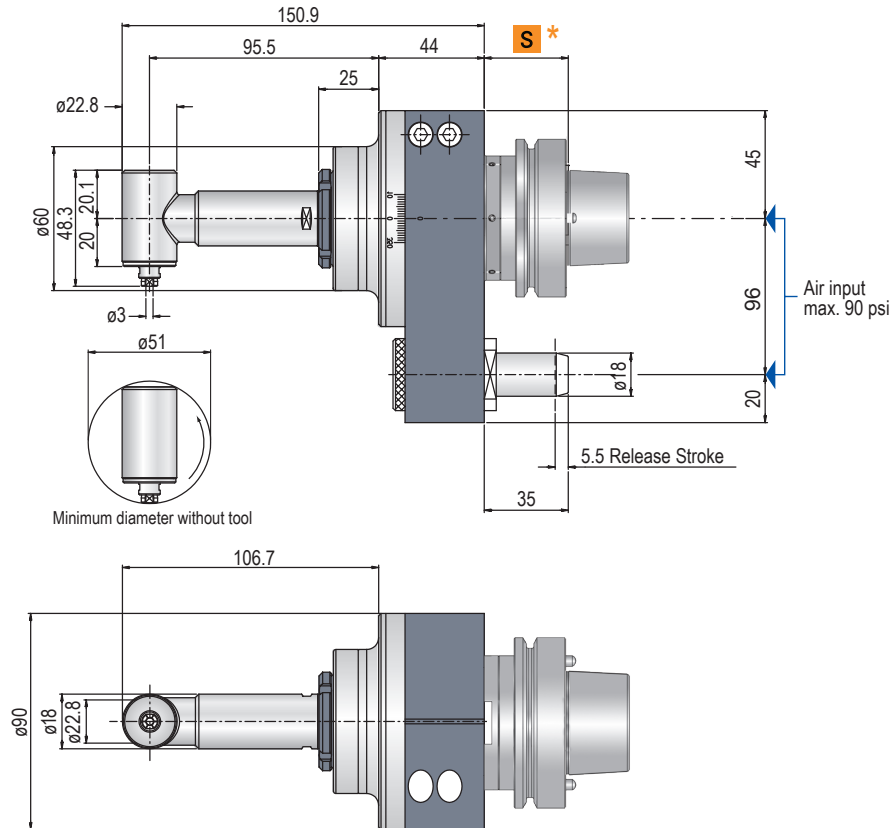




Alberti
Angle Heads
Selection Guide

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

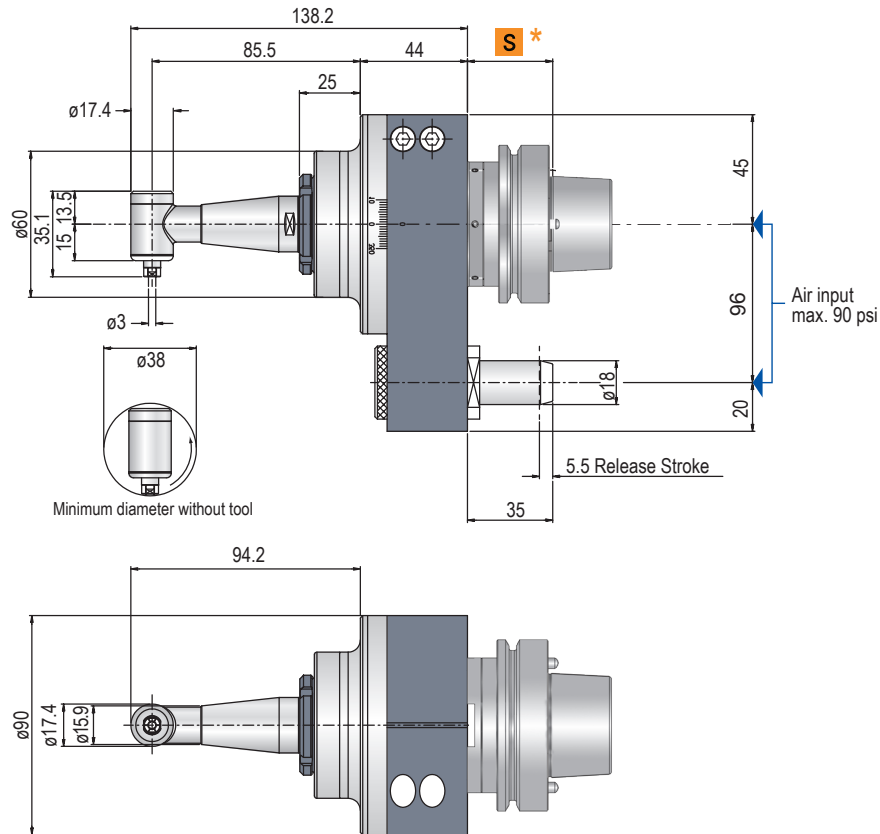
Included with Tool: Storage Case • Wrenches • Grease • Instruction Manual

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

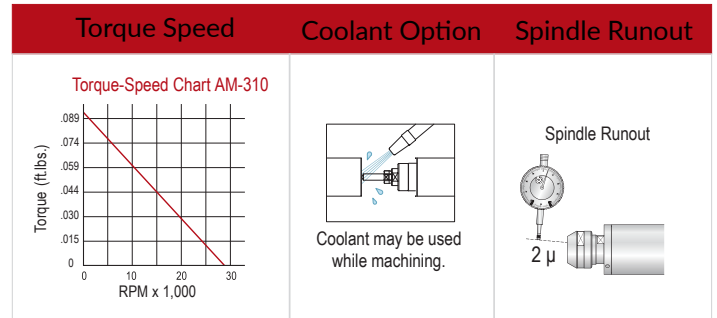
DIMENSIONAL DRAWING



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

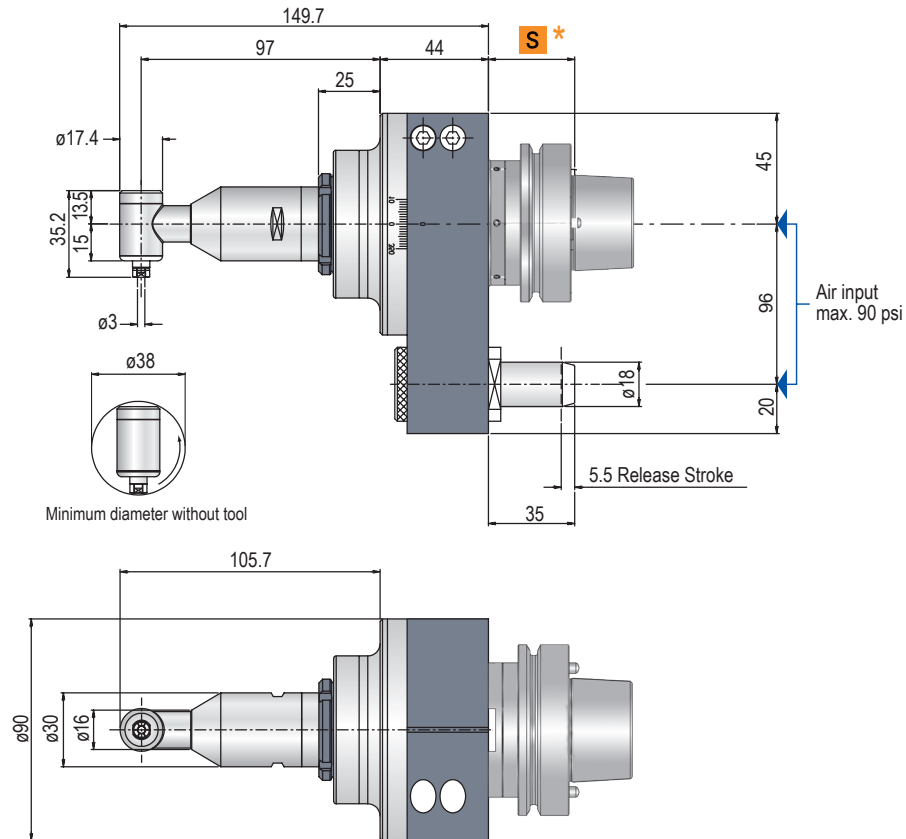
Included with Tool: Storage Case • Wrenches • Grease • Instruction Manual



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

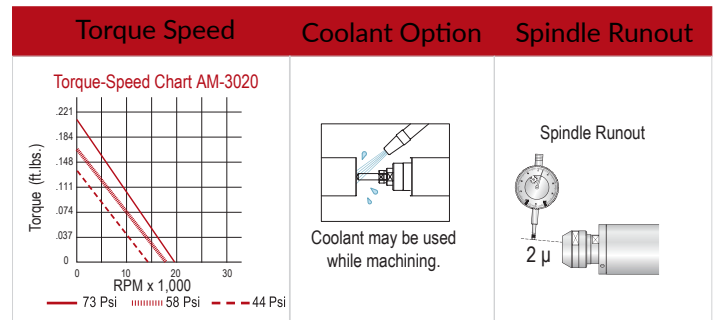
DIMENSIONAL DRAWING



TECHNICAL DATA

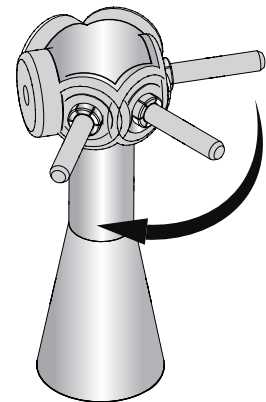
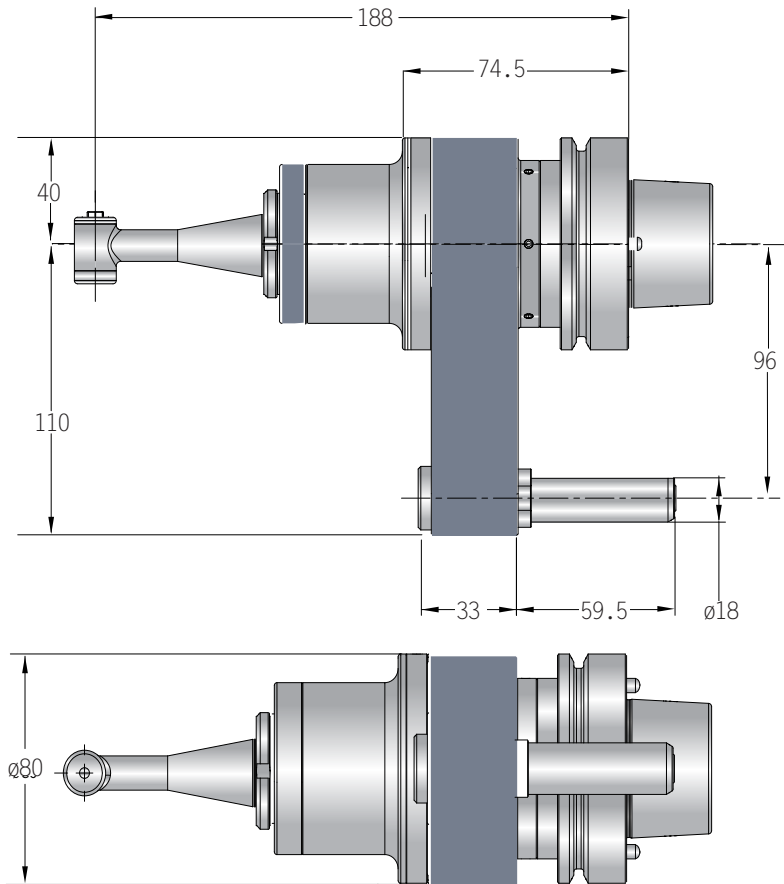
TF-RA-271E			
Tool RPM Maximum	18,000	Reduction Ratio	1/1.5
NSK Output RPM	12,000	Air Pressure	90 psi max.
Air Motor	AM-3020	Air Consumption	6.29 cfm
NSK Output Tool	RA-271E	Weight	8.8 lbs
Power	0.17 HP	Collet	CHS

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



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 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

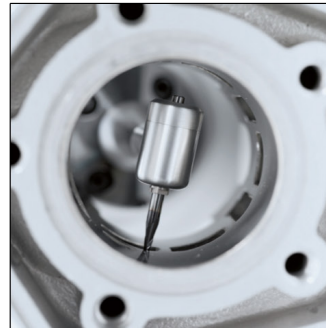
COLLETS

CHC (TF-IC-300)

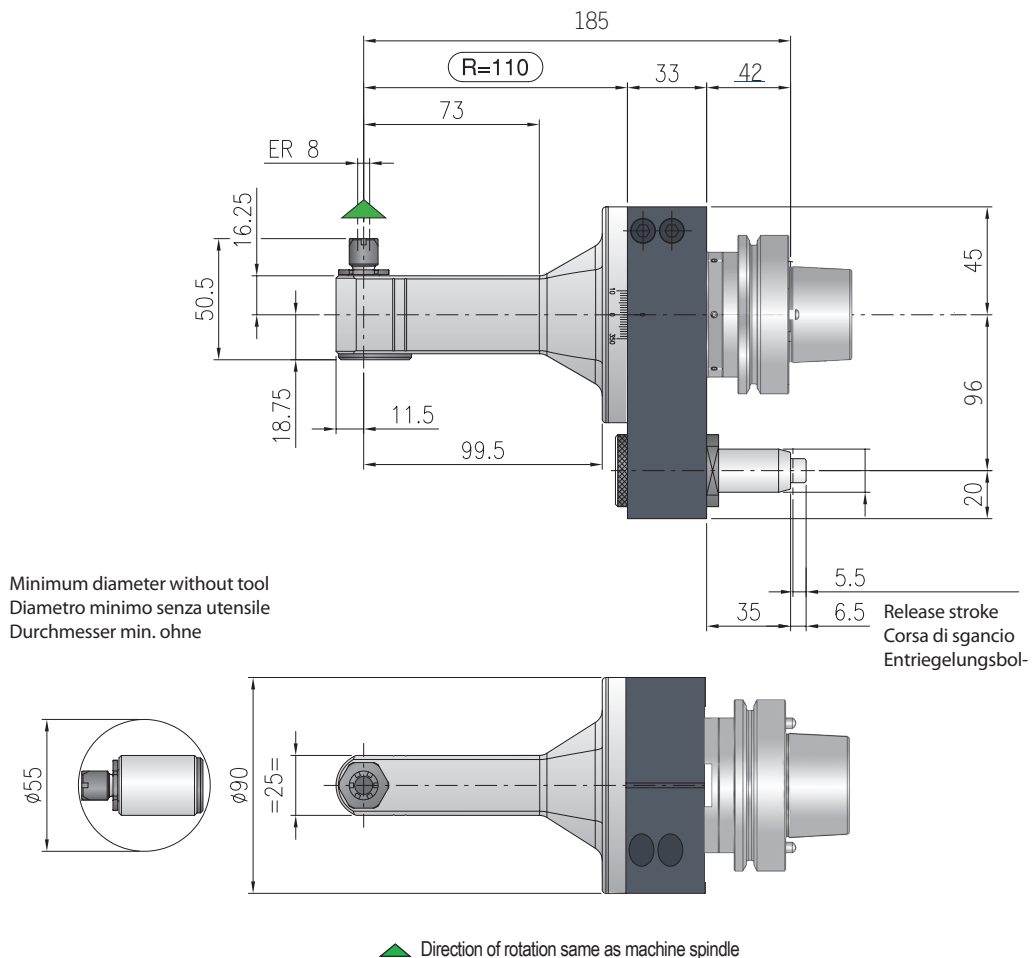


Model	Inside Diameter (mm)
GP-59021-00	1.6
GP-59024-00	2.35
GP-59015-00	3.0
GP-59010-00	3.175

OPTIONAL AIRLINE KIT



DIMENSIONAL DRAWING

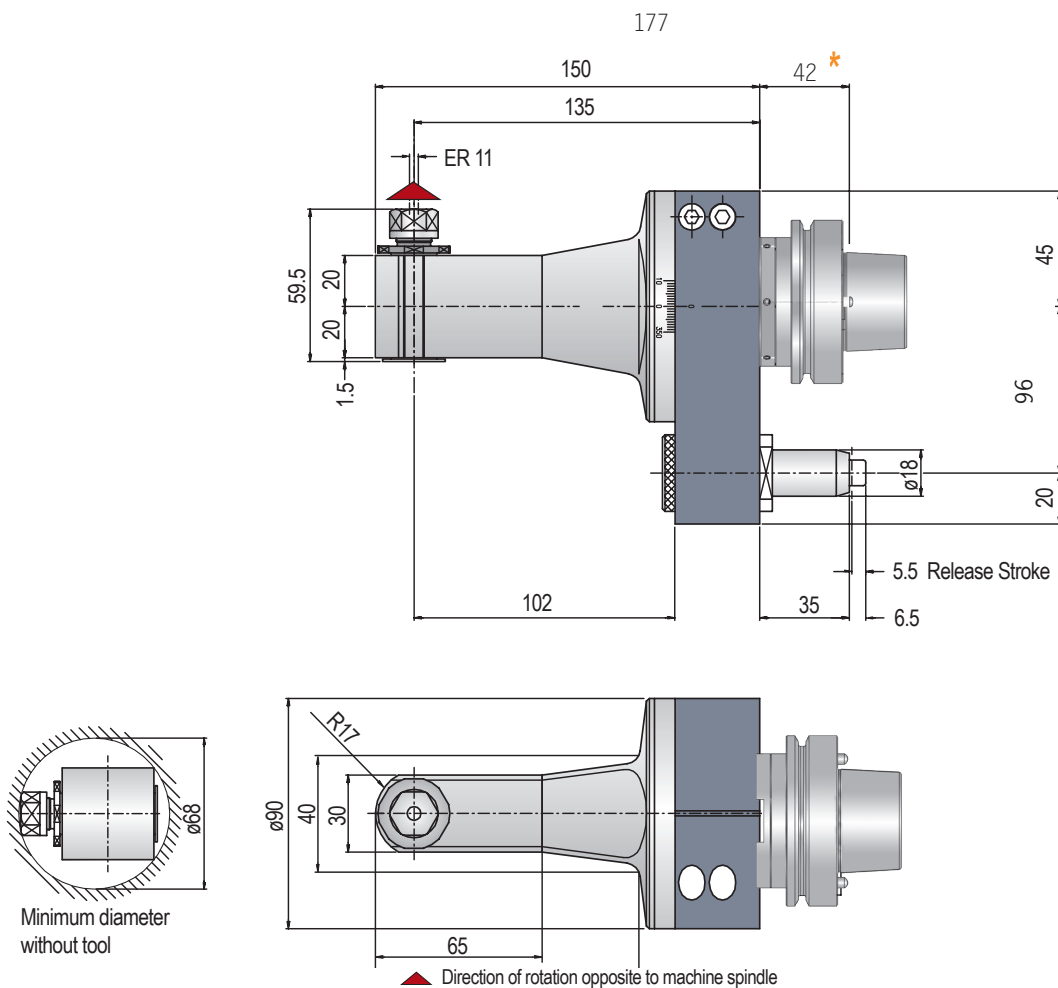


TECHNICAL DATA

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

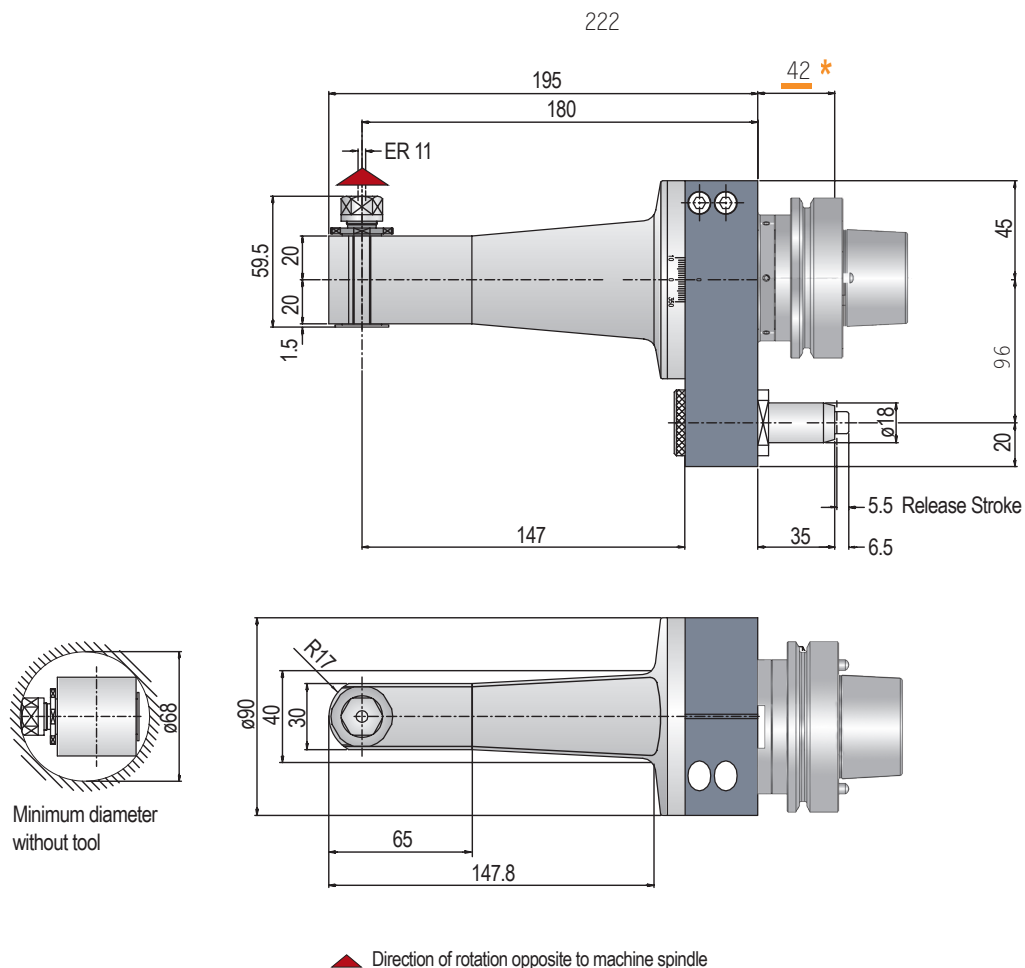


TECHNICAL DATA

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

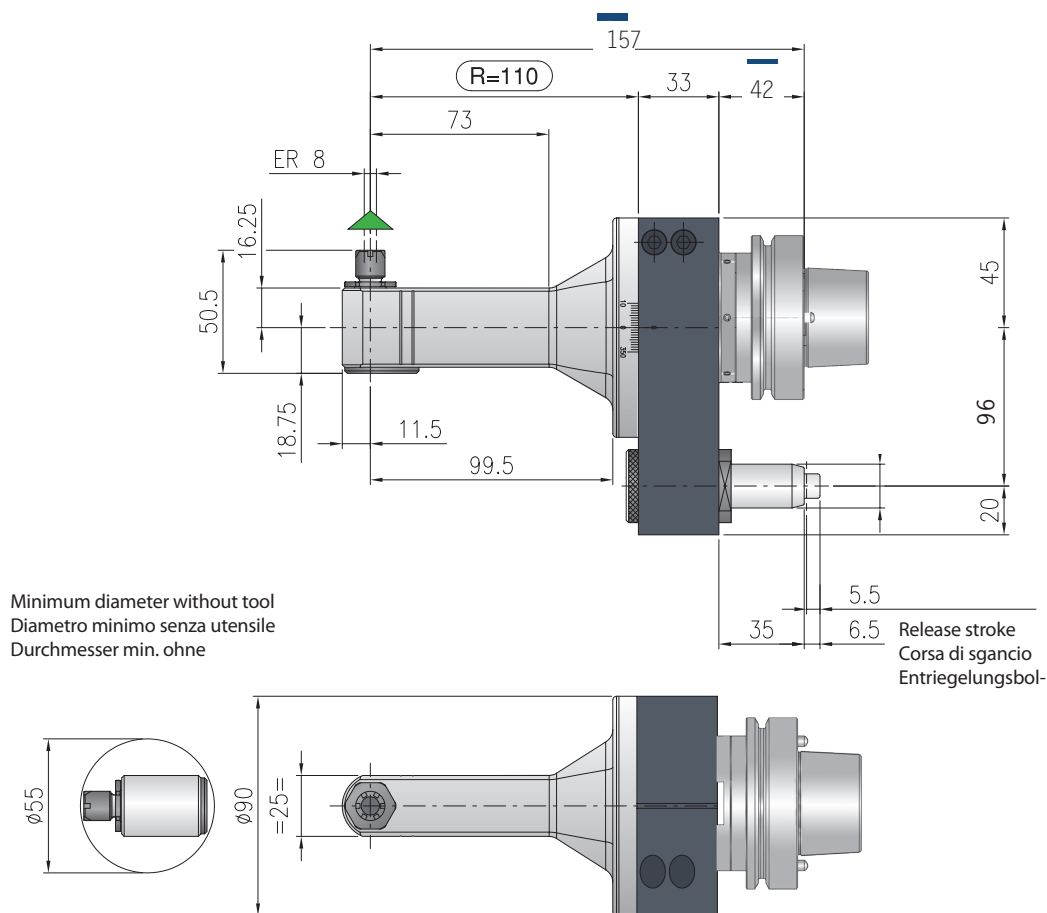


TECHNICAL DATA

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



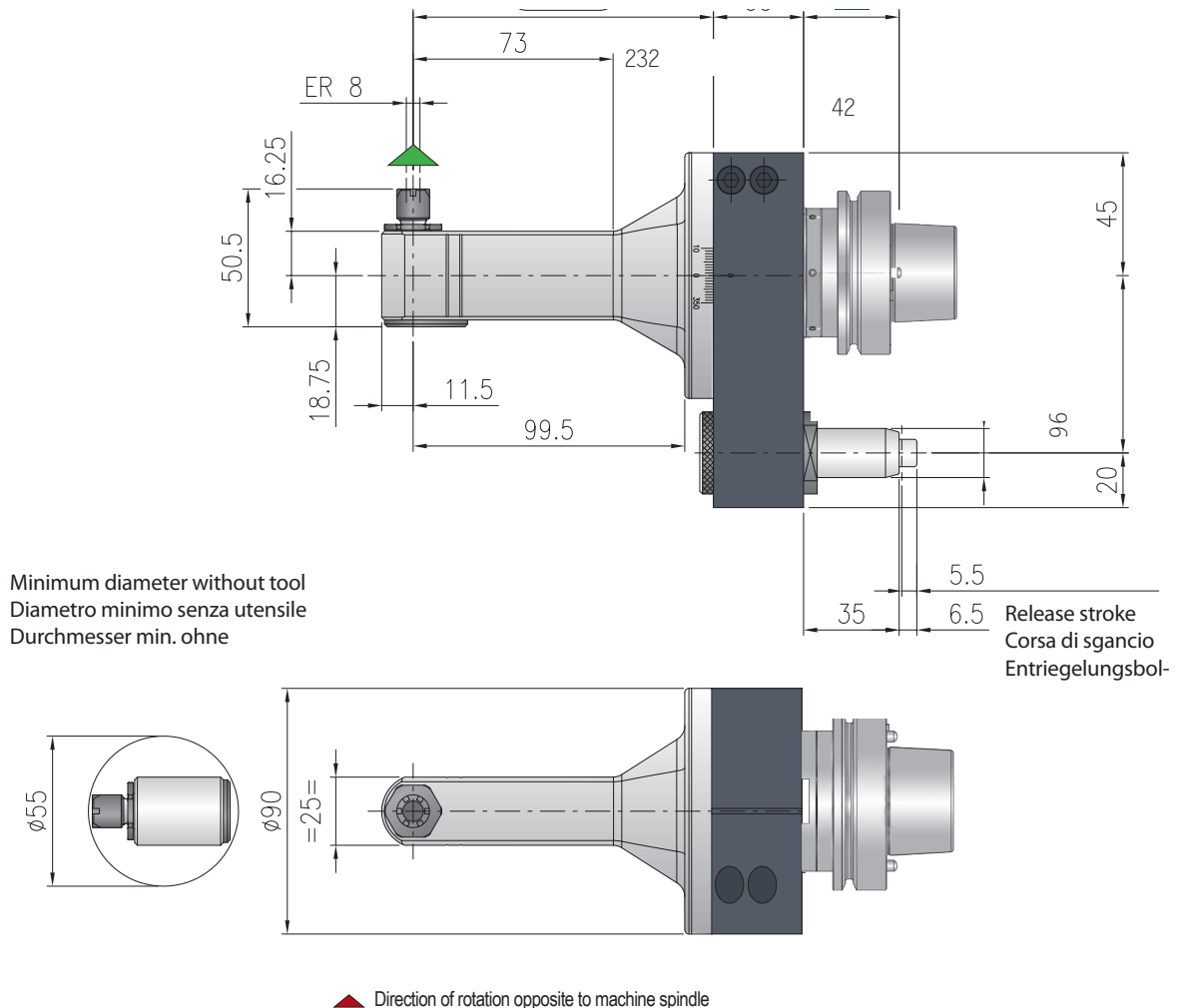
▲ Direction of rotation opposite to machine spindle

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



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