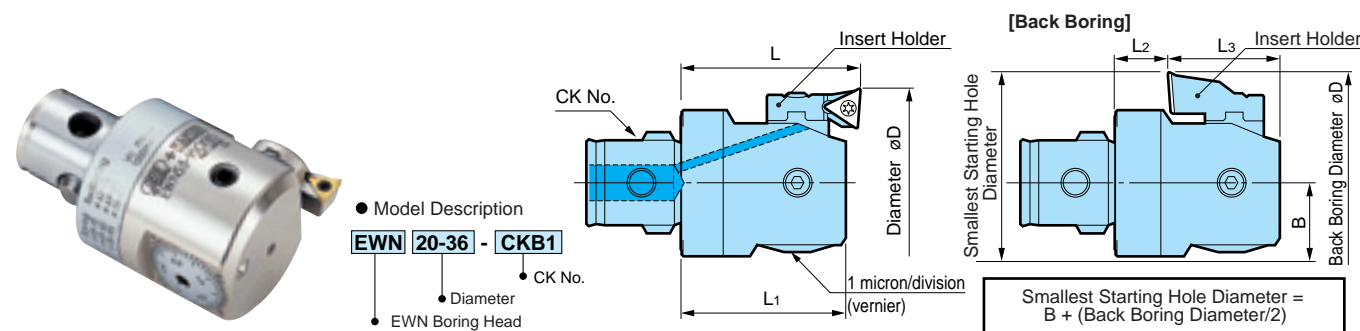


EWN BORING HEAD PAT. Diameter $\phi 20-\phi 203$

Coolant-Through Hole V max. 1,200m/min.

Reliable scale screw, 1 div = 0.01mm on diameter and vernier scale.

- Stable and higher precision achieved by pre-balanced design.
- Back boring is available as standard feature for greater versatility.



Model	CK No.	Insert Holder	Boring			Back Boring				Weight (kg)	Insert
			Diameter ϕD	L	L ₁	Diameter ϕD	L ₂	L ₃	B		
EWN 20-36CKB1	1	ENH1-1	20- 26	32.5	29.5	-	10.5	19	10	0.07	TP08
		ENH1-2	25- 31			30- 31					
		ENH1-3	30- 36			30- 36					
EWN 25-47CKB2	2	ENH2-1	25- 33	35.5	32.5	-	11.5	21	12.5	0.12	TP08
		ENH2-2	32- 40			36- 40					
		ENH2-3	39- 47			39- 47					
EWN 32-60CKB3	3	ENH3-1	32- 42	40	35	-	10	25	16	0.21	TP08
		ENH3-2	41- 51			46- 51					
		ENH3-3	50- 60			50- 60					
EWN41-74CKB4	4	ENH4-1	41- 54	47	43	-	14	29	20	0.40	TP08
		ENH4-2	50- 63			53- 63					
		ENH4-3	61- 74			61- 74					
EWN53-95CKB5	5	ENH5-1	53- 70	57	53	-	19	34	25.5	1.10	TP08
		ENH5-2	65- 82			65- 82					
		ENH5-3	78- 95			78- 95					
EWN68-150CKB6	6	ENH6-1	68-100	71	67.2	-	22	45.2	32.5	1.74	TC11
		ENH6-2	94-126			94-126					
		ENH6-3	118-150			118-150					
EWN100-203CKB6	6	ENH6-1	100-153	71	67.2	-	22	45.2	45.5	2.46	TC11
		ENH6-2	126-179			126-179					
		ENH6-3	150-203			150-203					
EWN100-203CKB7	7	ENH6-1	100-153	87	83.2	-	38	45.2	45.5	2.96	TC11
		ENH6-2	126-179			126-179					
		ENH6-3	150-203			150-203					

1. For EWN Head utilizing insert type TP08, boring diameter represents the range when insert with 0.2 nose radius is used. For EWN Head using insert type TC11, boring diameter represents the range when insert with 0.4 nose radius is used.

2. Insert Holder model ENH_1 is included. ENH_2 and ENH_3 are optional accessories.

3. Rotation becomes reverse when back-boring.

4. Insert must be ordered separately.

For Shanks and Holders: P51-

For Inserts, refer to page 64-65.

CAUTION
The max. allowable spindle speed for the EWN Head is 1,200m/min. However, since the rigidity of machine spindle and workpiece, the length of boring tool and usage of Extension and Reduction adapters influence the condition, please increase the speed gradually to determine the best cutting condition.

INSERT HOLDER PAT. (Option)

Model	Figure	Head Model	Model	Figure	Head Model
ENH1-1	3° Insert TP08	EWN20-36CKB1	ENH4-1	3° Insert TC11	EWN41-74CKB4
ENH1-2			ENH4-2		
ENH1-3			ENH4-3		
ENH2-1		EWN25-47CKB2	ENH5-1		EWN53-95CKB5
ENH2-2			ENH5-2		
ENH2-3			ENH5-3		
ENH3-1	EWN32-60CKB3	ENH6-1	EWN 68-150CKB6 EWN100-203CKB6 EWN100-203CKB7 EWN150		
ENH3-2		ENH6-2			
ENH3-3		ENH6-3			

1. Insert must be ordered separately.

For Insert Clamp Screw Set: P63

Model	Figure	Head Model
ENH4-1E	0° Insert TC11	EWN41-74CKB4
ENH4-2E		
ENH4-3E		
ENH5-1E		EWN53-95CKB5
ENH5-2E		
ENH5-3E		
ENH6-1E	EWN 68-150CKB6 EWN100-203CKB6 EWN100-203CKB7 EWN150	
ENH6-2E		
ENH6-3E		

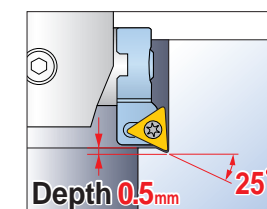
1. Insert must be ordered separately.

For Insert Clamp Screw Set: P63

INSERT HOLDER to undercut corners PAT. (Option)



- Completes boring operation and undercut.



Model	Figure	Insert	Head Model
ENH3-1J	25°	TP08	EWN 32- 60CKB3
ENH4-1J			EWN 41- 74CKB4
ENH5-1J			EWN 53- 95CKB5
ENH6-1J	25°	TC11	EWN 68-150CKB6 EWN100-203CKB6 EWN100-203CKB7

1. Insert must be ordered separately.

For Insert Clamp Screw Set: P63

⟨ Note : Back boring is not available. ⟩