



Alberti
Angle Heads
Selection Guide

KOMA PRECISION

For over forty years Koma Precision has been the foremost source for the finest the world has to offer in machine tool Productivity Innovation.

With over 30,000 rotary table installations, Koma is the largest distributor of Tsudakoma NC rotary tables and indexers in the world. With over 12,000 angle heads and live tools installed, Koma is the world's largest supplier for Alberti - the originator and the foremost innovator of productivity tooling.



40 TAPER VMC'S

Max. Tool Weight: 15 LBS



T90sl-0.3 Slimline Control Series			
Standard Tool Specifications			
Output	NSK		
RPM Max.	20,000		
Nm/ft.lbs.	1/.74 - 4/2.95		
Wgt.kg/lbs.	3.5/7.7		
Output Tools	Model	Ratio	RPM Max.
NSK Output Tool Options for T90sl-0.3	IC-300	1:3/4	15,000
	MFC-300S	1:1	15,000
	MFC-300M	1:1	15,000
	KC-300	1:3/4	15,000
	CN-01	1:1	15,000
	RA-100	1:3/8	7,490
	RA-200	1:0.6665	13,330



T90cn-0.5C Control Series	
Standard Tool Specifications	
Output	ER 11 (0.5-7)
Ratio	1:1
RPM Max.	6,000
Nm/ft.lbs.	5/3.7
Wgt.kg/lbs.	4/8.8
Options	
High Speed	10,000 RPM Maximum
Output	Weldon Output - 6mm
Coolant	Through Pin



TCUcn-1.5 Control Series	
Standard Tool Specifications	
Output	ER 20 (1-13)
Ratio	1:1
RPM Max.	6,000
Nm/ft.lbs.	6/4.4
Wgt.kg/lbs.	4.2/9.2
Options	
High Speed	8,000 RPM Maximum
Output	Weldon Output - 10mm
Coolant	Through Pin



T90cn-1.5 Control Series	
Standard Tool Specifications	
Output	ER 16 (1-10)
Ratio	1:1
RPM Max.	6,000
Nm/ft.lbs.	7/5.2
Wgt.kg/lbs.	4.3/9.5
Options	
High Speed	10,000 RPM Maximum
Output	Weldon Output - 10mm Arbor Output - 13mm
Coolant	Through Pin Through Pin & Spindle Through Shank



TCUcn-2.5 Control Series	
Standard Tool Specifications	
Output	ER 25 (2-16)
Ratio	1:1
RPM Max.	5,000
Nm/ft.lbs.	18/13.3
Wgt.kg/lbs.	6.8/15
Options	
High Speed	8,000 RPM Maximum
Output	Weldon Output
Coolant	Through Pin



T90cn-2.5 Control Series	
Standard Tool Specifications	
Output	ER 25 (2-16)
Ratio	1:1
RPM Max.	6,000
Nm/ft.lbs.	20/14.7
Wgt.kg/lbs.	5.4/12
Options	
High Speed	8,000 RPM Maximum
Output	Weldon Output - 16mm Arbor Output - 16mm
Coolant	Through Pin Through Pin & Spindle Through Shank

50 TAPER VMC'S

Max. Tool Weight: 40 LBS



TCUcn-2.5 Control Series	
Standard Tool Specifications	
Output	ER 25 (2-16)
Ratio	1:1
RPM Max.	4,000
Nm/ft.lbs.	18/13.3
Wgt.kg/lbs.	6.8/15
Options	
High Speed	8,000 RPM Maximum
Output	Weldon Output - 16mm
Coolant	Through Pin



T90cn-2.5 Control Series	
Standard Tool Specifications	
Output	ER 25 (2-16)
Ratio	1:1
RPM Max.	6,000
Nm/ft.lbs.	20/14.7
Wgt.kg/lbs.	5.4/12
Options	
High Speed	8,000 RPM Maximum
Output	Weldon Output - 16mm Arbor Output - 16mm
Coolant	Through Pin Through Pin & Spindle Through Shank



TCUcn-3.5 Control Series	
Standard Tool Specifications	
Output	ER 32 (3-20)
Ratio	1:1
RPM Max.	4,000
Nm/ft.lbs.	32/23.6
Wgt.kg/lbs.	12.8/28.6
Options	
High Speed	6,000 RPM Maximum
Output	Weldon Output - 20mm Arbor Output - 22mm
Coolant	Through Pin



T90cn-3.5 Control Series	
Standard Tool Specifications	
Output	ER 32 (3-20)
Ratio	1:1
RPM Max.	4,000
Nm/ft.lbs.	35/25.8
Wgt.kg/lbs.	10.9/24.2
Options	
High Speed	6,000 RPM Maximum
Output	Weldon Output - 20mm Arbor Output - 22mm
Coolant	Through Pin Through Pin & Spindle Through Shank



T90cn-4.5 Control Series	
Standard Tool Specifications	
Output	ER 40 (3-30)
Ratio	1:1
RPM Max.	4,000
Nm/ft.lbs.	75/55.3
Wgt.kg/lbs.	16.8/37.4
Options	
High Speed	6,000 RPM Maximum
Output	Weldon Output - 20mm Arbor Output - 22mm
Coolant	Through Pin Through Pin & Spindle Through Shank

Coolant Options	
Coolant Through Pin	
Coolant Through Pin & Spindle	
Coolant Through Shank	

MAIN FEATURES

- One year warranty
- Double sealed front end
- High speed tools available
- Coolant feed through options

TECHNICAL FEATURES

- GS600 spheroidal cast iron bodies
- Shafts supported by ABEC 7 super precision angular contact bearings
- Highest performance spiral bevel gears strength in excess of 300 kg/ mm²
- Control Series tools main input shaft is integral with the drive taper to ensure maximum rigidity



ABOUT

It takes just 15 minutes to supercharge your throughput with Alberti right angle and adjustable angle heads from KOMA Precision. An included FADAL stop block is easily installed in existing spindle holes.

Koma Precision stocks a comprehensive Alberti spare parts inventory and offers complete maintenance and repair services.



ANGLE HEAD FEATURES



**FADAL stop blocks
included with tools.**



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