

EASYCLAMP

Tool Holder for Diamond & 5 axis application

India Patent No. 434477

PCT WO2024/057337A1

ISR: Positive



Patented Tool Holder for Die Mould & 5-Axis

Slim body. Deepest cavity reach. Bevel gear grip. Through coolant. 25,000 min⁻¹ rated.

25,000 min ⁻¹ Speed Rating	< 3 μm Runout	G2.5 Balance Grade	3–12 mm Gripping Range	Through Coolant
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Key Engineering Features

SLIMEST BODY Slim tapered body design — best suited for die mould and 5-axis applications. Allows deepest cavity reach without interference with workpiece or fixture.	DEEPEST CAVITY REACH Maximum useful adapter length fully utilised. Reach the deepest cavities in die mould work with full performance and no compromise on rigidity.
BEVEL GEAR GRIP Precision bevel gear pinion mechanism drives the draw screw for secure, repeatable clamping. Zero torque leakage. Consistent clamping force every cycle.	THROUGH COOLANT Integrated through-coolant capability for effective chip evacuation and tool cooling during high-speed deep cavity machining. Standard on all models.
25,000 min⁻¹ RATED High-speed rotation rated to 25,000 min ⁻¹ at G2.5 balance grade. Suitable for all modern high-speed machining centres. The single-unit construction eliminates imbalance sources present in multi-component holders.	SINGLE-UNIT CONSTRUCTION The entire device forms one integrated unit — eliminating intermediate joints, reducing part count, and improving reliability. Patented design under India Patent No. 434477.

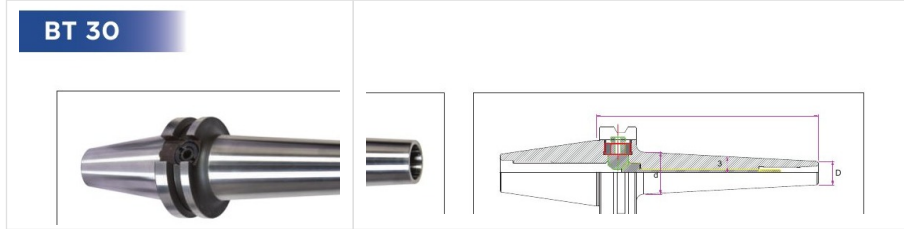
Patent & IP Summary

India Patent No. 434477	PCT Publication WO2024/057337A1	ISR Result: POSITIVE
Granted 13 June 2023 IPO India	Published 21 March 2024 WIPO	Claims 1–8: Novelty Inventive Step · Industrial Applicability

Product Specifications

BT DIN ISO 7388-2 — BT30, BT40, BT50

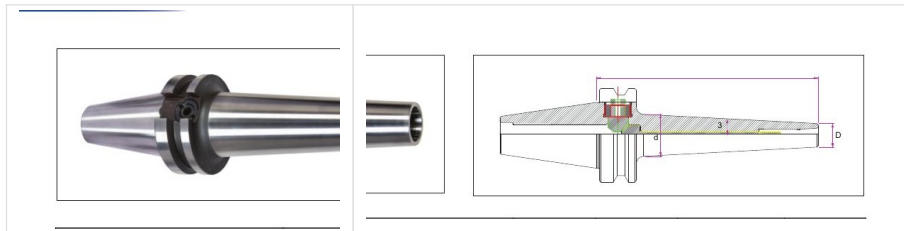
BT 30



ORDER CODE	TYPE	L	D	GRIPPING RANGE	WEIGHT (KGS)
0001-001-006-90	BT30-STECC 06-90 (Slim)	90	12	3~6	
0002-001-006-120	BT30-STECC 06-120 (Slim)	120	12	3~6	
0003-001-006-90	BT30-STECC 06-90	90	16	3~6	
0004-001-006-120	BT30-STECC 06-120	120	16	3~6	
0005-002-012-90	BT30-STECC 12-90 (Slim)	90	24	3~12	
0006-002-012-120	BT30-STECC 12-120 (Slim)	120	24	3~12	
0007-003-012-90	BT30-STECC 12-90	90	28	3~12	
0008-003-012-120	BT30-STECC 12-120	120	28	3~12	

- Through coolant — standard on all models
- Drive key is standard
- Tolerance class of tool shank: h6
- Clamping with reduction collets to achieve more flexible clamping range
- Additional sizes and special designs available on request

BT 40



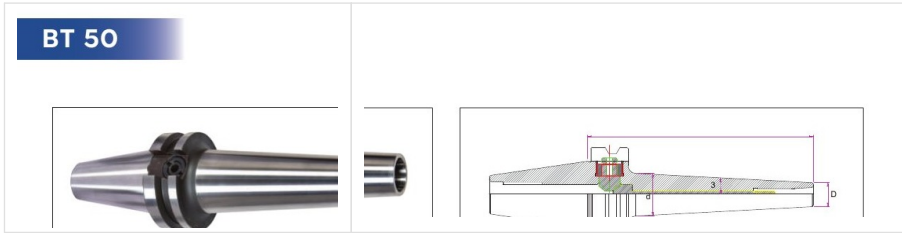
ORDER CODE	TYPE	L	D	GRIPPING RANGE	WEIGHT (KGS)
0009-001-006-90	BT40-STECC 06-90 (Slim)	90	12	3~6	
0010-001-006-120	BT40-STECC 06-120 (Slim)	120	12	3~6	
0011-001-006-150	BT40-STECC 06-150 (Slim)	150	12	3~6	
0012-001-006-180	BT40-STECC 06-180 (Slim)	180	12	3~6	
0013-001-006-90	BT40-STECC 06-90	90	16	3~6	
0014-001-006-120	BT40-STECC 06-120	120	16	3~6	
0015-001-006-150	BT40-STECC 06-150	150	16	3~6	
0016-001-006-180	BT40-STECC 06-180	180	16	3~6	
0017-002-012-90	BT40-STECC 12-90 (Slim)	90	24	3~12	
0018-002-012-120	BT40-STECC 12-120 (Slim)	120	24	3~12	
0019-002-012-150	BT40-STECC 12-150 (Slim)	150	24	3~12	

0020-002-012-180	BT40-STECC 12-180 (Slim)	180	24	3~12	
0021-003-012-90	BT40-STECC 12-90	90	28	3~12	
0022-003-012-120	BT40-STECC 12-120	120	28	3~12	
0023-003-012-150	BT40-STECC 12-150	150	28	3~12	
0024-003-012-180	BT40-STECC12-180	180	28	3~12	

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Product Specifications (continued)

BT 50



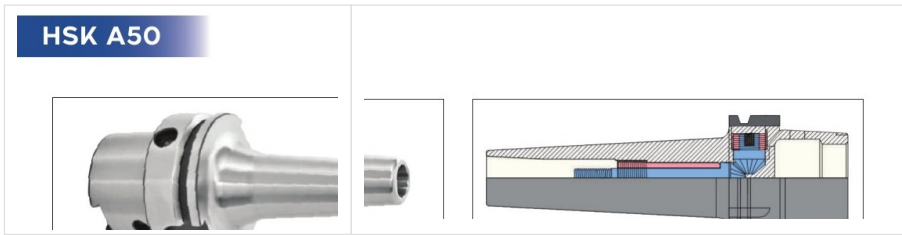
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0025-001-006-90	BT50-STECC 06-90 (Slim)	90	12	3~6	
0026-001-006-120	BT50-STECC 06-120 (Slim)	120	12	3~6	
0027-001-006-150	BT50-STECC 06-150 (Slim)	150	12	3~6	
0028-001-006-180	BT50-STECC 06-180 (Slim)	180	12	3~6	
0029-001-006-210	BT50-STECC 06-210 (Slim)	210	12	3~6	
0030-001-006-90	BT50-STECC 06-90	90	16	3~6	
0031-001-006-120	BT50-STECC 06-120	120	16	3~6	
0032-001-006-150	BT50-STECC 06-150	150	16	3~6	
0033-001-006-180	BT50-STECC 06-180	180	16	3~6	
0034-001-006-210	BT50-STECC 06-210	210	16	3~6	
0035-002-012-90	BT50-STECC 12-90 (Slim)	90	24	3~12	
0036-002-012-120	BT50-STECC 12-120 (Slim)	120	24	3~12	
0037-002-012-150	BT50-STECC 12-150 (Slim)	150	24	3~12	
0038-002-012-180	BT50-STECC 12-180 (Slim)	180	24	3~12	
0039-002-012-210	BT50-STECC 12-210 (Slim)	210	24	3~12	
0040-003-012-90	BT50-STECC 12-90	90	28	3~12	
0041-003-012-120	BT50-STECC 12-120	120	28	3~12	
0042-003-012-150	BT50-STECC 12-150	150	28	3~12	
0043-003-012-180	BT50-STECC 12-180	180	28	3~12	
0044-003-012-210	BT50-STECC 12-210	210	28	3~12	

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HSK-A Series

HSK-A DIN 69893-1 — HSK A50, HSK A63, HSK A100

HSK A50

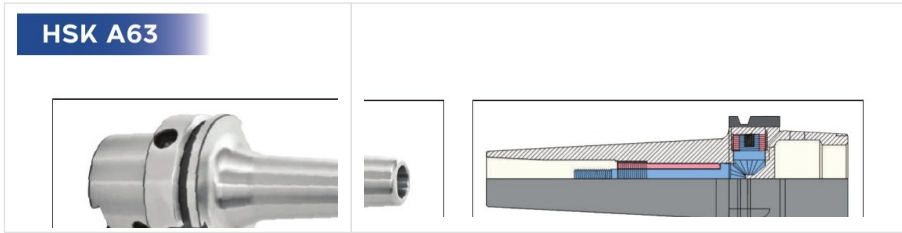


ORDER CODE	TYPE	L	D	GRIPPING RANGE	WEIGHT (KGS)
0089-001-012-90	HSK50A-STECC 06-90 (Slim)	90	12	3~6	
0090-001-012-120	HSK50A-STECC 06-120 (Slim)	120	12	3~6	
0091-001-012-150	HSK50A-STECC 06-150 (Slim)	150	12	3~6	
0092-001-012-180	HSK50A-STECC 06-180 (Slim)	180	12	3~6	
0093-001-012-90	HSK50A-STECC 06-90	90	16	3~6	
0094-001-012-120	HSK50A-STECC 06-120	120	16	3~6	
0095-001-012-150	HSK50A-STECC 06-150	150	16	3~6	
0096-001-012-180	HSK50A-STECC 06-180	180	16	3~6	
0097-001-012-210	HSK50A-STECC 06-210	210	16	3~6	
0098-002-012-120	HSK50A-STECC 12-90 (Slim)	90	24	3~12	
0099-002-012-150	HSK50A-STECC 12-120 (Slim)	120	24	3~12	
0100-002-012-180	HSK50A-STECC 12-150 (Slim)	150	24	3~12	
0101-002-012-210	HSK50A-STECC 12-180 (Slim)	180	24	3~12	
0102-002-012-210	HSK50A-STECC 12-210 (Slim)	210	24	3~12	
0103-003-012-120	HSK50A-STECC 12-90	90	28	3~12	
0104-003-012-120	HSK50A-STECC 12-120	120	28	3~12	
0105-003-012-150	HSK50A-STECC 12-150	150	28	3~12	
0106-003-012-180	HSK50A-STECC 12-180	180	28	3~12	
0107-003-012-210	HSK50A-STECC 12-210	210	28	3~12	

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Product Specifications (continued)

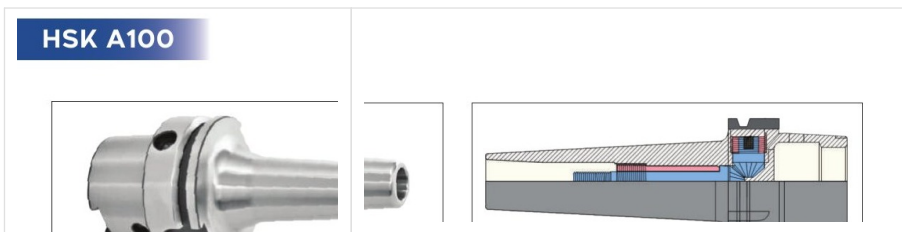
HSK A63



ORDER CODE	TYPE	L	D	GRIPPING RANGE	WEIGHT (KGS)
0108-001-012-90	HSK63A-STECC 06-90 (Slim)	90	12	3-6	
0109-001-012-120	HSK63A-STECC 06-120 (Slim)	120	12	3-6	
0110-001-012-150	HSK63A-STECC 06-150 (Slim)	150	12	3-6	
0111-001-012-180	HSK63A-STECC 06-180 (Slim)	180	12	3-6	
0112-001-012-90	HSK63A-STECC 06-90	90	16	3-6	
0113-001-012-120	HSK63A-STECC 06-120	120	16	3-6	
0114-001-012-150	HSK63A-STECC 06-150	150	16	3-6	
0115-001-012-180	HSK63A-STECC 06-180	180	16	3-6	
0116-001-012-210	HSK63A-STECC 06-210	210	16	3-6	
0117-002-012-120	HSK63A-STECC 12-90 (Slim)	90	24	3-12	
0118-002-012-150	HSK63A-STECC 12-120 (Slim)	120	24	3-12	
0119-002-012-180	HSK63A-STECC 12-150 (Slim)	150	24	3-12	
0120-002-012-210	HSK63A-STECC 12-180 (Slim)	180	24	3-12	
0121-002-012-210	HSK63A-STECC 12-210 (Slim)	210	24	3-12	
0122-003-012-120	HSK63A-STECC 12-90	90	28	3-12	
0123-003-012-120	HSK63A-STECC 12-120	120	28	3-12	
0124-003-012-150	HSK63A-STECC 12-150	150	28	3-12	
0125-003-012-180	HSK63A-STECC 12-180	180	28	3-12	
0126-003-012-210	HSK63A-STECC 12-210	210	28	3-12	

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HSK A100



ORDER CODE	TYPE	L	D	GRIPPING RANGE	WEIGHT (KGS)
0127-001-012-90	HSK100A-STECC 06-90 (Slim)	90	12	3-6	
0128-001-012-120	HSK100A-STECC 06-120 (Slim)	120	12	3-6	

0129-001-012-150	HSK100A-STECC 06-150 (Slim)	150	12	3~6	
0130-001-012-180	HSK100A-STECC 06-180 (Slim)	180	12	3~6	
0131-001-012-90	HSK100A-STECC 06-90	90	16	3~6	
0132-001-012-120	HSK100A-STECC 06-120	120	16	3~6	
0133-001-012-150	HSK100A-STECC 06-150	150	16	3~6	
0134-001-012-180	HSK100A-STECC 06-180	180	16	3~6	
0135-001-012-210	HSK100A-STECC 06-210	210	16	3~6	
0136-002-012-120	HSK100A-STECC 12-90 (Slim)	90	24	3~12	
0137-002-012-150	HSK100A-STECC 12-120 (Slim)	120	24	3~12	
0138-002-012-180	HSK100A-STECC 12-150 (Slim)	150	24	3~12	
0139-002-012-210	HSK100A-STECC 12-180 (Slim)	180	24	3~12	
0140-002-012-210	HSK100A-STECC 12-210 (Slim)	210	24	3~12	
0141-003-012-120	HSK100A-STECC 12-90	90	28	3~12	
0142-003-012-120	HSK100A-STECC 12-120	120	28	3~12	
0143-003-012-150	HSK100A-STECC 12-150	150	28	3~12	
0144-003-012-180	HSK100A-STECC 12-180	180	28	3~12	
0145-003-012-210	HSK100A-STECC 12-210	210	28	3~12	

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Product Specifications (continued)

Reduction Collets

Reduction collets allow flexible clamping range adaptation. Three series available.

STECC-22 Series (D1=22mm, D2=19mm, L=60mm)

ORDER CODE	TYPE	D (mm)	L (mm)	D1 (mm)	D2 (mm)
0146-004-012-019	STECC-22-03-19H	3	60	22	19
0147-005-012-019	STECC-22-04-19H	4	60	22	19
0148-006-012-019	STECC-22-05-19H	5	60	22	19
0149-007-012-019	STECC-22-06-19H	6	60	22	19
0150-008-012-019	STECC-22-07-19H	7	60	22	19
0151-009-012-019	STECC-22-08-19H	8	60	22	19
0152-010-012-019	STECC-22-09-19H	9	60	22	19
0153-011-012-019	STECC-22-10-19H	10	60	22	19
0154-012-012-019	STECC-22-11-19H	11	60	22	19
0155-013-012-019	STECC-22-12-19H	12	60	22	19

STECC-18 Series (D1=18mm, D2=15.5mm, L=61mm)

ORDER CODE	TYPE	D (mm)	L (mm)	D1 (mm)	D2 (mm)
0156-014-012-015	STECC-18-03-155	3	61	18	15
0157-015-012-015	STECC-18-04-155	4	61	18	15
0158-016-012-015	STECC-18-05-155	5	61	18	15
0159-017-012-015	STECC-18-06-155	6	61	18	15
0160-018-012-015	STECC-18-07-155	7	61	18	15
0161-019-012-015	STECC-18-08-155	8	61	18	15
0162-020-012-015	STECC-18-09-155	9	61	18	15
0163-021-012-015	STECC-18-10-155	10	61	18	15
0164-022-012-015	STECC-18-11-155	11	61	18	15
0165-023-012-015	STECC-18-12-155	12	61	18	15

STECC-9.5 Series (D1=9.5mm, D2=8mm, L=36mm)

ORDER CODE	TYPE	D (mm)	L (mm)	D1 (mm)	D2 (mm)
0166-024-006-08	STECC-95-03-08	3	36	9.5	8
0167-025-006-08	STECC-95-04-08	4	36	9.5	8
0168-026-006-08	STECC-95-05-08	5	36	9.5	8
0169-027-006-08	STECC-95-06-08	6	36	9.5	8

Precision Reconditioning Services

Beyond manufacturing EASY CLAMP, Shakur Grinding Services has delivered precision tool-holder reconditioning services pan-India for over 10 years.

<p>Hydro Grip Tool Holder Reconditioning All types of hydro grip tool holders — precision reconditioning to restore original clamping performance.</p>	<p>Micro Boring Reconditioning Precision micro boring bar reconditioning for accuracy-critical operations in die mould and precision manufacturing.</p>
<p>Live Tool Holder Reconditioning Live tool holder reconditioning for turning centres and multi-axis machining applications.</p>	<p>Silent Boring Bar Reconditioning Silent boring bar reconditioning for vibration-free machining — restoring damping characteristics and precision.</p>
<p>Hydraulic Vice Reconditioning Hydraulic vice reconditioning and restoration for precision workholding applications in machining centres.</p>	<p>Tapping Attachment Reconditioning Tapping attachment reconditioning for precision threading operations — restoring torque transmission and accuracy.</p>
<p>All Types of Tool Holder Reconditioning Comprehensive reconditioning service for all types of precision tool holders used in modern machining centres. Pan India service support.</p>	

10+ Years Service Sector	Pan India Service Support	All Types Tool Holder Reconditioning	Pune Based, India
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Contact & Enquiry

<p>Register Office: 3rd Floor, C-13, Saranjame Co-op Housing Society, 180, Shukrawar Peth Shinde Lane, Pune – 411 002 (Maharashtra)</p>	<p>Sales & Service: Office No 17, Bhosale Arcade, Sr No 103, Nehru Nagar, Near Nehru Nagar Signal, Pimpri Pune – 411018</p>	<p>Phone: +91 98234 44923 +91 80875 84443</p> <p>Email: shakurgrindingservices@gmail.com</p> <p>Web: easyclamp.vercel.app</p>
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