

BIG KAISER

NEW!



BIG DAISHOWA SMART DAMPER EWN/EWD HEAD

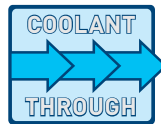
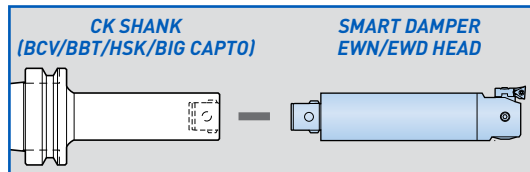
Tool Holder with Integrated Damping System for
Deep Hole Finish Boring

SMART DAMPER BORING HEAD

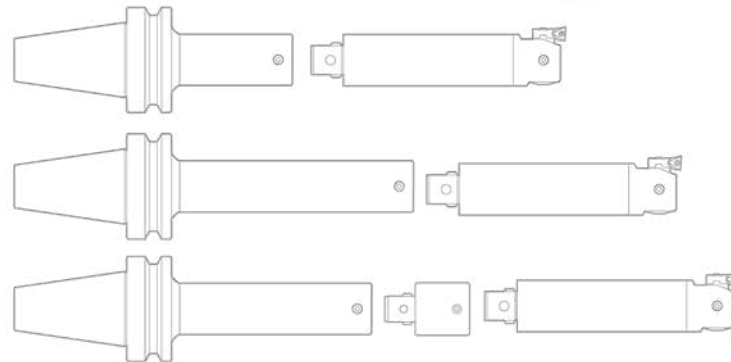
CLAMPING RANGE: ϕ 1.614"-5.906" (ϕ 41-150mm)

Integrated Damping System in EWN/EWD Finishing Boring Head


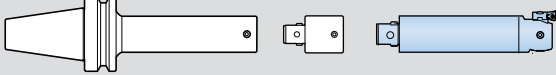
The integrated design of the Smart Damper system and EWN/EWD finish boring head shortens the distance from the damper and the cutting edge which is the source of vibration, so higher damping effects minimizes the chatter or vibration.



Tool configuration can be arranged optimally by assembling with numerous standard shanks



Application Examples — Deep Hole Finish Boring

Tool Layout	Total Length	L/D	Cutting Speed Vc (SFM)						
			330	500	650	825	1000	1150	1300
CK SHANK BBT50-CK4-225 + SMART DAMPER EWN HEAD EWN41DP 	14.29	7.8	⊙	⊙	⊙	⊙	⊙	⊙	⊙
CK SHANK BBT50-CK4-225 + EXTENSION CK44-45 + SMART DAMPER EWN HEAD EWN41DP 	16.06	8.9	⊙	⊙	⊙	⊙	⊙	⊙	⊙

Cutting Conditions

Vertical Machining Center
Depth of Cut: .008"/ ϕ
Feed Rate: .004"/rev.

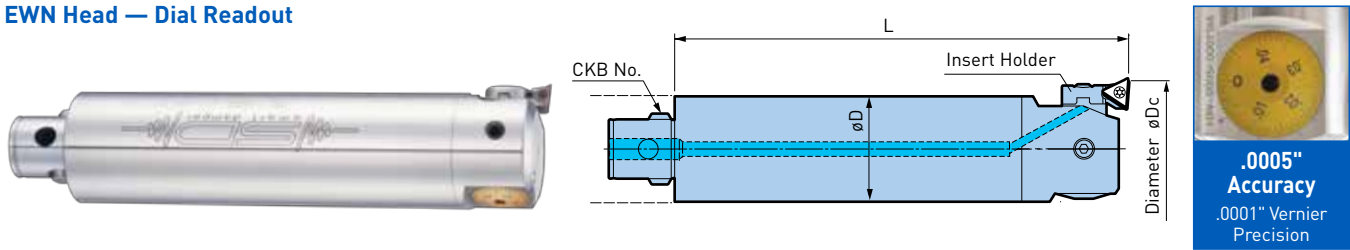
Workpiece Material: High Carbon Steel
Insert: TCMT110204EFM (T2000Z)
Diameter: ϕ 1.750"

⊙ = Acceptable ⊙ = Excellent Surface Finish

SMART DAMPER BORING HEAD EWN/EWD HEAD



EWN Head — Dial Readout

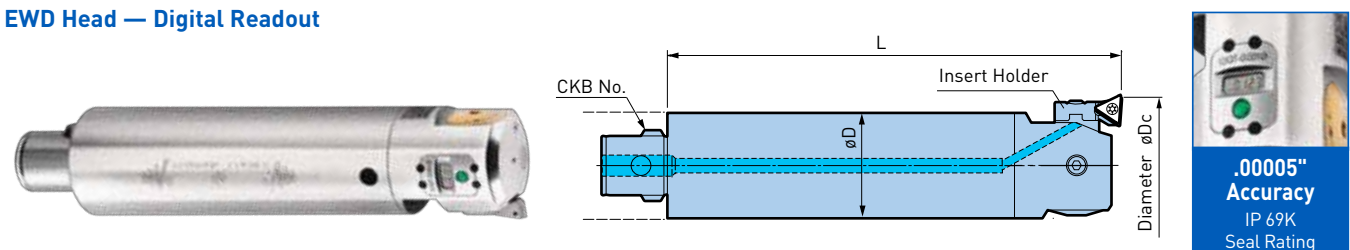


Catalog Number	Adapter Size	Insert Holder	Diameter øDc	øD	L	Weight (lbs.)
CKB4-EWN41EDP-185	CKB4	10.626.141	1.614-2.162	1.540	7.283	5.0
		10.626.142	1.969-2.480			
		10.626.143	2.402-2.913			
CKB5-EWN53EDP-210	CKB5	10.626.151	2.087-2.756	1.968	8.268	9.7
		10.626.152	2.559-3.228			
		10.626.153	3.070-3.740			
CKB6-EWN68EDP-240	CKB6	10.626.161	2.677-3.937	2.520	9.449	18.3
		10.626.162	3.700-4.960			
		10.626.163	4.646-5.906			

- The minimum boring range represents the range when insert with .016" nose radius is used
- Insert must be ordered separately, the suitable size is TC11

For entire Tool Holder Systems, please see catalog — BIG Daishowa High Precision Tool Holder Systems

EWD Head — Digital Readout



Catalog Number	Adapter Size	Insert Holder	Diameter øDc	øD	L	Weight (lbs.)
10.389.395 CKB4-EWD41SD-200	CKB4	10.626.141	1.614-2.162	1.540	7.874	5.5
		10.626.142	1.969-2.480			
		10.626.143	2.402-2.913			
10.389.396 CKB5-EWD53SD-225	CKB5	10.626.151	2.087-2.756	1.968	8.858	10.3
		10.626.152	2.559-3.228			
		10.626.153	3.070-3.740			
10.389.397 CKB6-EWD68SD-260	CKB6	10.626.161	2.677-3.937	2.520	10.236	18.7
		10.626.162	3.700-4.960			
		10.626.163	4.646-5.906			

- The minimum boring range represents the range when insert with .016" nose radius is used
- Insert must be ordered separately, the suitable size is TC11

For entire Tool Holder Systems, please see catalog — BIG Daishowa High Precision Tool Holder Systems

BIG KAISER Precision Tooling Inc.

A Member of the BIG DAISHOWA Group

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