

HAAS
**ST-20SS/SSY -
Hybrid VB 24**



High-tech from heimatec - heimatec - Tools and systems for productive turning and milling

heimatec belongs to the international technology and quality leaders for precision tools and specializes in the development and production of high-precision static and live tools for all CNC lathes, CNC turn-/mill machines and CNC machining centers.

The range of products* spans from static BMT and VDI tool holders, live tools up to highly complex customer-specific individual solutions. heimatec, headquartered in Renchen, has a own subsidiary in Asia and India and numerous representatives as well as trading partners all over the world.

*OUR PRODCUTS

Static tool holders

Live tool units

Precision tools

Tools for turning and machining centres

Tools for swiss type lathes

Tool changing and uick-change systems


Tool systems for gear production

Digital tool management


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Part-#	Name	
8 010 46 182	Axial drilling and milling head ER 32 AX UT	
	Weight [kg]:	3.270
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	For hybrid VB24 turret
8 010 46 183	Axial drilling and milling head ER 32 AX UT IC	
	Weight [kg]:	3.300
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	25
	Please note:	For hybrid VB24 turret
8 013 44 006	Axial drilling and milling head ER 16 AX UT	
	Weight [kg]:	2.280
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:4
	Torque max [Nm]:	5
	Rotation max [1/min]:	24000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	For hybrid VB24 turret
8 019 45 078	Axial drilling and milling head ER 25	
	Weight [kg]:	8.060
	Notation:	offset
	Employment for:	Main spindle
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Offset [mm]:	95

Part-#	Name	
8 019 45 123	Axial drilling and milling head ER 25 AX UT	
	Weight [kg]:	7.220
	Notation:	offset
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	16
	Rotation max [1/min]:	15000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
8 019 45 155	Axial drilling and milling head ER 25 AX UT IC	
	Weight [kg]:	7.300
	Notation:	offset
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:3
	Torque max [Nm]:	16
	Rotation max [1/min]:	15000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	50
8 019 46 095	Axial drilling and milling head ER 32 AX UT	
	Weight [kg]:	7.210
	Notation:	offset
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	25
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
8 019 46 163	Axial drilling and milling head ER 32 AX UT IC	
	Weight [kg]:	7.280
	Notation:	offset
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:2

Part-#	Name	
	Torque max [Nm]:	25
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Offset [mm]:	50
8 019 46 220	Axial drilling and milling head ER 32 AX UT	
	Weight [kg]:	8.000
	Notation:	offset
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	stronger bearing
	Offset [mm]:	50
8 030 44 076	Radial drilling and milling head ER 16 AX UT	
	Weight [kg]:	6.400
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:4
	Torque max [Nm]:	5
	Rotation max [1/min]:	24000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	for hybrid VB 24 turret
	Center distance [mm]:	85
8 030 46 325	Radial drilling and milling head ER 32 AX UT	
	Weight [kg]:	5.890
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	50
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Please note:	for hybrid VB 24 turret
	Center distance [mm]:	85

Part-#	Name
8 030 46 326	Radial drilling and milling head ER 32 AX UT IC
	Weight [kg]: 6.470
	Version: left
	Tool drive: Coupling
	Shank size [mm]: 40.00
	Shank type: VDI
	Tool adaption: ER 32 A - u-tec
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 6000
	Rotating direction: opposite
	Coolant: IC/Ext
	Pressure max [bar]: 140
	Please note: for hybrid VB 24 turret
	Center distance [mm]: 85
8 030 46 438	Radial drilling and milling head ER 32 AX UT
	Weight [kg]: 6.040
	Version: left
	Tool drive: Coupling
	Shank size [mm]: 40.00
	Shank type: VDI
	Tool adaption: ER 32 A - u-tec
	Gear ratio [i]: 1:1
	Torque max [Nm]: 50
	Rotation max [1/min]: 6000
	Rotating direction: same
	Coolant: EXT
	Please note: stronger bearing
	Center distance [mm]: 85
8 040 44 082	Universal head ± 90° adjustable ER 16 AX UT
	Version: left
	Tool drive: Coupling
	Shank size [mm]: 40.00
	Shank type: VDI
	Tool adaption: ER 16 A - u-tec
	Gear ratio [i]: 1:1
	Torque max [Nm]: 25
	Rotation max [1/min]: 6000
	Rotating direction: opposite
	Coolant: EXT
	Center distance [mm]: 87
8 040 44 084	Universal head ± 90° adjustable ER 16 AX UT IC
	Version: left
	Tool drive: Coupling
	Shank size [mm]: 40.00
	Shank type: VDI
	Tool adaption: ER 16 A - u-tec
	Gear ratio [i]: 1:1
	Torque max [Nm]: 25
	Rotation max [1/min]: 6000
	Rotating direction: opposite
	Coolant: IC/Ext
	Pressure max [bar]: 140
	Center distance [mm]: 87

Part-#	Name	
8 040 44 086	Universal head ± 90° adjustable ER 16 AX UT	
	Weight [kg]:	5.260
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	12
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	87
8 040 44 088	Universal head ± 90° adjustable ER 16 AX UT IC	
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 16 A - u-tec
	Gear ratio [i]:	1:2
	Torque max [Nm]:	12
	Rotation max [1/min]:	12000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	87
8 040 45 040	Universal head ± 90° adjustable ER 25 AX UT	
	Weight [kg]:	5.490
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	EXT
	Center distance [mm]:	87
8 040 45 075	Universal head ± 90° adjustable ER 25 AX UT IC	
	Weight [kg]:	5.500
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	opposite
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Center distance [mm]:	87

Part-#	Name	
8 043 45 006	Universal head ± 90° adjustable ER 25 AX UT	
	Weight [kg]:	8.090
	Notation:	offset
	Employment for:	Haas VB 24 turret
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	EXT
	Please note:	stronger bearing
	Center distance [mm]:	85
	Offset [mm]:	99
8 043 45 007	Universal head ± 90° adjustable ER 25 AX UT IC	
	Notation:	offset
	Employment for:	Haas VB 24 turret
	Version:	left
	Tool drive:	Coupling
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 25 A - u-tec
	Gear ratio [i]:	1:1
	Torque max [Nm]:	25
	Rotation max [1/min]:	6000
	Rotating direction:	same
	Coolant:	IC/Ext
	Pressure max [bar]:	140
	Please note:	stronger bearing
	Center distance [mm]:	85
	Offset [mm]:	99
8 210 46 018	Tool holder E4-40xER 32	
	Weight [kg]:	1.380
	Shank size [mm]:	40.00
	Shank type:	VDI
	Tool adaption:	ER 32
	Coolant:	IC
	Please note:	For hybrid VB24 turret
8 224 03 006	Cut-off holder SH 32	
	Weight [kg]:	2.090
	Notation:	180° reversible
	Version:	short
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT

Part-#	Name	
8 224 03 007	Cut-off holder SH 32	
	Weight [kg]:	2.090
	Notation:	180° reversible
	Version:	long
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
8 224 03 012	Cut-off holder SH 32	
	Weight [kg]:	2.160
	Notation:	180° reversible
	Version:	Clampshaft on turret center
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Clampshaft SH 32
	Coolant:	EXT
8 224 04 006	Universal turning holder sq. 19,05 (0,75")	
	Weight [kg]:	1.710
	Shank type:	VDI
	Machine adaption:	Centering key b 12 (0,437")
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT
8 224 04 009	Cut-off/turning holder sq. 19,05 (0,75")	
	Weight [kg]:	1.930
	Notation:	180° reversible
	Version:	short
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT
8 224 04 010	Universal turning holder sq. 20	
	Weight [kg]:	1.680
	Shank type:	BMT
	Machine adaption:	Centering key b 12 (0,437")
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 224 04 011	Cut-off/turning holder sq. 20	
	Weight [kg]:	1.900
	Version:	short
	Shank type:	VDI
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 224 04 013	Cut-off/turning holder sq. 19,05 (0,75")	
	Weight [kg]:	3.070
	Notation:	180° reversible
	Version:	long
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT

Part-#	Name	
8 224 04 014	Cut-off/turning holder sq. 20	
	Weight [kg]:	3.030
	Notation:	180° reversible
	Version:	long
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 224 04 024	Universal turning holder sq. 19,05 (0,75")	
	Weight [kg]:	3.970
	Shank type:	HYB
	Machine adaption:	Centering key b 12 (0,437")
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT
8 224 04 033	Universal turning holder sq. 20	
	Weight [kg]:	3.900
	Shank type:	HYB
	Machine adaption:	Centering key b 12 (0,437")
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 224 04 041	Cut-off/turning holder sq. 19,05 (0,75")	
	Notation:	180° reversible
	Version:	long; clampshaft on turret center
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT
8 240 07 006	Boring bar holder Ø 25,4 (1")	
	Weight [kg]:	2.280
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 1" (25,4mm)
	Coolant:	IC/Ext
	Center distance [mm]:	25,4 (1")
8 240 07 007	Boring bar holder Ø 25	
	Weight [kg]:	2.290
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Center distance [mm]:	25,4 (1")
8 240 08 005	Boring bar holder Ø 31,75 (1,25")	
	Weight [kg]:	2.090
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 1 1/4" (31,75mm)
	Coolant:	IC/Ext
	Center distance [mm]:	25,4 (1")

Part-#	Name	
8 240 08 011	Boring bar holder Ø 32	
	Weight [kg]:	2.090
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Center distance [mm]:	25,4 (1")
8 240 09 016	Boring bar holder Ø 38,10 (1,5")	
	Weight [kg]:	3.390
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 1 1/2" (38,1mm)
	Coolant:	IC/Ext
	Center distance [mm]:	38,1(1,5")
8 240 09 023	Boring bar holder Ø 44,45 (1,75")	
	Weight [kg]:	3.150
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 1 3/4" (44,45mm)
	Coolant:	IC/Ext
	Center distance [mm]:	38,1(1,5")
8 240 09 024	Boring bar holder Ø 40	
	Weight [kg]:	3.360
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 40
	Coolant:	IC/Ext
	Center distance [mm]:	38,1(1,5")
8 240 09 026	Boring bar holder Ø 50,8 (2")	
	Weight [kg]:	2.900
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 2" (50,8mm)
	Coolant:	IC/Ext
	Center distance [mm]:	38,1(1,5")
8 244 04 002	Combi facing holder sq. 3/4"	
	Weight [kg]:	1.880
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT

Part-#	Name	
8 244 04 004	Combi facing holder sq. 20	
	Weight [kg]:	1.840
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 251 04 006	Double turning holder sq. 19,05 (0,75")	
	Weight [kg]:	5.160
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Sq. 3/4" (19,05mm)
	Coolant:	EXT
8 251 04 007	Double turning holder sq. 20	
	Weight [kg]:	5.060
	Notation:	180° reversible
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Sq. 20
	Coolant:	EXT
8 251 04 018	Combi multiple holder sq. 3/4"	
	Weight [kg]:	5.050
	Notation:	Y-axes offset; 180° reversible
	Version:	Special
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Sq. 3/4" (19,05mm)
		Sq. 3/4" (19,05mm)
	Coolant:	EXT
8 253 06 000	Double boring bar holder Ø 19,05 (0,75")	
	Weight [kg]:	2.410
	Notation:	180° reversible
	Version:	short
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 3/4" (19,05mm)
	Coolant:	IC/Ext
	Please note:	Center [mm] 31,75(1,25")/86,36(3,4")
8 253 06 001	Double boring bar holder Ø 20	
	Weight [kg]:	2.400
	Notation:	180° reversible
	Version:	short
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 20
	Coolant:	IC/Ext
	Please note:	Center [mm] 31,75(1,25")/86,36(3,4")

Part-#	Name	
8 253 06 002	Double boring bar holder Ø 19,05 (0,75")	
	Weight [kg]:	3.000
	Notation:	180° reversible
	Version:	long
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 3/4" (19,05mm)
	Coolant:	IC/Ext
	Please note:	Center [mm] 60,32(2,375")/114,935(4,525")
8 253 06 003	Multiple boring bar holder Ø 20	
	Weight [kg]:	3.000
	Notation:	180° reversible
	Version:	long
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 20
	Coolant:	IC/Ext
	Please note:	Center [mm] 60,32(2,375")/114,935(4,525")
8 253 07 009	Double boring bar holder Ø 25	
	Weight [kg]:	4.300
	Notation:	180° reversible
	Version:	long, special
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 25
	Coolant:	IC/Ext
	Please note:	Center [mm]:60,325/112,935
8 253 07 010	Double boring bar holder Ø 25,4 (1")	
	Notation:	180° reversible
	Version:	long, special
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 1" (25,4mm)
	Coolant:	IC/Ext
	Please note:	Center [mm]:60,325/112,935
8 253 07 037	Double boring bar holder Ø 31,75 (1,25")	
	Notation:	180° reversible
	Version:	long, special
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 1 1/4" (31,75mm)
	Coolant:	IC/Ext
	Please note:	Center [mm]:60,325/112,935
8 253 08 004	Double boring bar holder Ø 32	
	Weight [kg]:	4.030
	Notation:	180° reversible
	Version:	long, special
	Shank type:	BMT
	Machine adaption:	Centering key slot b 15 (0,591")
	Tool adaption:	Ø 32
	Coolant:	IC/Ext
	Please note:	Center [mm]:60,325/112,935

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ST-20SS/SSY - Hybrid VB 24

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Part-#	Name
8 259 02 002	Combi multiple holder 2x sq. 20
	Weight [kg]: 5.080
	Notation: Y-axis offset
	Shank type: HYB
	Machine adaption: Centering key slot b 15
	Tool adaption: Sq. 20
	Sq. 20
	Coolant: EXT

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