

DRIVEN TOOLING

For

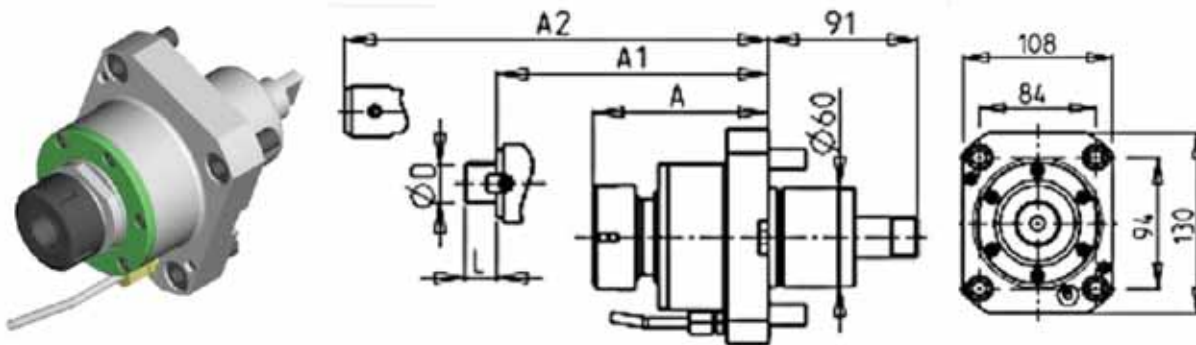
Mori-Seiki

NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

RADIAL DRIVEN TOOL

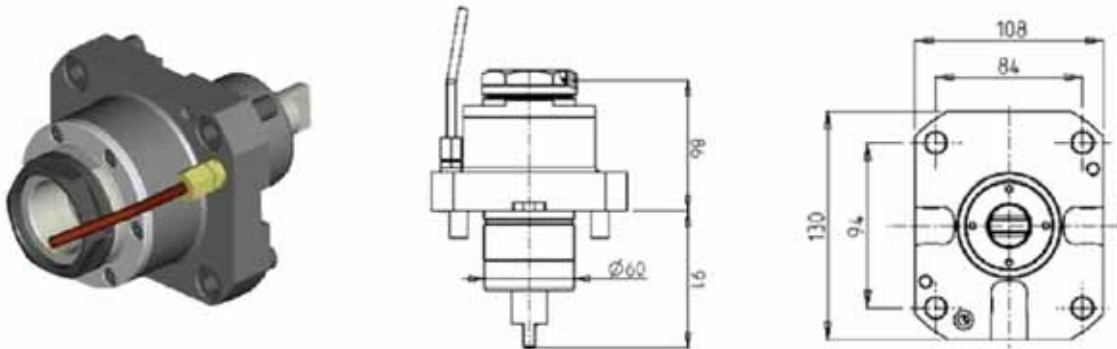


PartNumber	Description	Mori Ref	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1	A2	D	L
MNL0020532	Radial ER32 Standard	T32206	ER32	1:1	6000		X	104.16				12
MNL0020140	Radial ER40 Standard	T32213	ER40	1:1	6000		X	106.66				12
MNL0020632	Radial ER32 Extended Reach		ER32	1:1	6000		X	144.16				22
MNL0020732	Radial ER32 A=107.66 Cool Thru*		ER32	1:1	6000	X		107.66				12
MNL0021617	Radial Mill Head D=16mm, L=17mm		16x17	1:1	6000		X		116		16	17
MNL0022219	Radial Mill Head D=22mm, L=19mm		22x19	1:1	6000		X		106		22	19
MNL0022721	Radial Mill Head D=27mm, L=21mm		27x21	1:1	6000		X		81.5		27	21
MNL0022519	Radial Mill Head D=1.0", L=19mm		1"x19	1:1	6000		X		81.5		1"	19
MNL0022132	Radial ER32 Short		ER32 Short	1:1	6000		X	75.76				
MNL0022140	Radial ER40 Short		ER40 Short	1:1	6000		X	89.66				
MNL0020120	Radial Weldon 20		Weldon 20	1:1	6000		X			99.5		
MNL0020125	Radial Weldon 25		Weldon 25	1:1	6000		X			109		
MNL0020132	Radial Weldon 32		Weldon 32	1:1	6000		X			125.5		

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

RADIAL MTSK DRIVEN TOOL

Please see Accessories for MTSK Clamping Units

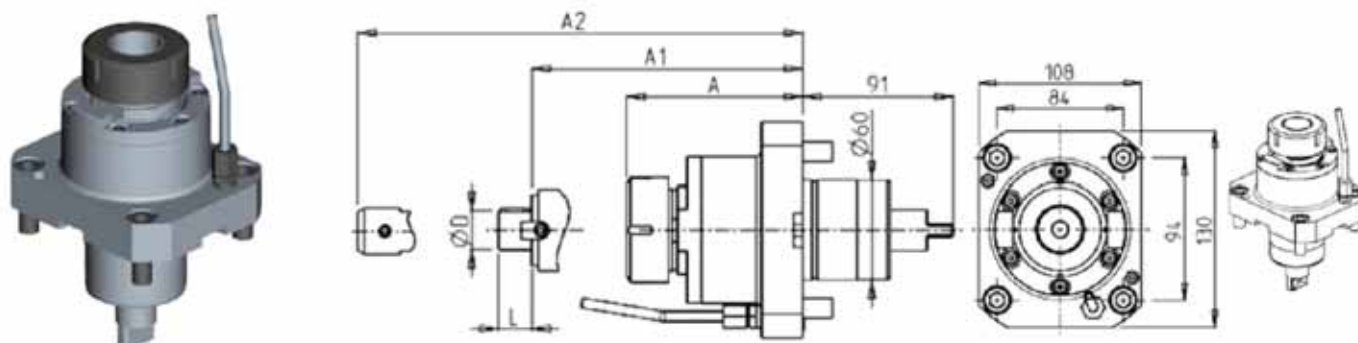


PartNumber	Description	Spindle	I	RPM	Ext Cool
MNL0590150	Radial MTSK-50	MTSK-50	1:1	6000	X

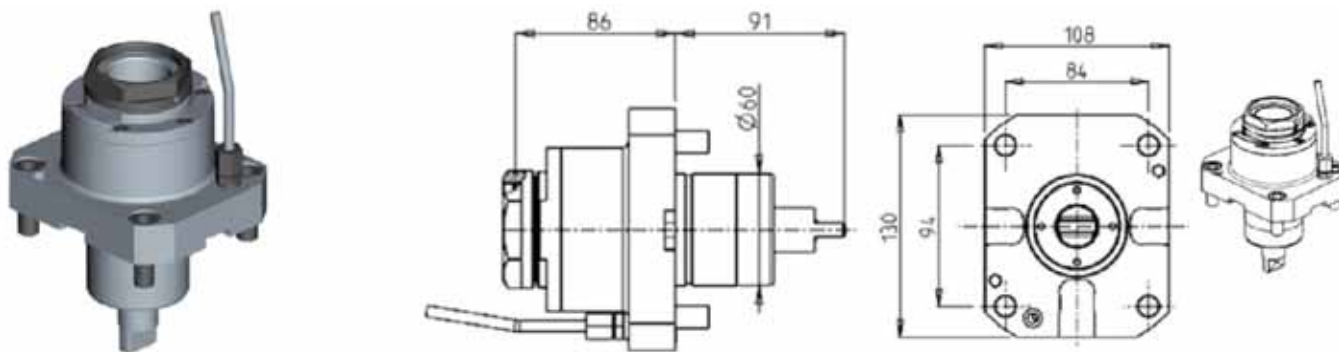
NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

RADIAL DRIVEN TOOL RPM=10,000

PartNumber	Description	Spindle	I	RPM	Ext Cool	A	A1	A2	D	L
MNL0760532	Radial ER32 RPM=10000 Short	ER32	1:1	10000	X	104.16				
MNL0760632	Radial ER32 RPM=10000	ER32	1:1	10000	X	144.16				
MNL0760140	Radial ER40 RPM=10000	ER40	1:1	10000	X	106.66				
MNL0761617	Radial Mill Head D=16, L=17, RPM=10000	16x17	1:1	10000	X		116		16	17
MNL0762219	Radial Mill Head D=22, L=19, RPM=10000	22x19	1:1	10000	X		106		22	19
MNL0762721	Radial Mill Head D=27, L=21, RPM=10000	27x21	1:1	10000	X		81.5		27	21
MNL0762519	Radial Mill Head D=1", L=19, RPM=10000	1"x19	1:1	10000	X		81.5		1"	21
MNL0760120	Radial Weldon 20, RPM=10000	Weldon 20	1:1	10000	X			99.5		
MNL0760125	Radial Weldon 25, RPM=10000	Weldon 25	1:1	10000	X			109		
MNL0760132	Radial Weldon 32, RPM=10000	Weldon 32	1:1	10000	X			125.5		

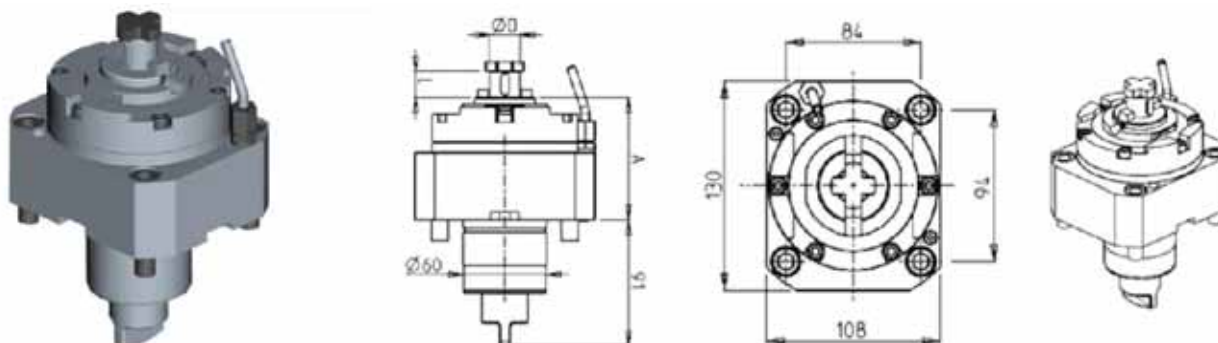
RADIAL MTSK DRIVEN TOOL - RPM=10,000*Please see Accessories for MTSK Clamping Units*

PartNumber	Description	Spindle	I	RPM	Ext Cool
MNL0790150	Radial MTSK-50 RPM=10000	MTSK-50	1:1	10000	X

NL DRIVEN

NLX3000 - NLX4000

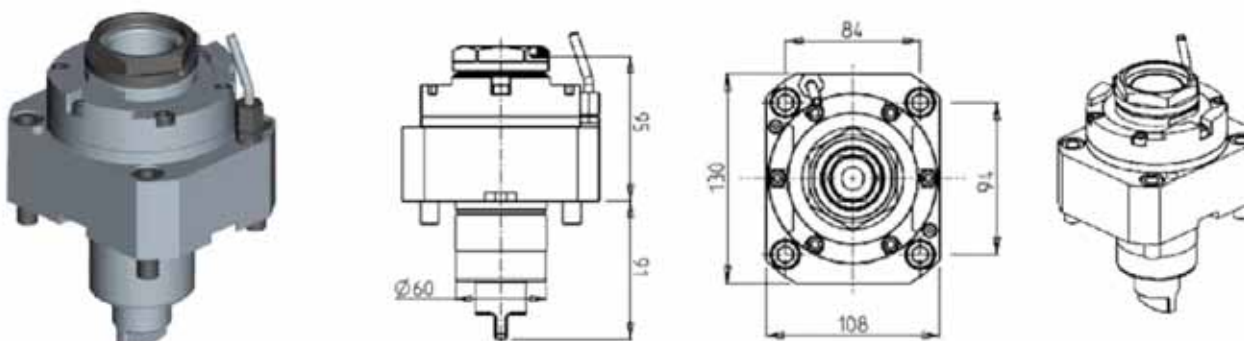
RADIAL REINFORCED MILLING TOOL



PartNumber	Description	Spindle	I	RPM	Ext Cool	A	D	L
MNL0732519	Radial Reinforced L=1", D=19mm	1"x19	1:1	4000	X	89	1"	19
MNL0732219	Radial Reinforced L=22mm, D=19mm	22x19	1:1	4000	X	88	22	19
MNL0732721	Radial Reinforced L=27mm, D=21mm	27x21	1:1	4000	X	89	27	21
MNL0733224	Radial Reinforced L=32mm, D=24mm	32x24	1:1	4000	X	91	32	24

RADIAL MTSK REINFORCED DRIVEN TOOL

Please see Accessories for MTSK Clamping Units



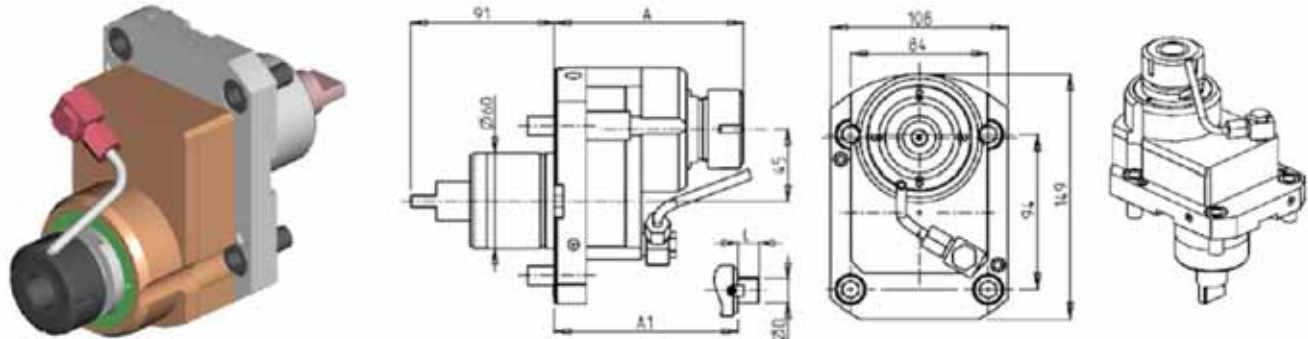
PartNumber	Description	Spindle	I	RPM	Ext Cool
MNL0740150	Radial MTSK-50 Reinforced	MTSK-50	1:1	4000	X

NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

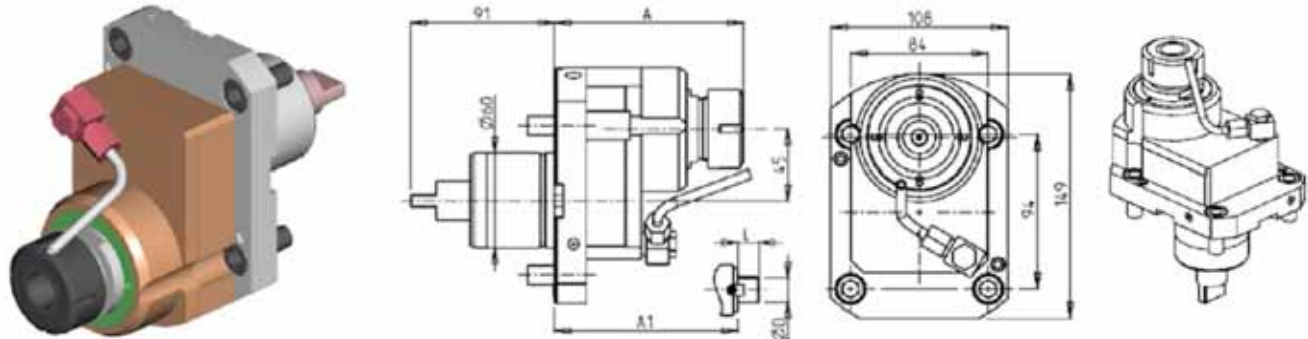
NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

RADIAL GEARED-DOWN RE-DIRECTED DRIVEN TOOL



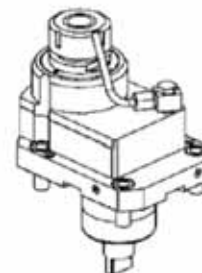
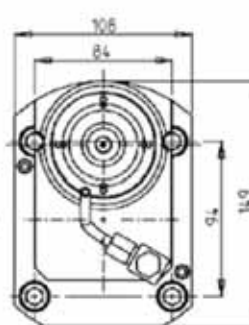
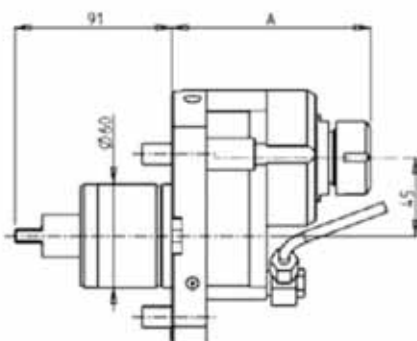
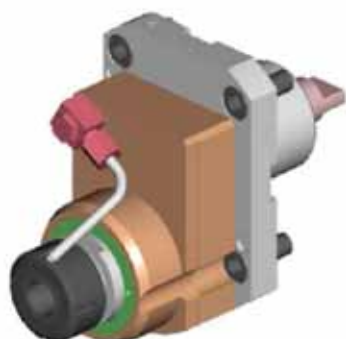
PartNumber	Description	Spindle	Reversible	I	RPM	Ext Cool	A	A1	D	L
MNL0342132	Radial ER32 Redirected Geared Down 2:1	ER32	X	2:1	3000	X	119.66			
MNL0342119	Radial Mill Head D=3/4", L=3/4" Redirected Geared Down 2:1	3/4"X3/4"	X	2:1	3000	X		98	3/4"	3/4"
MNL0342125	Radial Mill Head D=1.0", L=19mm Redirected Geared Down 2:1	1"X19	X	2:1	3000	X		98	1"	19
MNL0342122	Radial Mill Head D=22mm, L=19mm Redirected Geared Down 2:1	22x19	X	2:1	3000	X		98	22	19
MNL0342127	Radial Mill Head D=27mm, L=21mm Redirected Geared Down 2:1	27X21	X	2:1	3000	X		98	27	21

RADIAL RE-DIRECTED DRIVEN TOOL

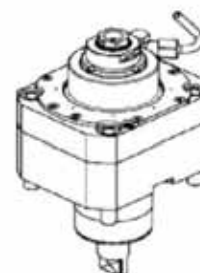
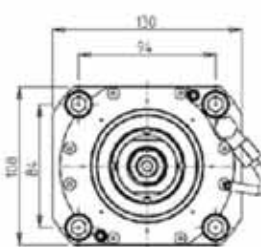
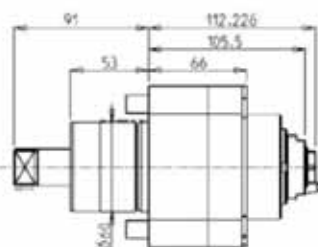


PartNumber	Description	Spindle	Reversible	I	RPM	Ext Cool	A	A1	D	L
MNL0340032	Radial ER32 Redirected in Z by 45mm	ER32	X	1:1	6000	X	119.66			
MNL0341119	Radial Mill Head D=3/4", L=3/4" Redirected	3/4"X3/4"	X	1:1	6000	X		98	3/4"	3/4"
MNL0342225	Radial Redirected Mill Head D=1.0", L=19mm	1"X19	X	1:1	6000	X		98	1"	19
MNL0341116	Radial Mill Head D=16mm, L=17mm Redirected	16x17	X	1:1	6000	X		98	16	17
MNL0341122	Radial Mill Head D=22mm, L=19mm Redirected	22x19	X	1:1	6000	X		98	22	19
MNL0341127	Radial Mill Head D=27mm, L=21mm Redirected	27X21	X	1:1	6000	X		98	27	21

RADIAL GEARED-UP 1:2 RE-DIRECTED IN Z BY 45mm DRIVEN TOOL



RADIAL GEARED-UP 1:5 DRIVEN TOOL



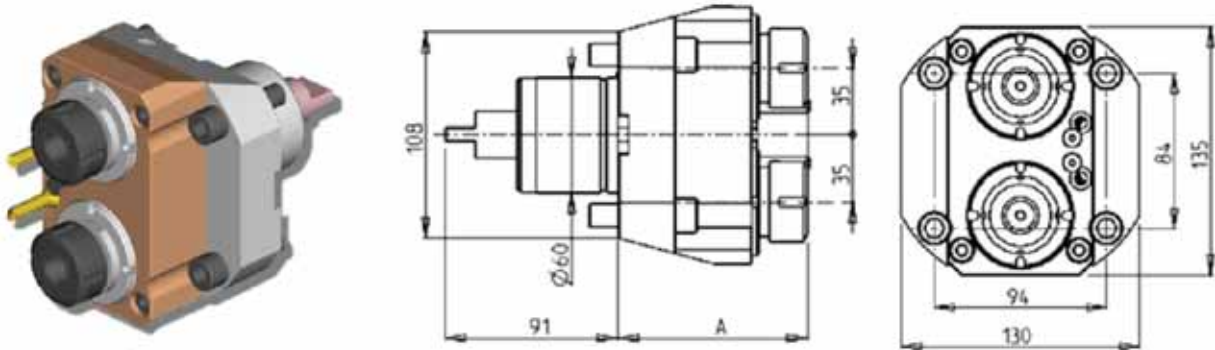
PartNumber	Description	Spindle	I	RPM	Ext Cool
MNL0690120	Radial ERA20 1:5 Geared Up	ERA20	1:5	30000	X

NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

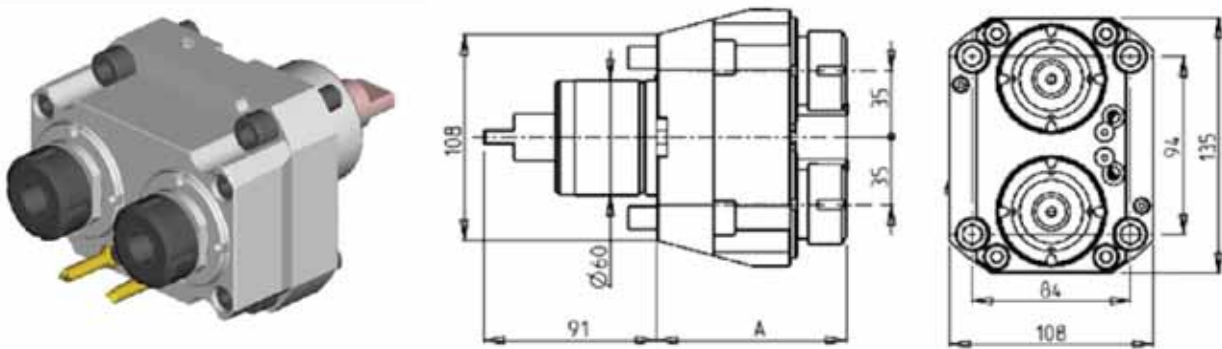
NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

RADIAL SINGLE SIDE TWIN HEAD DRIVEN TOOL FOR Y-AXIS



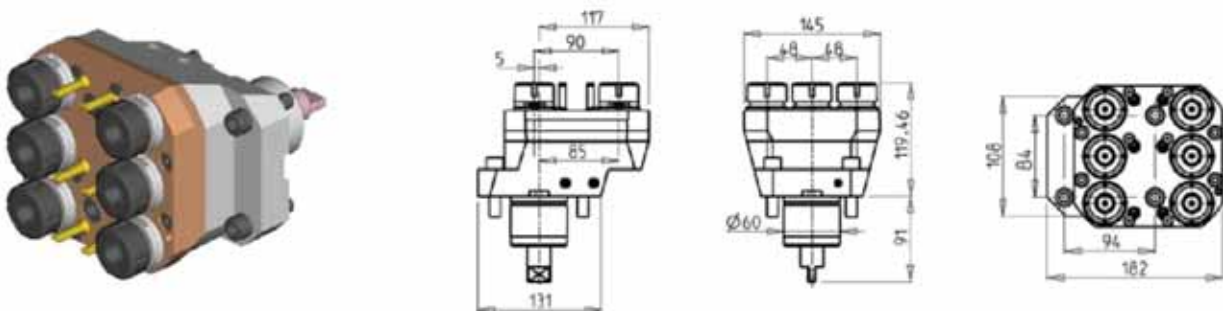
PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A
MNL0200225	Radial ER25 Double Outlet Tool for Y-Axis	ER25	1:1	6000		X	99.96

RADIAL SINGLE SIDE TWIN HEAD DRIVEN TOOL FOR Z-AXIS



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A
MNL0420225	Radial ER25 Double Outlet Tool for Z-Axis	ER25	1:1	6000		X	99.96

6 HEAD DRIVEN RADIAL TOOL



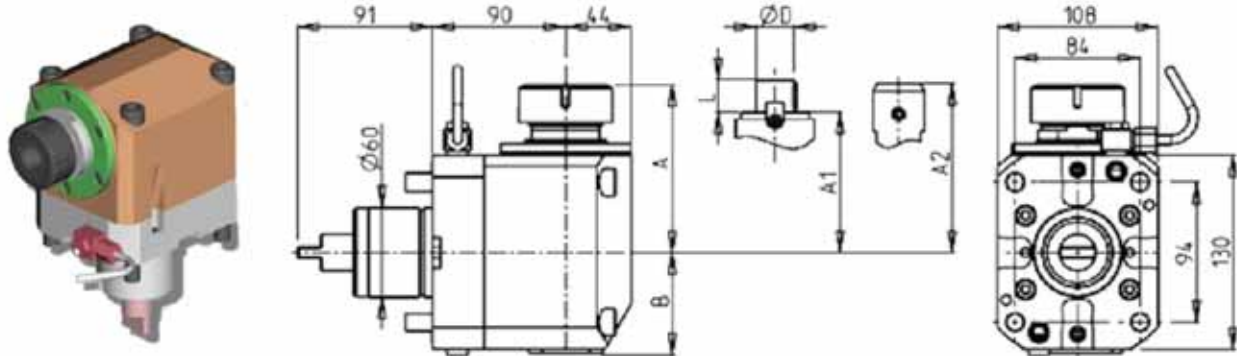
PartNumber	Description	# of Tools	Reversible	Spindle	I	RPM	Ext Cool
MNL0210625	Radial ER25 6-Head Tool	6	X	ER25	1:1	6000	X

NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

AXIAL DRIVEN TOOL

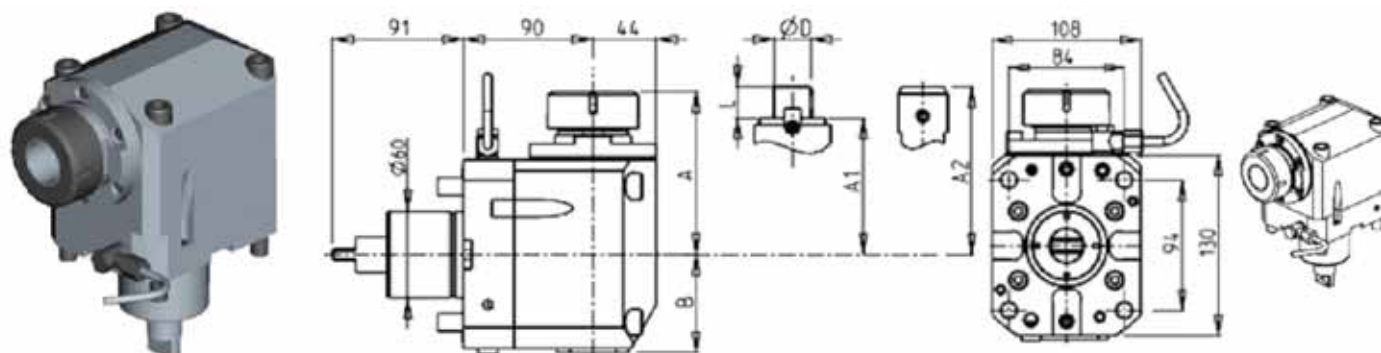


PartNumber	Description	Mori Ref	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	A	A1	A2	B	D	L
MNL0010532	Axial ER32 Standard	T32207	ER32	X	1:1	6000		X	110.6			69		
MNL0010140	Axial ER40 Standard	T32214	ER40	X	1:1	6000		X	112.6			69		
MNL0010332	Axial ERA32		ERA32	X	1:1	6000		X	98.5			69		
MNL0011532	Axial ER32 Cool Thru*		ER32	X	1:1	6000	X	X	110.6			91.5		
MNL0011140	Axial ER40 Cool Thru*		ER40	X	1:1	6000	X	X	112.6			91.5		
MNL0010432	Axial ERA32 Cool Thru*		ERA32	X	1:1	6000	X	X	98.5			91.5		
MNL0011617	Axial Mill Head D=16mm, L=17mm		16x17	X	1:1	6000		X		87.5		69	16	17
MNL0012219	Axial Mill Head D=22mm, L=19mm		22x19	X	1:1	6000		X		87.5		69	22	19
MNL0012721	Axial Mill Head D=27mm, L=21mm		27x21	X	1:1	6000		X		87.5		69	27	21
MNL0012519	Axial Mill Head D=1", L=19mm		1"x19	X	1:1	6000		X		87.5		69	1"	19
MNL0010120	Axial Weldon 20		Weldon 20	X	1:1	6000		X			105.5	69		
MNL0010125	Axial Weldon 25		Weldon 25	X	1:1	6000		X			115	69		
MNL0010132	Axial Weldon 32		Weldon 32	X	1:1	6000		X			131.5	69		
MNL0010220	Axial Weldon 20 Cool Thru*		Weldon 20	X	1:1	6000	X	X			105.5	91.5		
MNL0010225	Axial Weldon 25 Cool Thru*		Weldon 25	X	1:1	6000	X	X			115	91.5		

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

NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

AXIAL DRIVEN TOOL RPM=10,000



Part Number	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	A	A1	A2	B	D	L
MNL0750532	Axial ER32 RPM=10,000	ER32	X	1:1	10000		X	110.6				69	
MNL0750140	Axial ER40 RPM=10,000	ER40	X	1:1	10000		X	112.6				69	
MNL0750332	Axial ERA32 RPM=10,000	ERA32	X	1:1	10000		X	98.5				69	
MNL0751532	Axial ER32 RPM=10,000 Cool Thru*	ER32	X	1:1	10000	X	X	110.6				91.5	
MNL0751140	Axial ER40 RPM=10,000 Cool Thru*	ER40	X	1:1	10000	X	X	112.6				91.5	
MNL0750432	Axial ERA32 RPM=10,000 Cool Thru*	ERA32	X	1:1	10000	X	X	98.5				91.5	
MNL0751617	Axial Mill Head D=16mm, L=17mm RPM=10,000	16x17	X	1:1	10000		X		87.5		69	16	17
MNL0752219	Axial Mill Head D=22mm, L=19mm RPM=10,000	22x19	X	1:1	10000		X		87.5		69	22	19
MNL0752721	Axial Mill Head D=27mm, L=21mm RPM=10,000	27x21	X	1:1	10000		X		87.5		69	27	21
MNL0752519	Axial Mill Head D=1", L=19mm RPM=10,000	1"x19	X	1:1	10000		X		87.5		69	1"	19
MNL0750120	Axial Weldon 20 RPM=10,000	Weldon 20	X	1:1	10000		X			105.5	69		
MNL0750125	Axial Weldon 25 RPM=10,000	Weldon 25	X	1:1	10000		X			115	69		
MNL0750132	Axial Weldon 32 RPM=10,000	Weldon 32	X	1:1	10000		X			131.5	69		
MNL0750220	Axial Weldon 20 RPM=10,000 Cool Thru*	Weldon 20	X	1:1	10000	X	X			105.5	91.5		
MNL0750225	Axial Weldon 25 RPM=10,000 Cool Thru*	Weldon 25	X	1:1	10000	X	X			115	91.5		

* Coolant Thru tools are designed for 1000 psi.
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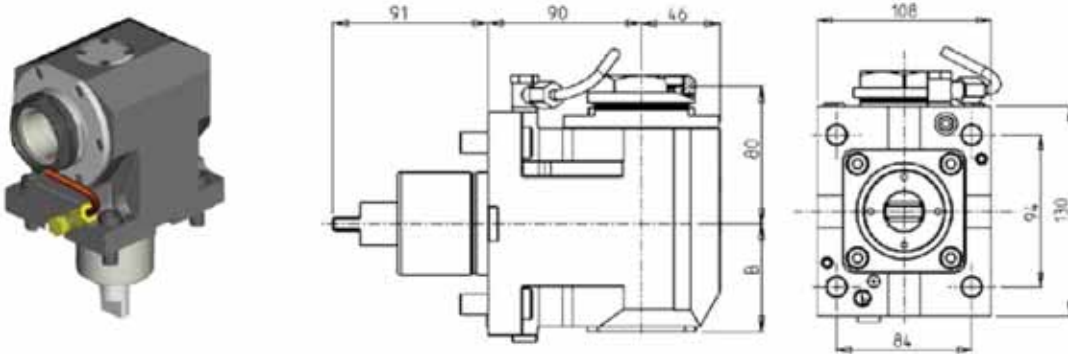
NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

AXIAL MTSK DRIVEN TOOL

Please see Accessories for MTSK Clamping Units

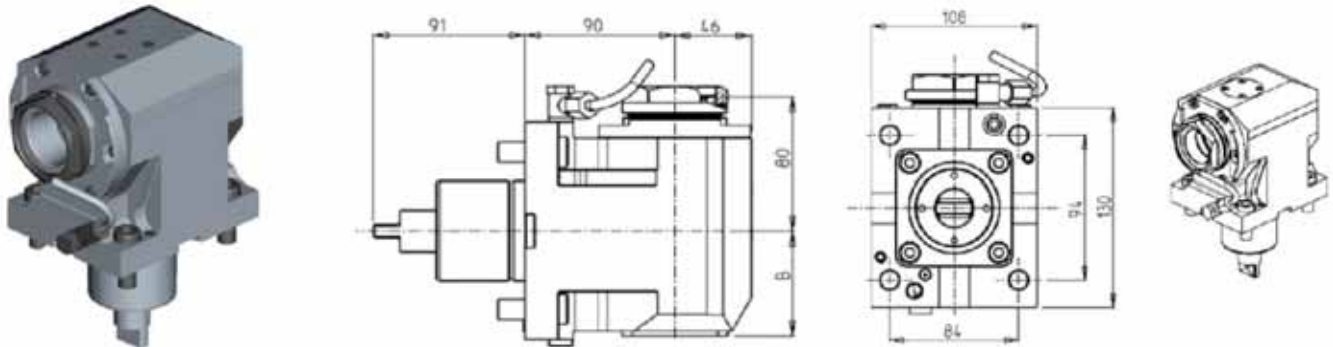


PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	B
MNL0580150	Axial MTSK 50	MTSK50	X	1:1	6000		X	63
MNL0580250	Axial MTSK 50 Cool Thru*	MTSK50	X	1:1	6000	X	X	76.5

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

AXIAL MTSK DRIVEN TOOL RPM=10,000

Please see Accessories for MTSK Clamping Units



PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	B
MNL0780150	Axial MTSK-50 RPM=10,000	MTSK-50	X	1:1	10000		X	63
MNL0780250	Axial MTSK-50 RPM=10,000 Cool Thru*	MTSK-50	X	1:1	10000	X	X	76.5

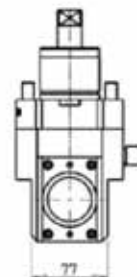
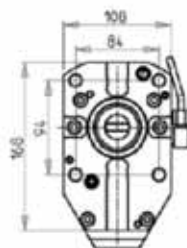
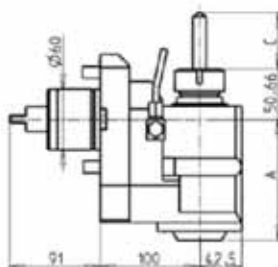
* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

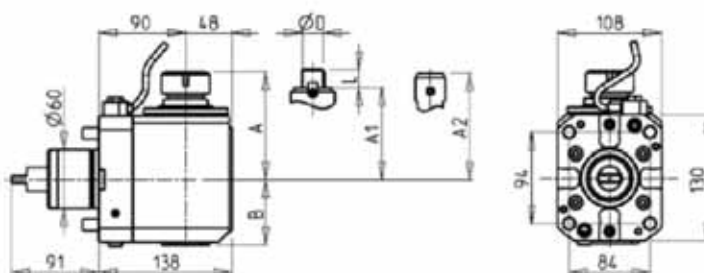
AXIAL REAR-SET DRIVEN TOOL



PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	A	CMax
MNL0290632	Axial ER32 Redirected	ER32	X	1:1	6000		X	121	118
MNL0291632	Axial ER32 Redirected Cool Thru*	ER32	X	1:1	6000	X	X	135	118

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

AXIAL GEARED-DOWN DRIVEN TOOL



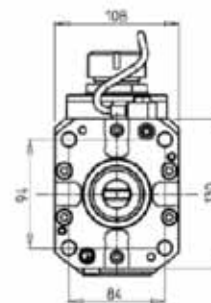
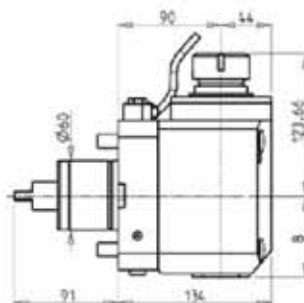
* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

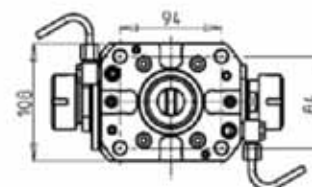
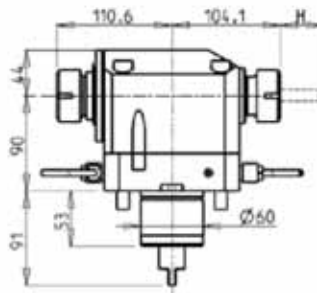
AXIAL GEARED-UP DRIVEN TOOL



PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	B
MNL0350532	Axial ER32 Geared-Up 1:2	ER32	X	1:2	12000		X	71
MNL0351532	Axial ER32 Geared-Up 1:2 Cool Thru*	ER32	X	1:2	12000	X	X	94.5

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

AXIAL OPPOSITE FACE TWIN DRIVEN TOOL



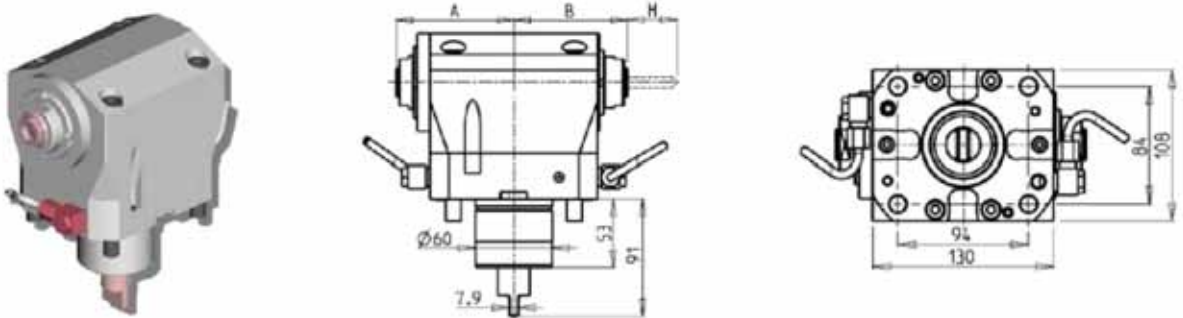
PartNumber	Description	Mori Ref	Spindle	Reversible	I	RPM	Ext Cool	H Max
MNL0030232	Axial Double Outlet ER32/ER32	T32216	ER32+ER32	X	1:1	6000	X	68

NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

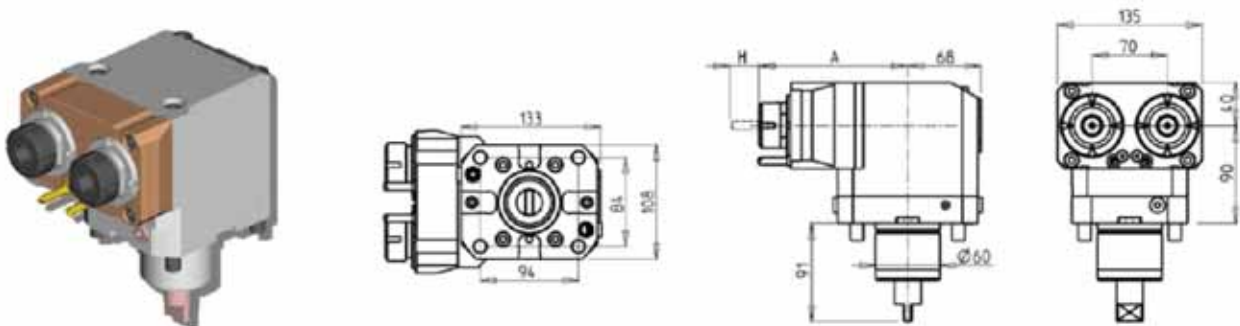
NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

AXIAL OPPOSITE FACE TWIN DRIVEN TOOL GEARED-UP



PartNumber	Description	Spindle	Reversible	I	RPM	Ext Cool	A	B	H Max
MNL0450116	Axial Geared –Up 1 :2 Double Outlet ER16A/ER16A	ERA16+ERA16	X	1:2	12000	X	97.63	94.13	77.6
MNL0450120	Axial Geared –Up 1 :2 Double Outlet ER20A/ER20A	ERA20+ERA20	X	1:2	12000	X	95.73	93.73	78

AXIAL SINGLE SIDE TWIN HEAD DRIVEN TOOL



PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	A	H Max
MNL0220225	Axial Double Outlet ER25	ER25	X	1:1	6000		X	137.96	28.5
MNL0221225	Axial Double Outlet ER25 Cool Thru*	ER25	X	1:1	6000	X	X	162.66	6.95
MNL0221325	Axial Double Outlet ERA25 Cool Thru*	ERA25	X	1:1	6000	X	X	156.03	14.5

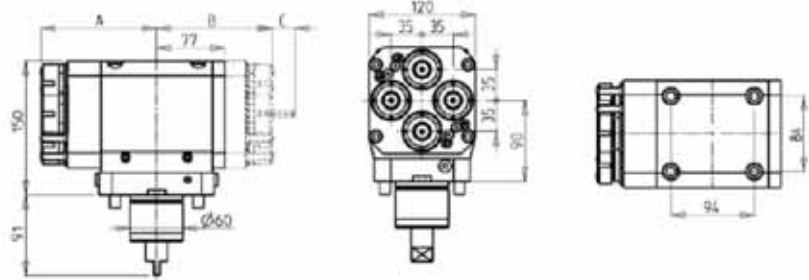
* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

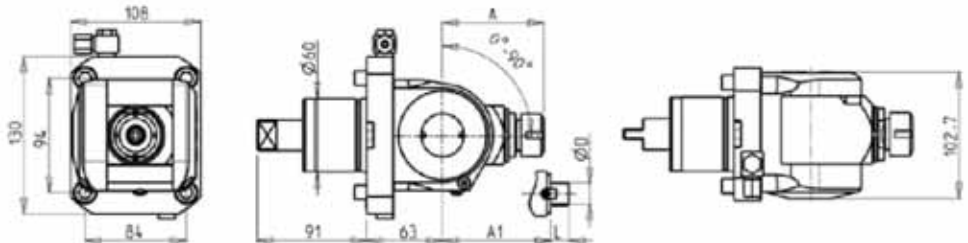
AXIAL MULTIPLE 4/8 OUTLET HEAD DRIVEN TOOL



PartNumber	Description	# of Tools	Reversible	Spindle	I	RPM	Ext Cool	A	B	CMax
MNL0230425	Axial Four Outlet ER25 Tool	4	X	ER25	1:1	6000	X	130.46		
MNL0234425	Axial 4+4 Outlet ER25 Tool	4+4		ER25	1:1	6000	X	130.46	130.46	36

Note : Also available in 2+2 version : Call for price and availability

0-90 ADJUSTABLE ANGLE DRIVEN TOOL



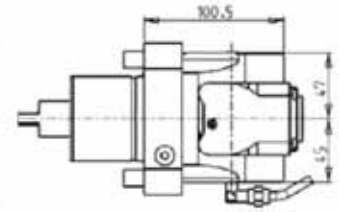
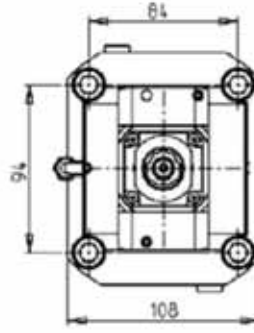
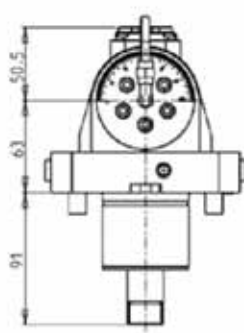
PartNumber	Description	Spindle	Reversible	I	RPM	Ext Cool	A	A1	D	L
MNL0170020	Adj. Angle (0-90) ER20	ER20	X	1:1	6000	X	84.16			
MNL0170025	Adj. Angle (0-90) ER25	ER25	X	1:1	6000	X	85.66			
MNL0171905	Adj. Angle (0-90) Mill Head dD=3/4", L=3/4"	3/4"x3/4"	X	1:1	6000	X		65	3/4"	3/4"
MNL0171617	Adj. Angle (0-90) Mill Head D=16mm, L=17mm	16x17	X	1:1	6000	X		65	16	17
MNL0172219	Adj. Angle (0-90) Mill Head D=22mm, L=19mm	22x19	X	1:1	6000	X		66	22	19

NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

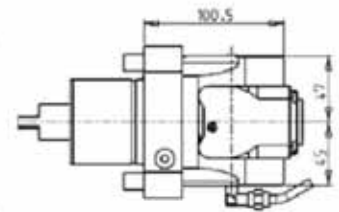
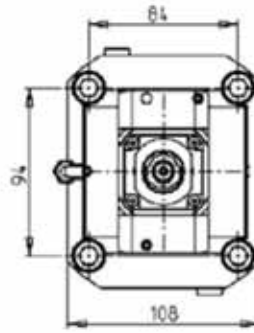
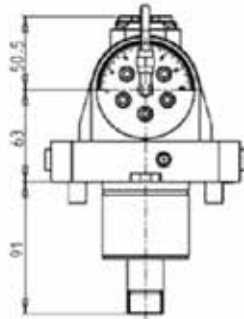
NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

0-180 ADJUSTABLE ANGLE DRIVEN TOOL ERA20



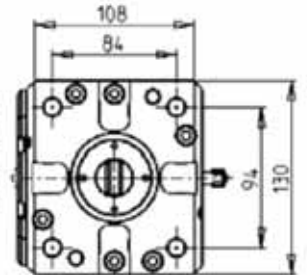
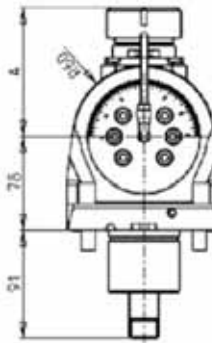
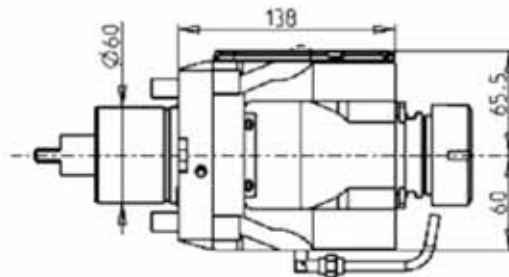
PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool
MNL0640120	Adj. Angle (0-180) ERA20	ERA20	1:1	6000		X
MNL0640220	Adj. Angle (0-180) ERA20 Cool Thru*	ERA20	1:1	6000	X	X

0-180 ADJUSTABLE ANGLE DRIVEN TOOL GEARED UP



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool
MNL0640316	Adj. Angle (0-180) Geared-Up ERA16	ERA16	1:2	12000		X
MNL0640416	Adj. Angle (0-180) Geared-Up ERA16 Cool Thru*	ERA16	1:2	12000	X	X

0-180 ADJUSTABLE ANGLE DRIVEN TOOL



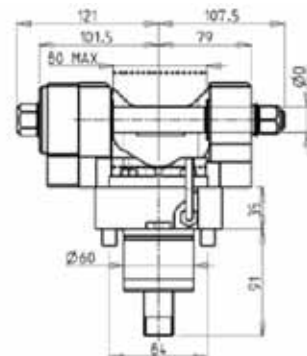
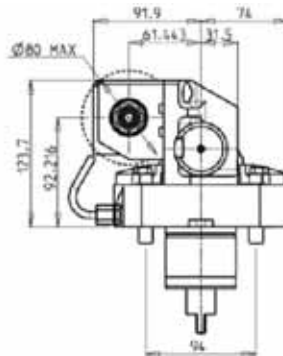
PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A
MNL0660332	Adj. Angle (0-180) ERA32	ERA32	1:1	6000		X	81
MNL0660140	Adj. Angle (0-180) ERA40	ERA40	1:1	6000		X	108.66
MNL0660432	Adj. Angle (0-180) ERA32 Cool Thru*	ERA32	1:1	6000	X	X	81
MNL0660240	Adj. Angle (0-180) ERA40 Cool Thru*	ERA40	1:1	6000	X	X	108.66

NL DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

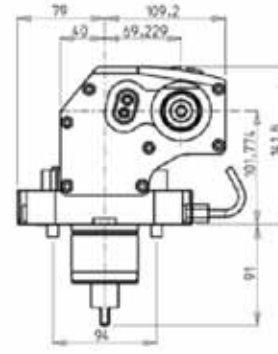
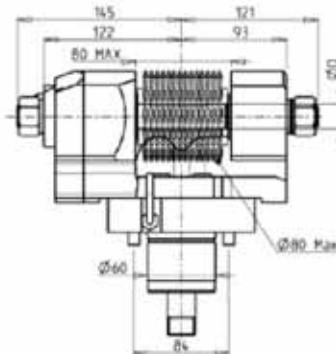
NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

DRIVEN GEAR HOBBER



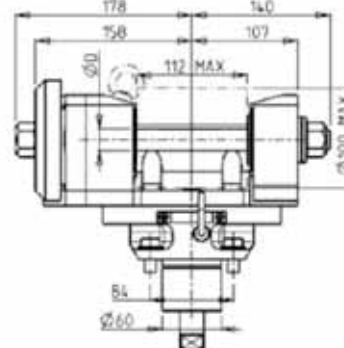
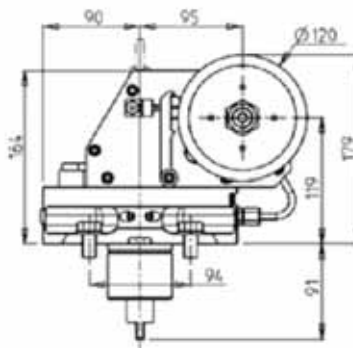
PartNumber	Description	Reversible	I	RPM	Ext Cool	D mm	D Inch
MNL0151100	Gear Hobbing Tool 1:1	X	1:1	6000	X	16-22-27-32	3/4"-1"-1.25"
MNL0152100	Gear Hobbing Tool 2:1 Geared Down	X	2:1	3000	X	16-22-27-32	3/4"-1"-1.25"

GEAR HOBBER - HEAVY DUTY TOOL



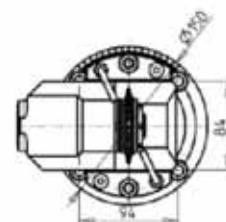
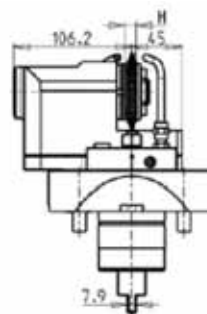
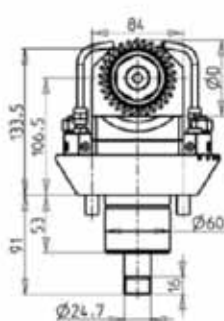
PartNumber	Description	Reversible	I	RPM	Ext Cool	D mm	D Inch
MNL0411100	Heavy Duty Gear Hobbing Tool 1:1	X	1:1	6000	X	16-22-27-32	3/4"-1"-1.25"
MNL0412100	Heavy Duty Gear Hobbing Tool 2:1 Geared Down	X	2:1	3000	X	16-22-27-32	3/4"-1"-1.25"

LARGE DRIVEN GEAR HOBBER

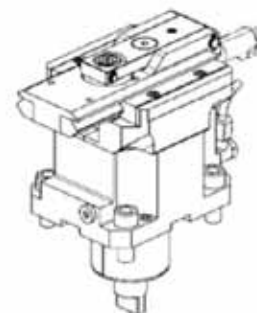
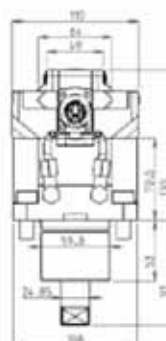
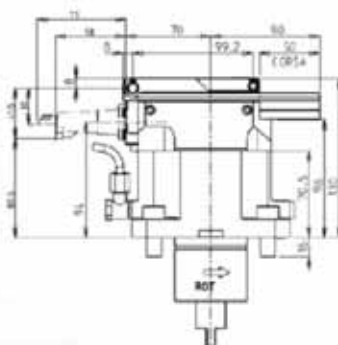


PartNumber	Description	I	RPM	Ext Cool	D (mm)
MNL0671100	Large Gear Hobber I=1:1	1:1	6000	X	22-27-32
MNL0672100	Large Gear Hobber I=2:1	2:1	3000	X	22-27-32

WORM GEAR DRIVEN TOOL



BROACHING TOOL

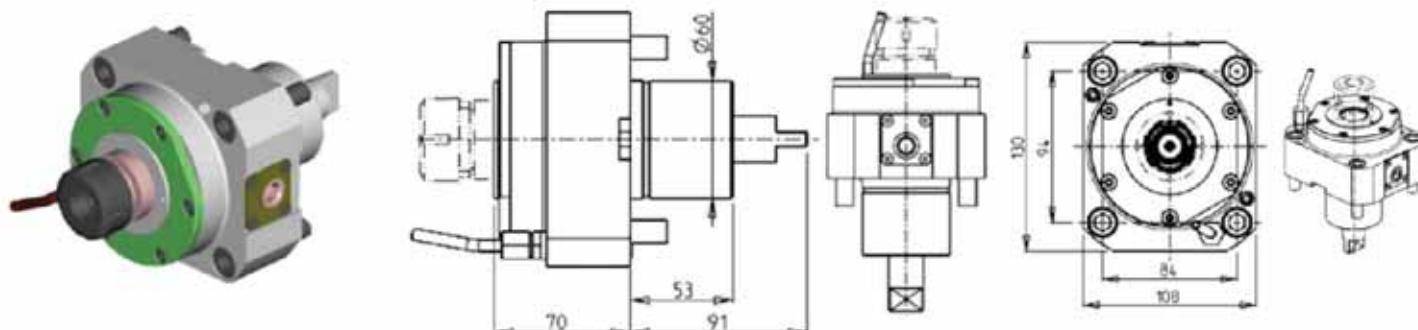
17

NL CAPTO DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

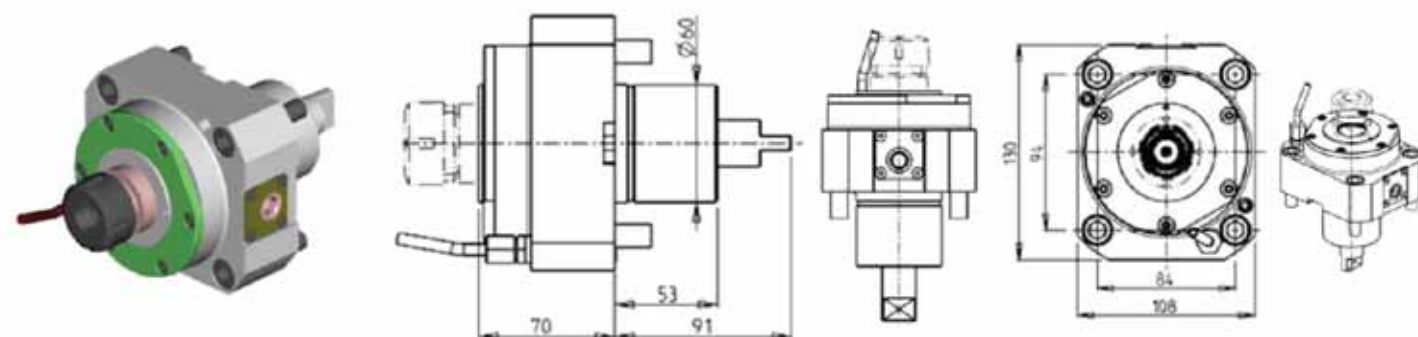
NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

RADIAL DRIVEN TOOL COROMANT-CAPTO



PartNumber	Description	I	RPM	Capto Size	Ext Cool
MNL0530140	Radial ER25 Standard: C4 Capto	1:1	6000	C4	X
MNL0530150	Radial ER32 Standard: C5 Capto	1:1	6000	C5	X

RADIAL DRIVEN TOOL COROMANT-CAPTO RPM=10,000



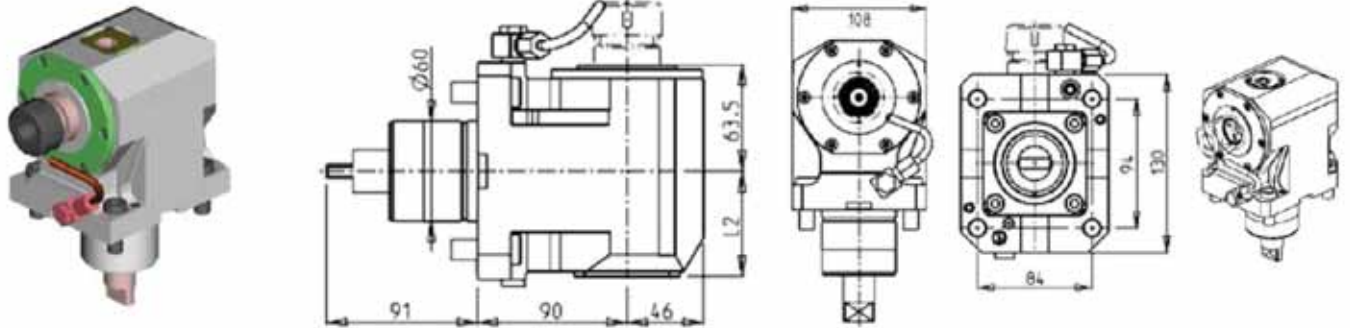
PartNumber	Description	Capto Size	I	RPM	Ext Cool
MNL0810140	Radail C4 Capto	C4	1:1	10000	X
MNL0810150	Radail C5 Capto	C5	1:1	10000	X

NL CAPTO DRIVEN

NL1500/2000/2500/3000 12 STATION - NLX1500/2000/2500/3000 12 STATION - NLX4000

NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

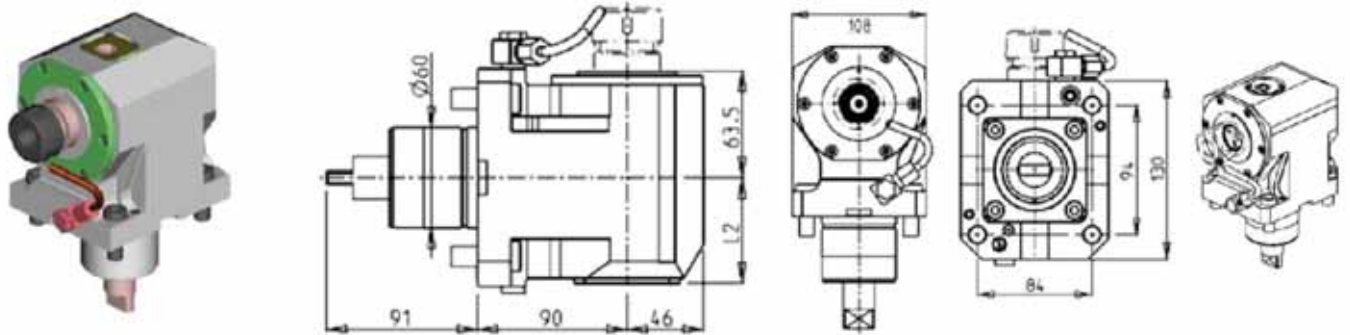
AXIAL DRIVEN TOOL COROMANT-CAPTO



PartNumber	Description	Reversible	I	RPM	Capto Size	Cool Thru	Ext Cool	L1	L2
MNL0520140	Axial ER25 Standard: C4 Capto	X	1:1	6000	C4		X	63.5	63
MNL0520150	Axial ER32 Standard: C5 Capto	X	1:1	6000	C5		X	63.5	63
MNL0520240	Axial ER25 Cool Thru* C4 Capto	X	1:1	6000	C4	X	X	63.5	76.5
MNL0520250	Axial ER32 Cool Thru* C5 Capto	X	1:1	6000	C5	X	X	63.5	76.5

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

AXIAL DRIVEN TOOL COROMANT-CAPTO RPM=10,000



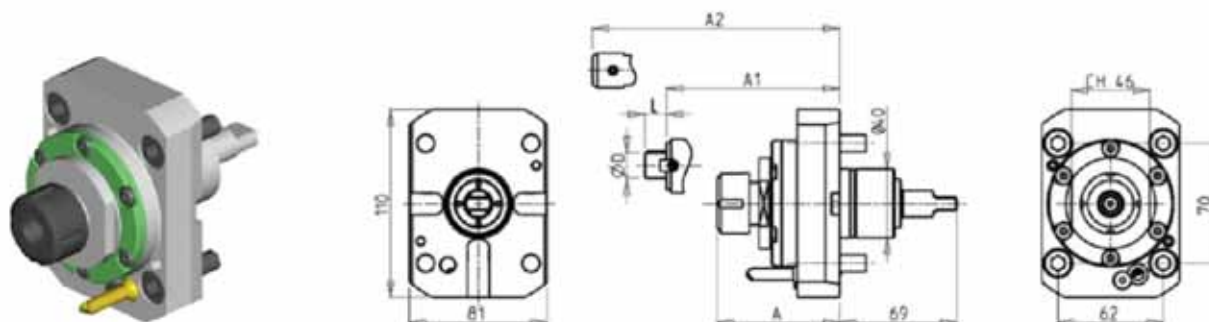
PartNumber	Description	Capto Size	Reversible	I	RPM	Cool Thru	Ext Cool	L2
MNL0800140	Axial C4 Capto RPM=10000	C4	X	1:1	10000		X	63
MNL0800240	Axial C4 Capto RPM=10000 Cool Thru*	C4	X	1:1	10000	X	X	76.5
MNL0800150	Axial C5 Capto RPM=10000	C5	X	1:1	10000		X	63
MNL0800250	Axial C5 Capto RPM=10000 Cool Thru*	C5	X	1:1	10000	X	X	76.5

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

NZ DRIVEN

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION
NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

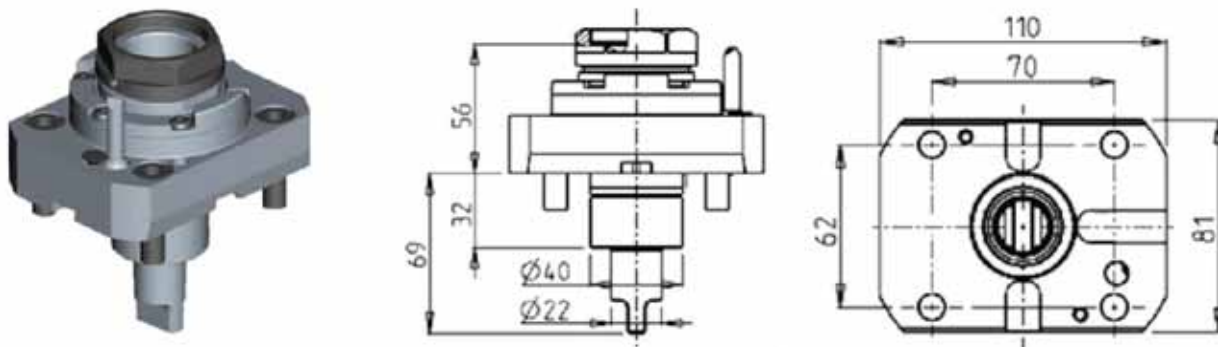
RADIAL DRIVEN TOOL



PartNumber	Description	Mori Ref	Spindle	I	RPM	Ext Cool	A	A1	A2	D	L
MNZ0020120	Radial ER20 Standard	T32254	ER20	1:1	6000	X	72.16				
MNZ0020125	Radial ER25 Standard		ER25	1:1	6000/12000	X	73.16				
MNZ0020132	Radial ER32 Standard		ER32	1:1	6000	X	76.16				
MNZ0020419	Radial Mill Head D=3/4", L=3/4"		3/4"X3/4"	1:1	6000	X		54.5		3/4"	3/4"
MNZ0020416	Radial Mill Head D=16mm, L=17mm		16x17	1:1	6000	X		54.5		16	17
MNZ0020422	Radial Mill Head D=22mm, L=19mm		22x19	1:1	6000	X		54.5		22	19
MNZ0020308	Radial Weldon 8		Weldon 8	1:1	6000	X			72.5		
MNZ0020310	Radial Weldon 10		Weldon 10	1:1	6000	X			74.5		
MNZ0020316	Radial Weldon 16		Weldon 16	1:1	6000	X			79.5		
MNZ0020312	Radial Weldon 12		Weldon 12	1:1	6000	X			77		

RADIAL MTSK DRIVEN TOOL

Please see Accessories for MTSK Clamping Units

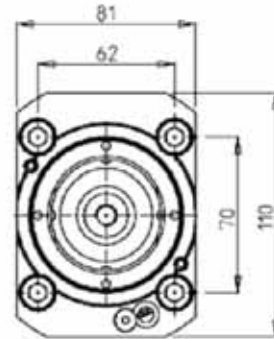
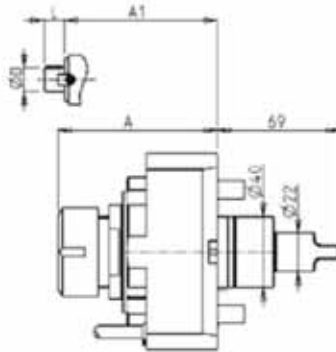


PartNumber	Description	Spindle	I	RPM	Ext Cool
MNZ0410140	Radial MTSK 40 Driven	MTSK40	1:1	6000	X

NZ DRIVEN

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION
NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

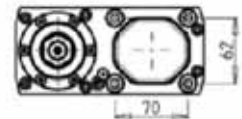
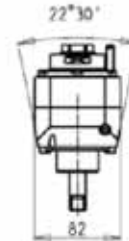
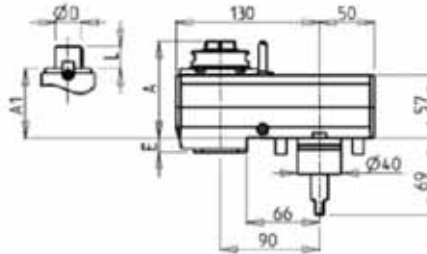
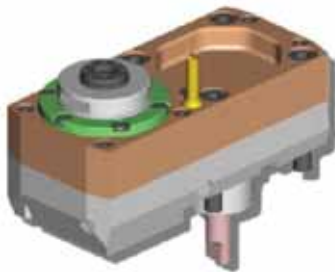
RADIAL REINFORCED DRIVEN TOOL



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1	D	L
MNZ0360440	Radial ERA40 Heavy Duty	ERA40	1:1	6000	X		83.5		22	19
MNZ0360132	Radial ER32 Heavy Duty	ER32	1:1	6000		X	89.66			
MNZ0360519	Radial Mill Head D=3/4", L=3/4" Heavy Duty	3/4"x3/4"	1:1	6000		X		68	3/4"	3/4"
MNZ0360516	Radial Mill Head D=16mm, L=17mm Heavy Duty	16x17	1:1	6000		X		68	16	17
MNZ0360522	Radial Mill Head D=22mm, L=19mm Heavy Duty	22x19	1:1	6000		X		68	22	19

RADIAL RE-DIRECTED DRIVEN TOOL IN Z BY 90mm

Warning: This tool can not be mounted on NT3000 Series



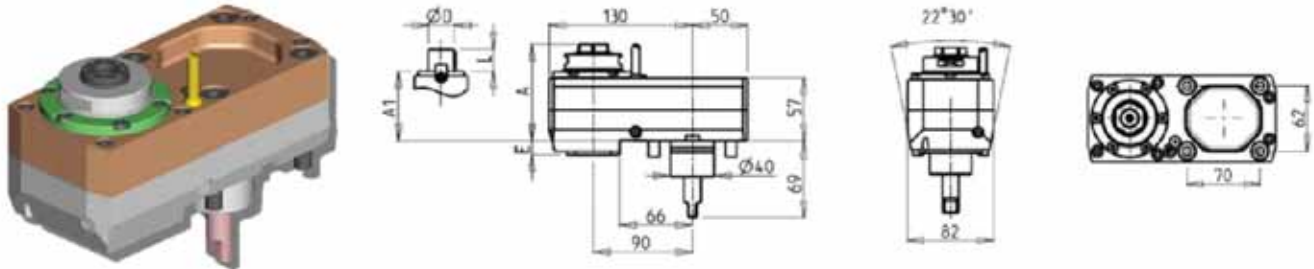
PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	A	A1	D	L	E
MNZ0060220	Radial ERA20 Redirected	ERA20	X	1:1	6000		X	81.73				12
MNZ0060225	Radial ERA25 Redirected	ERA25	X	1:1	6000		X	87.53				12
MNZ0060232	Radial ERA32 Redirected	ERA32	X	1:1	6000		X	95.03				12
MNZ0060219	Radial Mill Head D=3/4", L=3/4" Redirected	3/4"x3/4"	X	1:1	6000		X		75.5	3/4"	3/4"	12
MNZ0060216	Radial Mill Head D=16mm, L=17mm Redirected	16x17	X	1:1	6000		X		75.5	16	17	12
MNZ0060222	Radial Mill Head D=22mm, L=19mm Redirected	22x19	X	1:1	6000		X		75.5	22	19	12

NZ DRIVEN

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION
NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

RADIAL GEARED-DOWN 2:1 RE-DIRECTED IN Z BY 90mm DRIVEN TOOL

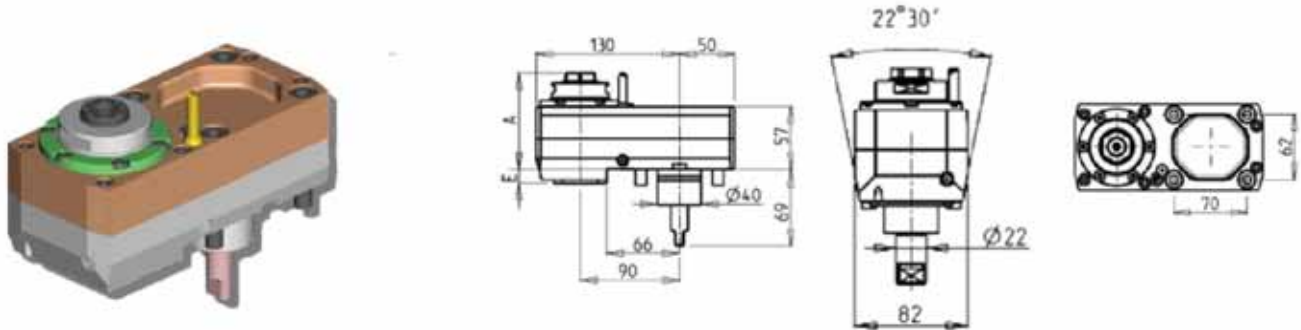
Warning: This tool can not be mounted on NT3000 Series



PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	A	A1	D	L	E
MNZ0060125	Radial Geared-Down 2:1 ERA25 Redirected	ERA25	X	2:1	3000		X	87.53				12
MNZ0060132	Radial Geared-Down 2:1 ERA32 Redirected	ERA32	X	2:1	3000		X	95.03				12
MNZ0060119	Radial Geared-Down 2:1 Redirected Mill Head D=3/4", L=3/4"	3/4"X3/4"	X	2:1	3000		X		75.5	3/4"	3/4"	12
MNZ0060116	Radial Geared-Down 2:1 Redirected Mill Head D=16mm, L=17mm	16X17	X	2:1	3000		X		75.5	16	17	12
MNZ0060122	Radial Geared-Down 2:1 Redirected Mill Head D=22mm, L=19mm	22X19	X	2:1	3000		X		75.5	22	19	12

RADIAL GEARED-UP 1:2 RE-DIRECTED IN Z BY 90mm DRIVEN TOOL

Warning: This tool can not be mounted on NT3000 Series

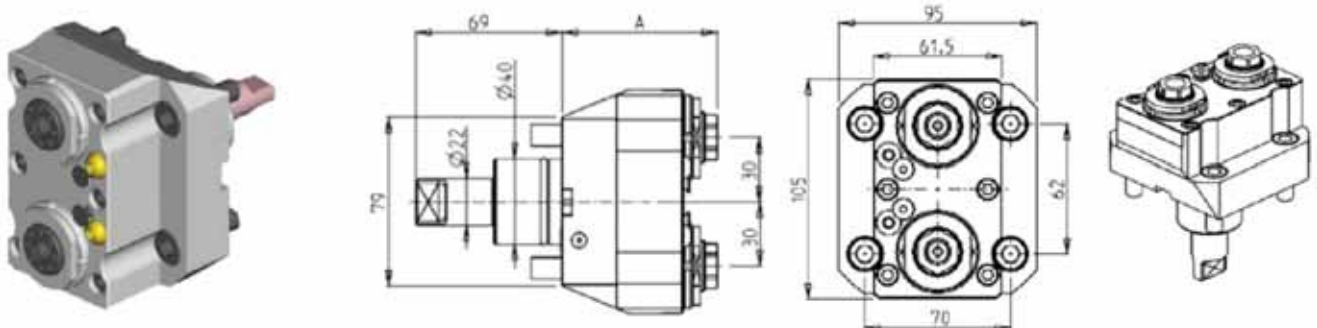


PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	A	E
MNZ0060320	Radial Geared-Up 1:2 ERA20 Redirected	ERA20	X	1:2	12000		X	88.73	12
MNZ0060325	Radial Geared-Up 1:2 ERA25 Redirected	ERA25	X	1:2	12000		X	94.53	12

NZ DRIVEN

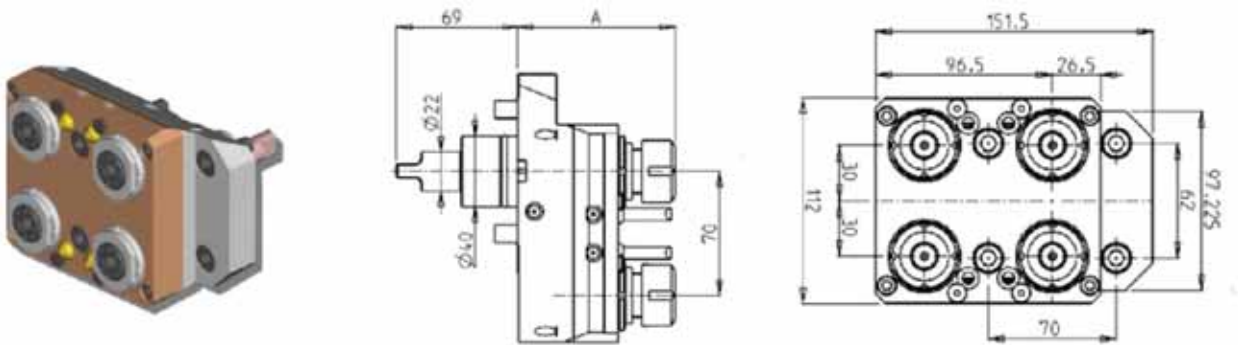
NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION
NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

RADIAL SINGLE SIDE TWIN HEAD DRIVEN TOOL IN Y AXIS



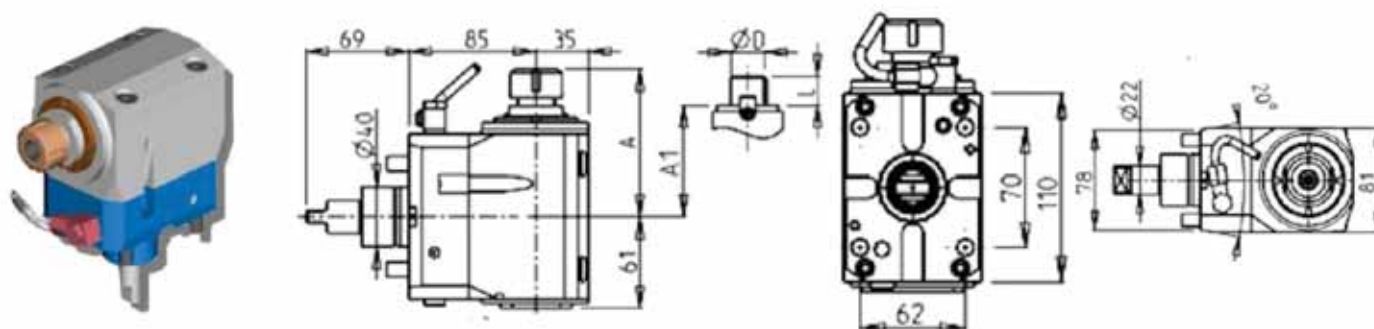
PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A
MNZ0030416	Radial Double Outlet ER16A	ERA16	1:1	6000		X	73.13
MNZ0030420	Radial Double Outlet ER20	ER20	1:1	6000		X	89.66

RADIAL 4 HEAD DRIVEN TOOL



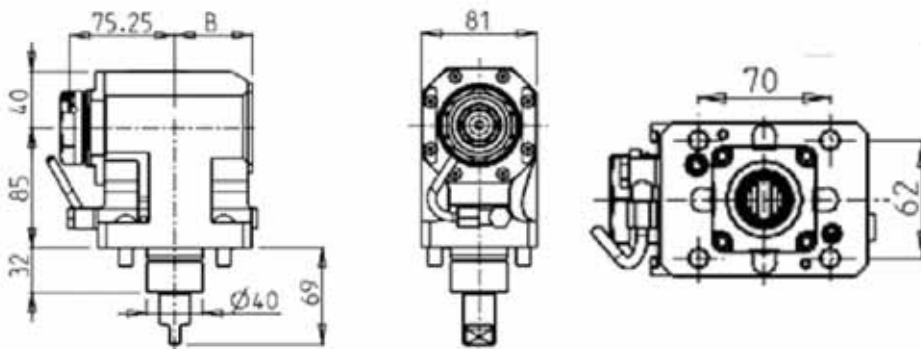
PartNumber	Description	# of Tools	Reversible	Spindle	I	RPM	Ext Cool	A
MNZ0030116	Radial 4-Outlet ERA16	4	X	ER16	1:1	6000	X	67.26
MNZ0030120	Radial 4-Outlet ERA 20	4	X	ER20	1:1	6000	X	89.66

AXIAL DRIVEN TOOL



PartNumber	Description	Mori Ref	Rev.	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1	B	D	L
MNZ0010120	Axial ER20 Standard	T32255	X	ER20	1:1	6000		X	98.16		61		
MNZ0010125	Axial ER25 Standard	T32275	X	ER25	1:1	6000/12000		X	99.16		61		
MNZ0010132	Axial ER32 Standard		X	ER32	1:1	6000		X	102.16		61		
MNZ0010225	Axial ER25 Cool Thru*		X	ER25	1:1	6000/12000	X	X	99.16		71		
MNZ0010232	Axial ER32 Cool Thru*		X	ER32	1:1	6000/12000	X	X	102.76		71		
MNZ0011919	Axial Mill Head D=3/4", L=3/4"		X	3/4"x3/4"	1:1	6000		X		77	61	3/4"	3/4"
MNZ0011617	Axial Mill Head D=16mm, L=17mm		X	16x17	1:1	6000		X		76.5	61	16	17
MNZ0012219	Axial Mill Head D=22mm, L=19mm		X	22x19	1:1	6000		X		78.5	61	22	19
MNZ0012721	Axial Mill Head D=27mm, L=21mm		X	27x21	1:1	6000		X		79.5	61	27	21

AXIAL MTSK DRIVEN TOOL



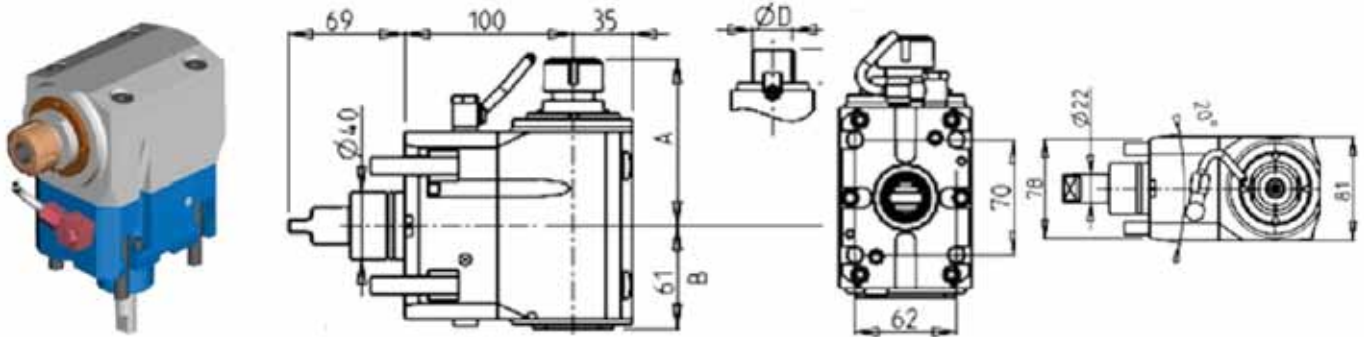
PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	B
MNZ0040140	Axial MTSK 40 Driven	MTSK40	X	1:1	6000		X	55
MNZ0040240	Axial MTSK 40 Driven Cool Thru*	MTSK40	X	1:1	6000	X	X	69

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NZ DRIVEN

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION NLX1500/2000/2500 20 STATION DURATURN 2050MC/2550MC

AXIAL DRIVEN TOOL H100



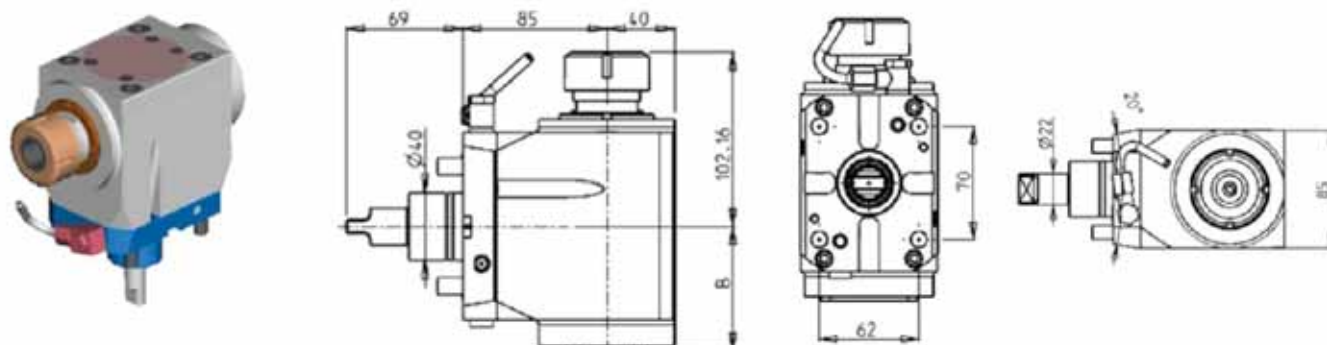
PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	A	A1	B	D	L
MNZ0210120	Axial ER20 Standard H100	ER20	X	1:1	6000		X	98.16		61		
MNZ0210125	Axial ER25 Standard H100	ER25	X	1:1	6000		X	99.16		61		
MNZ0210132	Axial ER32 Standard H100	ER32	X	1:1	6000		X	102.16		61		
MNZ0210225	Axial ER25 H100 Cool Thru*	ER25	X	1:1	6000	X	X	99.16		71		
MNZ0210232	Axial ER32 H100 Cool Thru*	ER32	X	1:1	6000	X	X	102.76		71		
MNZ0211919	Axial Mill Head D=3/4", L=3/4" H100	3/4"X3/4"	X	1:1	6000		X		77	61	3/4"	3/4"
MNZ0211617	Axial Mill Head D=16mm, L=17mm H100	16X17	X	1:1	6000		X		76.5	61	16	17
MNZ0212219	Axial Mill Head D=22mm, L=19mm H100	22X19	X	1:1	6000		X		78.5	61	22	19
MNZ0212721	Axial Mill Head D=27mm, L=21mm H100	27X21	X	1:1	6000		X		79.5	61	27	21

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

NZ DRIVEN

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION
NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

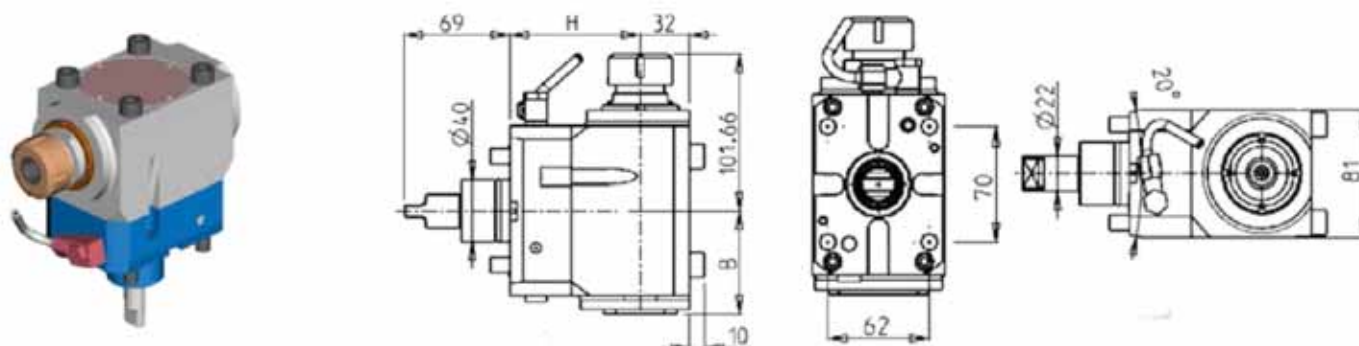
AXIAL GEARED-DOWN DRIVEN TOOL



PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	B
MNZ0070132	Axial Geared-Down 2:1 ER32	ER32	X	2:1	3000		X	73.5
MNZ0070232	Axial Geared-Down 2:1 ER32 Cool Thru*	ER32	X	2:1	3000	X		83.5

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

AXIAL GEARED-UP DRIVEN TOOL



PartNumber	Description	Spindle	Reversible	I	RPM	Cool Thru	Ext Cool	H	B
MNZ0080125	Axial Geared-Up 1:2 ER25 H85	ER25	X	1:2	12000		X	85	67
MNZ0081125	Axial Geared-Up 1:2 ER25 H100	ER25	X	1:2	12000		X	100	67
MNZ0080225	Axial Geared-Up 1:2 ER25 H85 Cool Thru*	ER25	X	1:2	12000	X	X	85	77
MNZ0081225	Axial Geared-Up 1:2 ER25 H100 Cool Thru*	ER25	X	1:2	12000	X	X	100	77

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

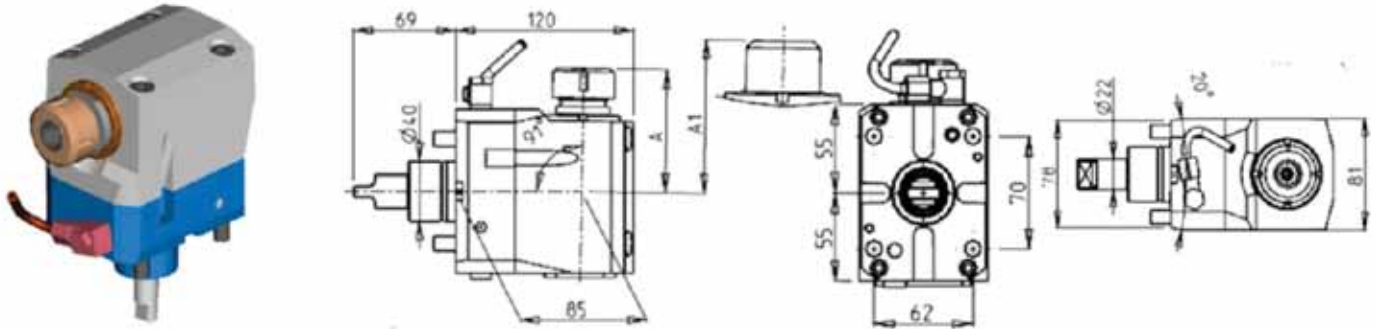
NZ DRIVEN

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION

NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

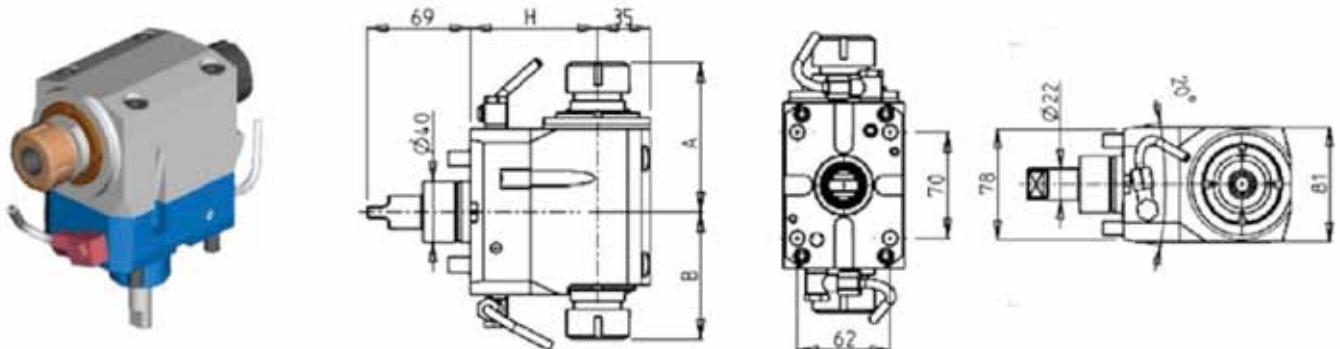
AXIAL DRIVEN TOOL FOR INTERNAL POLYGON MAKING 85mm INTERAXIS

Please See Accessories for Polygon Making Mill Heads



PartNumber	Description	Spindle	Reversible	I	RPM	Ext Cool	A	A1
MNZ0239125	Axial Internal Polygon Making ER25	ER25	X	1:1	6000	X	82.36	
MNZ0239108	Axial Internal Polygon Making Weldon 8	Weldon 8	X	1:1	6000	X		76.5
MNZ0239110	Axial Internal Polygon Making Weldon 10	Weldon 10	X	1:1	6000	X		76.5
MNZ0239112	Axial Internal Polygon Making Weldon 12	Weldon 12	X	1:1	6000	X		76.5
MNZ0239116	Axial Internal Polygon Making Weldon 16	Weldon 16	X	1:1	6000	X		73.5

AXIAL OPPOSITE FACE TWIN DRIVEN TOOL



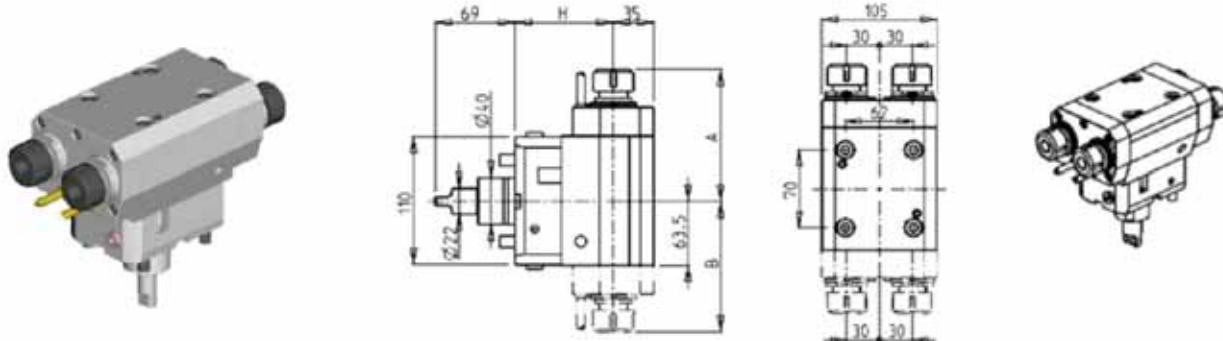
PartNumber	Description	Mori Ref	Spindle	Reversible	I	RPM	Ext Cool	A	B	H
MNZ0010325	Opp. Face Double Outlet ER25/ER25 H85	T32276	ER25+ER25	X	1:1	6000	X	85.16	99.16	85
MNZ0010332	Opp. Face Double Outlet ER32/ER32 H85		ER32+ER32	X	1:1	6000	X	88.16	102.16	85
MNZ0210325	Opp. Face Double Outlet ER25/ER25 H100		ER25+ER25	X	1:1	6000	X	85.16	99.16	100
MNZ0210332	Opp. Face Double Outlet ER32/ER32 H100		ER32+ER32	X	1:1	6000	X	88.16	102.16	100

NZ DRIVEN

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION

NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

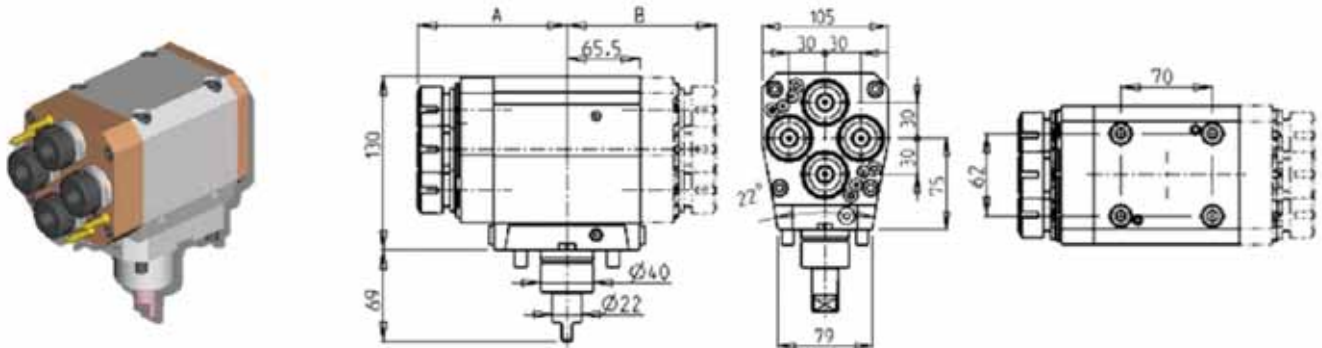
AXIAL MULTIPLE 2/4 OUTLET DRIVEN TOOL



PartNumber	Description	# of Tools	Reversible	Spindle	I	RPM	Ext Cool	A	B	H
MNZ0040316	Axial Y-Axis Double Outlet ER16A H85	2	X	ERA16	1:1	6000	X	96.63		85
MNZ0040320	Axial Y-Axis Double Outlet ER20 H85	2	X	ER20	1:1	6000	X	113.16		85
MNZ0040416	Axial Y-Axis 2+2 Outlet ER16A H85	4	X	ER16A	1:1	6000	X	96.63	96.63	85
MNZ0040420	Axial Y-Axis 2+2 Outlet ER20 H85	4	X	ER20	1:1	6000	X	113.16	113.16	85
MNZ0041316	Axial Y-Axis Double Outlet ER16A H100	2	X	ERA16	1:1	6000	X	96.63		100
MNZ0041320	Axial Y-Axis Double Outlet ER20 H100	2	X	ER20	1:1	6000	X	113.16		100
MNZ0041416	Axial Y-Axis 2+2 Outlet ER16A H100	4	X	ERA16	1:1	6000	X	96.63	96.63	100
MNZ0041420	Axial Y-Axis 2+2 Outlet ER20 H100	4	X	ER20	1:1	6000	X	113.16	113.16	100

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION NLX1500/2000/2500 20 STATION DURATURN 2050MC/2550MC

AXIAL MULTIPLE 4/8 OUTLET DRIVEN TOOL

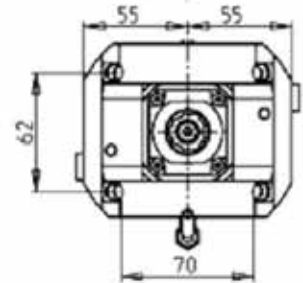
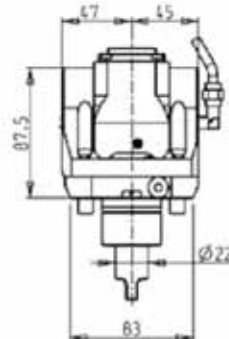
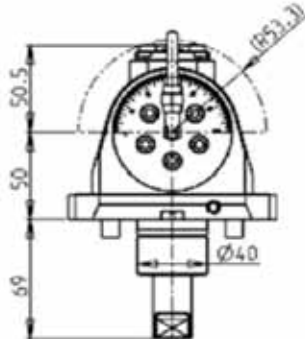


PartNumber	Description	# of Tools	Reversible	Spindle	I	RPM	Ext Cool	A	B
MNZ0040116	Axial 4-Outlet ER16A	4	X	ERA16	1:1	6000	X	96.63	
MNZ0040120	Axial 4-Outlet ER20	4	X	ER20	1:1	6000	X	113.16	
MNZ0040216	Axial 4+4 Outlet ER16A	8	X	ERA16	1:1	6000	X	96.63	96.63
MNZ0040220	Axial 4+4 Outlet ER20	8	X	ER20	1:1	6000	X	113.16	113.16

NZ DRIVEN

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION
NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

0-180 ADJUSTABLE ANGLE DRIVEN TOOL H=50



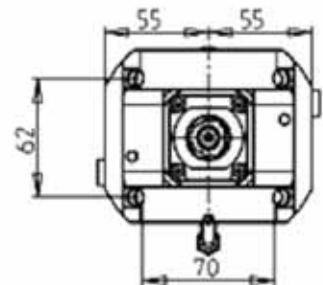
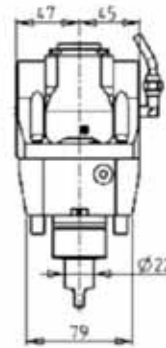
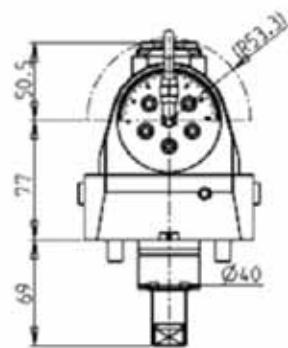
PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool
MNZ0390120	Adj. Angle (0-180) ERA20 H=50	ERA20	1:1	6000		X
MNZ0390220	Adj. Angle (0-180) ERA20 H=50 Cool Thru*	ERA20	1:1	6000	X	X

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

Note :

Wrenches are provided with the purchase of Specialty Toolholders

0-180 ADJUSTABLE ANGLE DRIVEN TOOL H=77



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool
MNZ0391120	Adj. Angle (0-180) ERA20 H=77	ERA20	1:1	6000		X
MNZ0391220	Adj. Angle (0-180) ERA20 H=77 Cool Thru*	ERA20	1:1	6000	X	X

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

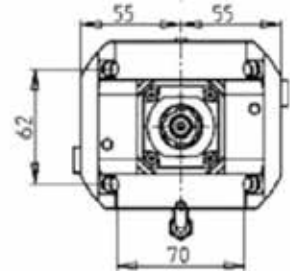
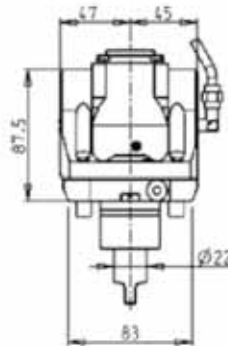
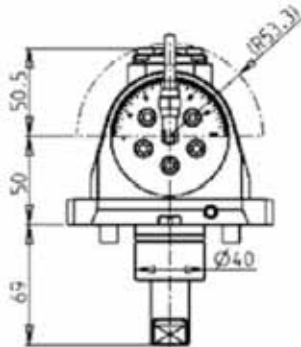
Note :

Wrenches are provided with the purchase of Specialty Toolholders

NZ DRIVEN

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION
NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

0-180 ADJUSTABLE ANGLE DRIVEN TOOL GEARED UP H=50



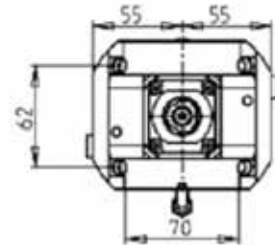
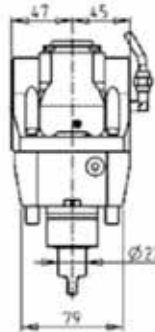
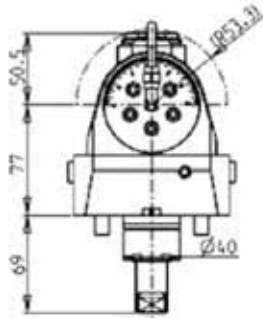
PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool
MNZ0390316	Adj. Angle (0-180) Geared-Up ERA16 H=50	ERA16	1:2	12000		X
MNZ0390416	Adj. Angle (0-180) Geared-Up ERA16 H=50 Cool Thru*	ERA16	1:2	12000	X	X

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

Note :

Wrenches are provided with the purchase of Specialty Toolholders

0-180 ADJUSTABLE ANGLE DRIVEN TOOL GEARED UP H=77



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool
MNZ0391316	Adj. Angle (0-180) Geared-Up ERA16 H=77	ERA16	1:2	12000		X
MNZ0391416	Adj. Angle (0-180) Geared-Up ERA16 H=77 Cool Thru*	ERA16	1:2	12000	X	X

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

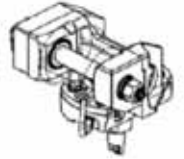
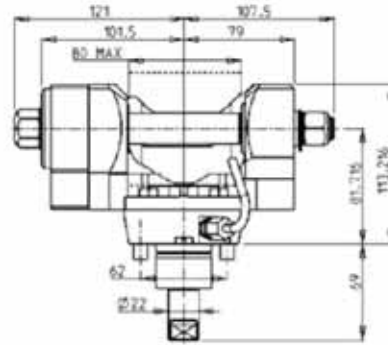
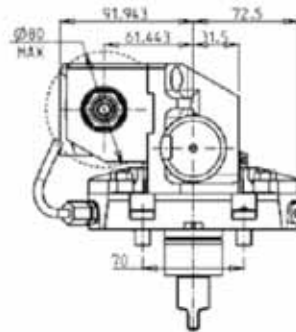
Note :

Wrenches are provided with the purchase of Specialty Toolholders

NZ DRIVEN

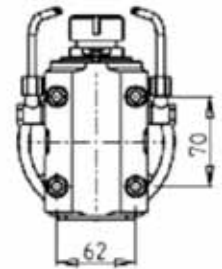
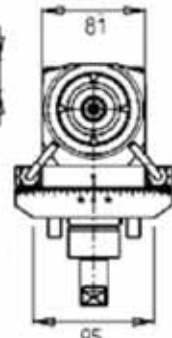
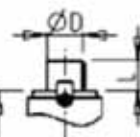
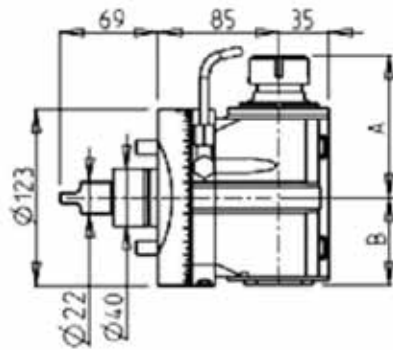
NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION
NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

DRIVEN GEAR HOBBER



PartNumber	Description	I	RPM	Ext Cool	D mm	D Inch
MNZ0201100	Gear Hobbing Tool 1:1	1:1	6000	X	16-22-27-32	3/4"-1"-1 1/4"
MNZ0202100	Gear Hobbing Tool 2:1 Geared Down	2:1	3000	X	16-22-27-32	3/4"-1"-1 1/4"

AXIAL DRIVEN 360 DEGREE ADJUSTABLE TOOL



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1	B	D	L
MNZ0350120	Axial Adj. Angle 360° ER20	ER20	1:1	6000		X	98.16		61		
MNZ0350125	Axial Adj. Angle 360° ER25	ER25	1:1	6000		X	99.16		61		
MNZ0350132	Axial Adj. Angle 360° ER32	ER32	1:1	6000		X	102.76		61		
MNZ0350225	Axial Adj. Angle 360° ER25 Cool Thru*	ER25	1:1	6000	X	X	99.16		71		
MNZ0350232	Axial Adj. Angle 360° ER32 Cool Thru*	ER32	1:1	6000	X	X	102.76		71		
MNZ0351919	Axial Adj. Angle 360° Mill Head 3/4"x3/4"	3/4"x3/4"	1:1	6000		X		77	61	3/4"	3/4"
MNZ0351617	Axial Adj. Angle 360° Mill Head 16x17	16x17	1:1	6000		X		76.5	61	16	17
MNZ0352219	Axial Adj. Angle 360° Mill Head 22x19	22x19	1:1	6000		X		78.5	61	22	19
MNZ0352721	Axial Adj. Angle 360° Mill Head 27x21	27x21	1:1	6000		X		79.5	61	27	21

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

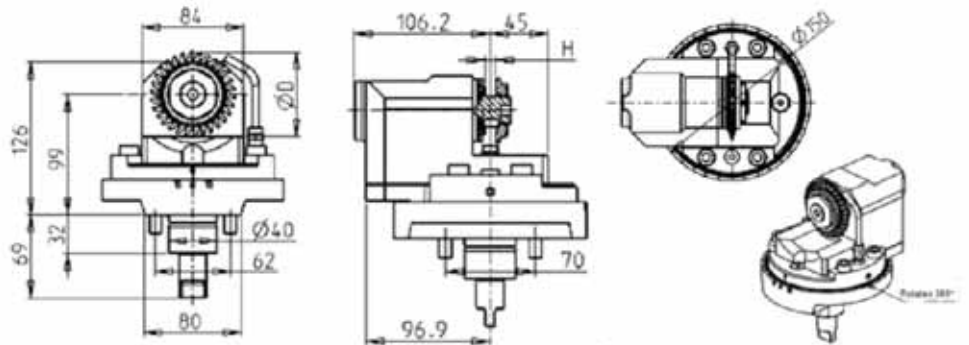
Note :

Wrenches are provided with the purchase of Specialty Toolholders

NZ DRIVEN

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION
NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

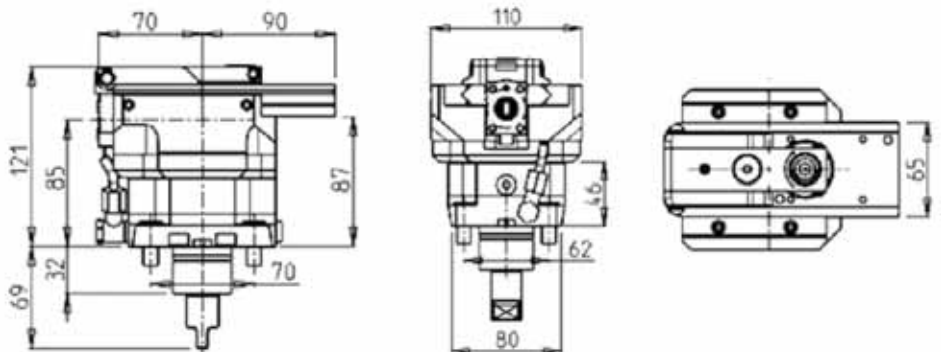
DRIVEN TOOL FOR WORM SCREWS



PartNumber	Description	Spindle	I	RPM	Ext Cool	D	H
MNZ0438022	Driven Tool for Worm Screws D=22mm, L=12mm	22x12	1:1	6000	X	63-70-80	Max 12
MNZ0438125	Driven Tool for Worm Screws D=1", L=12mm	1"x12	1:1	6000	X	63-70-80	Max 12

NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION NLX1500/2000/2500 20 STATION DURATURN 2050MC/2550MC

BROACHING TOOL

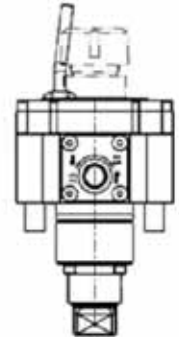
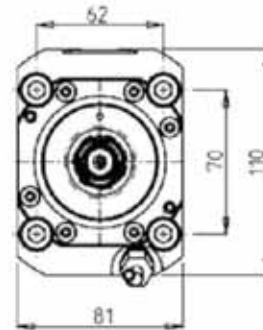
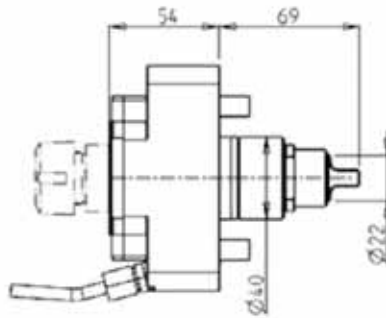


PartNumber	Description	Reversible	I	RPM	Ext Cool
MNZ0420100	Broaching / Slotting Tool I=4:1	X	4:1	2000	X

NZ CAPTO DRIVEN

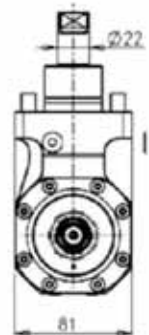
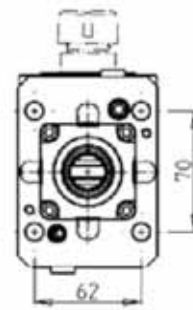
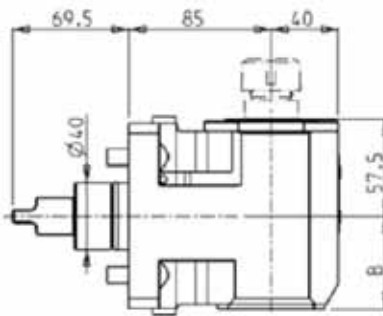
NZ1500/2000 - NZX1500/2000 - NT3000 SERIES - NL1500/2000 20 STATION - LX1500/2000/2500 20 STATION
NT1000/2000 - NTX1000/2000 - DURATURN 2050MC/2550MC

RADIAL DRIVEN COROMANT-CAPTO



PartNumber	Description	Capto Size	I	RPM	Ext Cool
MNZ0330130	Axial Capto C3	C3	1:1	6000	X

AXIAL DRIVEN COROMANT-CAPTO



PartNumber	Description	Reversible	Capto Size	I	RPM	Cool Thru	Ext Cool	B
MNZ0320130	Axial Capto C3	X	C3	1:1	6000		X	55.5
MNZ0320140	Axial Capto C4	X	C4	1:1	6000		X	55.5
MNZ0320230	Axial Capto C3	X	C3	1:1	6000	X	X	69
MNZ0320240	Axial Capto C4	X	C4	1:1	6000	X	X	69

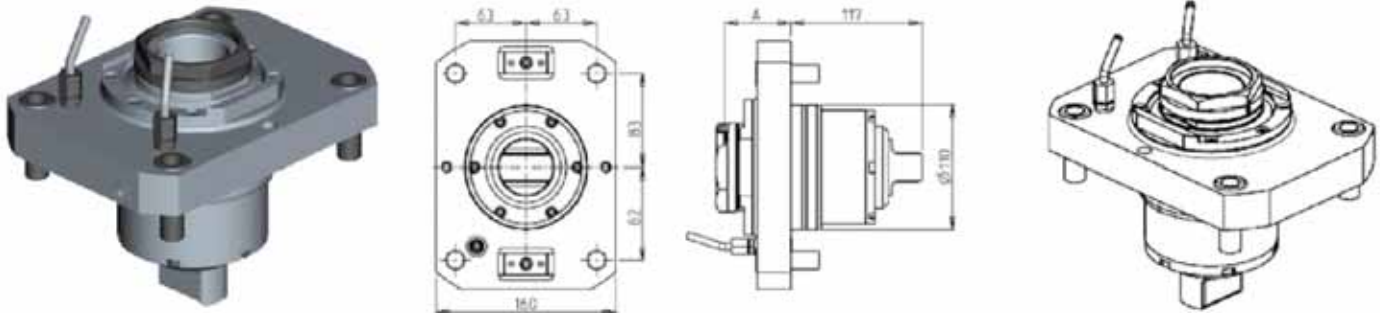
* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

NZL DRIVEN

NZL6000 - NLX6000

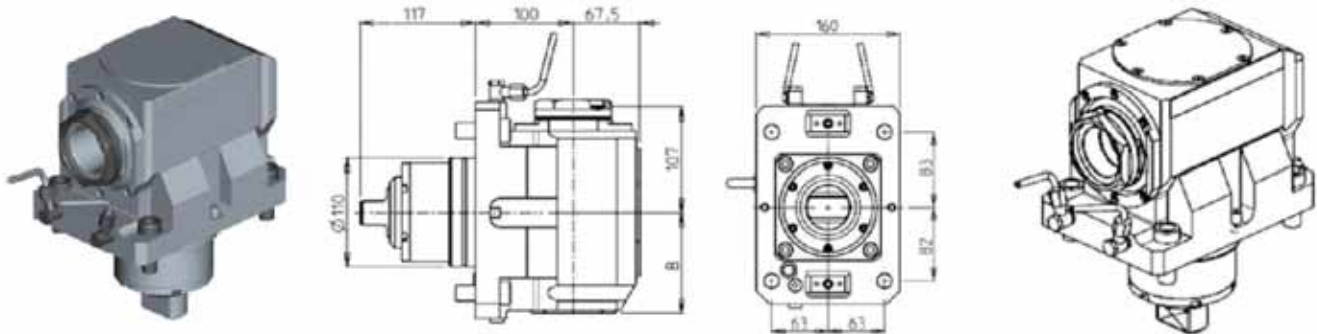
RADIAL DRIVEN MTSK 63

Please see Accessories for MTSK Clamping Units



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A
NZL0020163	Radial MTSK-63 RPM-3500	MTSK-63	1:1	3500		X	59
NZL0020363	Radial MTSK-63 RPM-6500	MTSK-63	1:1	6500		X	59

AXIAL DRIVEN MTSK 63



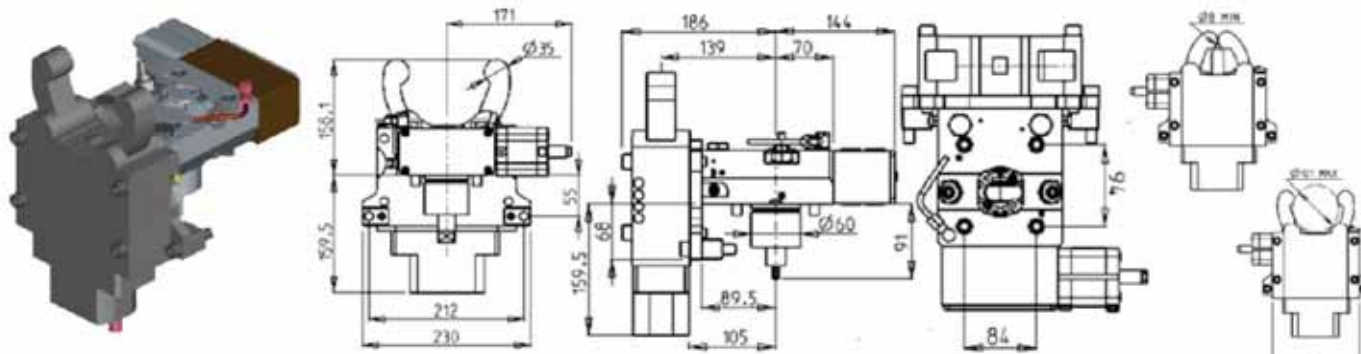
PartNumber	Description	Spindle	I	Cool Thru	Ext Cool	B
NZL0010163	Axial MTSK-63, RPM-3500	MTSK-63	1:1		X	102.5
NZL0010363	Axial MTSK-63, RPM-6500	MTSK-63	1:1		X	102.5
NZL0010263	Axial MTSK-63, RPM-3500 Cool Thru*	MTSK-63	1:1	X	X	119
NZL0010463	Axial MTSK-63, RPM-6500 Cool Thru*	MTSK-63	1:1	X	X	119

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

STEADY REST

NZL2000/2500 - NZX2500 - NT4000/5000 SERIES

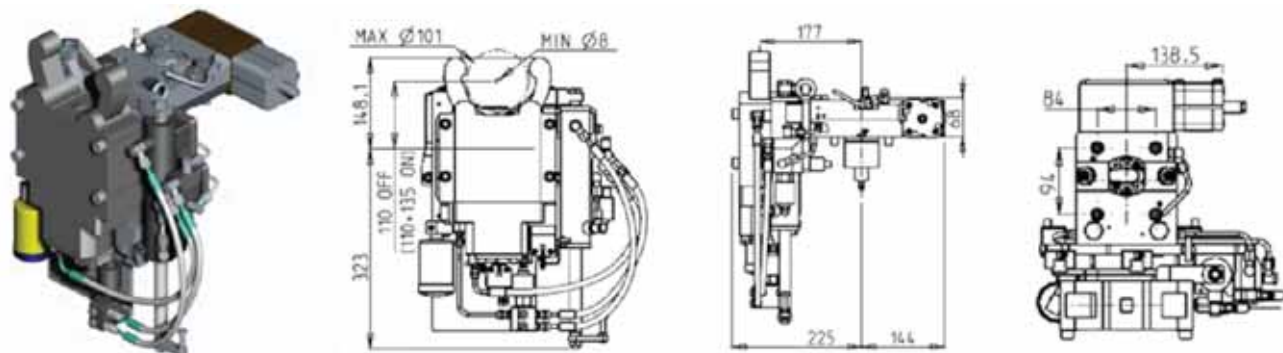
TURRET MOUNTED COMPACT STEADY REST - Size 2



PartNumber	Description	Size	Capacity	I	RPM	Ext Cool	Safe Check
MNL0560100	Compact Steady Rest- Size 2	SLU-2	8mm/101mm	1:1	6000	X	NO
MNL0560100A	Compact Steady Rest- Size 2 with Electronics	SLU-2	8mm/101mm	1:1	6000	X	YES

* Safe Check is a wireless system that sends a signal to the control
To tell the machine if the Steady Rest is in a safe position to index the Turret.

TURRET MOUNTED SLIDING STEADY REST SLU-2



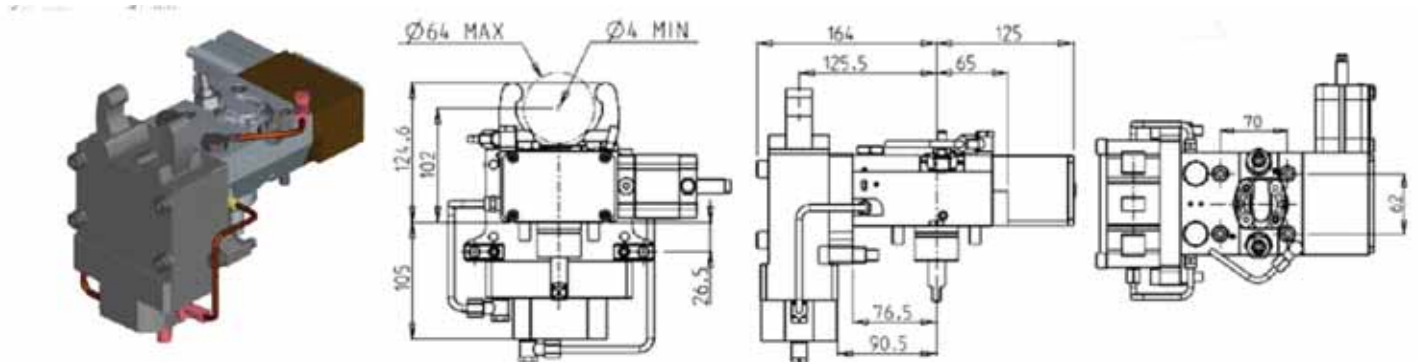
PartNumber	Description	Size	Capacity	I	RPM	Ext Cool	Safe Check
MNL0560300	Sliding Steady Rest - Size 2	SLU-2	8mm/101mm	1:1	6000	X	NO
MNL0560300A	Sliding Steady Rest- Size 2 with Electronics	SLU-2	8mm/101mm	1:1	6000	X	YES

* Safe Check is a wireless system that sends a signal to the control
To tell the machine if the Steady Rest is in a safe position to index the Turret.

STEADY REST

NZ 1500/2000

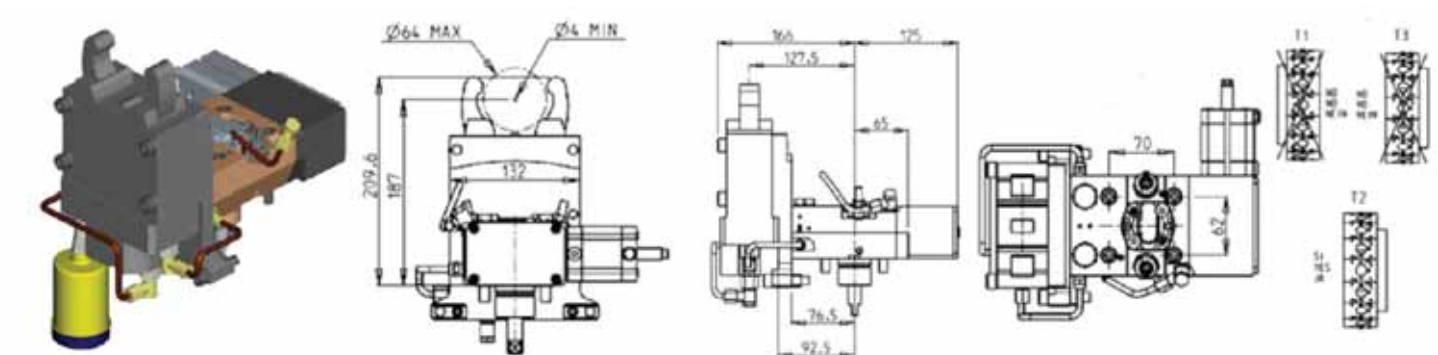
DRIVEN STEADY REST- SIZE 1



PartNumber	Description	Size	Capacity	I	RPM	Ext Cool	Safe Check
MNZ0310100	Driven Steady Rest- Size 1	SLU-1	4mm/64mm	1:1	6000	X	NO
MNZ0310100A	Driven Steady Rest- Size 1 with Electronics	SLU-1	4mm/64mm	1:1	6000	X	YES

* Safe Check is a wireless system that sends a signal to the control
To tell the machine if the Steady Rest is in a safe position to index the Turret.

EXTENDED STEADY REST- SIZE 1



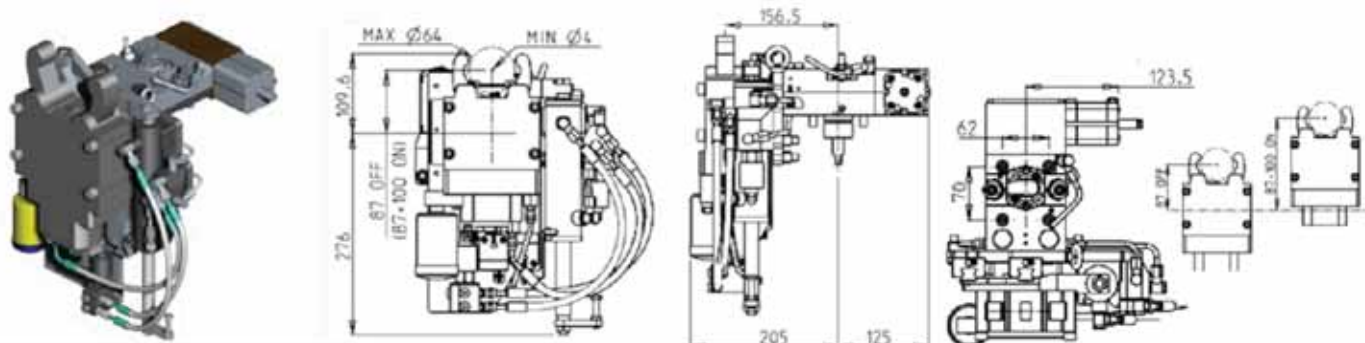
PartNumber	Description	Size	Capacity	I	RPM	Ext Cool	Safe Check
MNZ0310200	Extended Steady Rest- Size 1	SLU-1	4mm/64mm	1:1	6000	X	NO
MNZ0310200A	Extended Steady Rest- Size 1 with Electronics	SLU-1	4mm/64mm	1:1	6000	X	YES

* Safe Check is a wireless system that sends a signal to the control
To tell the machine if the Steady Rest is in a safe position to index the Turret.

STEADY REST

NZ 1500/2000

DRIVEN TOOLHOLDER FOR SLIDING STEADY REST - SIZE 1

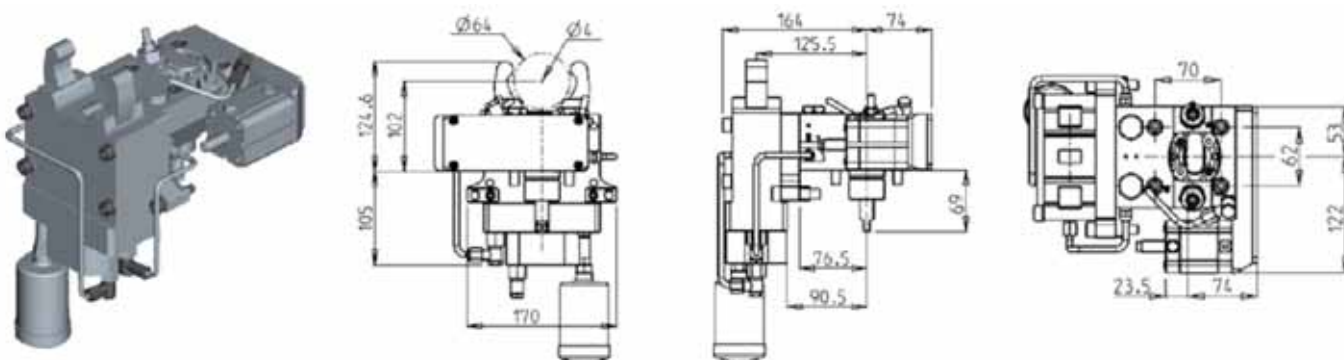


PartNumber	Description	Size	Capacity	I	RPM	Ext Cool	Safe Check
MNZ0310300	Sliding Steady Rest- Size 1	SLU-1	4mm/64mm	1:1	6000	X	NO
MNZ0310300A	Sliding Steady Rest- Size 1 with Electronics	SLU-1	4mm/64mm	1:1	6000	X	YES

* Safe Check is a wireless system that sends a signal to the control
To tell the machine if the Steady Rest is in a safe position to index the Turret.

NT3000 SERIES - NT1000/2000 - NTX1000/2000

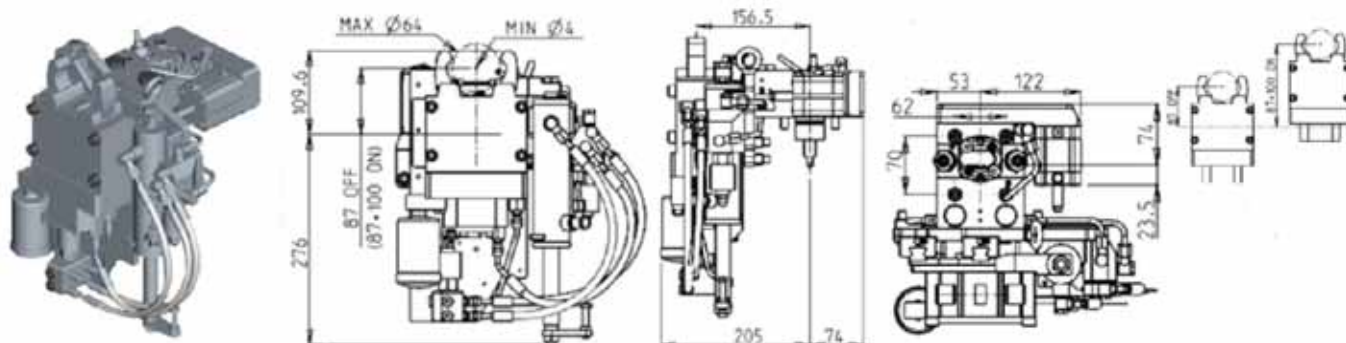
COMPACT STEADY REST- SIZE 1



PartNumber	Description	Size	Capacity	I	RPM	Ext Cool	Safe Check
MNZ0310150	Compact Steady Rest- Size 1	SLU-1	4mm/64mm	1:1	6000	X	NO
MNZ0310150A	Compact Steady Rest -Size 1 with Electronics	SLU-1	4mm/64mm	1:1	6000	X	YES

* Safe Check is a wireless system that sends a signal to the control
To tell the machine if the Steady Rest is in a safe position to index the Turret.

DRIVEN TOOLHOLDER FOR SLIDING STEADY REST- SIZE 1



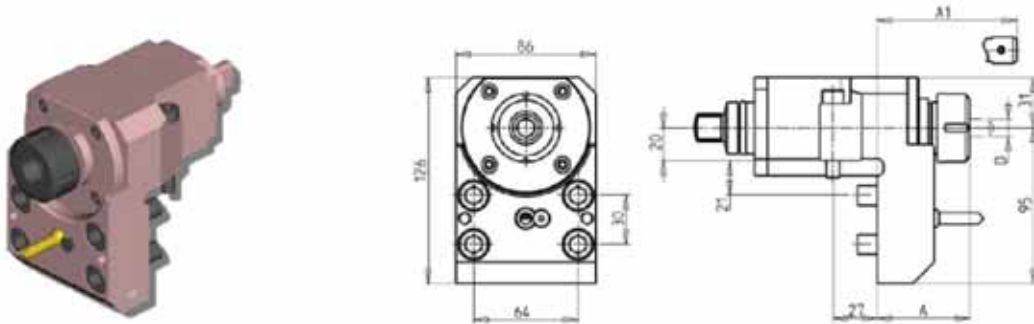
PartNumber	Description	Size	Capacity	I	RPM	Ext Cool	Safe Check
MNZ0310350	Sliding Steady Rest- Size 1	SLU-1	4mm/64mm	1:1	6000	X	NO
MNZ0310350A	Sliding Steady Rest- Size 1 with Electronics	SLU-1	4mm/64mm	1:1	6000	X	YES

* Safe Check is a wireless system that sends a signal to the control To tell the machine if the Steady Rest is in a safe position to index the Turret.

SL-DL-ZL DRIVEN

SL-ZL150/153/154 (MC-SMC-Y-SY) DL150MC DL15MC

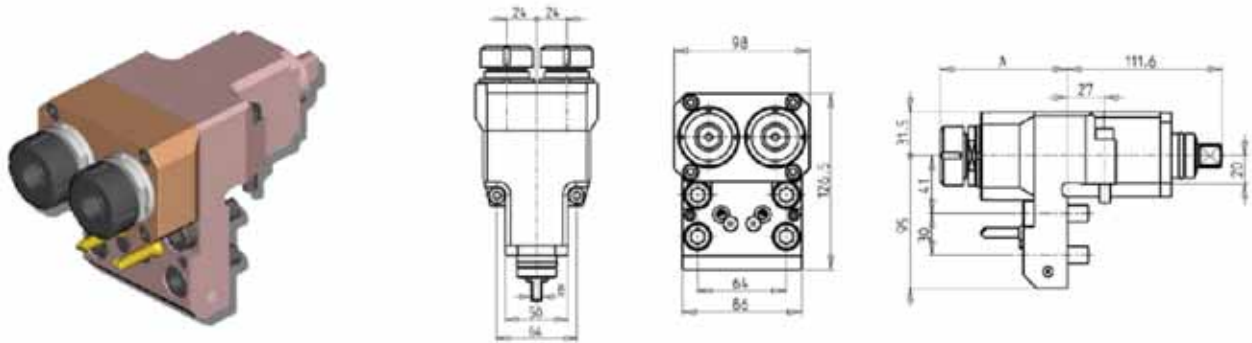
RADIAL DRIVEN TOOL



PartNumber	Description	Mori Ref	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1	D Max	D Min
M0020225	Radial ER25 Standard	T32107B05	ER25	1:1	6000		X	56.96		16	1
M0020132	Radial ER32 Standard		ER32	1:1	6000		X	65.96		19	2
M0021225	Radial ER25 Cool Thru*		ER25	1:1	6000	X		71.46		16	1
M0020325	Radial Weldon 25 Standard		Weldon 25	1:1	6000		X		76.8		

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

RADIAL SINGLE SIDE TWIN HEAD DRIVEN TOOL

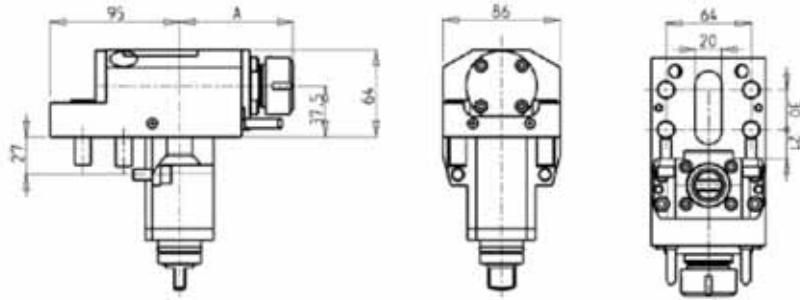


PartNumber	Description	Spindle	I	RPM	Ext Cool	A
MSL0020216	Radial Double Outlet ER16	ER16	1:1	6000	X	91.5
MSL0020225	Radial Double Outlet ER25	ER25	1:1	6000	X	91.96

SL-DL-ZL DRIVEN

SL-ZL150/153/154 (MC-SMC-Y-SY) DL150MC DL15MC

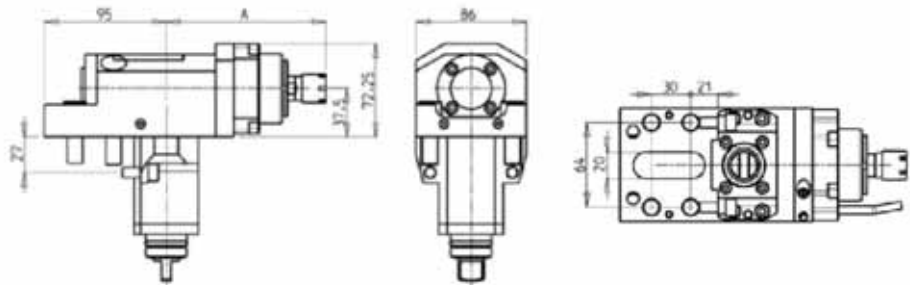
AXIAL DRIVEN TOOL



PartNumber	Description	Mori Ref	Spindle	I	RPM	Cool Thru	Ext Cool	A
M0040425	Axial ER25 Standard	T32108B07	ER25	1:1	6000		X	83.26
M0041725	Axial ER25 Standard Cool Thru*		ER25	1:1	6000	X		83.26

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

AXIAL GEARED-UP I=5.625 DRIVEN TOOL

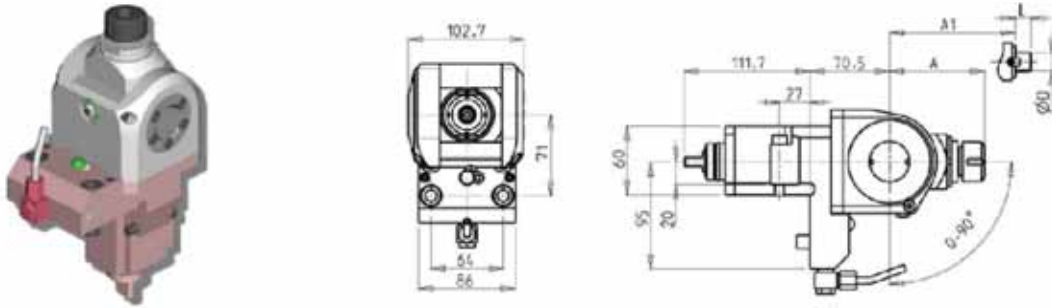


PartNumber	Description	Spindle	I	RPM	Ext Cool	A
M0050016	Axial ER16 Geared Up 1:5.625	ER16	1:5.625	22500	X	124.25

SL-DL-ZL DRIVEN

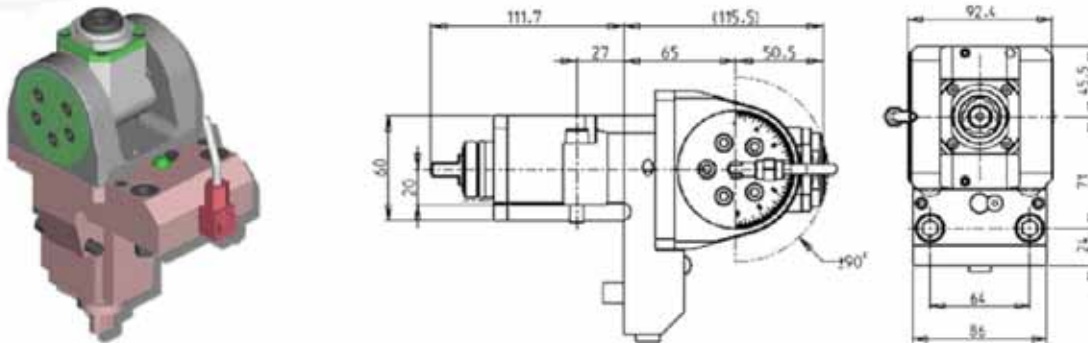
SL-ZL150/153/154 (MC-SMC-Y-SY) DL150MC DL15MC

0-90 ADJUSTABLE ANGLE DRIVEN TOOL



PartNumber	Description	Spindle	I	RPM	Ext Cool	A	A1	D	L
M0070020	Adj. Angle (0-90) ER20	ER20	1:1	6000	X	84.16			
M0070025	Adj. Angle (0-90) ER25	ER25	1:1	6000	X	85.66			
M0071905	Adj. Angle (0-90) Mill Head D=3/4", L=3/4"	3/4"x3/4"	1:1	6000	X		65	3/4"	3/4"
M0071617	Adj. Angle (0-90) Mill Head D=16mm, L=17mm	16x17	1:1	6000	X		65	16	17
M0072219	Adj. Angle (0-90) Mill Head D=22mm, L=19mm	22x19	1:1	6000	X		66	22	19

0-180 ADJUSTABLE ANGLE DRIVEN TOOL ERA20



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool
MSL0110120	Adj. Angle (0-180) ERA20	ERA20	1:1	6000		X
MSL0110220	Adj. Angle (0-180) ERA20 Cool Thru*	ERA20	1:1	6000	X	X

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

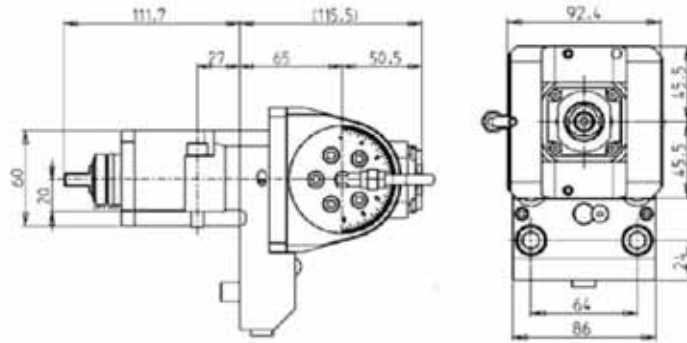
Note :

Wrenches are provided with the purchase of Specialty Toolholders

SL-DL-ZL DRIVEN

SL-ZL150/153/154 (MC-SMC-Y-SY) DL150MC DL15MC

0-180 ADJUSTABLE ANGLE GEARED-UP I=1:2 DRIVEN TOOL



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool
MSL0110316	Adj. Angle (0-180) Geared-Up ERA16	ERA16	1:2	12000		X
MSL0110416	Adj. Angle (0-180) Geared-Up ERA16 Cool Thru*	ERA16	1:2	12000	X	X

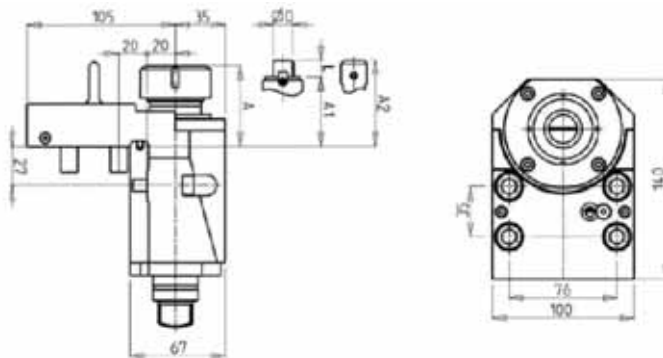
* Coolant Thru tools are designed for 1000 psi.
They require 5 Micron Filtration and **CANNOT** be run dry.

Note :

Wrenches are provided with the purchase of Specialty Toolholders

SL200/203/204/250/253/254(MC-SMC) SL2500Y DL-ZL200/250(MC)

RADIAL DRIVEN TOOL



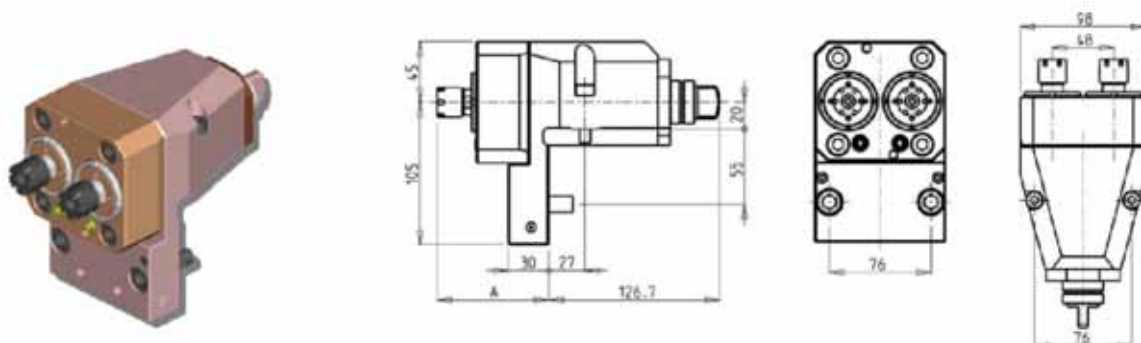
PartNumber	Description	Mori Ref	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1	A2	D	L
M0010125	Radial ER25 Standard		ER25	1:1	6000		X	28.7				
M0010232	Radial ER32 Standard	T32155A05	ER32	1:1	6000		X	56.66				
M0011732	Radial ER32 Cool Thru*		ER32	1:1	6000	X		68.26				
M0012016	Radial Mill Head D=16mm, L=17mm Cool Thru*		16x17	1:1	6000	X			51.6		16	17
M0012125	Radial Weldon 25 Cool Thru*		Weldon 25	1:1	6000	X				79.6		

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

SL-DL-ZL DRIVEN

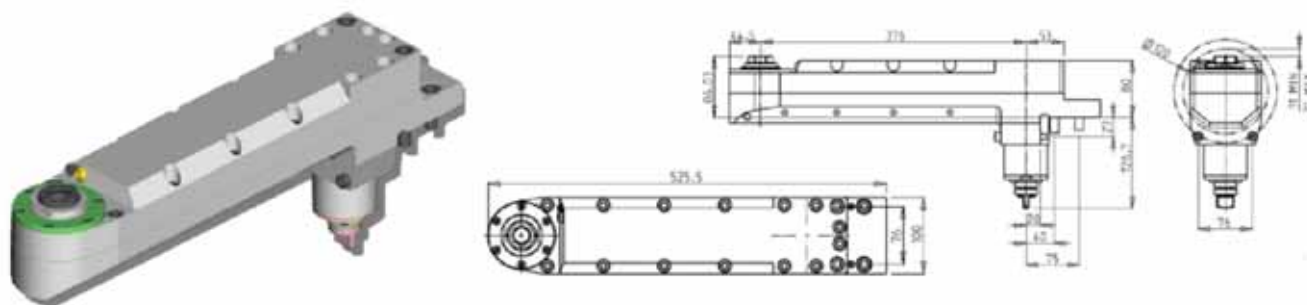
SL200/203/204/250/253/254(MC-SMC) SL2500Y DL-ZL200/250(MC)

RADIAL SINGLE SIDE TWIN HEAD DRIVEN TOOL



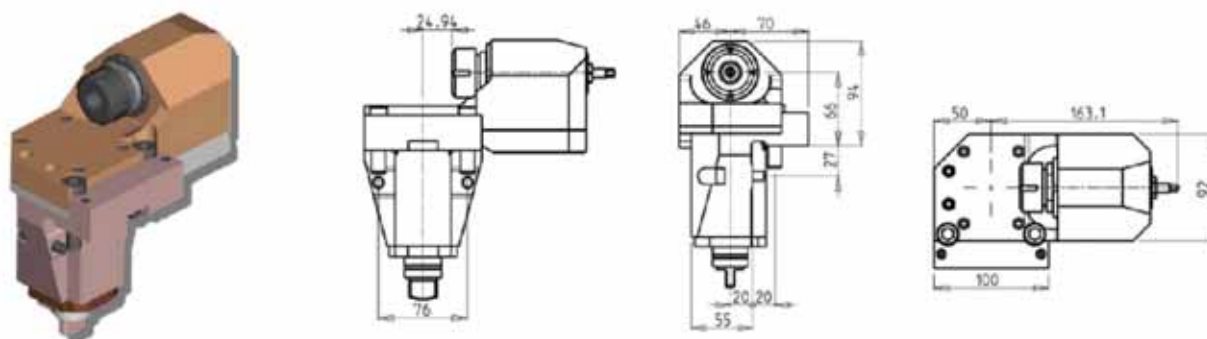
PartNumber	Description	Spindle	I	RPM	Ext Cool	A
M0300016	Radial Single-Side Twin Head Tool ER16	ER16	1:1	6000	X	82.5
M0300025	Radial Single-Side Twin Head ER25	ER25	1:1	6000	X	82.96

RADIAL RE-DIRECTED DRIVEN TOOL 376



PartNumber	Description	Spindle	I	RPM	Ext Cool
MSL0010132	Special Redirected Radial Tool 376	ER32A	1:1	6000	X

RADIAL DRIVEN TOOL IN Y

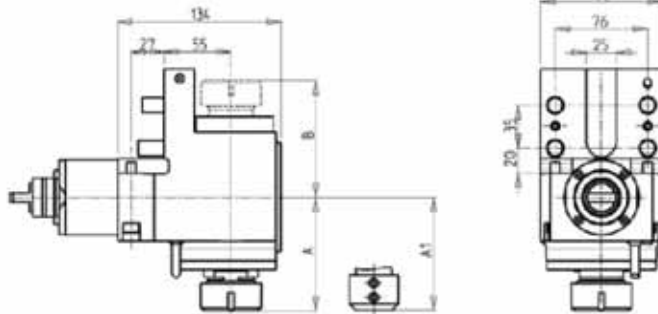


PartNumber	Description	Spindle	I	RPM	Ext Cool
M0230025	Radial Driven ER25 Tool in Y	ER25	1:1	6000	X

SL-DL-ZL DRIVEN

SL200/203/204/250/253/254(MC-SMC) SL2500Y DL-ZL200/250(MC)

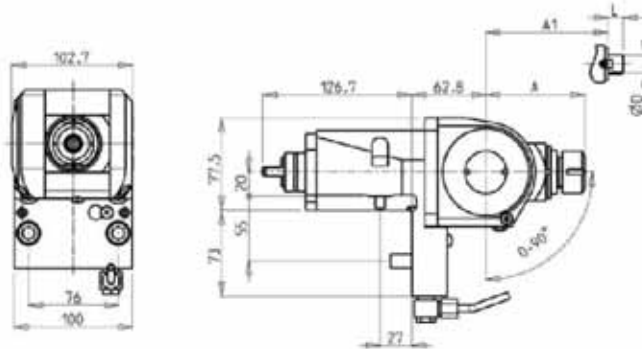
AXIAL DRIVEN TOOL



PartNumber	Description	Mori Ref	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1	B
M0030232	Axial ER32 Standard	T32154A04	ER32	1:1	6000		X	93.26		
M0032032	Axial ER32 Cool Thru*		ER32	1:1	6000	X		93.26		
M0033232	Axial Double Outlet ER32/ER32		ER32/ER32	1:1	6000	X		94.76		109.16
M0032225	Axial Weldon 25 Standard		Weldon 25	1:1	6000		X		105.1	

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

0-90 ADJUSTABLE ANGLE DRIVEN TOOL



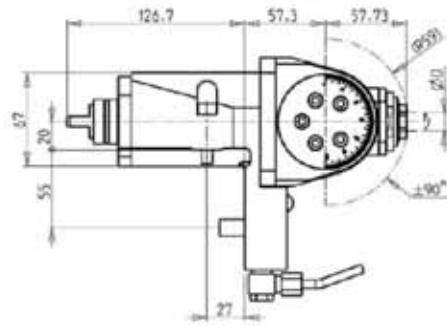
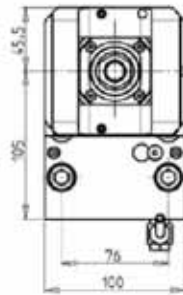
PartNumber	Description	Spindle	I	RPM	Ext Cool	A	A1	D	L
M0060020	Adj. Angle (0-90) ER20	ER20	1:1	6000	X	84.16			
M0060025	Adj. Angle (0-90) ER25	ER25	1:1	6000	X	85.66			
M0061905	Adj. Angle (0-90) Mill Head D=3/4", L=3/4"	3/4"x3/4"	1:1	6000	X		65	3/4"	3/4"
M0061617	Adj. Angle (0-90) Mill Head D=16mm, L=17mm	16x17	1:1	6000	X		65	16	17
M0062219	Adj. Angle (0-90) Mill Head D=22mm, L=19mm	22x19	1:1	6000	X		66	22	19

Note : *Holders available for main or sub spindle orientation
*Wrenches are provided with the purchase of Specialty Toolholders

SL-DL-ZL DRIVEN

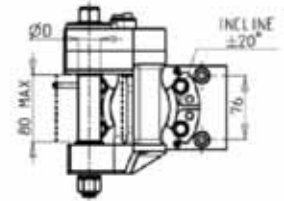
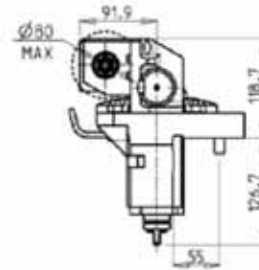
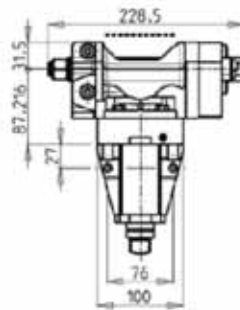
SL200/203/204/250/253/254(MC-SMC) SL2500Y DL-ZL200/250(MC)

0-180 ADJUSTABLE ANGLE DRIVEN TOOL



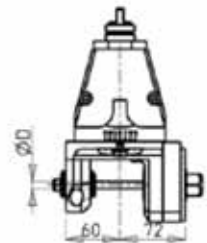
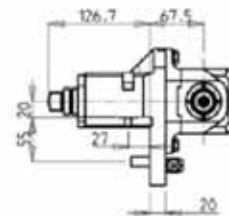
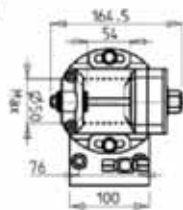
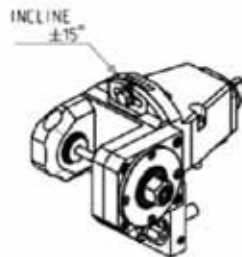
PartNumber	Description	Spindle	I	RPM	Ext Cool
M0220020	Adj. Angle (0-180) ERA20	ERA20	1:1	6000	X

DRIVEN GEAR HOBBER



PartNumber	Description	I	RPM	Ext Cool	D mm	D Inch
M0081100	Gear Hobbing Tool 1:1	1:1	6000	X	16-22-27-32	3/4"-1"-1 1/4"
M0082100	Gear Hobbing Tool 1:2 Geared Down	2:1	3000	X	16-22-27-32	3/4"-1"-1 1/4"

GEAR HOBBER - RADIAL DRIVEN

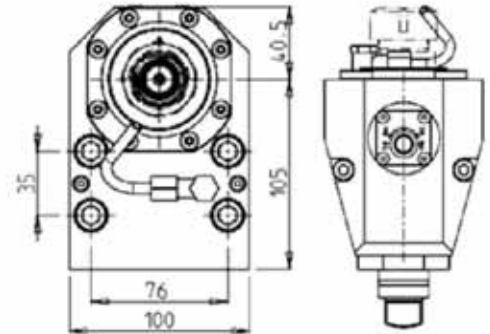
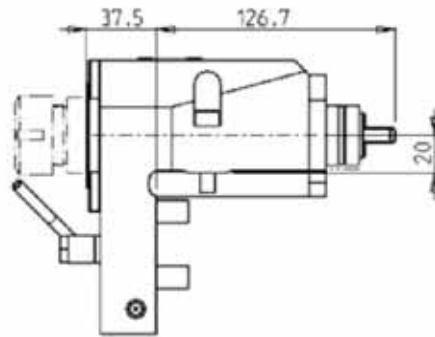


PartNumber	Description	I	RPM	Ext Cool	D mm
M0311108	Gear Hobber - Radial Driven D=8	1:1	6000	X	8
M0311110	Gear Hobber - Radial Driven D=10	1:1	6000	X	10
M0311113	Gear Hobber - Radial Driven D=13	1:1	6000	X	13
M0311116	Gear Hobber - Radial Driven D=16	1:1	6000	X	16

SL-DL-ZL CAPTO DRIVEN

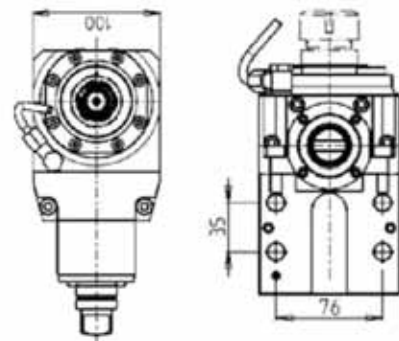
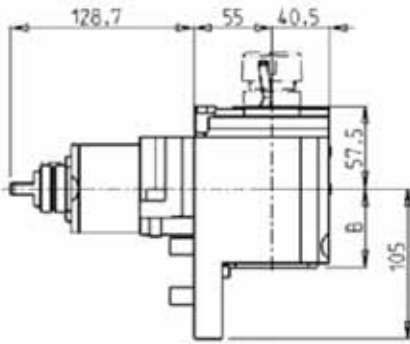
SL200/203/204/250/253/254(MC-SMC) SL2500Y DL-ZL200/250(MC)

RADIAL DRIVEN TOOL COROMANT CAPTO



PartNumber	Description	Capto Size	I	RPM	Ext Cool
MSL0060140	C4 Radial Coromant Capto	C4	1:1	6000	X

AXIAL DRIVEN TOOL COROMANT CAPTO C4



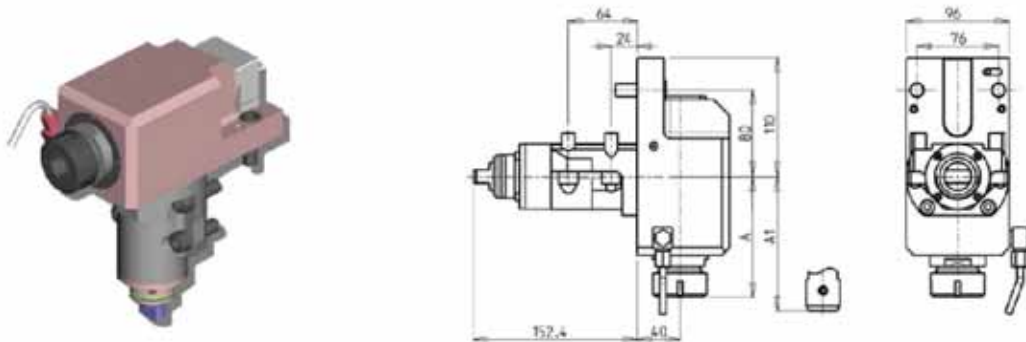
PartNumber	Description	Capto Size	I	RPM	Cool Thru	Ext Cool	B
MSL0050140	C4 Axial Driven Coromant Capto	C4	1:1	6000		X	55
MSL0050240	C4 Axial Driven Coromant Capto Cool Thru*	C4	1:1	6000	X	X	68.5

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

SL-DL-ZL DRIVEN

SL 300 SERIES

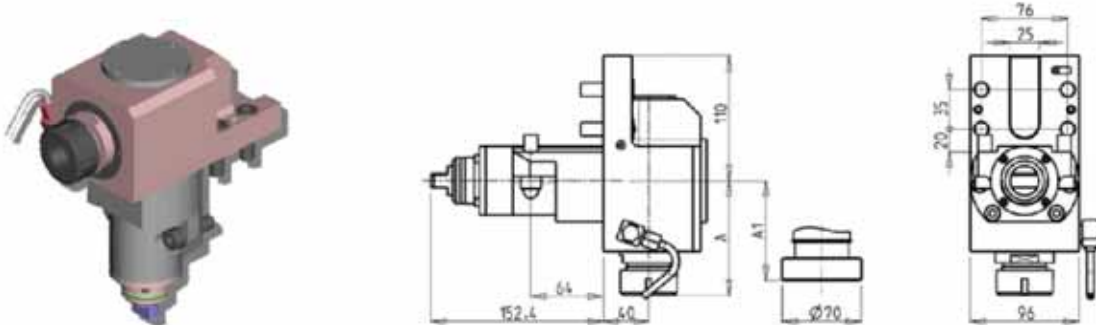
AXIAL DRIVEN TOOL



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1
M0290232	Axial ER32 Standard	ER32	1:1	6000		X	112.16	
M0290132	Axial ER32 with Cool Thru*	ER32	1:1	6000	X	X	112.16	
M0290332	Axial Weldon 32 Cool Thru*	Weldon 32	1:1	6000	X	X		131.5

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

GEARED-DOWN AXIAL DRIVEN TOOL

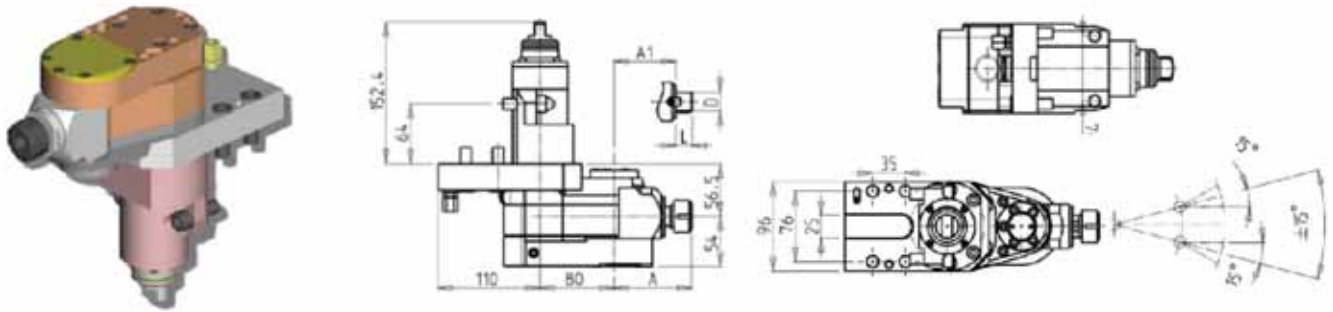


PartNumber	Description	Spindle	I	RPM	Ext Cool	A	A1
M0100832	Axial ER32 Geared-Down	ER32	2:1	3000	X	101.16	
M0100470	Axial Geared-Down 70mm Mill Head	70	2:1	3000	X		98.5

SL-DL-ZL DRIVEN

SL 300 SERIES

ADJUSTABLE ANGLE +/- 15° Y AXIS DRIVEN TOOL

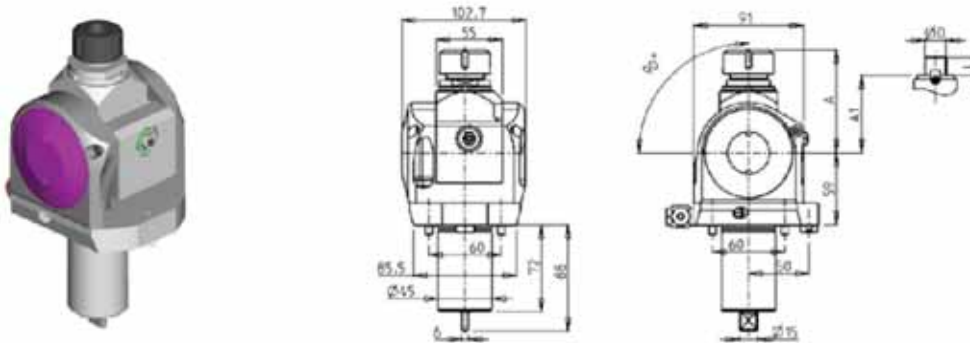


PartNumber	Description	Spindle	I	RPM	Ext Cool	A	A1	D	L
M0110020	Axial Y-Axis Adj. Angle +/- 15° ER20	ER20	1:1	6000	X	84.16			
M0110025	Axial Y-Axis Adj. Angle +/- 15° ER25	ER25	1:1	6000	X	85.66			
M0111617	Axial Y-Axis Adj. Angle +/- 15° Mill Arbor D=16mm, L=17mm	16x17	1:1	6000	X		65	16	17

CL DRIVEN

CL1500/2000

0-90 ADJUSTABLE ANGLE DRIVEN TOOL

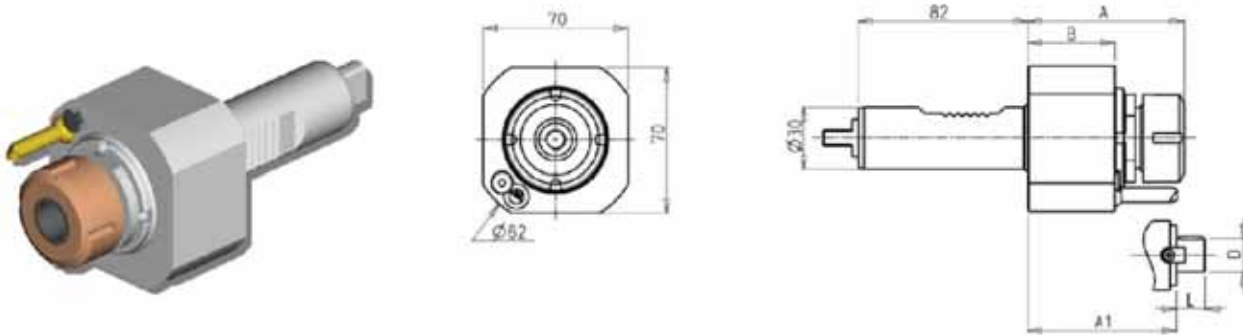


PartNumber	Description	Spindle	I	Ext Cool	A	A1	D	L
MCL0010120	Adj. Angle (0-90) ER20	ER20	1:1	X	84.16			
MCL0010125	Adj. Angle (0-90) ER25	ER25	1:1	X	85.66			
MCL0011905	Adj. Angle (0-90) Mill Head 3/4"x3/4"	3/4"x3/4"	1:1	X		65	3/4"	3/4"
MCL0011617	Adj. Angle (0-90) Mill Head 16mm x 17mm	16x17	1:1	X		65	16	17
MCL0012219	Adj. Angle (0-90) Mill Head 22mm x 19mm	22x19	1:1	X		66	22	19

ZT DRIVEN

ZT1000/1500 12/16 STATION

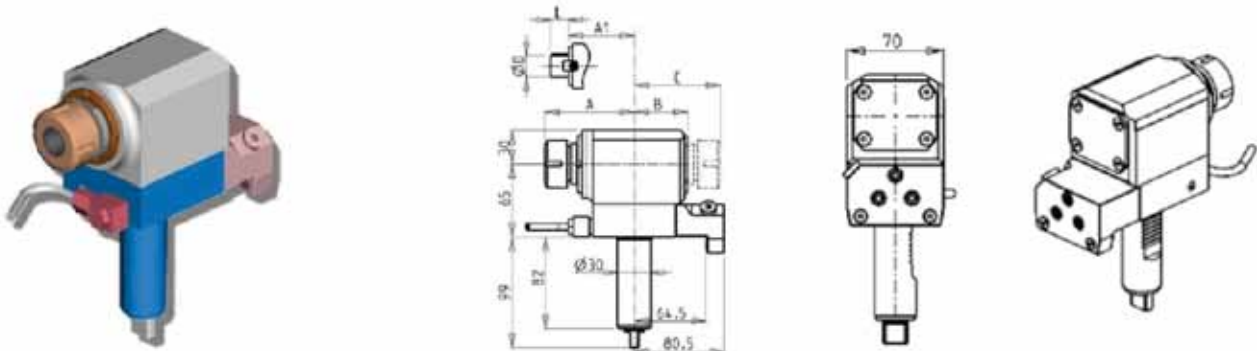
RADIAL DRIVEN TOOL



PartNumber	Description	Mori Ref	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1	B	D	L
M0150125	Radial ER25 Standard	T32405	ER25	1:1	6000		X	75.66	42			
M0151125	Radial ER25 Cool Thru*		ER25	1:1	6000	X		95.66	62			
M0151617	Radial D=16mm, L=17mm		16x17	1:1	6000		X		61	42	16	17
M0152219	Radial D=22mm, L=19mm		22x19	1:1	6000		X		59	42	22	19

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

AXIAL DRIVEN TOOL



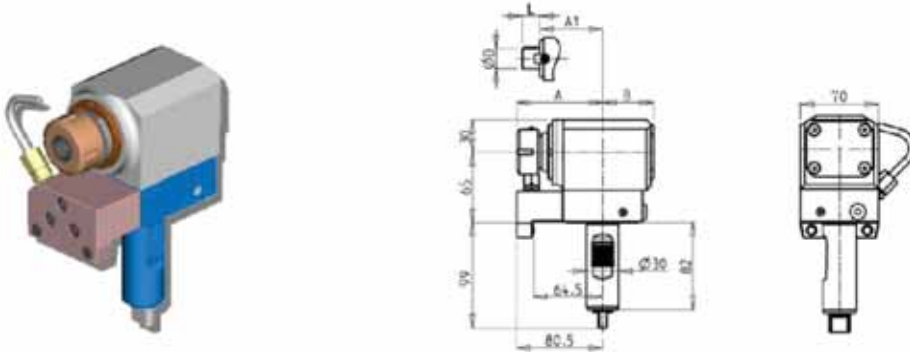
PartNumber	Description	Mori Ref	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1	B	C	D	L
M0121425	Axial ER25 Standard	T32406	ER25	1:1	6000		X	80.16	48				
M0121525	Axial ER25 Cool Thru*	T32415	ER25	1:1	6000	X	X	80.16	71.5				
M0132525	Axial Double Outlet ER25/ER25	T32408	ER25/ER25	1:1			X	80.16			73.66		
M0121617	Axial Mill Head D=16mm, L=17mm		16x17	1:1	6000		X		63	48		16	17
M0122219	Axial Mill Head D=22mm, L=19mm		22x19	1:1	6000		X		63	48		22	19
M0122721	Axial Polygon / Mill Head D=27mm, L=21mm		27x21	1:1	6000		X		65.5	48		27	21

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

ZT DRIVEN

ZT1000/1500 12/16 STATION

AXIAL DRIVEN TOOL SUB SPINDLE SIDE

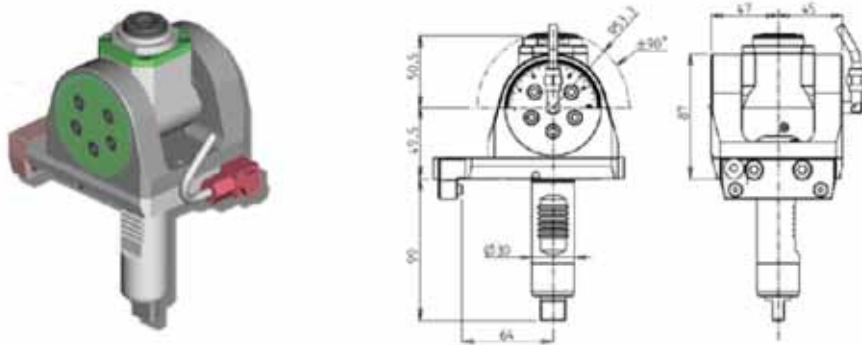


PartNumber	Description	Mori Ref	Spindle	I	RPM	Cool Thru	Ext Cool	A	A1	B	D	L
M0141425	Axial Driven Tool for Sub-Spindle ER25	T32407	ER25	1:1	6000		X	80.16		48		
M0141525	Axial Sub Spindle Mill Head ER25 Cool Thru*		ER25	1:1	6000	X	X	80.16		58		
M0141617	Axial Sub Spindle Mill Head D=16mm, L=17mm		16x17	1:1	6000		X		63	48	16	17
M0142219	Axial Sub Spindle Mill Head D=22mm, L=19mm		22x19	1:1	6000		X		63	48	22	19
M0142721	Axial Sub Spindle Mill Head D=27mm, L=21mm		27x21	1:1	6000		X		65.5	48	27	21

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

ZT1000/1500 12 STATION

0-180 ADJUSTABLE ANGLE DRIVEN TOOL



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool
MZT0050120	Adj. Angle (0-180) ERA20	ERA20	1:1	6000		X
MZT0050220	Adj. Angle (0-180) ERA20 Cool Thru*	ERA20	1:1	6000	X	X

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

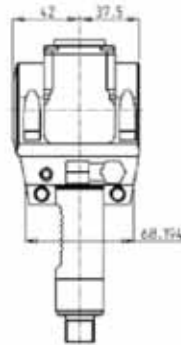
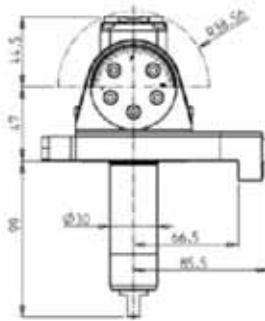
Note :

Wrenches are provided with the purchase of Specialty Toolholders

ZT DRIVEN

ZT1000/1500 12/16 STATION

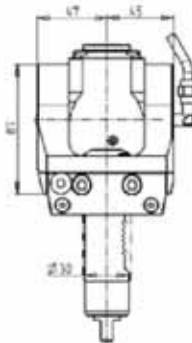
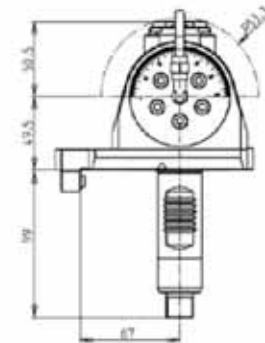
0-180 ADJUSTABLE ANGLE DRIVEN TOOL



PartNumber	Description	Spindle	I	RPM	Ext Cool
MZT0040116	Adj. Angle (0-180) ERA16	ERA16	1:1	6000	X

ZT1000/1500 12 STATION

0-180 ADJUSTABLE ANGLE DRIVEN TOOL GEARED UP



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool
MZT0050316	Adj. Angle (0-180) ERA16	ERA16	1:2	12000		X
MZT0050416	Adj. Angle (0-180) ERA16 Cool Thru*	ERA16	1:2	12000	X	X

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

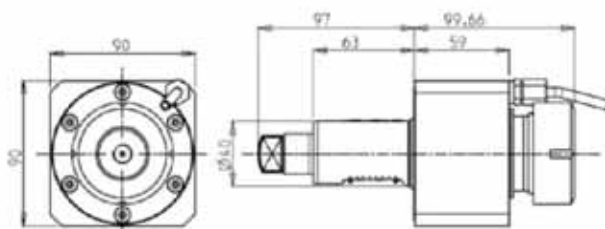
Note :

Wrenches are provided with the purchase of Specialty Toolholders

ZT DRIVEN

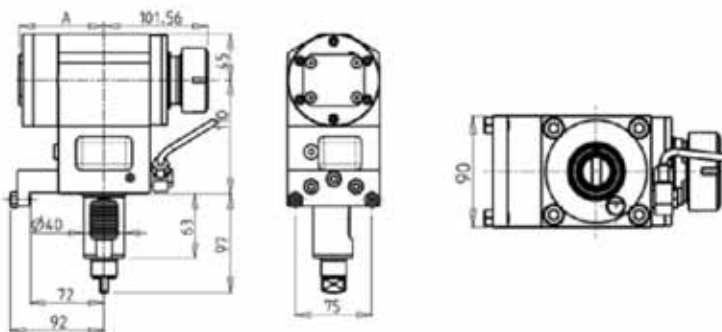
MT2000/2500 - ZT2500

RADIAL DRIVEN TOOL



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A	B
MMT0020140	Radial ER40 Standard	ER40	1:1	6000		X	99.66	59

AXIAL DRIVEN TOOL - MAIN SPINDLE



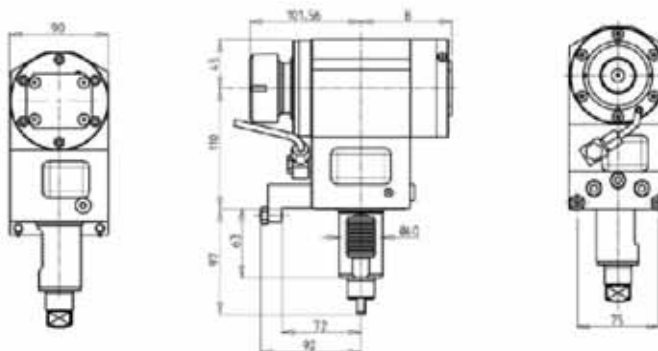
PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A
MMT0010140	Axial ER40 Main Spindle	ER40	1:1	6000		X	82.95
MMT0010340	Axial Main Spindle ER40 Cool Thru*	ER40	1:1	6000	X	X	106.45

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

ZT DRIVEN

MT2000/2500 - ZT2500

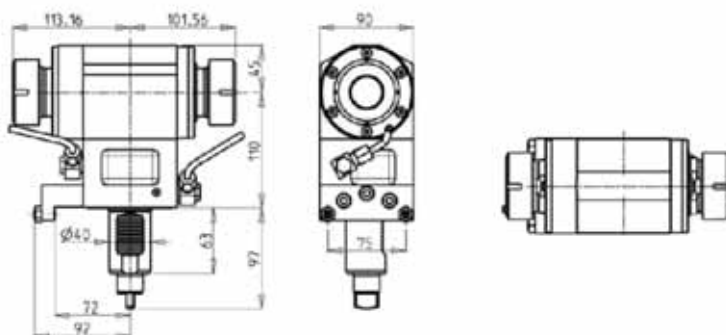
AXIAL DRIVEN TOOL - SUB SPINDLE SIDE



PartNumber	Description	Spindle	I	RPM	Cool Thru	Ext Cool	A
MMT0011040	Axial ER40 Sub Spindle	ER40	1:1	6000		X	82.95
MMT0011140	Axial Sub Spindle ER40 Cool Thru*	ER40	1:1	6000	X	X	106.45

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

OPPOSITE FACE AXIAL DRIVEN TOOL



PartNumber	Description	Spindle	I	RPM	Ext Cool
MMT0010240	Axial ER40+ER40 Main/Sub Spindle	ER40+ER40	1:1	6000	X