

DRIVEN and STATIC TOOLING

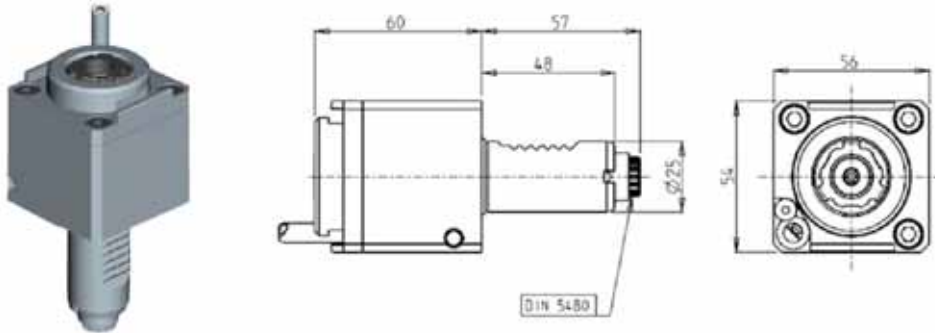
For

SAUTER.
DIN 5480

VDI25 DIN 5480

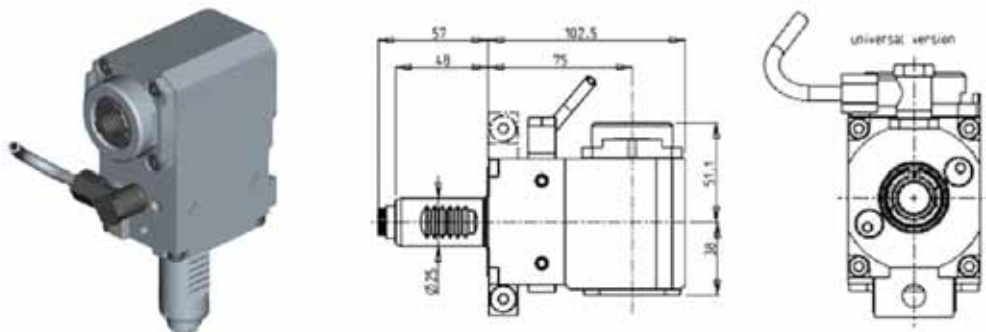
DRIVEN

AXIAL DRIVEN TOOL VDI25 DIN 5480



PartNumber	Description	Spindle	I	RPM	Ext. Coolant
SAU0390320	Axial Driven ERA20 VDI25 DIN5480	ERA20	1:1	6000	X

RADIAL DRIVEN TOOL VDI25 DIN 5480

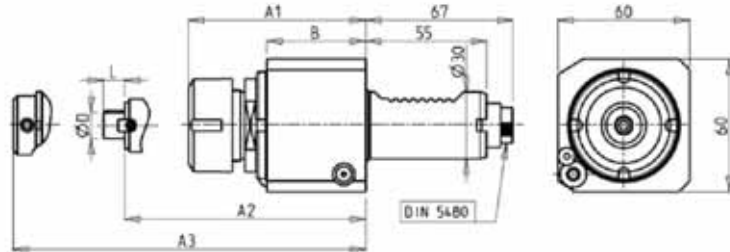


PartNumber	Description	Spindle	I	RPM	Ext. Coolant
SAU0402320	Radial Driven ERA20 VDI25 DIN5480	ERA20	1:1	6000	X

VDI30 DIN 5480

DRIVEN

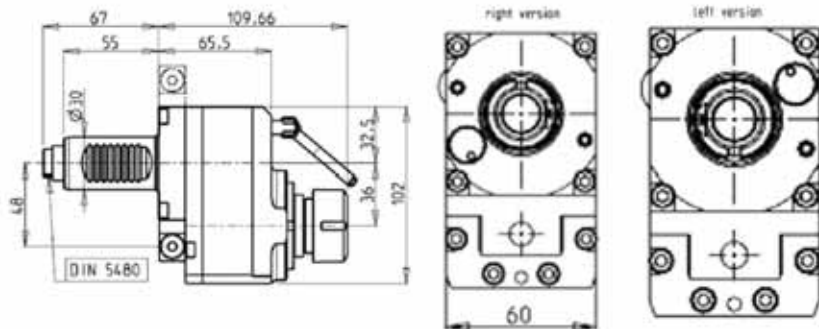
AXIAL DRIVEN TOOL VDI30 DIN 5480



PartNumber	Description	Spindle	I	RPM	Coolant Thru	Ext Coolant	A1	A2	A3	B	D	L
SAU0070125	Axial ER25 VDI30 DIN5480	ER25	1:1	6000		X	80.66			45		
SAU0071125	Axial ER25 VDI30 DIN5480 Coolant Thru*	ER25	1:1	6000	X	X	94.66			59		
SAU0070225	Axial ER25A VDI30 DIN5480	ER25A	1:1	6000		X	61			45		
SAU0071225	Axial ER25A VDI30 DIN5480 Coolant Thru*	ER25A	1:1	6000	X	X	84.03			59		
SAU0070316	Axial Weldon 16 VDI30 DIN5480	Weldon 16	1:1	6000		X			66.5	56		
SAU0071316	Axial Weldon 16 VDI30 DIN5480 Coolant Thru*	Weldon 16	1:1	6000	X	X			80	70		
SAU0070416	Mill Head D=16, L=17 VDI30 DIN5480	16x17	1:1	6000		X		59.5		56	16	17
SAU0070422	Mill Head D=22, L=19 VDI30 DIN5480	22x19	1:1	6000		X		61.5		56	22	19

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

GEARED DOWN AXIAL REDIRECTED DRIVEN TOOL VDI30 DIN 5480

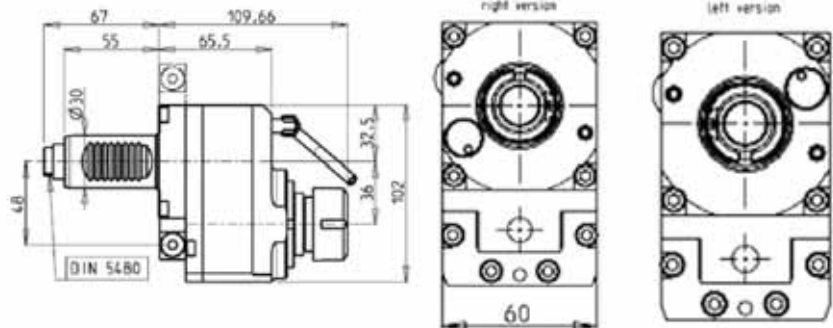


PartNumber	Description	Orient.	Spindle	I	RPM	Ext Coolant
SAU0100325	Axial Geared Down ER25 RH	Right	ER25	2:1	3000	X
SAU0101325	Axial Geared Down ER25 LH	Left	ER25	2:1	3000	X

VDI30 DIN 5480

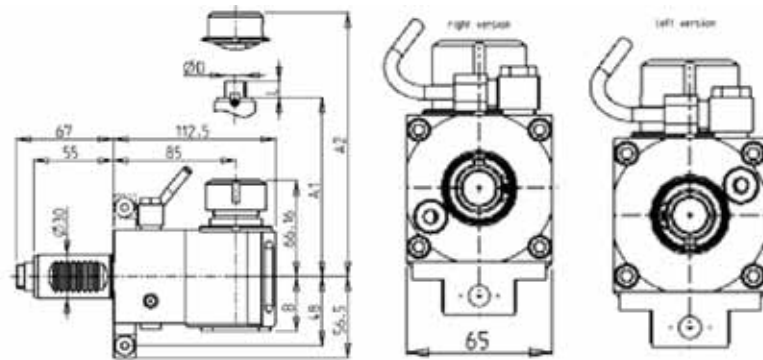
DRIVEN

GEARED UP AXIAL REDIRECTED DRIVEN TOOL VDI30 DIN 5480



PartNumber	Description	Orient.	Spindle	I	RPM	Ext Coolant
SAU0100225	Axial Geared Up ER25 RH	Right	ER25	1:2	12000	X
SAU0101225	Axial Geared Up ER25 LH	Left	ER25	1:2	12000	X

RADIAL DRIVEN TOOL VDI30 DIN 5480 H=85



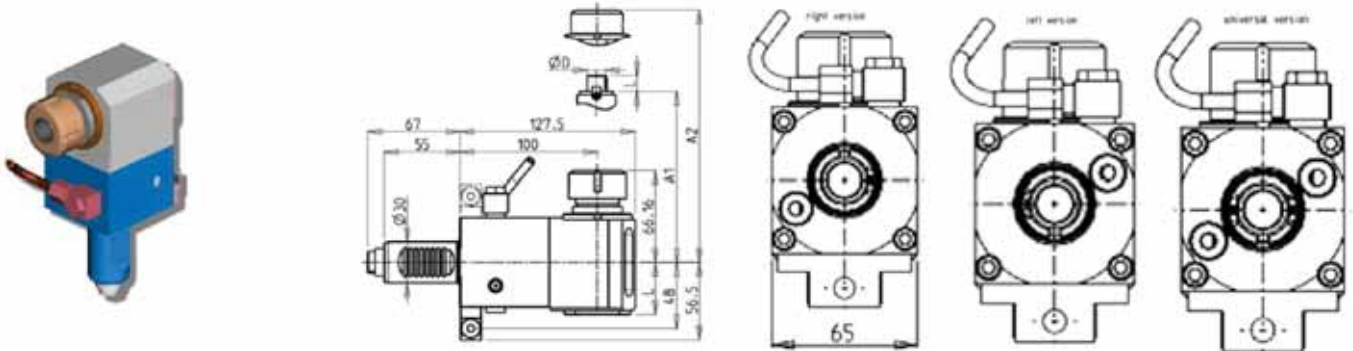
PartNumber	Description	Orient.	Spindle	I	RPM	Cool Thru	Ext Cool	A1	A2	B	D	L
SAU0080125	Radial ER25 RH H85	Right	ER25	1:1	6000		X			38		
SAU0080225	Radial ER25 RH H85 Coolant Thru*	Right	ER25	1:1	6000	X	X			48		
SAU0080416	Radial Mill Head D=16, L=17 RH H85	Right	16x17	1:1	6000		X	45		38	16	17
SAU0080422	Radial Mill Head D=22, L=19 RH H85	Right	22x19	1:1	6000		X	47		38	22	19
SAU0080316	Radial Weldon 16 RH H75	Right	Weldon 16	1:1	6000		X		54.5	38		
SAU0081125	Radial ER25 LH H85	Left	ER25	1:1	6000		X			38		
SAU0081225	Radial ER25 LH H85 Coolant Thru*	Left	ER25	1:1	6000	X	X			48		
SAU0081416	Radial Mill Head D=16, L=17 LH H85	Left	16x17	1:1	6000		X	45		38	16	17
SAU0081422	Radial Mill Head D=22, L=19 LH H85	Left	22x19	1:1	6000		X	47		38	22	19
SAU0081316	Radial Weldon 16 LH H85	Left	Weldon 16	1:1	6000		X		54.5	38		

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

VDI30 DIN 5480

DRIVEN

RADIAL DRIVEN TOOL VDI30 DIN 5480 H=100



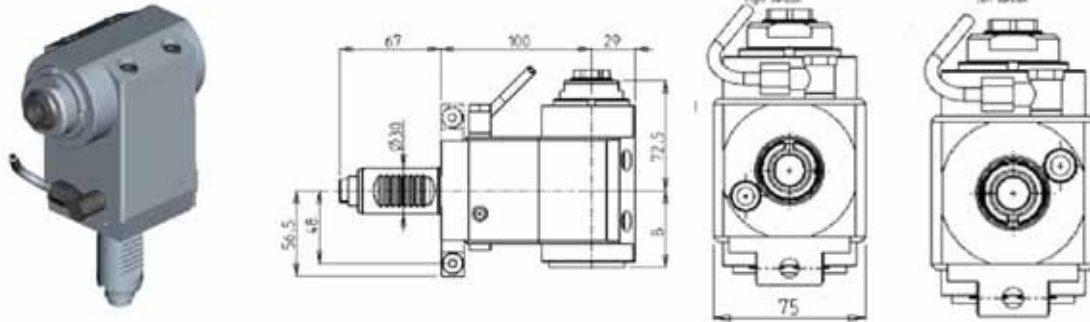
PartNumber	Description	Orient.	Spindle	I	RPM	Cool Thru	Ext Cool	A1	A2	B	D	L
SAU0160125	Radial ER25 RH H100	Right	ER25	1:1	6000		X			38		
SAU0160225	Radial ER25 RH H100 Coolant Thru*	Right	ER25	1:1	6000	X	X			48		
SAU0160416	Radial Mill Head D=16, L=17 RH H100	Right	16x17	1:1	6000		X	45		38	16	17
SAU0160422	Radial Mill Head D=22, L=19 RH H100	Right	22x19	1:1	6000		X	47		38	22	19
SAU0160316	Radial Weldon 16 RH H100	Right	Weldon 16	1:1	6000		X		54.5	38		
SAU0161125	Radial ER25 LH H100	Left	ER25	1:1	6000		X			38		
SAU0161225	Radial ER25 LH H100 Coolant Thru*	Left	ER25	1:1	6000	X	X			48		
SAU0161416	Radial Mill Head D=16, L=17 LH H100	Left	16x17	1:1	6000		X	45		38	16	17
SAU0161422	Radial Mill Head D=22, L=19 LH H100	Left	22x19	1:1	6000		X	47		38	22	19
SAU0161316	Radial Weldon 16 LH H100	Left	Weldon 16	1:1	6000		X		54.5	38		
SAU0162125	Radial ER25 Univ. H100	Universal	ER25	1:1	6000		X			38		
SAU0162225	Radial ER25 Univ. H100 Coolant Thru*	Universal	ER25	1:1	6000	X	X			48		
SAU0162416	Radial Mill Head D=16, L=17 Univ. H100	Universal	16x17	1:1	6000		X	45		38	16	17
SAU0162422	Radial Mill Head D=22, L=19 Univ. H100	Universal	22x19	1:1	6000		X	47		38	22	19
SAU0162316	Radial Weldon Universal H100	Universal	Weldon 16	1:1	6000		X		54.5	38		

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

VDI30 DIN 5480

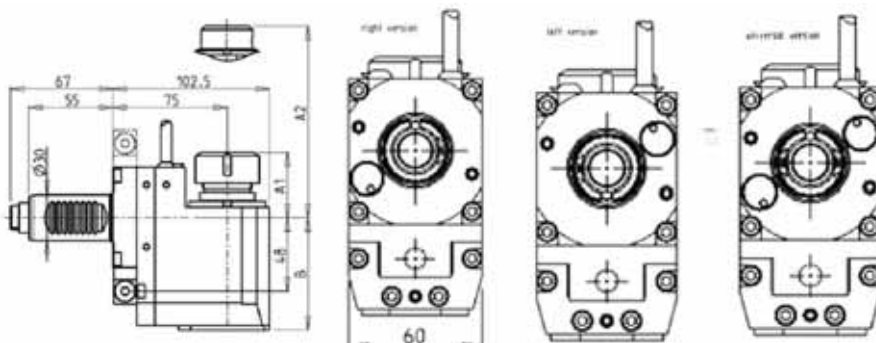
DRIVEN

RADIAL GEARED UP 1:2 DRIVEN TOOL VDI30 DIN 5480



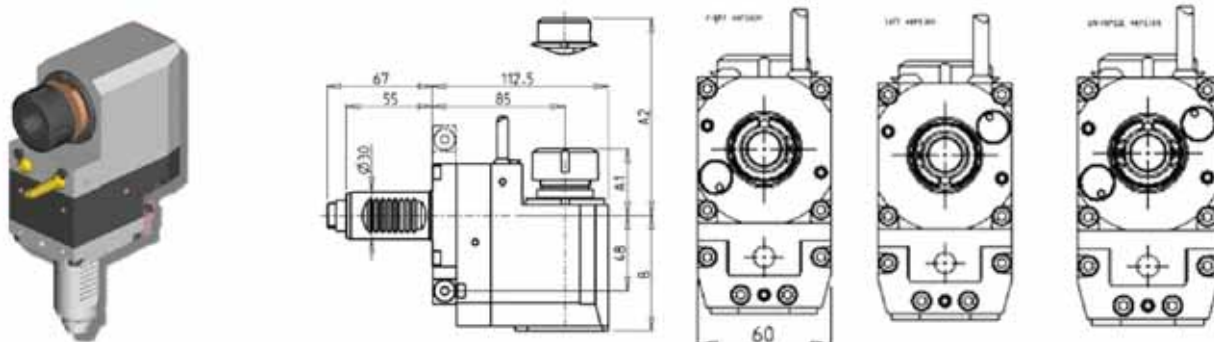
PartNumber	Description	Spindle	I	RPM	Coolant Thru	Ext Coolant	B
SAU0340120	Radial Geared-Up RH1:2 ERA20	ERA20	1:2	12000		X	50.5
SAU0341120	Radial Geared-Up LH1:2 ERA20	ERA20	1:2	12000		X	50.5
SAU0340220	Radial Geared-Up RH1:2 ERA20 Coolant Thru*	ERA20	1:2	12000	X	X	58.5
SAU0341220	Radial Geared-Up LH1:2 ERA20 Coolant Thru*	ERA20	1:2	12000	X	X	58.5

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

VDI30 DIN 5480**DRIVEN****RADIAL REAR-SET DRIVEN TOOL VDI30 DIN 5480 H-75**

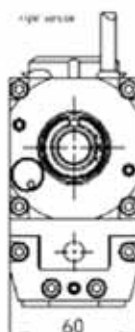
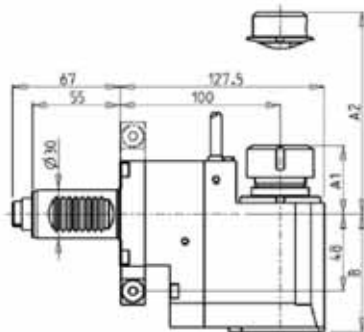
PartNumber	Description	Orient.	Spindle	I	RPM	Coolant Thru	Ext Coolant	A1	A2	B
SAU0090120	Radial Rear-set ER20 RH H75	Right	ER20	1:1	6000		X	41.16		73.5
SAU0090125	Radial Rear-set ER25 RH H75	Right	ER25	1:1	6000		X	42.16		73.5
SAU0090325	Radial Rear-set ER25A RH H75	Right	ER25A	1:1	6000		X	28.5		73.5
SAU0090225	Radial Rear-set ER25 RH H75 Coolant Thru*	Right	ER25	1:1	6000	X	X	42.16		83.5
SAU0090425	Radial Rear-set ER25A RH H75 Coolant Thru*	Right	ER25A	1:1	6000	X	X	28.5		83.5
SAU0090516	Radial Rear-set Weldon 16 RH H75	Right	Weldon 16	1:1	6000		X		27.5	73.5
SAU0091120	Radial Rear-set ER20 LH H75	Left	ER20	1:1	6000		X	41.16		73.5
SAU0091125	Radial Rear-set ER25 LH H75	Left	ER25	1:1	6000		X	42.16		73.5
SAU0091325	Radial Rear-set ER25A LH H75	Left	ER25A	1:1	6000		X	28.5		73.5
SAU0091225	Radial Rear-set ER25 LH H75 Coolant Thru*	Left	ER25	1:1	6000	X	X	42.16		83.5
SAU0091425	Radial Rear-set ER25A LH H75 Coolant Thru*	Left	ER25A	1:1	6000	X	X	28.5		83.5
SAU0091516	Radial Rear-set Weldon 16 LH H75	Left	Weldon 16	1:1	6000		X		27.5	73.5
SAU0092120	Radial Rear-set ER20 Univ. H75	Universal	ER20	1:1	6000		X	41.16		73.5
SAU0092125	Radial Rear-set ER25 Univ. H75	Universal	ER25	1:1	6000		X	42.16		73.5
SAU0092325	Radial Rear-set ER25A Univ. H75	Universal	ER25A	1:1	6000		X	28.5		73.5
SAU0092225	Radial Rear-set ER25 Univ. H75 Coolant Thru*	Universal	ER25	1:1	6000	X	X	42.16		83.5
SAU0092425	Radial Rear-set ER25A Univ. H75 Coolant Thru*	Universal	ER25A	1:1	6000	X	X	28.5		83.5
SAU0092516	Radial Rear-set Weldon16 Univ. H75	Universal	Weldon 16	1:1	6000		X		27.5	73.5

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

VDI30 DIN 5480**DRIVEN****RADIAL REAR-SET DRIVEN TOOL VDI30 DIN 5480 H-85**

PartNumber	Description	Orient.	Spindle	I	RPM	Coolant Thru	Ext Coolant	A1	A2	B
SAU0130120	Radial Rear-set ER20 RH H85	Right	ER20	1:1	6000		X	41.16		73.5
SAU0130125	Radial Rear-set ER25 RH H85	Right	ER25	1:1	6000		X	42.16		73.5
SAU0130225	Radial Rear-set ER25 RH H85 Coolant Thru*	Right	ER25	1:1	6000	X	X	42.16		83.5
SAU0130325	Radial Rear-set ER25A RH H85	Right	ER25A	1:1	6000		X	28.5		73.5
SAU0130425	Radial Rear-set ER25A RH H85 Coolant Thru*	Right	ER25A	1:1	6000	X	X	28.5		83.5
SAU0130516	Radial Rear-set Weldon 16 RH H85	Right	Weldon 16	1:1	6000		X		27.5	73.5
SAU0131120	Radial Rear-set ER20 LH H85	Left	ER20	1:1	6000		X	41.16		73.5
SAU0131225	Radial Rear-set ER25 LH H85 Coolant Thru*	Left	ER25	1:1	6000	X	X	42.16		83.5
SAU0131125	Radial Rear-set ER25 LH H85	Left	ER25	1:1	6000		X	42.16		73.5
SAU0131325	Radial Rear-set ER25A LH H85	Left	ER25A	1:1	6000		X	28.5		73.5
SAU0131425	Radial Rear-set ER25A LH H85 Coolant Thru*	Left	ER25A	1:1	6000	X	X	28.5		83.5
SAU0131516	Radial Rear-set Weldon 16 LH H85	Left	Weldon 16	1:1	6000		X		27.5	73.5
SAU0132120	Radial Rear-set ER20 Univ. H85	Universal	ER20	1:1	6000		X	41.16		73.5
SAU0132125	Radial Rear-set ER25 Univ. H85	Universal	ER25	1:1	6000		X	42.16		73.5
SAU0132225	Radial Rear-set ER25 Univ. H85 Coolant Thru*	Universal	ER25	1:1	6000	X	X	42.16		83.5
SAU0132325	Radial Rear-set ER25A Univ. H85	Universal	ER25A	1:1	6000		X	28.5		73.5
SAU0132425	Radial Rear-set ER25A Univ. H85 Coolant Thru*	Universal	ER25A	1:1	6000	X	X	28.5		83.5
SAU0132516	Radial Rear-set Weldon 16 Univ. H85	Universal	Weldon 16	1:1	6000		X		27.5	73.5

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

VDI30 DIN 5480**DRIVEN****RADIAL REAR-SET DRIVEN TOOL VDI30 DIN 5480 H-100**

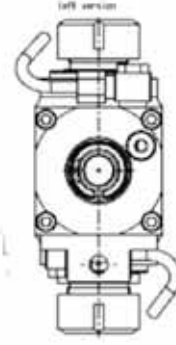
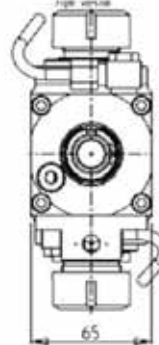
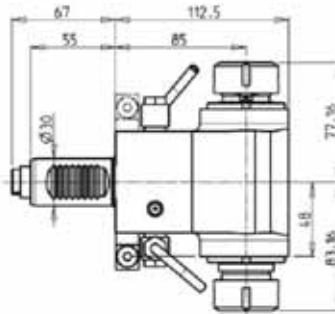
PartNumber	Description	Orient.	Spindle	I	RPM	Coolant Thru	Ext Coolant	A1	A2	B
SAU0140120	Radial Rear-set ER20 RH H100	Right	ER25	1:1	6000		X	41.16		73.5
SAU0140125	Radial Rear-set ER25 RH H100	Right	ER25	1:1	6000		X	42.16		73.5
SAU0140325	Radial Rear-set ER25A RH H100	Right	ER25A	1:1	6000		X	28.5		73.5
SAU0140225	Radial Rear-set ER25 RH H100 Coolant Thru*	Right	ER25	1:1	6000	X	X	42.16		83.5
SAU0140425	Radial Rear-set ER25A RH H100 Coolant Thru*	Right	ER25A	1:1	6000	X	X	28.5		83.5
SAU0140516	Radial Rear-set Weldon 16 RH H100	Right	Weldon 16	1:1	6000		X		27.5	73.5
SAU0141120	Radial Rear-set ER20 LH H100	Left	ER20	1:1	6000		X	41.16		73.5
SAU0141125	Radial Rear-set ER25 LH H100	Left	ER25	1:1	6000		X	42.16		73.5
SAU0141325	Radial Rear-set ER25A LH H100	Left	ER25A	1:1	6000		X	28.5		73.5
SAU0141225	Radial Rear-set ER25 LH H100 Coolant Thru*	Left	ER25	1:1	6000	X	X	42.16		83.5
SAU0141425	Radial Rear-set ER25A LH H100 Coolant Thru*	Left	ER25A	1:1	6000	X	X	28.5		83.5
SAU0141516	Radial Rear-set Weldon 16 LH H100	Left	Weldon 16	1:1	6000		X		27.5	73.5
SAU0142120	Radial Rear-set ER20 Univ. H100	Universal	ER20	1:1	6000		X	41.16		73.5
SAU0142125	Radial Rear-set ER25 Univ. H100	Universal	ER25	1:1	6000		X	42.16		73.5
SAU0142325	Radial Rear-set ER25A Univ. H100	Universal	ER25A	1:1	6000		X	28.5		73.5
SAU0142225	Radial Rear-set ER25 Univ. H100 Coolant Thru*	Universal	ER25	1:1	6000	X	X	42.16		83.5
SAU0142425	Radial Rear-set ER25A Univ. H100 Coolant Thru*	Universal	ER25A	1:1	6000	X	X	28.5		83.5
SAU0142516	Radial Rear-set Weldon 16 Univ. H100	Universal	Weldon 16	1:1	6000		X		27.5	73.5

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VDI30 DIN 5480

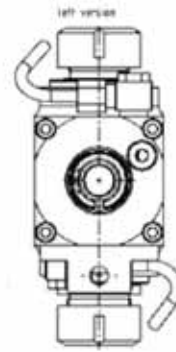
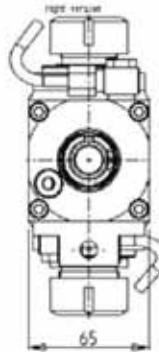
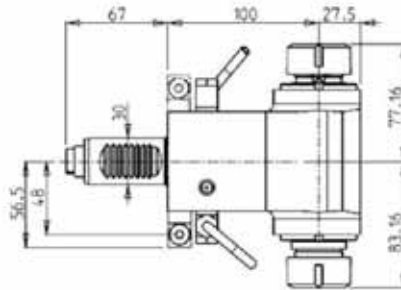
DRIVEN

OPPOSITE FACE RADIAL DRIVEN TOOL VDI30 DIN 5480 H-85



PartNumber	Description	Orient.	Spindle	I	RPM	Ext Coolant
SAU0110225	Opposite Face ER25/ER25 RH H85	Right	ER25+ER25	1:1	6000	X
SAU0111225	Opposite Face ER25/ER25 LH H85	Left	ER25+ER25	1:1	6000	X

OPPOSITE FACE RADIAL TWIN DRIVEN TOOL VDI30 DIN 5480 H-100

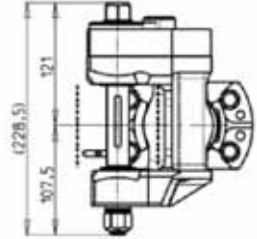
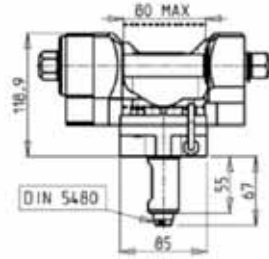
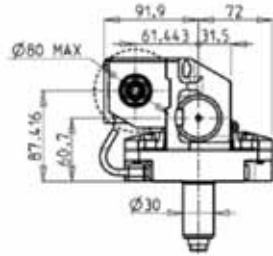


PartNumber	Description	Spindle	I	RPM	Ext Coolant
SAU0360225	Opposite Face Radial Twin RH Driven H=100	ER25-ER25	1:1	6000	X
SAU0361225	Opposite Face Radial Twin LH Driven H=100	ER25-ER25	1:1	6000	X

VDI30 DIN 5480

DRIVEN

GEAR HOBBER VDI30 DIN 5480



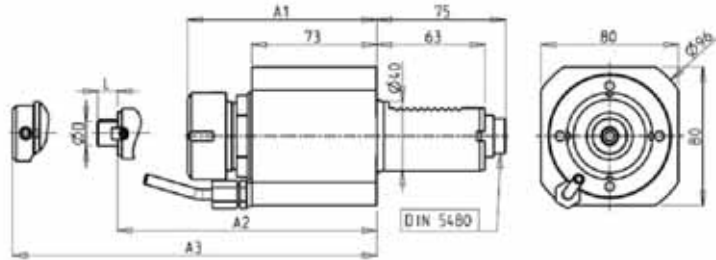
PartNumber	Description	I	RPM	Ext Coolant	D mm	D Inch
SAU0021100	Gear Hobber	1:1	6000	X	16-22-27-32	3/4"-1"-1 1/4"
SAU0022100	Gear Hobber 2:1	2:1	3000	X	16-22-27-32	3/4"-1"-1 1/4"

Note : Wrenches are provided with the purchase of Specialty Toolholders

VDI40 DIN 5480

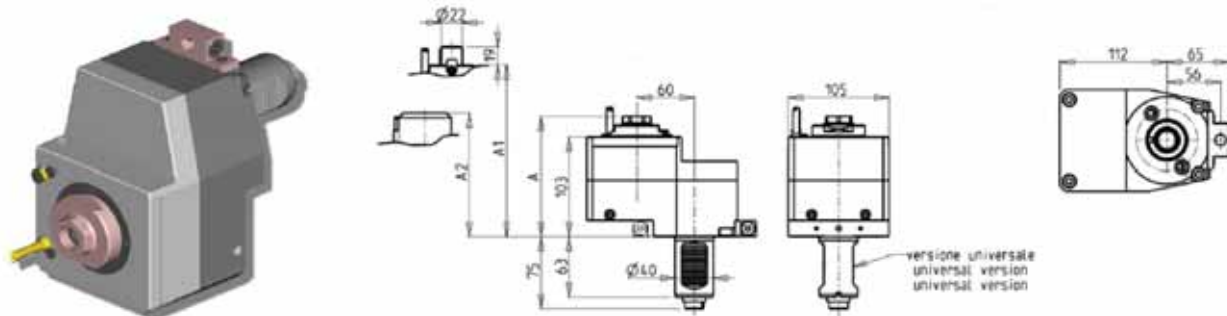
DRIVEN

AXIAL DRIVEN TOOL VDI40 DIN 5480

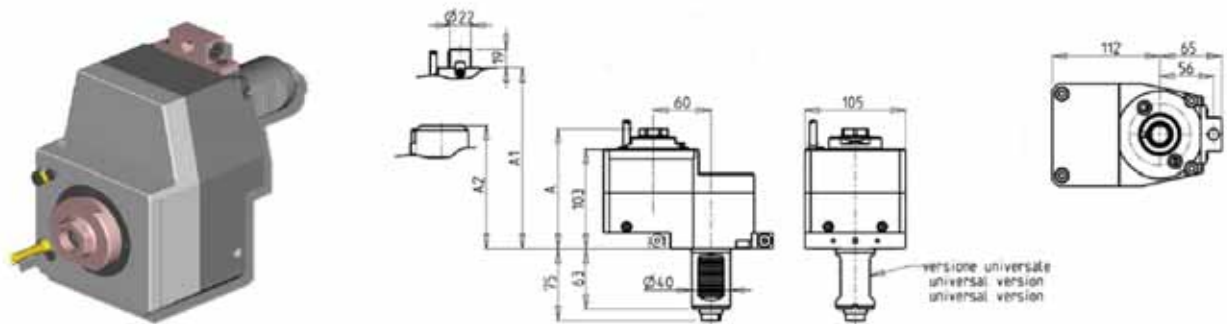


PartNumber	Description	Spindle	I	RPM	Coolant Thru	Ext Coolant	A1	A2	A3	D	L
SAU0240125	Axial ER25	ER25	1:1	4000		X	107.46				
SAU0241125	Axial ER25 Coolant Thru*	ER25	1:1	4000	X	X	107.46				
212SAU_A32_40D00	Axial ER32 VDI40 DIN5480	ER32	1:1	4000		X	110.46				
212SAU_A32_40D10	Axial ER32 VDI40 DIN5480 Coolant Thru*	ER32	1:1	4000	X	X	110.46				
SAU0240422	Mill Head D=22, L=19	22x19	1:1	4000		X		96.8		22	19
SAU0240320	Axial Weldon 20	Weldon 20	1:1	4000		X			106.3		
SAU0241320	Axial Weldon 20 Coolant Thru*	Weldon 20	1:1	4000	X	X			106.3		
SAU0240525	Axial Weldon 25	Weldon 25	1:1	4000		X			106.3		
SAU0241525	Axial Weldon 25 Coolant Thru*	Weldon 25	1:1	4000	X	X			106.3		

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

VDI40 DIN 5480**DRIVEN****AXIAL GEARED DOWN I=2:1 REDIRECTED DRIVEN TOOL VDI40 DIN 5480**

PartNumber	Description	Orient.	Spindle	I	RPM	Ext Coolant	Reversible	A	A1	A2
SAU0120125	Axial Geared Down 2:1 Redirected ER25	Universal	ER25	2:1	3000	X	X	124.33		
SAU0120232	Axial Geared Down 2:1 Redirected ER32	Universal	ER32	2:1	3000	X	X	131.53		
SAU0120140	Axial Geared Down 2:1 Redirected ER40	Universal	ER40	2:1	2000	X	X	143.66		
SAU0120322	Axial Geared Down 2:1 Redirected Mill Head D22, L19	Universal	22x19	2:1	3000	X	X		116	
SAU0120425	Axial Geared Down 2:1 Redirected Weldon 25	Universal	Weldon 25	2:1	3000	X	X			137

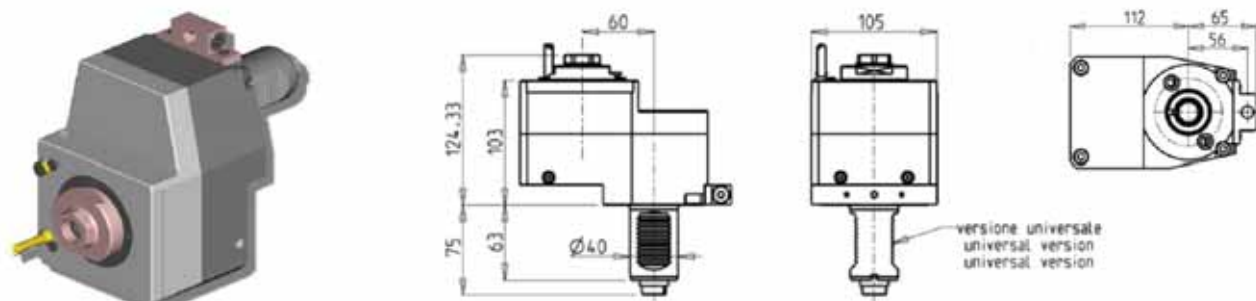
AXIAL GEARED DOWN I=3:1 REDIRECTED DRIVEN TOOL VDI40 DIN 5480

PartNumber	Description	Orient.	Spindle	I	RPM	Ext Coolant	Reversible	A	A1	A2
SAU0121125	Axial Geared Down 3:1 Redirected ER25	Universal	ER25	3:1	3000	X	X	124.33		
SAU0121232	Axial Geared Down 3:1 Redirected ER32	Universal	ER32	3:1	3000	X	X	131.53		
SAU0121140	Axial Geared Down 3:1 Redirected ER32	Universal	ER40	3:1	1300	X	X	143.66		
SAU0121322	Axial Geared Down 3:1 Redirected Mill Head D22, L19	Universal	22x19	3:1	3000	X	X		116	
SAU0121425	Axial Geared Down 3:1 Redirected Weldon 25	Universal	Weldon 25	3:1	3000	X	X			137

VDI40 DIN 5480

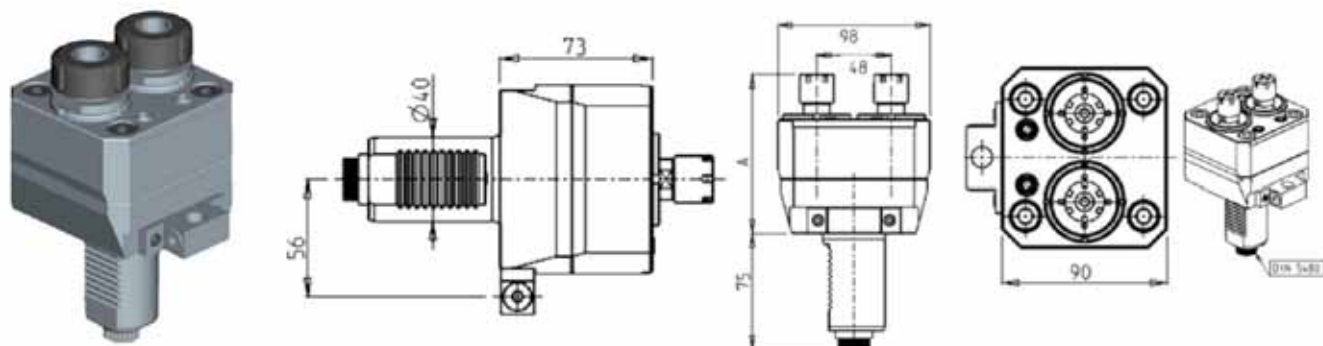
DRIVEN

AXIAL GEARED UP 1=1:2 REDIRECTED DRIVEN TOOL VDI40 DIN 5480



PartNumber	Description	Orient.	Spindle	I	RPM	Ext Coolant	Reversible
SAU0120525	Axial Geared Up 1:2 Redirected ER25A	Universal	ER25A	1:2	12000	X	X

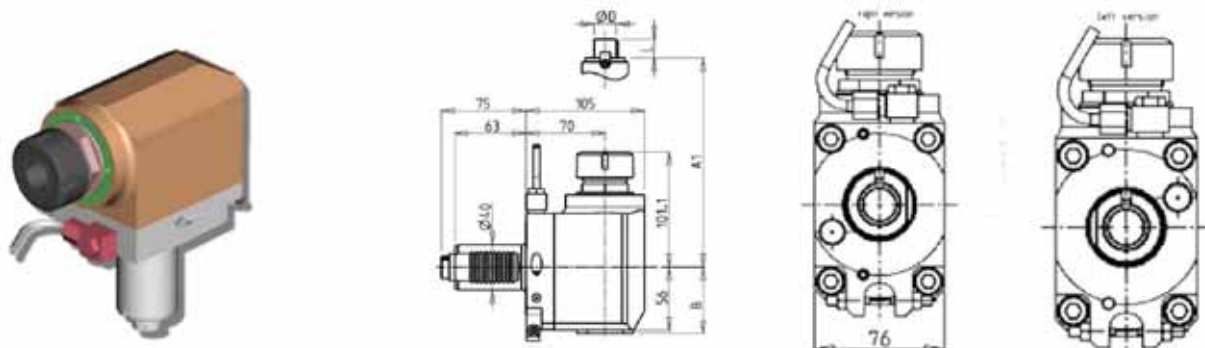
RADIAL SINGLE SIDE TWIN HEAD DRIVEN TOOL IN Y VDI40 DIN5480



PartNumber	Description	Spindle	I	RPM	Ext. Coolant	A
SAU0450216	Radial RH Single Side Twin Head ER16	ER16	1:1	6000	X	102
SAU0450225	Radial RH Single Side Twin Head ER25	ER25	1:1	6000	X	102.96
SAU0451216	Radial LH Single Side Twin Head ER16	ER16	1:1	6000	X	102
SAU0451225	Radial LH Single Side Twin Head ER25	ER25	1:1	6000	X	102.96

DRIVEN

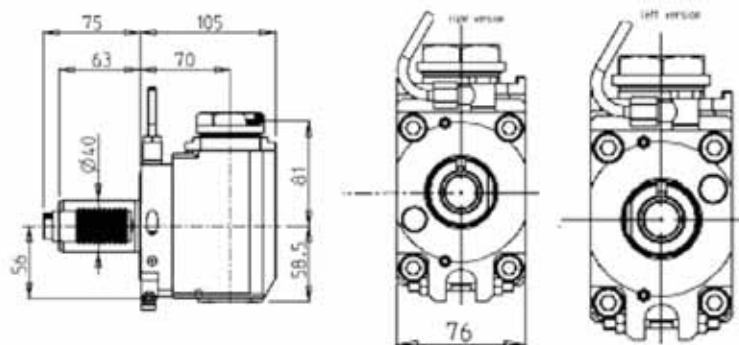
RADIAL DRIVEN TOOL VDI40 DIN 5480 H-70



PartNumber	Description	Orient.	Spindle	I	RPM	Coolant Thru	Ext Coolant	A1	B
215SAU_R32_40D00	Radial RH H70 ER32	Right	ER32	1:1	6000		X		58.5
215SAU_R32_40D10	Radial RH H70 ER32 Coolant Thru*	Right	ER32	1:1	6000	X	X		82
215SAU_R22_40D00	Radial RH H70 Mill Head D=22, L=19	Right	22x19	1:1	6000		X	78.5	58.5
215SAU_R27_40D00	Radial RH H70 Mill Head D=27, L=21	Right	27x21	1:1	6000		X	78.5	58.5
215SAU_R32_40D20	Radial LH H70 ER32	Left	ER32	1:1	6000		X		58.5
215SAU_R32_40D30	Radial LH H70 ER32 Coolant Thru*	Left	ER32	1:1	6000	X	X		82
215SAU_R22_40D10	Radial LH H70 Mill Head D=22, L=19	Left	22x19	1:1	6000		X	78.5	58.5
215SAU_R27_40D10	Radial LH H70 Mill Head D=27, L=21	Left	27x21	1:1	6000		X	78.5	58.5

* Coolant Thru tools are designed for 1000 psi. They require 5 Micron Filtration and **CANNOT** be run dry.

RADIAL MTSK DRIVEN TOOL VDI40 DIN 5480 H-70

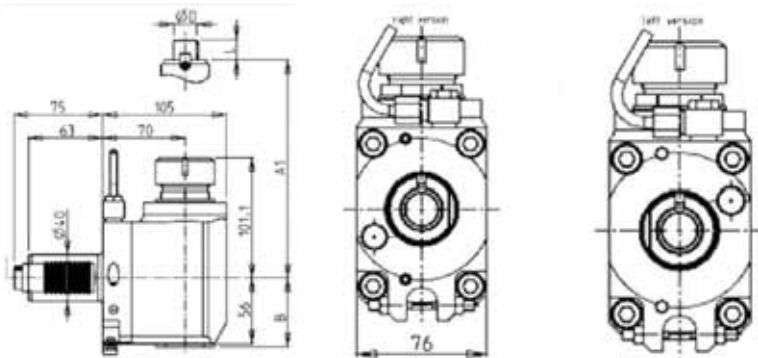


PartNumber	Description	Spindle	I	RPM	Ext Coolant
SAU0410140	Radial RH MTSK40 H=70	MTSK-40	1:1	6000	X
SAU0411140	Radial LH MTSK40 H=70	MTSK-40	1:1	6000	X

VDI40 DIN 5480

DRIVEN

RADIAL DRIVEN TOOL VDI40 DIN 5480 H-100

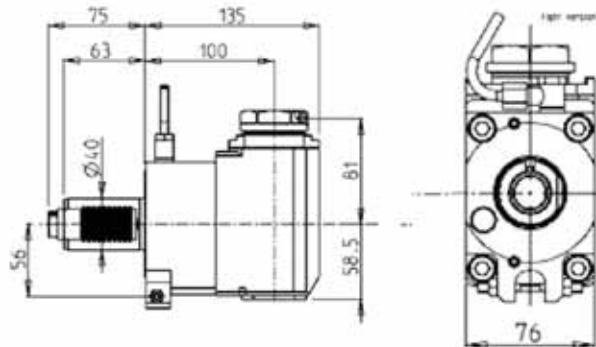


PartNumber	Description	Orient.	Spindle	I	RPM	Coolant Thru	Ext Coolant	A1	B
213SAU_R32_40D00	Radial RH H100 ER32	Right	ER32	1:1	4000		X		58.5
213SAU_R32_40D10	Radial RH H100 ER32 Coolant Thru*	Right	ER32	1:1	4000	X	X		82
213SAU_R22_40D00	Radial RH H100 Mill Head D=22, L=19	Right	22x19	1:1	4000		X	78.5	58.5
213SAU_R27_40D00	Radial RH H100 Mill Head D=27, L=21	Right	27x21	1:1	4000		X	78.5	58.5

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

RADIAL MTSK DRIVEN TOOL VDI40 DIN 5480 H-100

See **ACCESSORIES** for MTSK Clamping Units

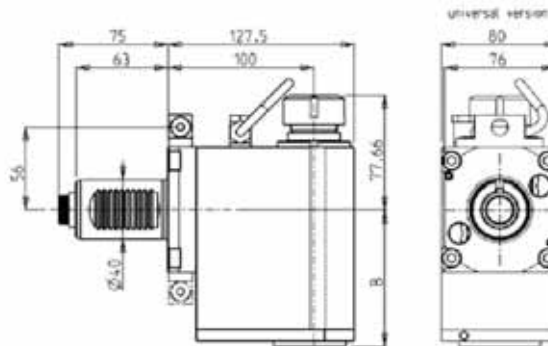


PartNumber	Description	Spindle	I	RPM	Ext. Coolant
SAU0420140	Radial RH MTSK40 H=100	MTSK-40	1:1	6000	X

VDI40 DIN 5480

DRIVEN

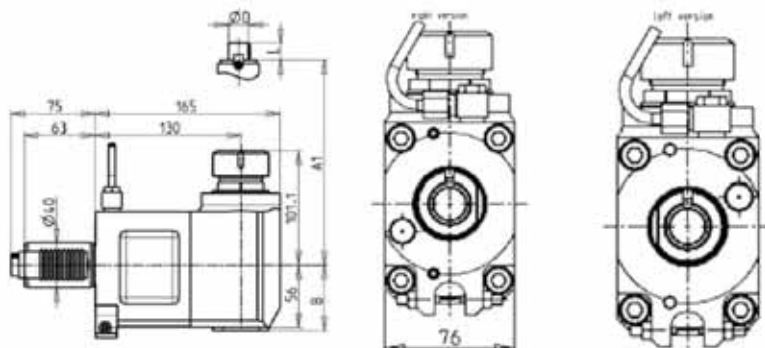
RADIAL GEARED UP 1:3 DRIVEN TOOL VDI40 DIN 5480



PartNumber	Description	Spindle	RPM	Coolant Thru	Ext. Coolant	B
SAU0310125	Radial Geared-Up 1:3 ER25	ER25	12000		X	93.5
SAU0310225	Radial Geared-Up 1:3 ER25 Coolant Thru*	ER25	12000	X	X	101.5

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

RADIAL DRIVEN TOOL VDI40 DIN 5480 H-130



PartNumber	Description	Orient.	Spindle	I	RPM	Coolant Thru	Ext. Coolant	A1	B
213SAU_R32_40D20	Radial RH H130 ER32	Right	ER32	1:1	6000		X	58.5	
213SAU_R32_40D40	Radial RH H130 ER32 Coolant Thru*	Right	ER32	1:1	6000	X	X	82	
213SAU_R22_40D20	Radial RH H130 Mill Head D=22, L=19	Right	22x19	1:1	6000		X	78.5	58.5
213SAU_R27_40D20	Radial RH H130 Mill Head D=27, L=21	Right	27x21	1:1	6000		X	78.5	58.5
213SAU_R32_40D30	Radial LH H130 ER32	Left	ER32	1:1	6000		X	58.5	
213SAU_R32_40D50	Radial LH H130 ER32 Coolant Thru*	Left	ER32	1:1	6000	X	X	82	
213SAU_R22_40D30	Radial LH H130 Mill Head D=22, L=19	Left	22x19	1:1	6000		X	78.5	58.5
213SAU_R27_40D30	Radial LH H130 Mill Head D=27, L=21	Left	27x21	1:1	6000		X	78.5	58.5

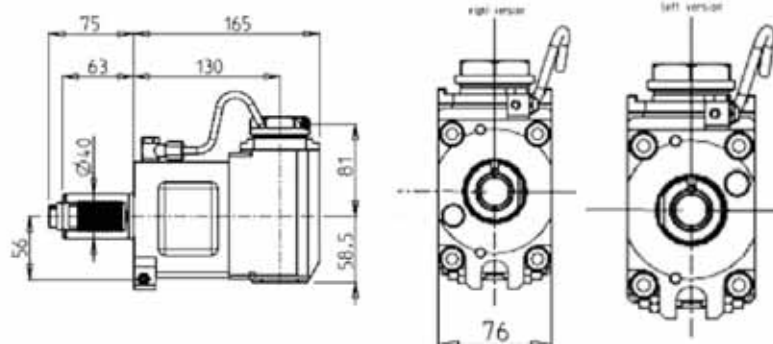
* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

VDI40 DIN 5480

DRIVEN

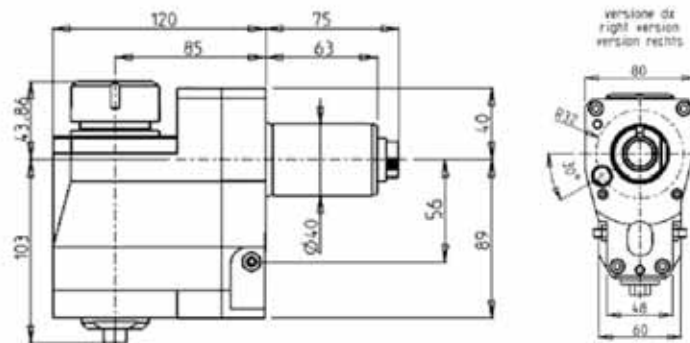
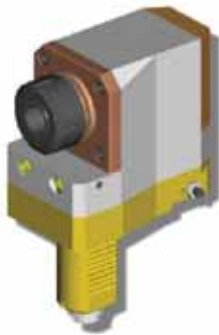
RADIAL MTSK DRIVEN TOOL VDI40 DIN 5480 H-130

See **ACCESSORIES** for **MTSK Clamping Units**



PartNumber	Description	Spindle	I	RPM	Ext. Coolant
SAU0430140	Radial RH MTSK40 H=130	MTSK-40	1:1	6000	X
SAU0431140	Radial LH MTSK40 H=130	MTSK-40	1:1	6000	X

RADIAL REAR SET DRIVEN TOOL VDI40 DIN 5480 H-85

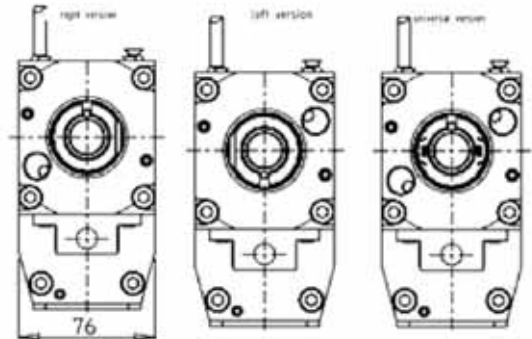
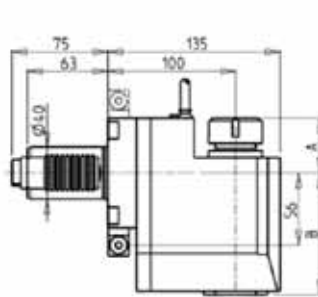


PartNumber	Description	Orient.	Spindle	I	RPM	Ext Coolant
SAU0060132	RadialRear Set H85 ER32	Right	ER32	1:1	6000	X

VDI40 DIN 5480

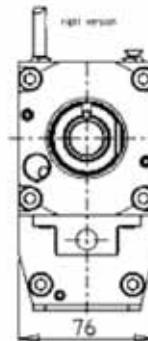
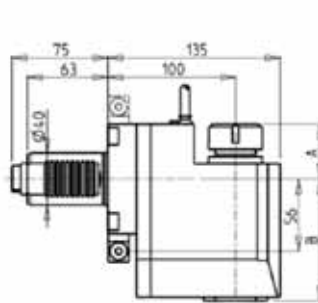
DRIVEN

RADIAL REAR-SET DRIVEN TOOL VDI40 DIN 5480 H-100



PartNumber	Description	Orient.	Spindle	I	RPM	Coolant Thru	Ext Coolant	A1	B
SAU0150125	Radial Rear-set ER25 RH H100	Right	ER25	1:1	6000		X	42.66	95
SAU0150225	Radial Rear-set ER25 RH H100 Coolant Thru*	Right	ER25	1:1	6000	X	X	42.66	108.5
SAU0150132	Radial Rear-set ER32 RH H100	Right	ER32	1:1	6000		X	45.66	95
SAU0150232	Radial Rear-set ER32 RH H100 Coolant Thru*	Right	ER32	1:1	6000	X	X	45.66	108.5
SAU0151125	Radial Rear-set ER25 LH H100	Left	ER25	1:1	6000		X	42.66	95
SAU0151225	Radial Rear-set ER25 LH H100 Coolant Thru*	Left	ER25	1:1	6000	X	X	42.66	108.5
SAU0151132	Radial Rear-set ER32 LH H100	Left	ER32	1:1	6000		X	45.66	95
SAU0151232	Radial Rear-set ER32 LH H100 Coolant Thru*	Left	ER32	1:1	6000	X	X	45.66	108.5
SAU0152125	Radial Rear-set ER25 Univ. H100	Universal	ER25	1:1	6000		X	42.66	95
SAU0152225	Radial Rear-set ER25 Univ. H100 Coolant Thru*	Universal	ER25	1:1	6000	X	X	42.66	108.5
SAU0152132	Radial Rear-set ER32 Univ. H100	Universal	ER32	1:1	6000		X	45.66	95
SAU0152232	Radial Rear-set ER32 Univ. H100 Coolant Thru*	Universal	ER32	1:1	6000	X	X	45.66	108.5

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

VDI40 DIN 5480**DRIVEN****RADIAL GEARED DOWN 2:1 REAR-SET DRIVEN TOOL VDI40 DIN 5480 H-100**

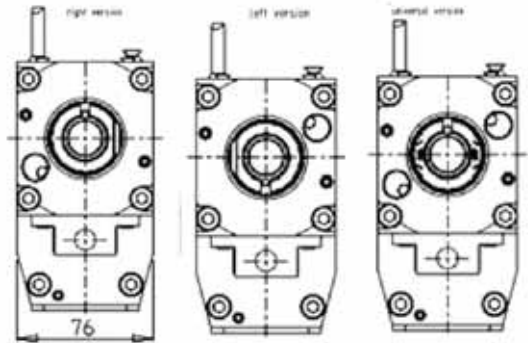
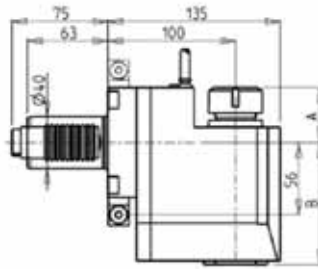
PartNumber	Description	Orient.	Spindle	I	RPM	Coolant Thru	Ext Coolant	A1	B
SAU0150325	Radial Rear-set Geared Down 2:1 ER25 RH H100	Right	ER25	2:1	3000		X	42.66	95
SAU0150425	Radial Rear-set Geared Down 2:1 ER25 RH H100 Coolant Thru*	Right	ER25	2:1	3000	X	X	42.66	108.5
SAU0150332	Radial Rear-set Geared Down 2:1 ER32 RH H100	Right	ER32	2:1	3000		X	45.66	95
SAU0150432	Radial Rear-set Geared Down 2:1 ER32 RH H100 Coolant Thru*	Right	ER32	2:1	3000	X	X	45.66	108.5
SAU0151325	Radial Rear-set Geared Down 2:1 ER25 LH H100	Left	ER25	2:1	3000		X	42.66	95
SAU0151425	Radial Rear-set Geared Down 2:1 ER25 LH H100 Coolant Thru*	Left	ER25	2:1	3000	X	X	42.66	108.5
SAU0151332	Radial Rear-set Geared Down 2:1 ER32 LH H100	Left	ER32	2:1	3000		X	45.66	95
SAU0151432	Radial Rear-set Geared Down 2:1 ER32 LH H100 Coolant Thru*	Left	ER32	2:1	3000	X	X	45.66	108.5
SAU0152325	Radial Rear-set Geared Down 2:1 ER25 Univ. H100	Universal	ER25	2:1	3000		X	42.66	95
SAU0152425	Radial Rear-set Geared Down 2:1 ER25 Univ. H100 Coolant Thru*	Universal	ER25	2:1	3000	X	X	42.66	108.5
SAU0152332	Radial Rear-set Geared Down 2:1 ER32 Univ. H100	Universal	ER32	2:1	3000		X	45.66	95
SAU0152432	Radial Rear-set Geared Down 2:1 ER32 Univ. H100 Coolant Thru*	Universal	ER32	2:1	3000	X	X	45.66	108.5

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

VDI40 DIN 5480

DRIVEN

RADIAL GEARED UP 1:2 REAR-SET DRIVEN TOOL VDI40 DIN 5480 H-100



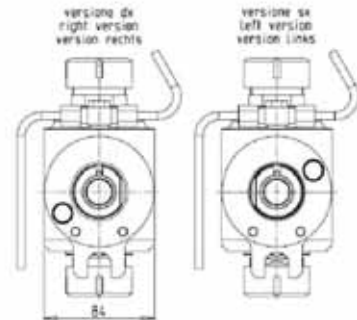
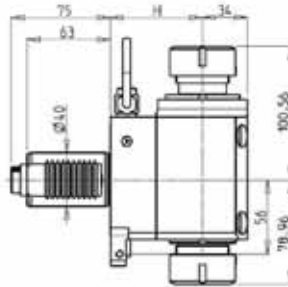
PartNumber	Description	Orient.	Spindle	I	RPM	Coolant Thru	Ext Coolant	A1	B
SAU0150525	Radial Rear-set Geared Up 1:2 ER25 RH H100	Right	ER25	1:2	12000		X	42.66	95
SAU0150625	Radial Rear-set Geared Up 1:2 ER25 RH H100 Coolant Thru*	Right	ER25	1:2	12000	X	X	42.66	108.5
SAU0150532	Radial Rear-set Geared Up 1:2 ER32 RH H100	Right	ER32	1:2	12000		X	45.66	95
SAU0150632	Radial Rear-set Geared Up 1:2 ER32 RH H100 Coolant Thru*	Right	ER32	1:2	12000	X	X	45.66	108.5
SAU0151525	Radial Rear-set Geared Up 1:2 ER25 LH H100	Left	ER25	1:2	12000		X	42.66	95
SAU0151625	Radial Rear-set Geared Up 1:2 ER25 LH H100 Coolant Thru*	Left	ER25	1:2	12000	X	X	42.66	108.5
SAU0151532	Radial Rear-set Geared Up 1:2 ER32 LH H100	Left	ER32	1:2	12000		X	45.66	95
SAU0151632	Radial Rear-set Geared Up 1:2 ER32 LH H100 Coolant Thru*	Left	ER32	1:2	12000	X	X	45.66	108.5
SAU0152525	Radial Rear-set Geared Up 1:2 ER25 Univ. H100	Universal	ER25	1:2	12000		X	42.66	95
SAU0152625	Radial Rear-set Geared Up 1:2 ER25 Univ. H100 Coolant Thru*	Universal	ER25	1:2	12000	X	X	42.66	108.5
SAU0152532	Radial Rear-set Geared Up 1:2 ER32 Univ. H100	Universal	ER32	1:2	12000		X	45.66	95
SAU0152632	Radial Rear-set Geared Up 1:2 ER32 Univ. H100 Coolant Thru*	Universal	ER32	1:2	12000	X	X	45.66	108.5

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

VDI40 DIN 5480

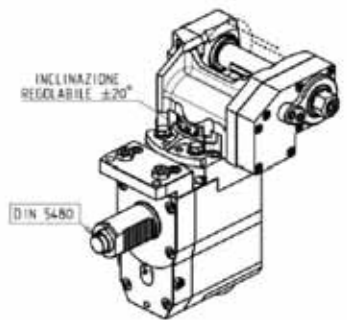
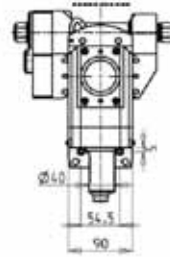
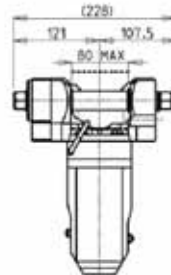
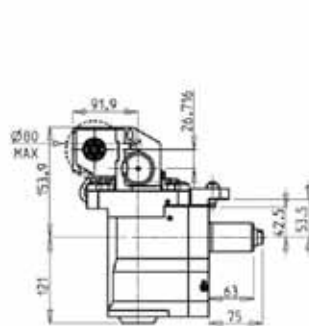
DRIVEN

OPPOSITE FACE RADIAL DRIVEN TOOL VDI40 DIN 5480



PartNumber	Description	Orient.	Spindle	I	RPM	Ext Coolant	H
216SAU_A32_40D00	Opposite Face ER32+ER32 RH H70	Right	ER32+ER32	1:1	6000	X	70
216SAU_A32_40D10	Opposite Face ER32+ER32 LH H70	Left	ER32+ER32	1:1	6000	X	70
SAU0030232	Opposite Face ER32+ER32 RH H100	Right	ER32+ER32	1:1	6000	X	100

GEAR HOBBER OFF-SET VDI40 DIN 5480



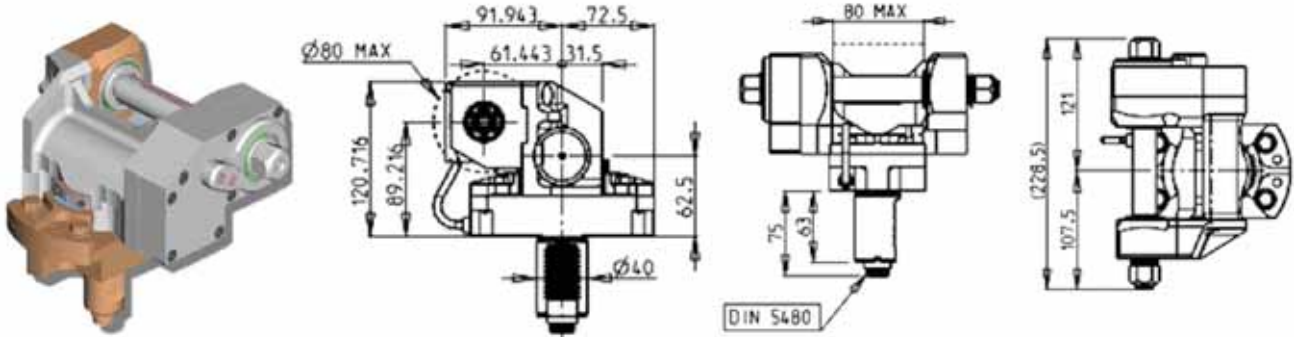
PartNumber	Description	Orient.	I	RPM	Ext Coolant	D mm	D Inch
SAU0011140	Gear Hobber Off-Set 1:1	Right	1:1	4000	X	16-22-27-32	3/4"-1" - 1 1/4"
SAU0012140	Gear Hobber Off-Set 2:1	Right	2:1	2000	X	16-22-27-32	3/4"-1" - 1 1/4"

Note : Wrenches are provided with the purchase of Specialty Toolholders

VDI40 DIN 5480

DRIVEN

GEAR HOBBER VDI40 DIN 5480



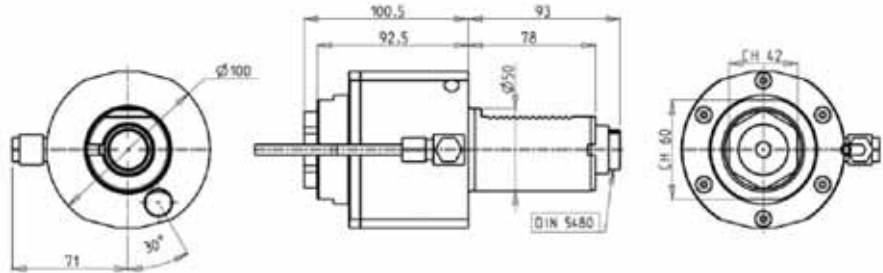
PartNumber	Description	I	RPM	Ext. Coolant	D (mm)	D (Inch)
SAU0051100	Gear Hobber RH	1:1	6000	X	16-22-27-32	3/4"-1"-1 1/4"
SAU0051110	Gear Hobber LH	1:1	6000	X	16-22-27-32	3/4"-1"-1 1/4"
SAU0052100	Gear Hobber RH 2:1	1:1	3000	X	16-22-27-32	3/4"-1"-1 1/4"
SAU0052110	Gear Hobber LH 2:1	1:1	3000	X	16-22-27-32	3/4"-1"-1 1/4"

Note : Wrenches are provided with the purchase of Specialty Toolholders

VDI50 DIN 5480

DRIVEN

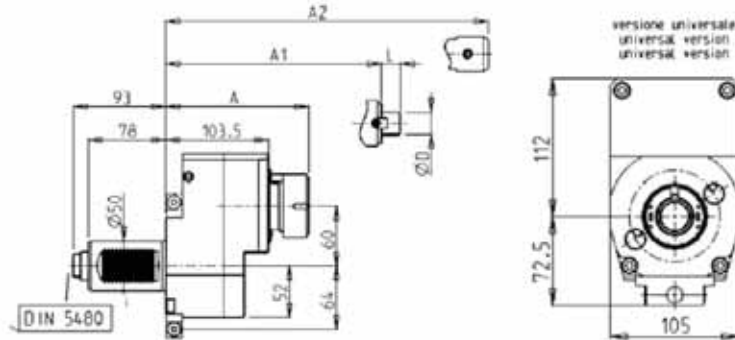
AXIAL DRIVEN TOOL VDI50 DIN 5480



PartNumber	Description	Spindle	I	RPM	Coolant Thru	Ext Coolant
SAU0040140	Axial ER40A VDI50 DIN5480	ER40A	1:1	4000		X
SAU0040240	Axial ER40A VDI50 DIN5480 Coolant Thru*	ER40A	1:1	4000	X	X

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

AXIAL REDIRECTED DRIVEN TOOL VDI50 DIN 5480

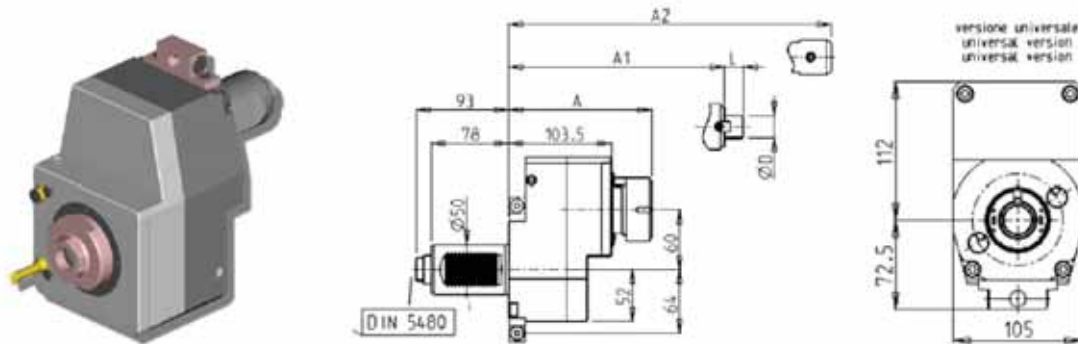


PartNumber	Description	Spindle	Reversible	I	RPM	Ext Coolant	A	A1	A2	D	L
SAU0281125	Axial Redirected ER25	ER25	X	1:1	3500	X	144.16				
SAU0281132	Axial Redirected ER32	ER32	X	1:1	3500	X	115.8				
SAU0280140	Axial Redirected ER40	ER40	X	1:1	3500	X	122.5				
SAU0282122	Axial Redirected 22x19 Mill Head	22x19	X	1:1	3500	X		116.5		22	19
SAU0283125	Axial Redirected Weldon 25	Weldon 25	X	1:1	3500	X			137.5		

VDI50 DIN 5480

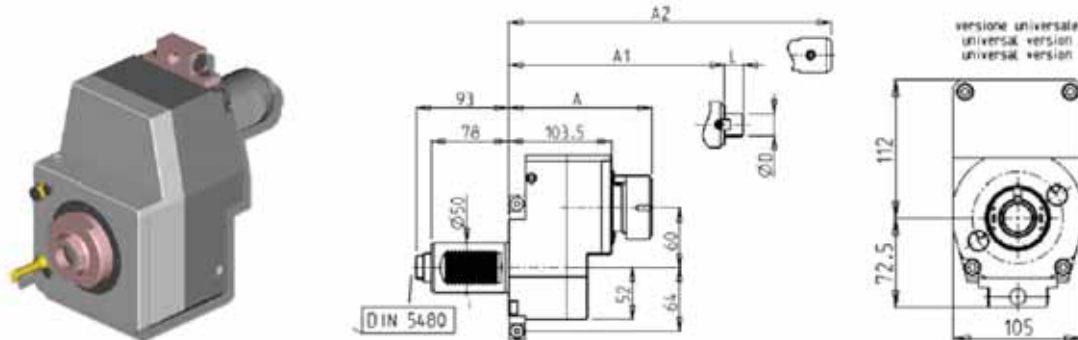
DRIVEN

AXIAL GEARED DOWN 2:1 REDIRECTED DRIVEN TOOL VDI50 DIN 5480



PartNumber	Description	Spindle	Reversible	I	RPM	Ext. Coolant	A	A1	A2	D	L
SAU0281225	Axial Geared-Down 2:1 Re-Directed ERA25	ERA25	X	2:1	1750	X	144.16				
SAU0281232	Axial Geared-Down 2:1 Re-Directed ER32	ER32	X	2:1	1750	X	115.8				
SAU0280240	Axial Geared-Down 2:1 Re-Directed ER40	ER40	X	2:1	1750	X	122.5				
SAU0282222	Axial Geared-Down Re-Directed Mill Head 22x19	22x19	X	2:1	1750	X		116.5		22	19
SAU0283225	Axial Geared-Down 2:1 Re-Directed Weldon 25	Weldon 25	X	2:1	1750	X			137.5		

AXIAL GEARED UP 1:2 REDIRECTED DRIVEN TOOL VDI50 DIN 5480

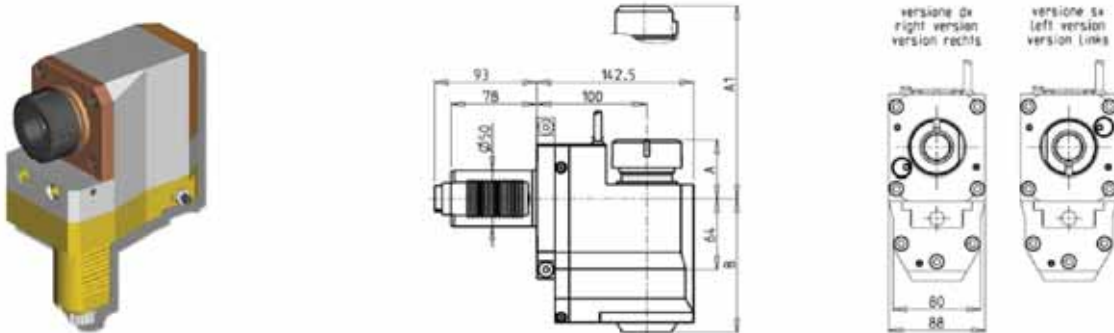


PartNumber	Description	Spindle	Reversible	I	RPM	Ext. Coolant	A	A1	A2	D	L
SAU0281325	Axial Geared Up 1:2 ER25	ER25	X	1:2	7000	X	144.16				
SAU0281332	Axial Geared Up Re-Directed 1:2 ER32	ER32	X	1:2	7000	X	115.8				
SAU0280340	Axial Geared Up Re-Directed 1:2 ER40	ER40	X	1:2	7000	X	122.5				
SAU0282322	Axial Geared Up Re-Directed 1:2 Mill Head 22x19	22x19	X	1:2	7000	X		116.5		22	19
SAU0283325	Axial Geared Up Re-Directed 1:2 Weldon 25	Weldon 25	X	1:2	7000	X			137.5		

VDI50 DIN 5480

DRIVEN

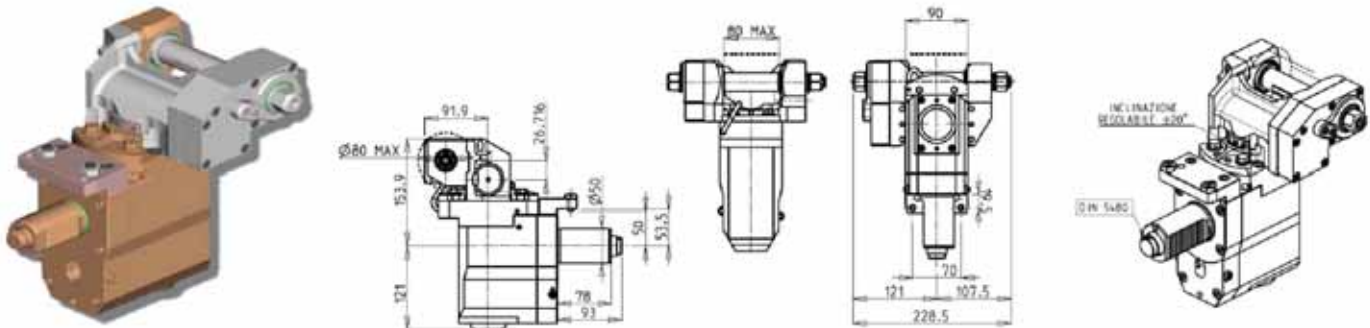
RADIAL REAR-SET DRIVEN TOOL VDI50 DIN 5480 H-100



PartNumber	Description	Orient.	Spindle	I	RPM	Ext Cool	Cool Thru	A	A1	B
SAU0270140	Radial Rear-set ER40 RH H100	Right	ER40	1:1	3500	X		52.66		121
SAU0270240	Radial Rear-set ER40 RH H100 Coolant Thru*	Right	ER40	1:1	3500	X	X	52.66		135
SAU0270325	Radial Rear-set Weldon 25 RH H100	Right	Weldon 25	1:1	3500	X			42.5	121
SAU0271140	Radial Rear-set ER40 LH H100	Left	ER40	1:1	3500	X		52.66		121
SAU0271240	Radial Rear-set ER40 LH H100 Coolant Thru*	Left	ER40	1:1	3500	X	X	52.66		135
SAU0271325	Radial Rear-set Weldon 25 LH H100	Left	Weldon 25	1:1	3500	X			42.5	121

* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

GEAR HOBBER VDI50 DIN 5480



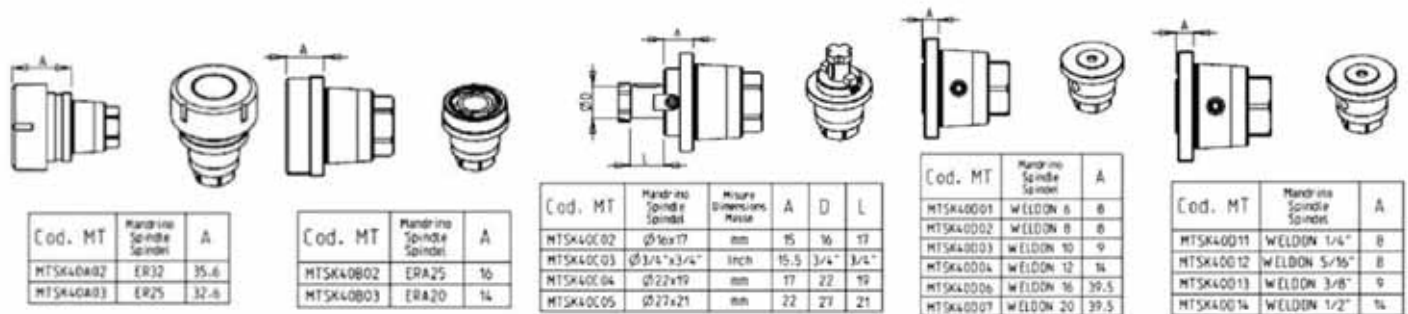
PartNumber	Description	Orient.	I	RPM	Ext Coolant	D mm	D Inch
SAU0011150	Gear Hobber 1:1	Right	1:1	4000	X	16-22-27-32	3/4"-1" - 1 1/4"
SAU0012150	Gear Hobber 2:1	Right	2:1	2000	X	16-22-27-32	3/4"-1" - 1 1/4"

Note : Wrenches are provided with the purchase of Specialty Toolholders

ACCESSORIES

DRIVEN

MTSK-40 QUICK CHANGE TOOLHOLDER CLAMP CHART



PartNumber	Description	Spindle	Dimensions	A	D	L
MTSK40A02	MTSK-40 ER32	ER32		35.6		
MTSK40A03	MTSK-40 ER25	ER25		32.6		
MTSK40B02	MTSK-40 ERA25	ERA25		16		
MTSK40B03	MTSK-40 ERA20	ERA20		14		
MTSK40C03	MTSK-40 3/4"x3/4"	3/4"x3/4"	Inch	15.5	3/4"	3/4"
MTSK40C02	MTSK-40 16x17	16x17	mm	15	16	17
MTSK40C04	MTSK-40 22x19	22x19	mm	17	22	19
MTSK40C05	MTSK-40 27x21	27x21	mm	22	27	21
MTSK40D01	MTSK-40 Weldon 6	Weldon 6		8		
MTSK40D02	MTSK-40 Weldon 8	Weldon 8		8		
MTSK40D03	MTSK-40 Weldon 10	Weldon 10		9		
MTSK40D04	MTSK-40 Weldon 12	Weldon 12		14		
MTSK40D06	MTSK-40 Weldon 16	Weldon 12		39.5		
MTSK40D07	MTSK-40 Weldon 20	Weldon 20		39.5		
MTSK40D11	MTSK-40 Weldon 1/4"	Weldon 1/4"		8		
MTSK40D12	MTSK-40 Weldon 5/16"	Weldon 5/16"		8		
MTSK40D13	MTSK-40 Weldon 3/8"	Weldon 3/8"		9		
MTSK40D14	MTSK-40 Weldon 1/2"	Weldon 1/2"		14		