



KOMA PRECISION
THE KEY TO PERFORMANCE
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 **Alberti**

ANGLE HEAD Selection Guide

2022

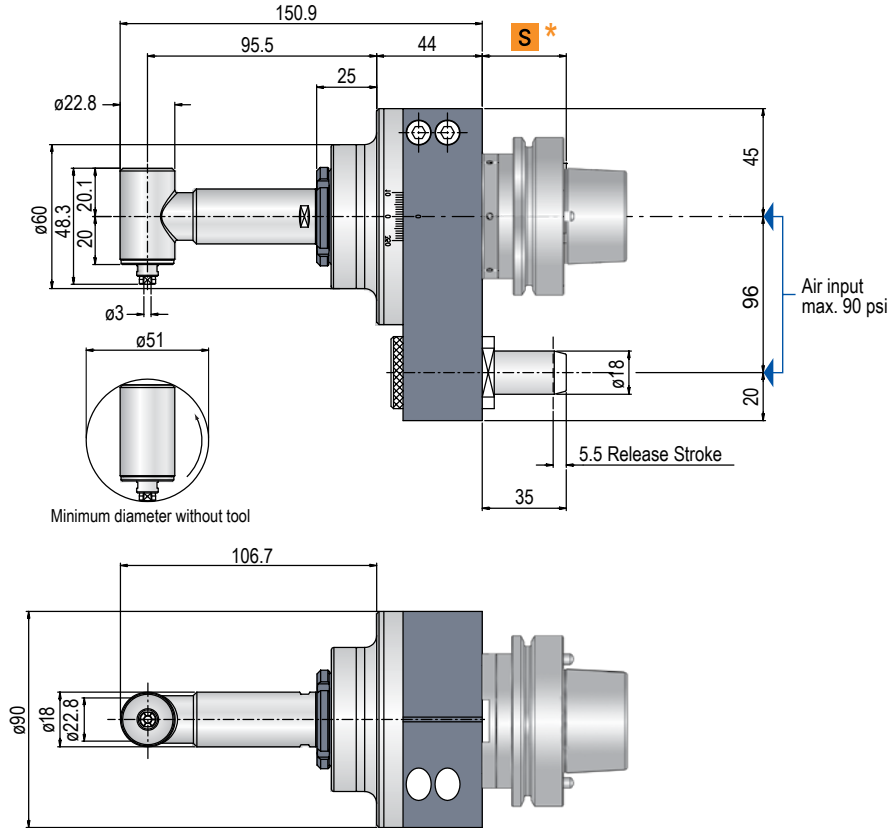


WE FOCUS ON BEING THE BEST—
that's why leading companies choose Koma.

WE ARE THE EXCLUSIVE NORTH AMERICAN
IMPORTER, NATIONAL DISTRIBUTOR, AND
SERVICE CENTER FOR ALBERTI ANGLE HEADS.



DIMENSIONAL DRAWING



TECHNICAL DATA

TF-RA-100			
Tool RPM Maximum	30,000	Reduction Ratio	1/2.67
NSK Output RPM	11,230	Air Pressure	90 psi max.
Air Motor	AM-310	Air Consumption	7.98 cfm
NSK Output Tool	RA-100	Weight	8.8 lbs
Power	0.14 HP	Collet	CHB

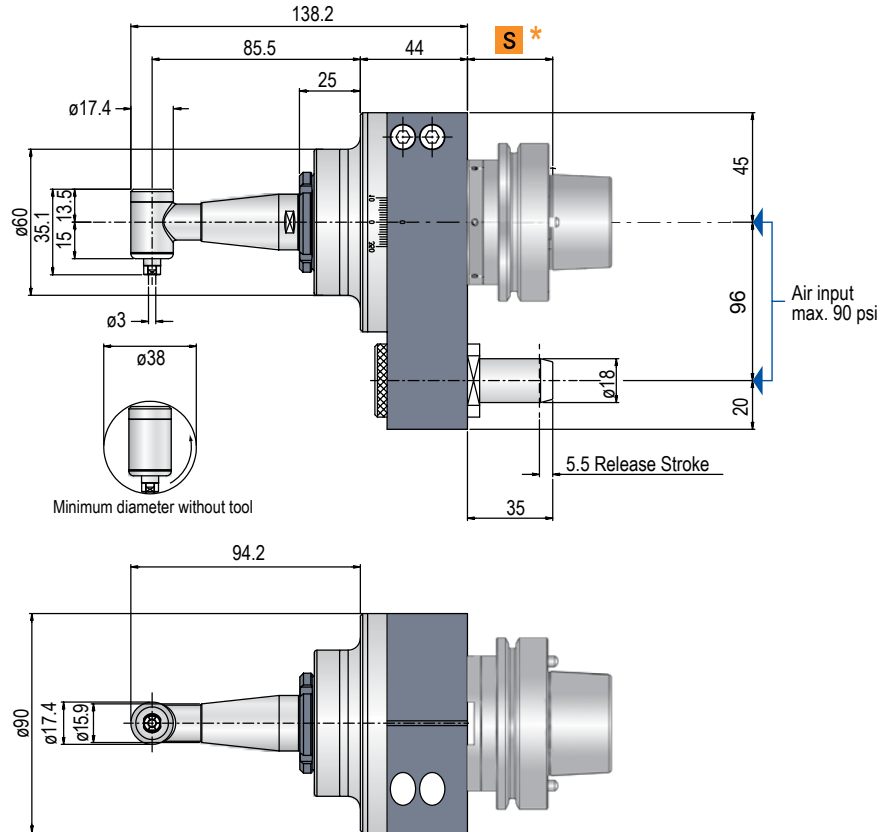
Included with Tool: Storage Case • Wrenches • Grease • Instruction Manual

Torque Speed	Coolant Option	Spindle Runout
Torque-Speed Chart AM-310	Coolant may be used while machining.	Spindle Runout 2 μ

DIMENSIONAL DRAWING & OPTIONAL DRIVE SHANKS

SHANK		DIN-69871 / CAT			MAS / BT			HSK		CAPTO		KM
Size		30	40	50	30	40	50	63/80	100	C5/C6	C8	50/63
S	Flange Spacing (mm)	35	35	35	30	35	41	42	45	38	40	40

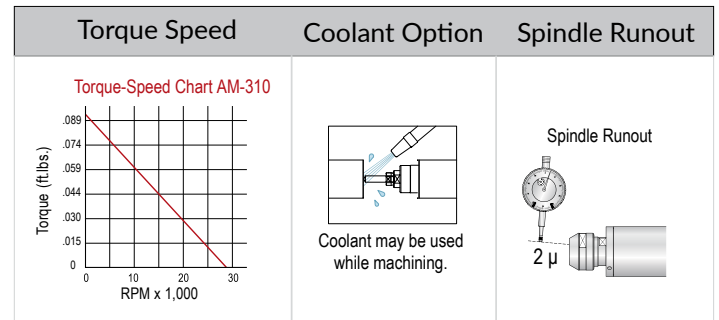
DIMENSIONAL DRAWING



TECHNICAL DATA

TF-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	8.8 lbs
Power	0.14 HP	Collet	CHS

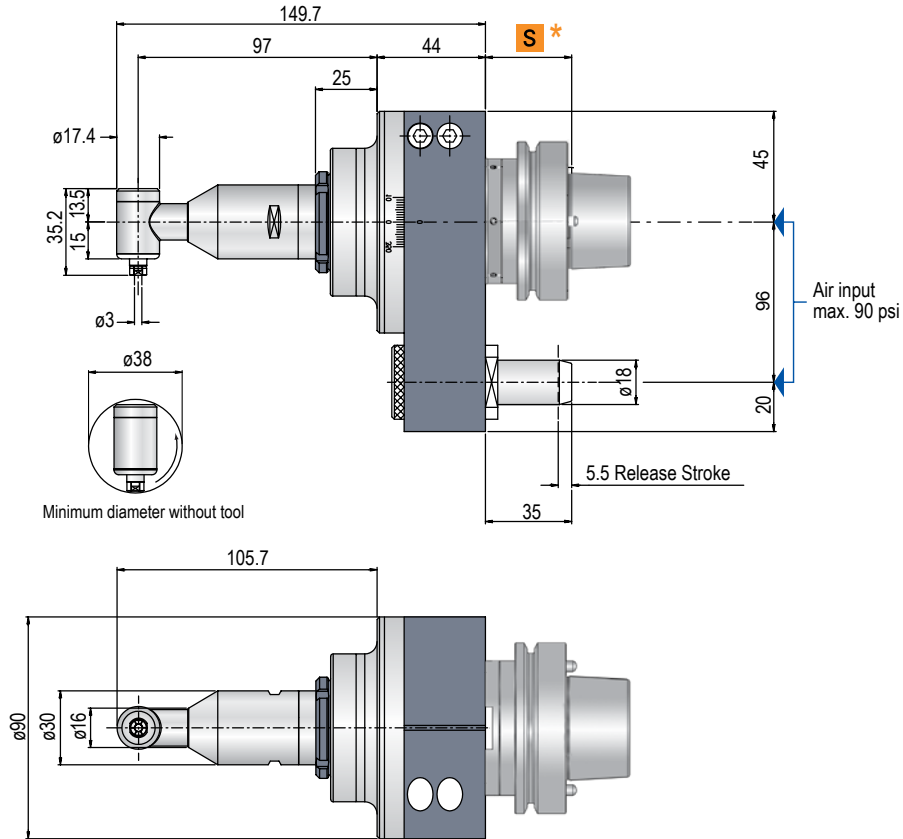
Included with Tool: Storage Case • Wrenches • Grease • Instruction Manual



DIMENSIONAL DRAWING & OPTIONAL DRIVE SHANKS

SHANK		DIN-69871 / CAT			MAS / BT			HSK		CAPTO		KM
Size		30	40	50	30	40	50	63/80	100	C5/C6	C8	50/63
S	Flange Spacing (mm)	35	35	35	30	35	41	42	45	38	40	40

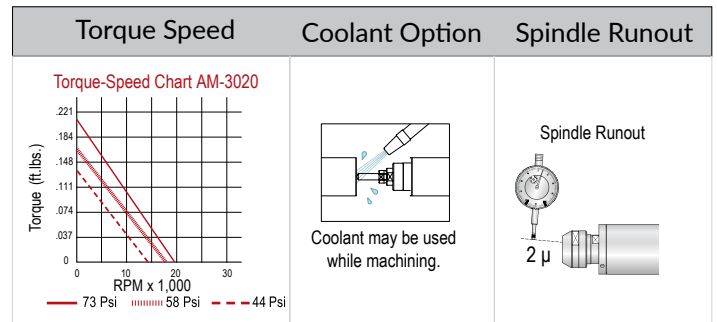
DIMENSIONAL DRAWING



TECHNICAL DATA

TF-RA-271E			
Tool RPM Maximum	18,000	Reduction Ratio	1/1.5
NSK Output RPM	12,000	Air Pressure	90 psi max.
Air Motor	AM-3020	Air Consumption	6.29 cfm
NSK Output Tool	RA-271E	Weight	8.8 lbs
Power	0.17 HP	Collet	CHS

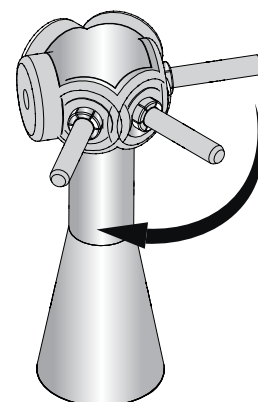
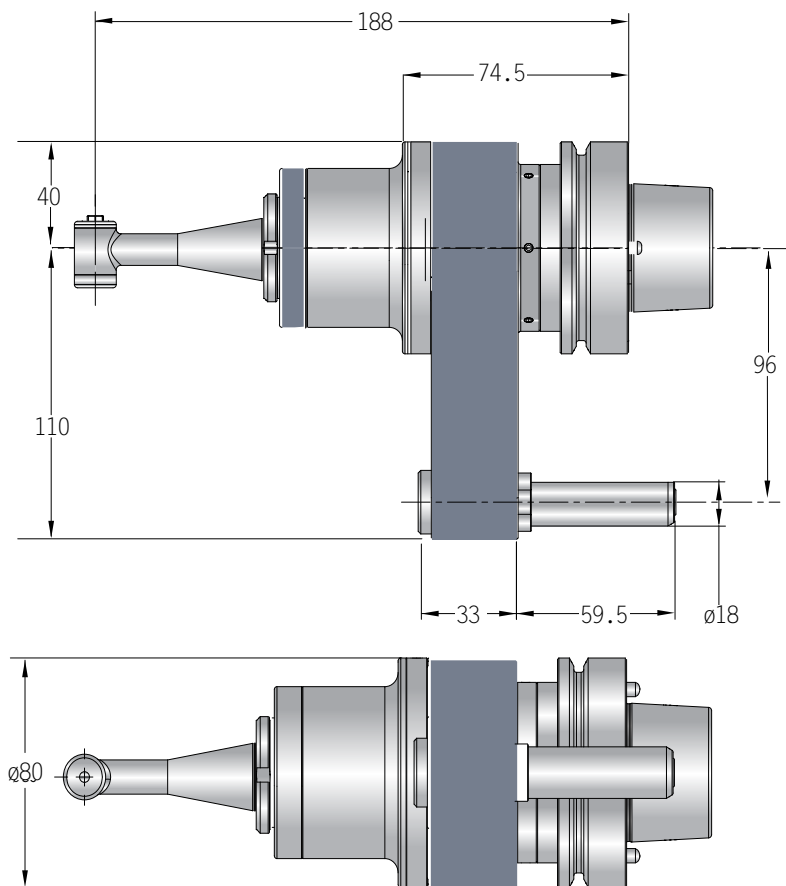
Included with Tool: Storage Case • Wrenches • Grease • Instruction Manual



DIMENSIONAL DRAWING & OPTIONAL DRIVE SHANKS

SHANK		DIN-69871 / CAT			MAS / BT			HSK		CAPTO		KM
Size		30	40	50	30	40	50	63/80	100	C5/C6	C8	50/63
S	Flange Spacing (mm)	35	35	35	30	35	41	42	45	38	40	40

TF-IC-300



MAG1 Optional Programmable Spindle allows 360 degree positioning of the NSK output.

TECHNICAL DATA

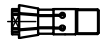
TF-IC-300			
Tool RPM Maximum	30,000	Reduction Ratio	.75/1
NSK Output RPM	20,000	Air Pressure	90 psi max.
Air Motor	AM-310	Air Consumption	7.98 cfm
NSK Output Tool	IC-300	Weight	8.8 lbs
Power	0.14 HP	Collet	CHC

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

Torque Speed	Coolant Option	Spindle Runout
Torque-Speed Chart AM-310 The chart shows a linear relationship between Torque (ft.lbs.) and RPM x 1,000. The y-axis ranges from 0 to 0.089 ft.lbs. in increments of 0.015. The x-axis ranges from 0 to 30 in increments of 10. A red line starts at (0, 0.089) and ends at (30, 0).	Coolant may be used while machining.	Spindle Runout 2 μ

COLLETS

CHC (TF-IC-300)

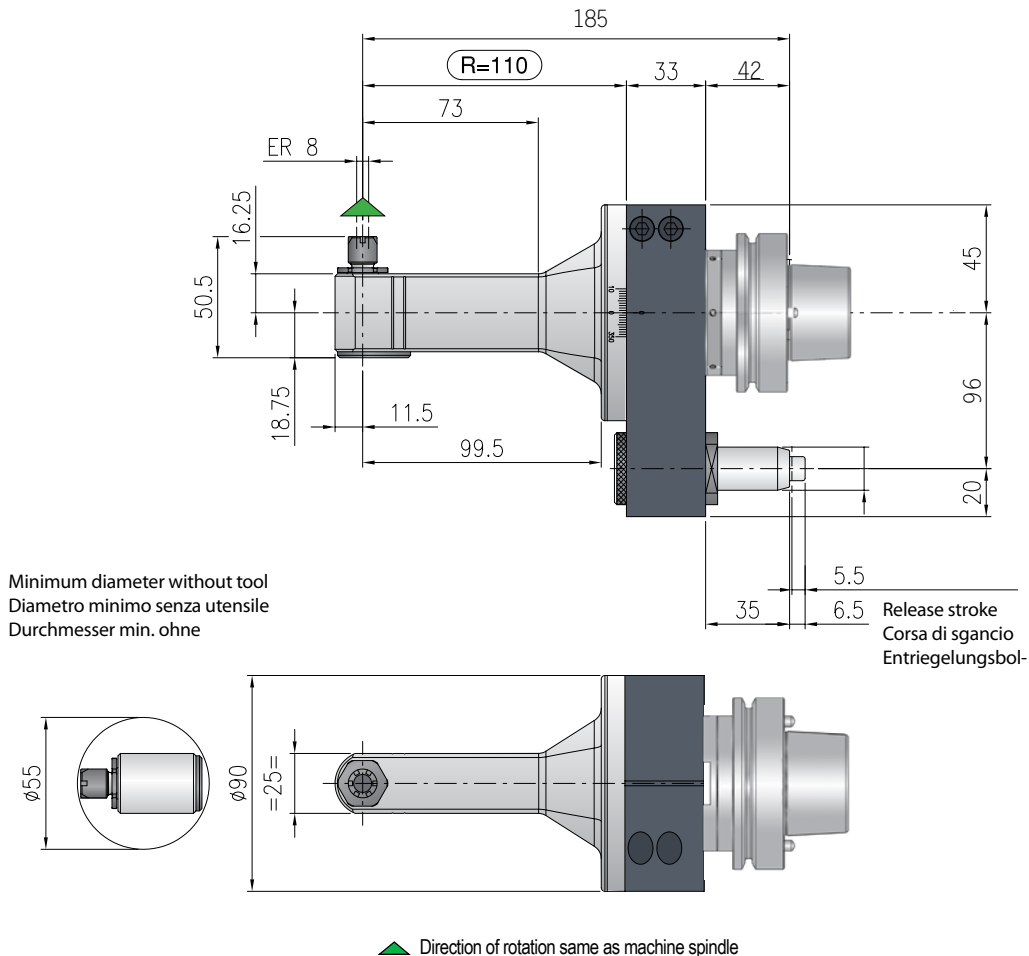


Model	Inside Diameter (mm)
GP-59021-00	1.6
GP-59024-00	2.35
GP-59015-00	3.0
GP-59010-00	3.175

OPTIONAL AIRLINE KIT



DIMENSIONAL DRAWING

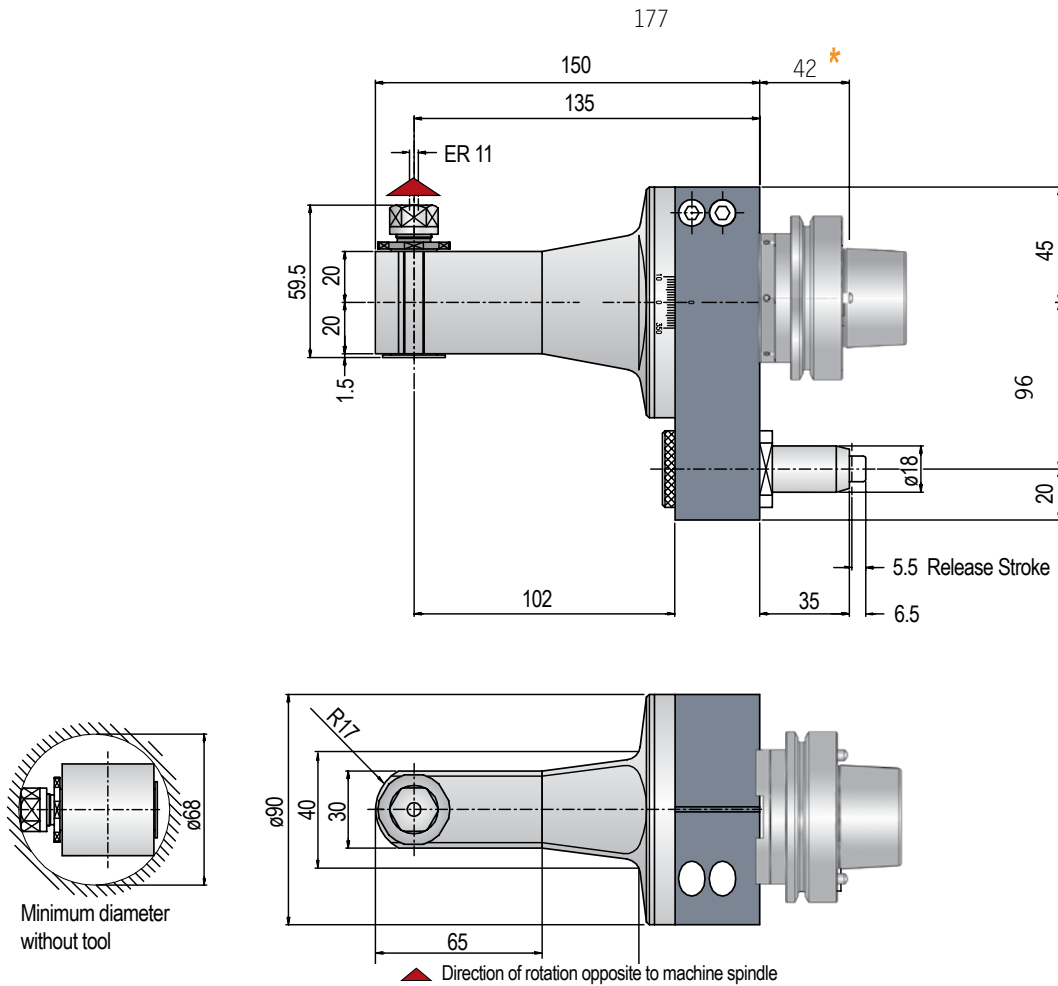


TECHNICAL DATA

T90cn-0.4.1	
Ratio	1:1
Maximum Input RPM	10,000
Weight	8.8 lbs

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

DIMENSIONAL DRAWING

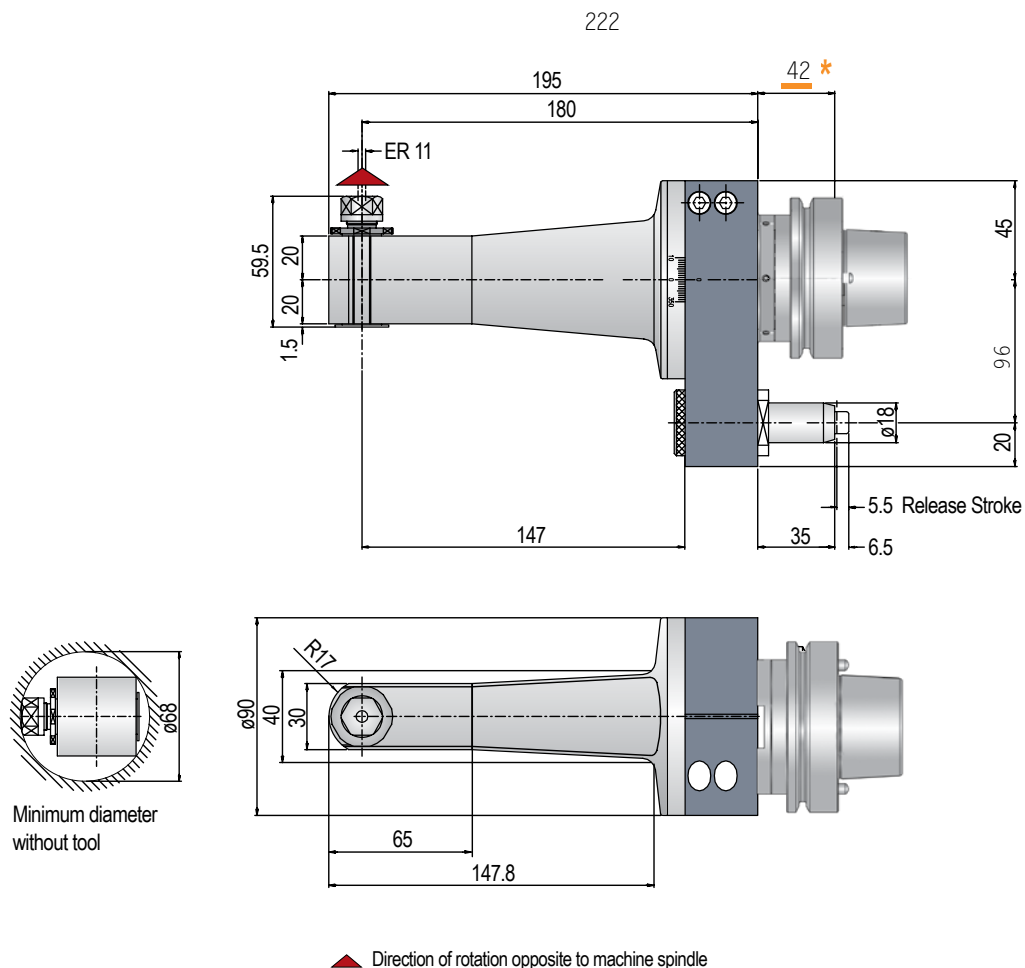


TECHNICAL DATA

T90cn-0.5	
Ratio	1:1
Maximum Input RPM	10,000
Weight	8.8 lbs

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

DIMENSIONAL DRAWING

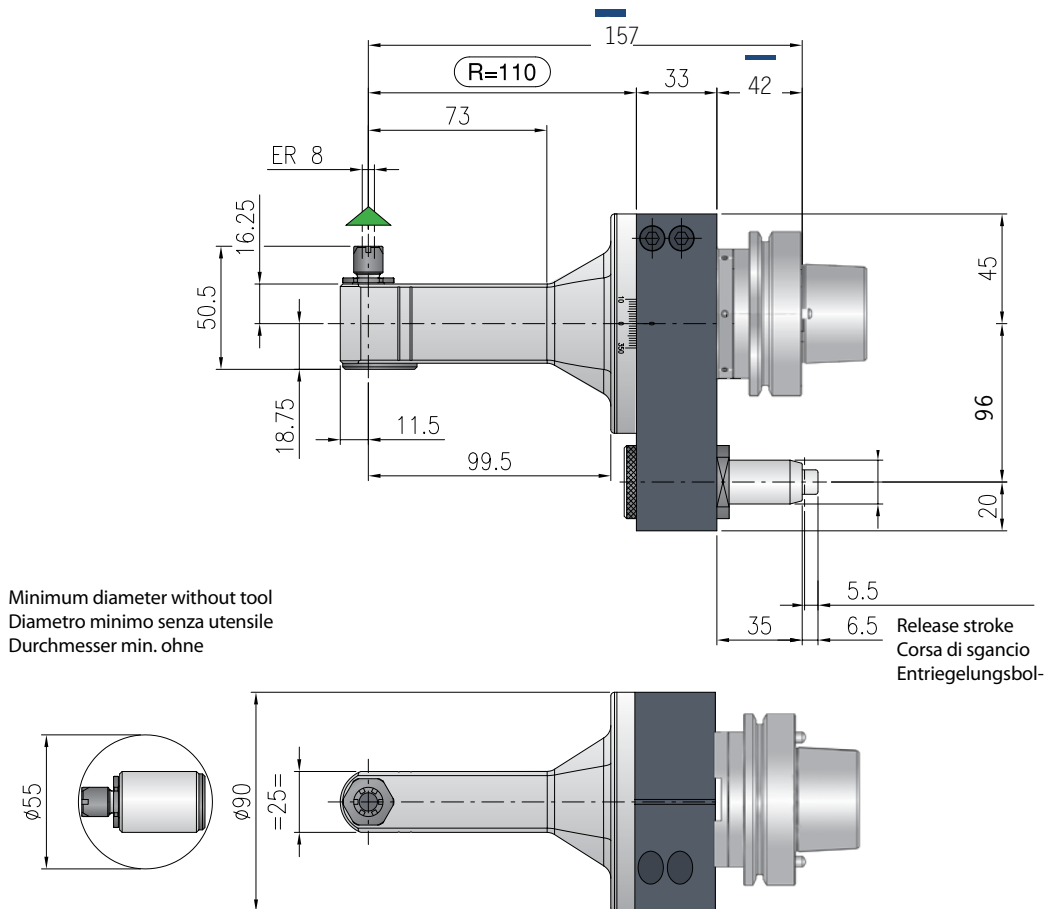


TECHNICAL DATA

T90cn-0.5L	
Ratio	1:1
Maximum Input RPM	10,000
Weight	9.5 lbs

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

DIMENSIONAL DRAWING



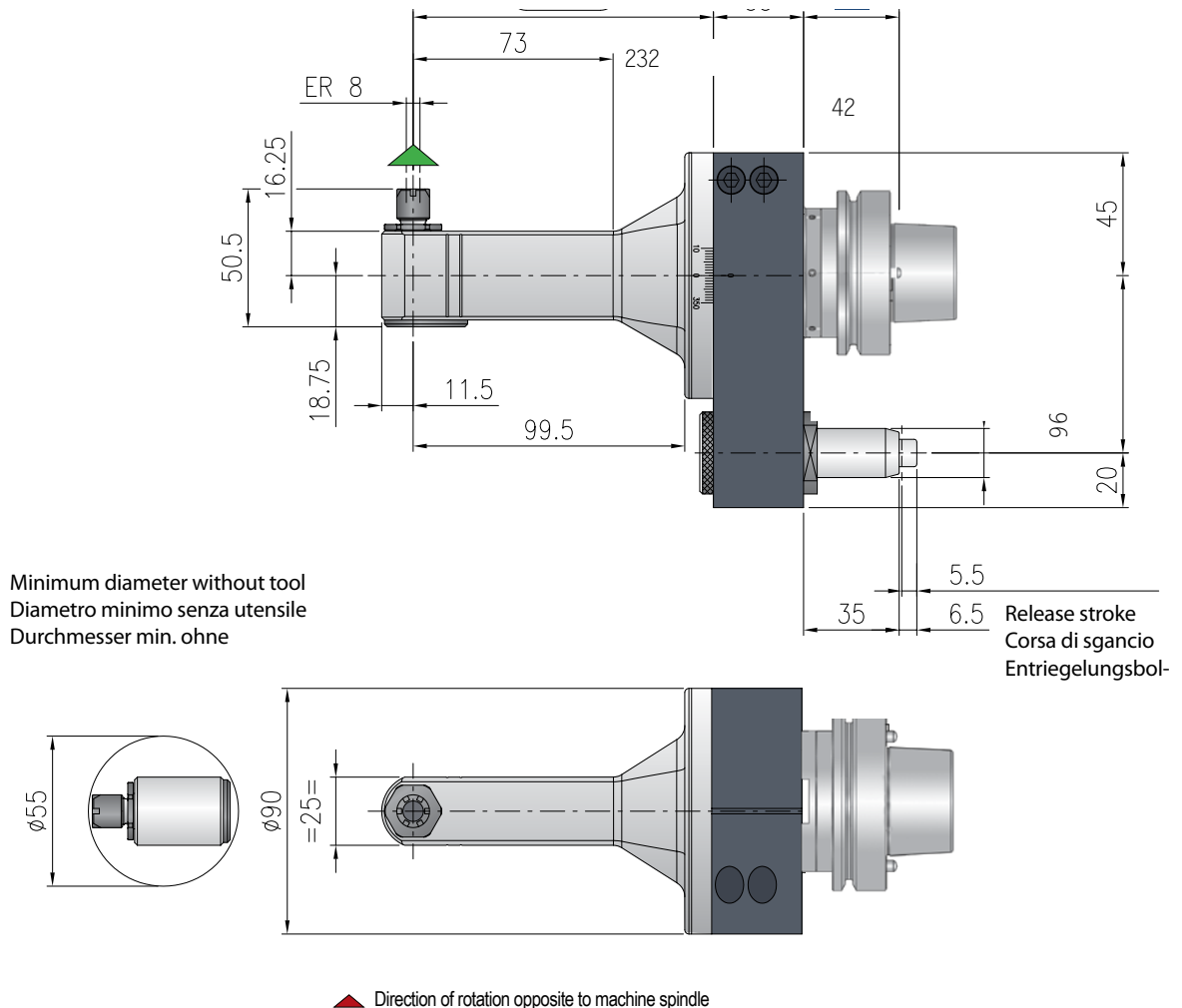
▲ Direction of rotation opposite to machine spindle

TECHNICAL DATA

T90cn-1.5	
Ratio	1:1
Maximum Input RPM	8,000
Weight	9.5 lbs

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

DIMENSIONAL DRAWING



TECHNICAL DATA

T90cn-1.5L	
Ratio	1:1
Maximum Input RPM	8,000
Weight	11.4 lbs

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

UNLOCK YOUR POTENTIAL TODAY!

For Over 40 years Koma Precision Inc. has partnered with Tsudakoma and Alberti, to become the North American leader in machine tool accessories. Both Tsudakoma and Alberti machine tool accessories are built to the highest standards and set the bar for excellence, quality, and performance.

Koma Precision has an installation base of over 30,000 Tsudakoma rotary tables and 25,000 Alberti angle heads and live tools, leading the way with knowledge and experience.

Knowledge and Experience Matter.

Our three facilities totaling 40,000 sq/ft, feature a full machine shop, state-of-the-art inspection and test equipment, and product demonstration showroom. Our Connecticut based headquarters also houses our multi-million-dollar inventory of new products and spare parts.



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