



MINILINE | SLIMLINE | TURBODRILL

brother®

High Speed Spindles for Automatic Tool Changers
58,000 RPM Air Motor Models for Micro Machining



MINILINE	Spindle Driven
SLIMLINE	Spindle Driven
TURBODRILL	Air Driven



20 Thompson Rd | East Windsor | CT 06088

1.800.249.5662 | 860.623.4132 Fax

www.komaprecision.com | info@komaprecision.com

***New Design!* MINILINE 1.5**

Technical Details on Page 1

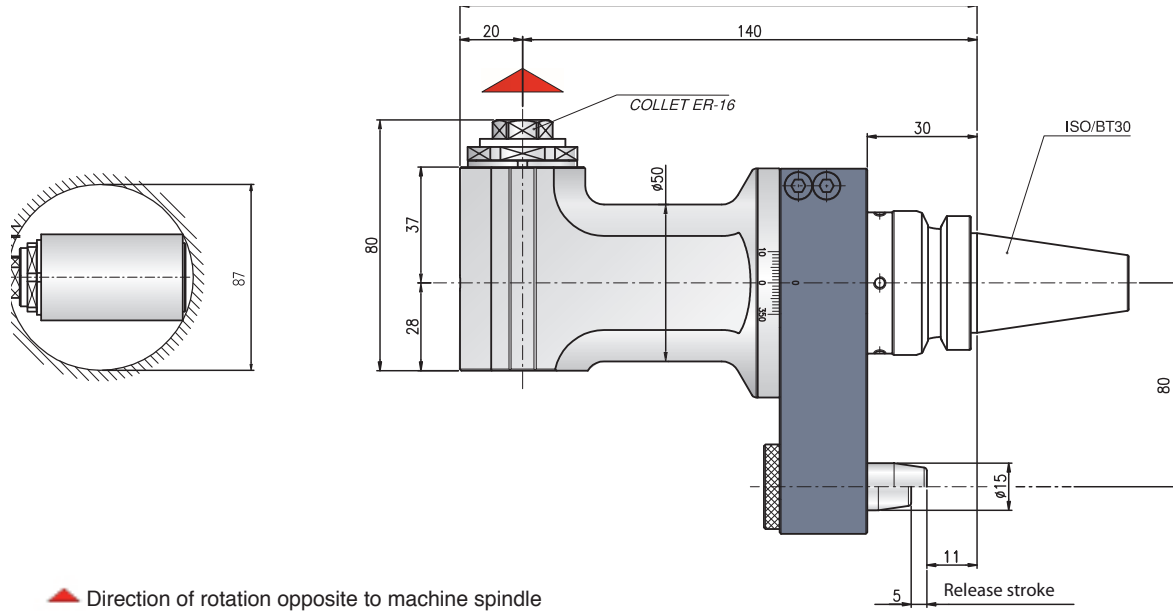


With over 12,000 angle heads and live tools installed, KOMA Precision is the world's largest supplier for ALBERTI - the originator and the foremost innovator of productivity tooling.

ALBERTI: A Complete Range of Productivity Tooling Without Comparison

ALBERTI has been manufacturing angle heads since 1986. Within a few years ALBERTI tooling became internationally renowned for precision, quality, and reliability. Available tools include over 50 different types of standard angle heads and more than 250 types of standard live tools. ALBERTI innovation and passion for perfection has made it the world leader in precision tooling.

Dimensional Drawing



Miniline 1.5

Lightweight Body | Spindle Driven

Max. RPM 6,000 RPM

Max. Tool Capacity 10 mm

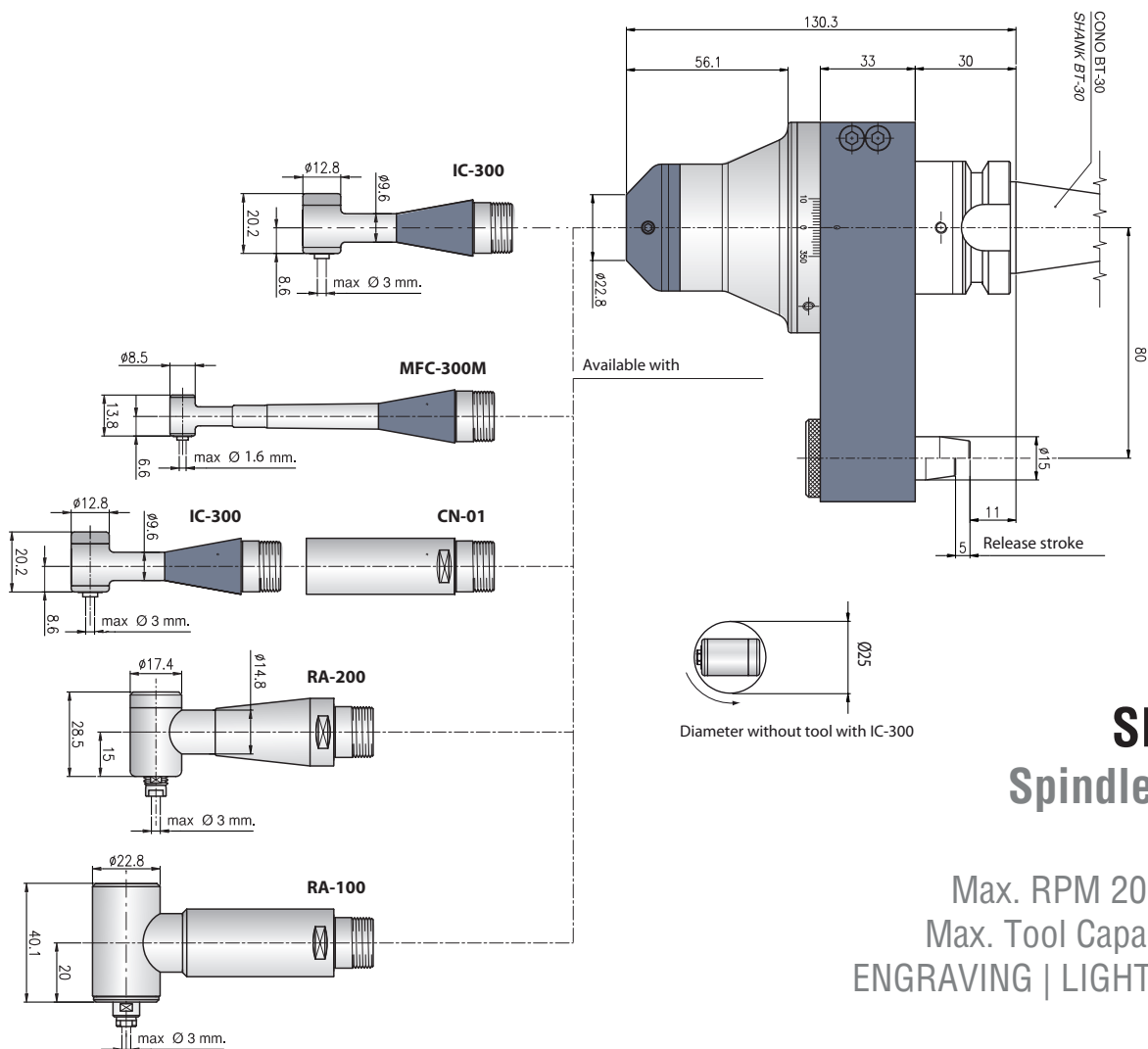
DRILLING | MILLING | TAPPING

Technical Data

Miniline 1,5 / 30			
Tool RPM maximum	6,000	Ratio	1/1
Max. Axial load	250 N	Torque	7 Nm
Weight	6.6 lbs	Collet	ER-16 ø 1/10 mm

Included with Tool: Storage Case • Wrenches •
Grease • Instruction Manual

Dimensional Drawing



Technical Data

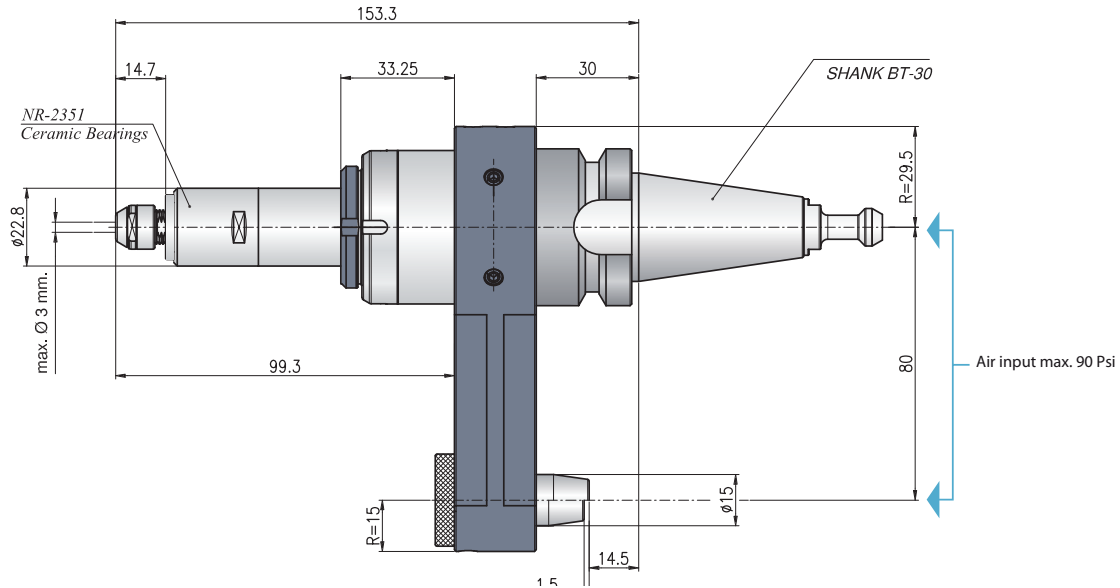
IC-300 *			
Tool RPM maximum	20,000	Reduction Ratio	3/4
Collet	CHM ø3	Type Spindle	IC-300
Rotation	Right, left	Weight	6.6 lbs

Included with Tool: Storage Case • Wrenches •

Grease • Instruction Manual

* For Special Applications Only

Dimensional Drawing



Turbodrill NR-2351

Compact Ultra High Speed | Air Driven

Axial model with air supplied through the spindle or stop block

Max. RPM 58,000 RPM

Max. Tool Capacity 3 mm

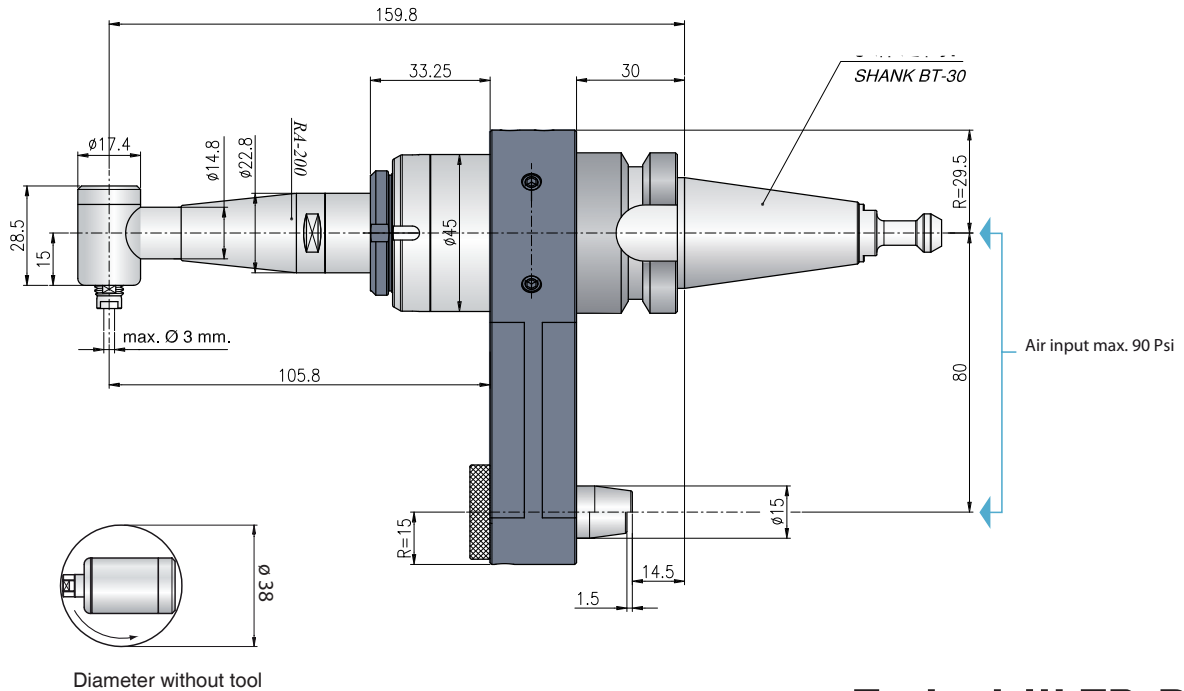
ENGRAVING | LIGHT MILLING

Technical Data

NR-2351			
Tool RPM maximum	58,000	Reduction Ratio	--
NSK Output RPM	58,000	Air Pressure	90 psi max.
Air Motor	AM-600	Air Consumption	5.65 cfm
NSK Output Tool		Weight	4.1 lbs
Power	0.10 HP	Collet	CHK ø 3

Included with Tool: Storage Case • Wrenches • Grease • Instruction Manual

Dimensional Drawing



Turbodrill TD-RA-200

Compact Ultra High Speed | Air Driven

Axial model with air supplied through the spindle or stop block

Max. RPM 30,000 RPM

Max. Tool Capacity 3 mm

ENGRAVING | LIGHT MILLING

Technical Data

TD-RA-200			
Tool RPM maximum	30,000	Reduction Ratio	1/1.5
NSK Output RPM	20,000	Air Pressure	90 psi max.
Air Motor	AM-310	Air Consumption	7.98 cfm
NSK Output Tool	RA-200	Weight	4.1 lbs
Power	0.14 HP	Collet	CHS $\phi 3$

Included with Tool: Storage Case • Wrenches • Grease • Instruction Manual

COLLETS

CHS (for TD-RA-200)



Model	Inside Diameter (mm)
GP-59027-00	0.8
GP-59028-00	0.9
GP-59029-00	1.0
GP-59030-00	1.1
GP-59031-00	1.2
GP-59032-00	1.3
GP-59033-00	1.4
GP-59034-00	1.5
GP-59012-00	1.6
GP-59035-00	1.7
GP-59036-00	1.8
GP-59037-00	1.9
GP-59016-00	2.0
GP-59038-00	2.1
GP-59039-00	2.2
GP-59040-00	2.3
GP-59041-00	2.35
GP-59042-00	2.4
GP-59013-00	2.5
GP-59043-00	2.6
GP-59044-00	2.7
GP-59045-00	2.8
GP-59046-00	2.9
GP-59009-00	3.0
GP-59011-00	3.175

COLLETS

CHM (for TDS-NR-601 • TD-NR-601/601-30)



Model	Inside Diameter (mm)
GP-59073-00	0.3
GP-59074-00	0.4
GP-59075-00	0.5
GP-59076-00	0.6
GP-59077-00	0.7
GP-59078-00	0.8
GP-59079-00	0.9
GP-59080-00	1.0
GP-59081-00	1.1
GP-59082-00	1.2
GP-59083-00	1.3
GP-59084-00	1.4
GP-59085-00	1.5
GP-59086-00	1.6
GP-59087-00	1.7
GP-59088-00	1.8
GP-59089-00	1.9
GP-59090-00	2.0
GP-59091-00	2.1
GP-59092-00	2.2
GP-59093-00	2.3
GP-59094-00	2.35
GP-59095-00	2.4
GP-59096-00	2.5
GP-59097-00	2.6
GP-59098-00	2.7
GP-59099-00	2.8
GP-59100-00	2.9
GP-59101-00	3.0
GP-59102-00	3.175

CHC (for IC-300, KC-300)



Model	Inside Diameter (mm)
GP-59021-00	1.6
GP-59024-00	2.35
GP-59015-00	3.0
GP-59010-00	3.175

OPTIONAL AIR LINE KIT



Stop Block w/Air Valve

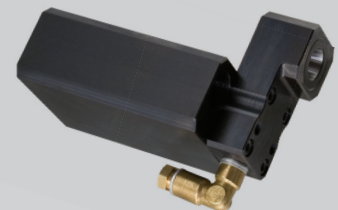


Air Through Spindle

OPTIONAL AIR LINE KIT



OPTIONAL STOP BLOCK





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ROTARY TABLES | ANGLE HEADS | LIVE TOOLS | SWISS TOOLS | TOOL PRESETTERS