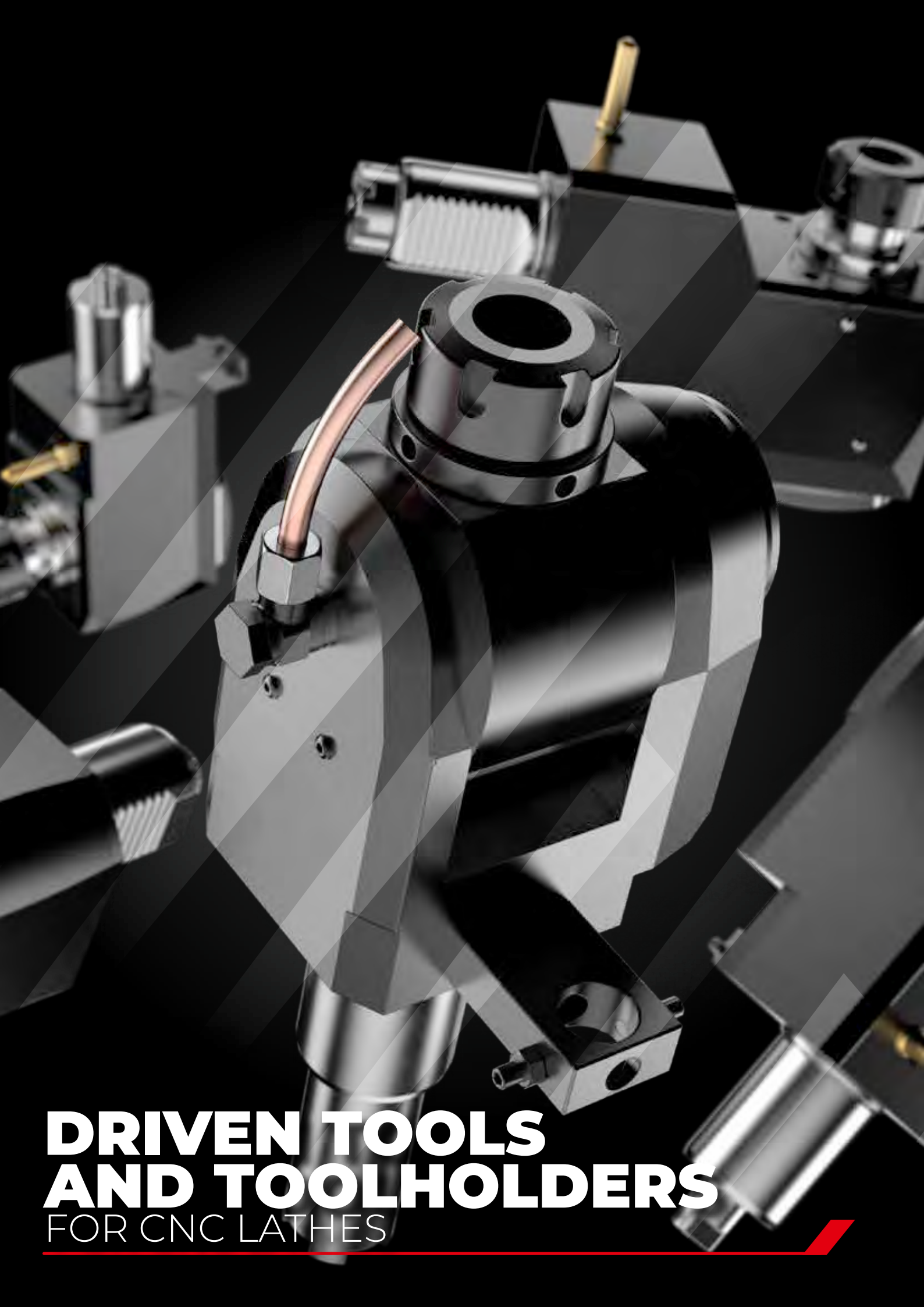


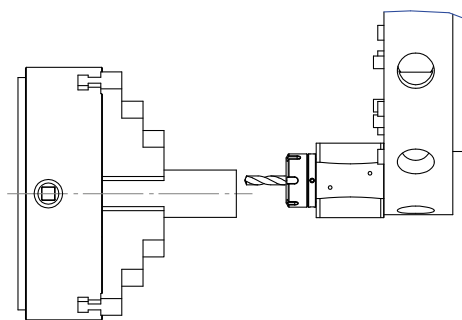


DRIVEN TOOLS AND TOOLHOLDERS

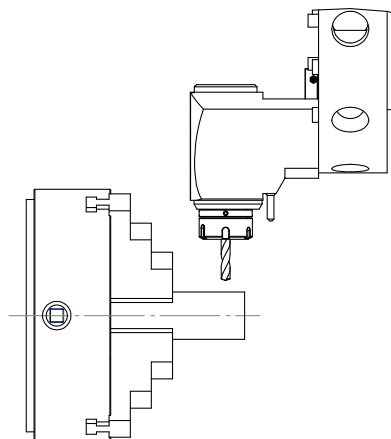
FOR CNC LATHES

OPERATIONS WITH VDI STAR - TYPE TURRET

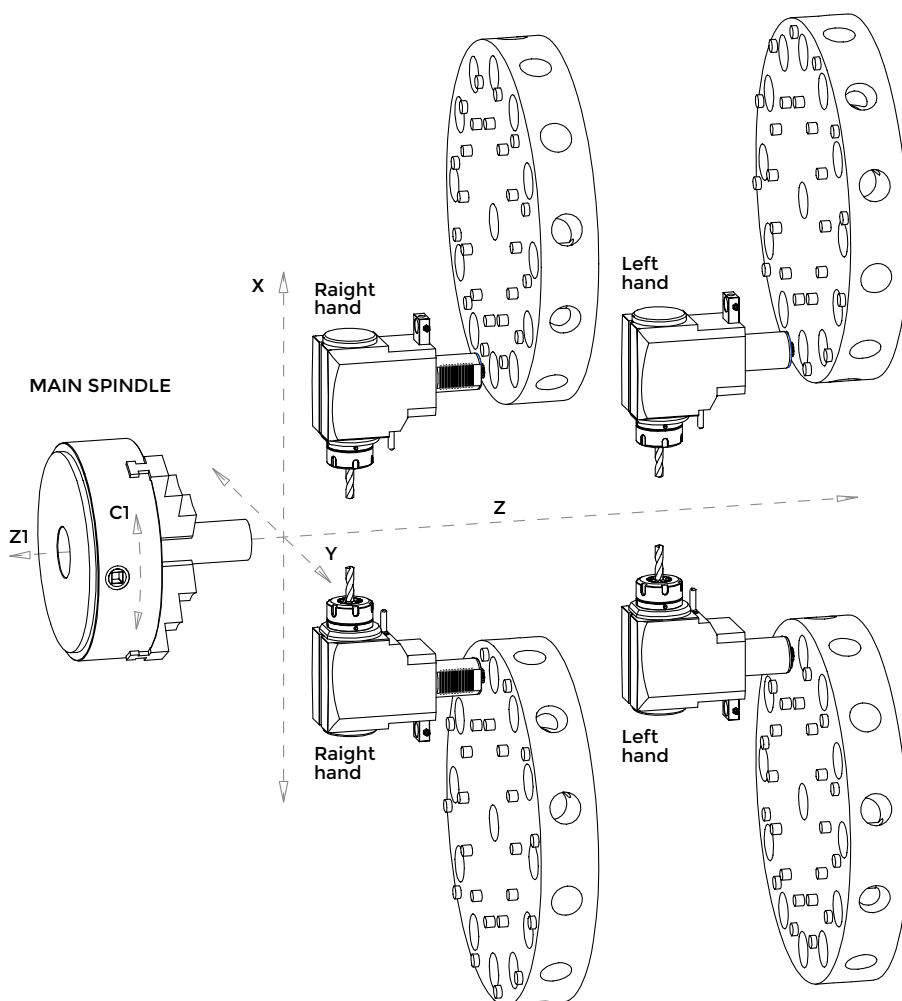
AXIAL OPERATION STRAIGHT TOOL OLDER



RADIAL OPERATION ANGULAR TOOL HOLDER 90° ANGLE

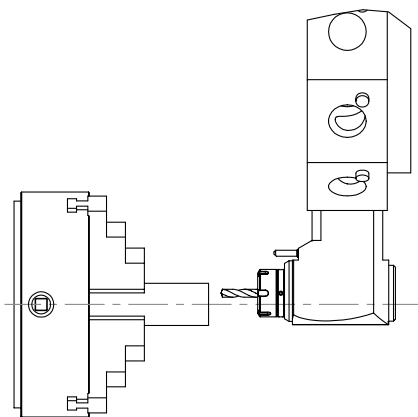


RAIGHT AND LEFT HAND

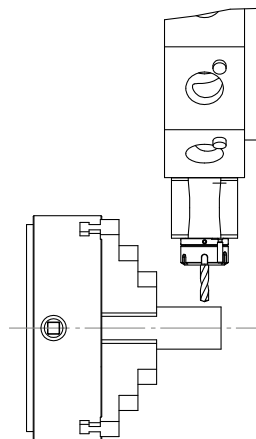


OPERATIONS WITH VDI STAR - TYPE TURRET

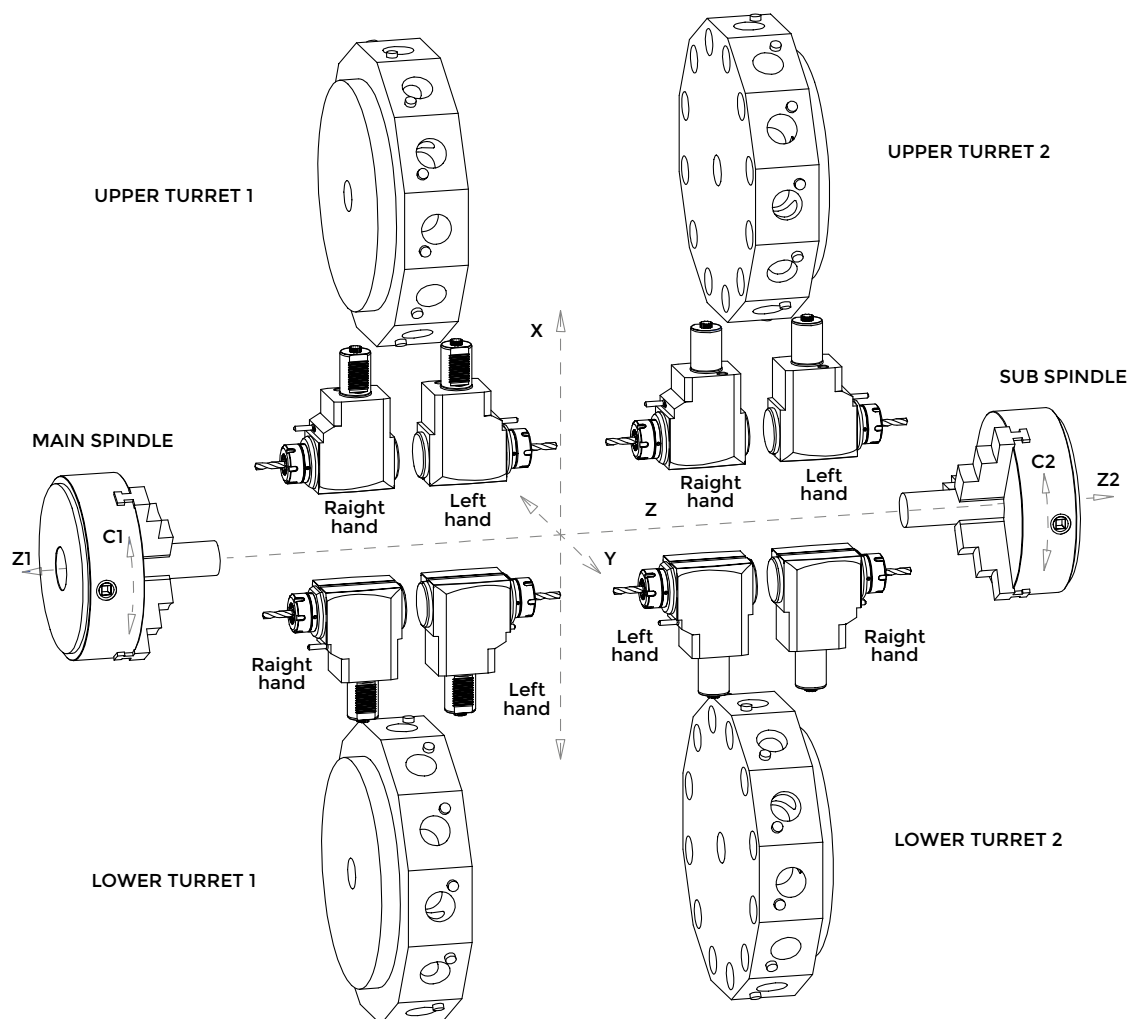
AXIAL OPERATION ANGULAR TOOL HOLDER 90° ANGLE



RADIAL OPERATION STRAIGHT TOOL HOLDER

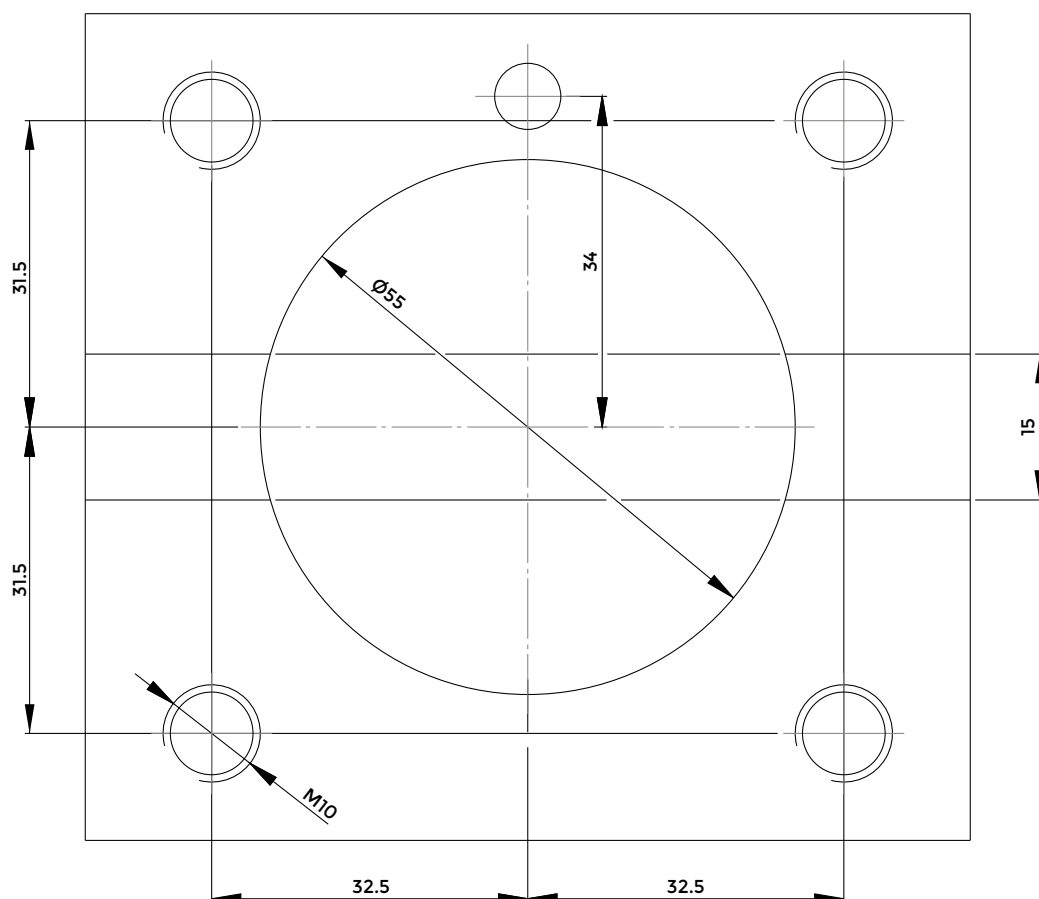


RAIGHT AND LEFT HAND VERSION ON STAR TYPE TURRETS WITH MAIN AND SUB

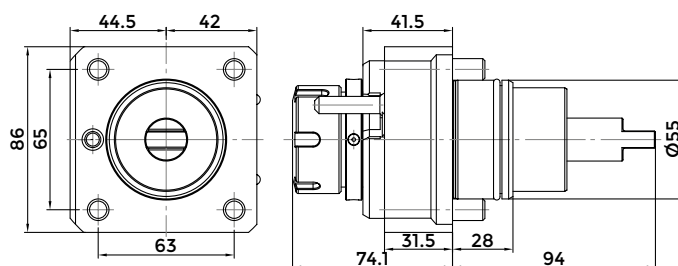


BIGLIA - B301/445/470/501(Y-S)/510/545/550/565/650/658/1200/446/465/745/765-B750/1250 16 ST.

CONNECTION TURRET BIGLIA



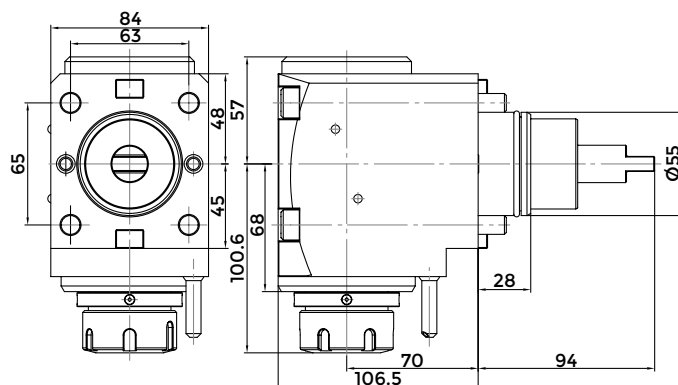
AXIAL DRILLING AND MILLING HEAD



BIGLIA

COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-05519	ER25	6000	1:1	50	NO	-
124-05520	ER25	6000	1:1	50	YES	20
124-05521	ER32	6000	1:1	50	NO	-
124-05522	ER32	6000	1:1	50	YES	20

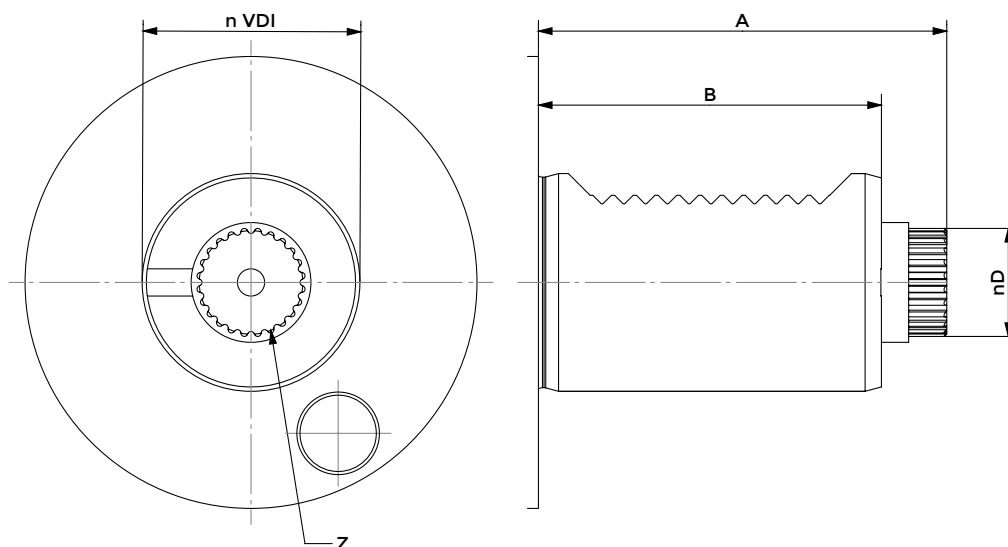
RADIAL DRILLING AND MILLING HEAD



BIGLIA

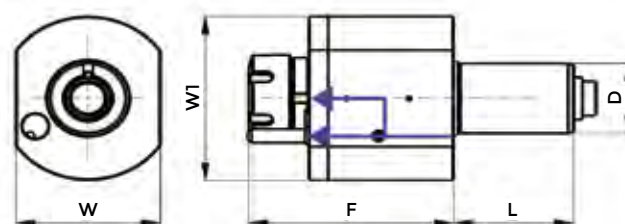
COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-05523	ER32	6000	1:1	50	NO	-
124-05524	ER32	6000	1:1	50	YES	20

DIN5480



VDI	A	B	d	Z
30	67	55	15,8	18
40	75	63	19,8	24
50	93	78	23,8	18

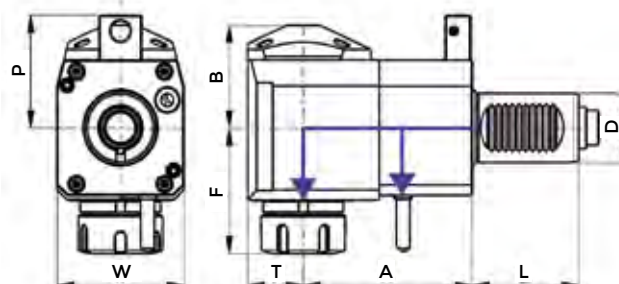
AXIAL DRILLING AND MILLING HEAD



DIN5480 SAUTER

COD.	D	ER	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43001	30	ER25	NO	87	55	64	68	28	6000	1:1	-
116-43002	30	ER25	YES	87	55	64	68	28	6000	1:1	20
116-44001	40	ER25	NO	105	63	80	86	50	6000	1:1	-
116-44002	40	ER25	YES	105	63	80	86	50	6000	1:1	20
116-44003	40	ER32	NO	108	63	80	86	50	6000	1:1	-
116-44004	40	ER32	YES	108	63	80	86	50	6000	1:1	20
116-45040	50	ER32	NO	114,1	78	88	88	80	6000	1:1	-
116-45041	50	ER32	YES	114,1	78	88	88	80	6000	1:1	20
116-45017	50	ER40	YES	116,1	78	88	88	80	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD



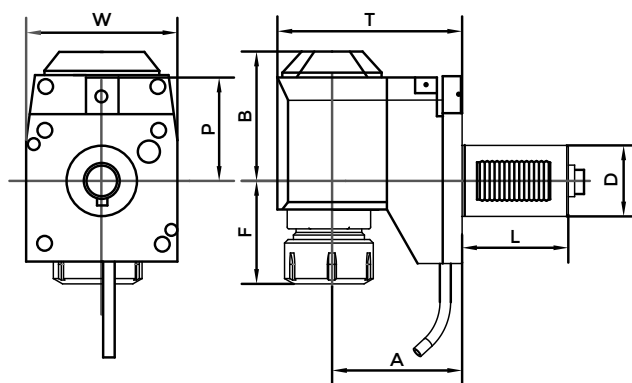
DIN5480 SAUTER

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43003	30	ER25	NO	DX	55	48	63	55	56	29	64	28	6000	1:1	-
116-43004	30	ER25	YES	DX	55	51	63	55	56	29	64	28	6000	1:1	20
116-43004L	30	ER25	YES	SX	55	51	63	55	56	29	64	28	6000	1:1	20
116-44005	40	ER25	NO	DX	80	59	70	63	65	36	75	50	6000	1:1	-
116-44006	40	ER25	YES	DX	80	62	70	63	65	36	75	50	6000	1:1	20
116-44006-80BAR	40	ER25	YES	DX	80	62	70	63	65	36	75	50	6000	1:1	80
116-43005	30	ER25	NO	DX	85	48	63	55	56	29	64	28	6000	1:1	-
116-43006	30	ER25	YES	DX	85	51	63	55	56	29	64	28	6000	1:1	20
116-54069	30	ER25	YES	DX/SX	85	51	65	55	56	29	64	28	6000	1:1	20
116-46001	30	ER25	NO	DX	100	48	63	55	56	29	64	28	6000	1:1	-
116-46002	30	ER25	YES	DX	100	51	63	55	56	29	64	28	6000	1:1	20
116-54097	40	ER25	NO	SX	100	59	72	63	65	36	75	50	6000	1:1	-
116-44007	40	ER25	NO	DX	100	59	70	63	65	36	75	50	6000	1:1	-
116-44008	40	ER25	YES	DX	100	62	70	63	65	36	75	50	6000	1:1	20
116-44009	40	ER32	NO	DX	80	59	74	63	65	36	75	50	6000	1:1	-
116-54098	40	ER32	YES	DX/SX	80	62	75	63	65	36	75	50	6000	1:1	20
116-44010	40	ER32	YES	DX	80	62	74	63	65	36	75	50	6000	1:1	20
116-44011	40	ER32	NO	DX	100	59	74	63	65	36	75	50	6000	1:1	-
116-44012	40	ER32	YES	DX	100	62	74	63	65	36	75	50	6000	1:1	20
116-44012L	40	ER32	YES	SX	100	62	74	63	65	36	75	50	6000	1:1	20
116-54099	40	ER32	YES	DX	100	72	75	63	65	36	75	50	6000	1:1	80
116-45053	50	ER32	NO	SX	110	64	117,1	78	73	42	88	80	6000	1:1	-
116-45054	50	ER32	YES	DX	110	64	117,1	78	73	42	88	80	6000	1:1	20
116-45030	50	ER40	YES	DX	110	64	119,1	78	73	42	88	80	6000	1:1	20

* left version on enquiry

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

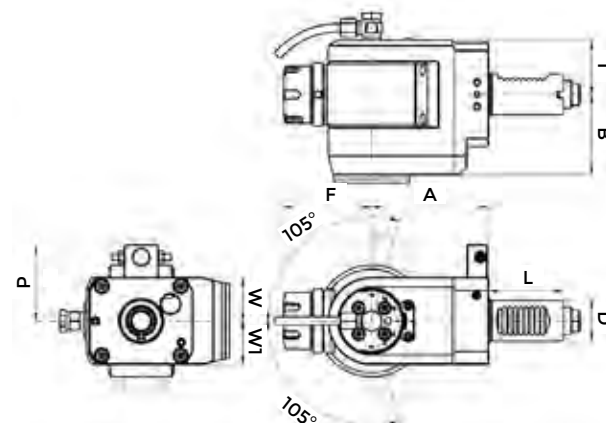
OFFSET RADIAL DRILLING AND MILLING HEAD



DIN 5480 SAUTER

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43008	30	ER25	NO	DX	75	71	40	55	56	104	64	28	6000	1:1	-
116-43009	30	ER25	YES	DX	75	74	40	55	56	104	64	28	6000	1:1	20
116-44016	40	ER32	NO	DX	120	92	41	63	65	156	75	50	6000	1:1	-
116-44017	40	ER32	YES	DX	120	95	41	63	65	156	75	50	6000	1:1	20

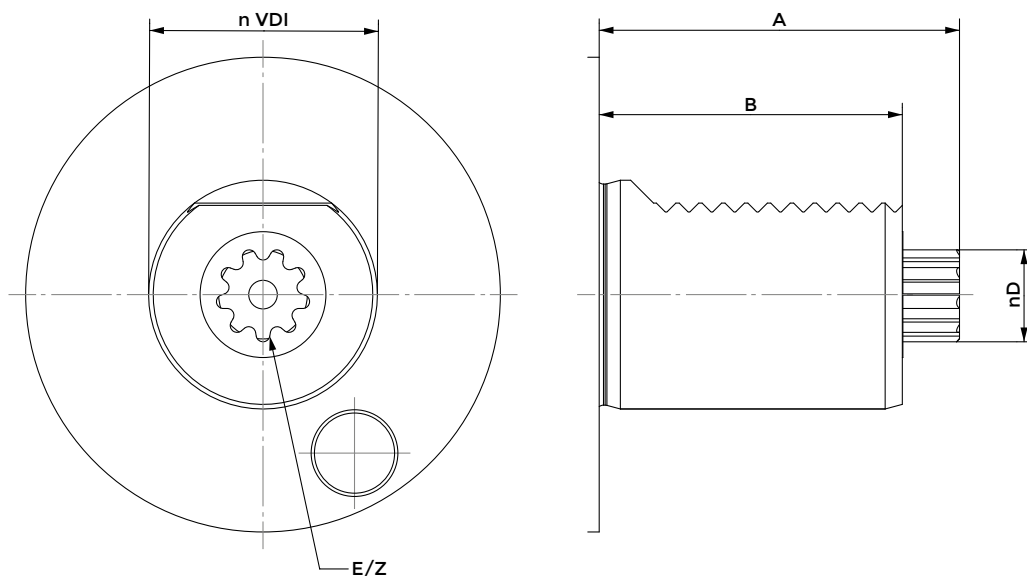
AXIAL - RADIAL DRILLING AND MILLING HEAD



DIN 5480 SAUTER

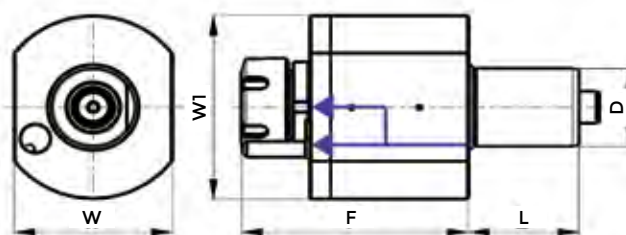
COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54083	30	ER25	NO	DX	86	59	45	55	56	40	32	32	16	6000	1:1	-
116-54084	30	ER25	YES	DX	86	59	45	55	56	40	32	32	16	6000	1:1	20
116-54085	30	ER25	YES	SX	86	59	65	55	56	40	32	32	16	6000	1:1	20

DIN5482



VDI	A	B	d	E	Z
30	55	45	14,5	B15X12	8
40	63	53	16,5	B17X14	9
50	93	78	19,5	B20X17	11

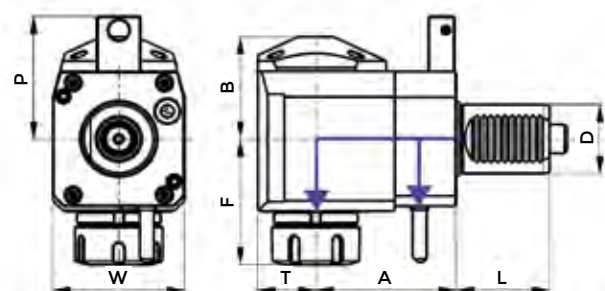
AXIAL DRILLING AND MILLING HEAD



DIN5482 SAUTER

COD.	D	ER	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43010	30	ER25	NO	87	45	64	68	28	6000	1:1	-
116-43011	30	ER25	YES	87	45	64	68	28	6000	1:1	20
116-44019	40	ER25	YES	105	53	80	86	50	6000	1:1	20
116-44020	40	ER32	NO	108	53	80	86	50	6000	1:1	-
116-44021	40	ER32	YES	108	53	80	86	50	6000	1:1	20
116-45013	50	ER40	YES	116,1	71	88	88	80	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD



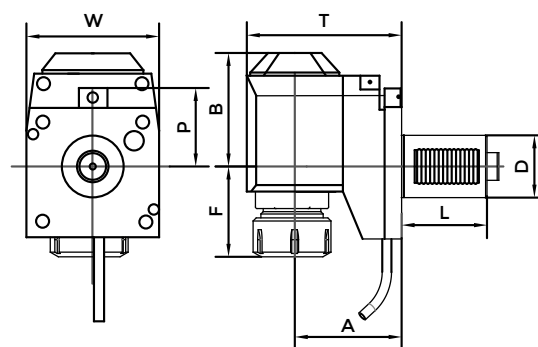
DIN5482 SAUTER

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43013	30	ER25	YES	DX	55	51	63	45	48	26	64	28	6000	1:1	20
116-44024	40	ER32	NO	DX	80	59	74	53	71	33	75	50	6000	1:1	-
116-44025	40	ER32	YES	DX	80	62	74	53	71	33	75	50	6000	1:1	20
116-45044	50	ER32	NO	DX	110	64	117,1	71	83	42	88	80	6000	1:1	-

* left version on enquiry

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD



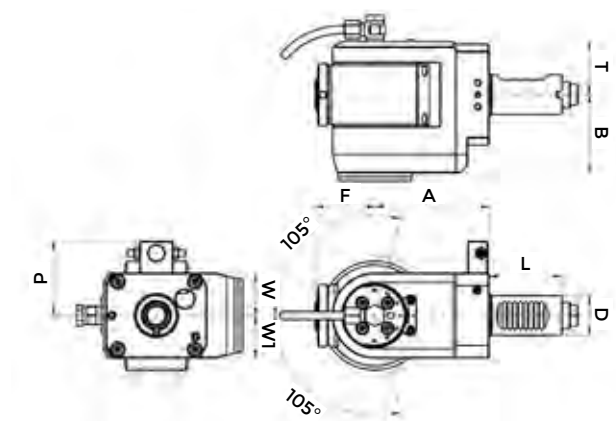
DIN5482 SAUTER

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54076	30	ER25	NO	SX	75	71	42	45	48	104	64	28	6000	1:1	-

* left version on enquiry

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

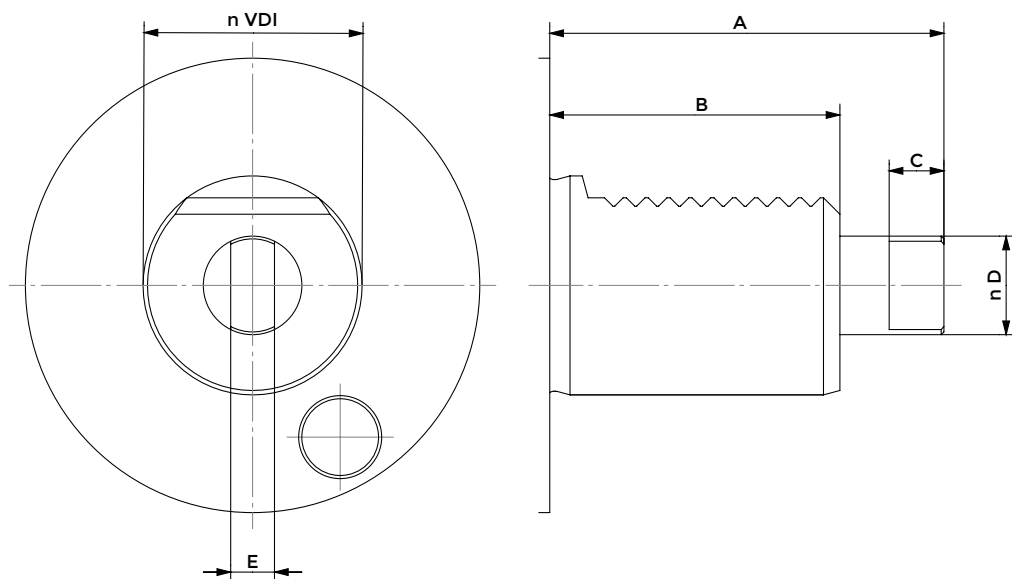
AXIAL - RADIAL DRILLING AND MILLING HEAD WITH INTERNAL NUT



DIN5482 SAUTER

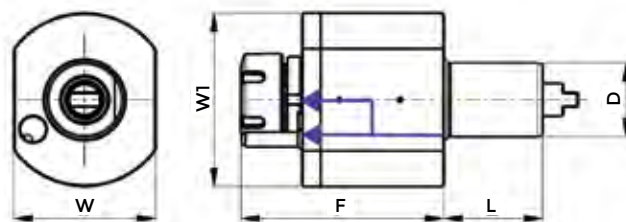
COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54080	30	ER16	NO	DX	86	59	45	55	48	40	32	32	16	6000	1:1	-

DIN1809



VDI	A	B	C	d	E
30	62	45	8	12	6
40	72	53	10	18	8
50	91	78	13	24	13

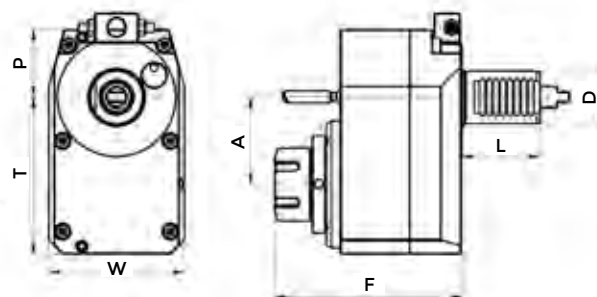
AXIAL DRILLING AND MILLING HEAD



DIN1809 - DUPLOMATIC

COD.	D	ER	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54065	30	ER25	YES	90	55	64	68	28	6000	1:1	20
116-43017	30	ER25	NO	87	45	64	68	28	6000	1:1	-
116-43018	30	ER25	YES	87	45	64	68	28	6000	1:1	20
116-44027	40	ER25	YES	105	53	80	86	50	6000	1:1	20
116-44028	40	ER32	NO	108	53	80	86	50	6000	1:1	-
116-44029	40	ER32	YES	108	53	80	86	50	6000	1:1	20
116-44030	40	ER32	NO	95	53	80	86	50	6000	1:1	-
116-44031	40	ER32	YES	95	53	80	86	50	6000	1:1	20
116-45039	50	ER32	YES	114,1	71	88	88	80	6000	1:1	20
116-45014	50	ER40	NO	116,1	71	88	88	80	6000	1:1	-
116-45015	50	ER40	YES	116,1	71	88	88	80	6000	1:1	20

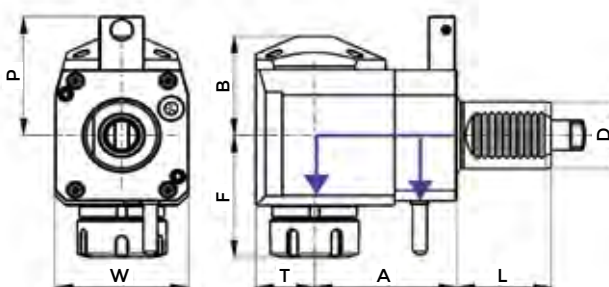
OFFSET AXIAL DRILLING AND MILLING HEAD



DIN1809 - DUPLOMATIC

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54074	30	ER25	NO	DX	50	107,6	45	40	90	78	14	12000	1:2	-

RADIAL DRILLING AND MILLING HEAD



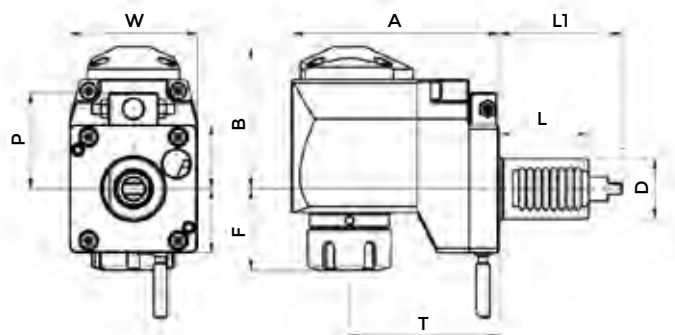
DIN1809 - DUPLOMATIC

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54068	30	ER25	NO	SX	55	48	65	55	48	29	64	28	6000	1:1	-
116-43019	30	ER25	NO	DX	55	48	63	45	48	29	64	28	6000	1:1	-
116-43020	30	ER25	YES	DX	55	51	63	45	48	29	64	28	6000	1:1	20
116-54092	40	ER32	NO	SX	80	59	75	53	71	36	75	50	6000	1:1	-
116-44034	40	ER32	NO	DX	80	59	74	53	71	36	75	50	6000	1:1	-
116-44035	40	ER32	YES	DX	80	62	74	53	71	36	75	50	6000	1:1	20
116-44038	40	ER32	NO	SX	100	59	74	53	-	36	75	50	6000	1:1	-
116-44039	40	ER32	YES	SX	100	62	74	53	-	36	75	50	6000	1:1	20
116-45050	50	ER32	YES	DX	110	64	117,1	71	83	42	88	80	6000	1:1	20
116-45051	50	ER32	YES	SX	110	64	117,1	71	83	42	88	80	6000	1:1	20
116-45026	50	ER40	YES	DX	110	64	119,1	71	83	42	88	80	6000	1:1	20

* left version on enquiry

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

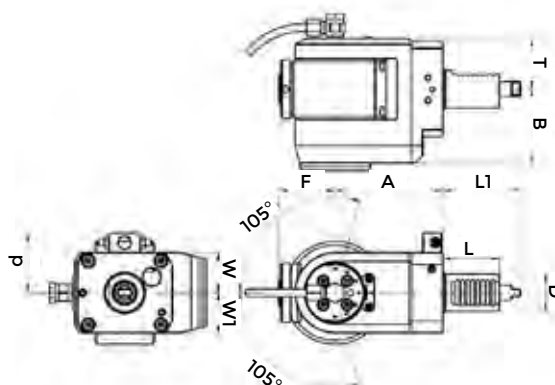


DIN1809 - DUPLOMATIC

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43022	30	ER25	NO	DX	104	71	40	45	48	75	64	28	6000	1:1	-
116-43022L	30	ER25	NO	SX	104	71	40	45	48	75	64	28	6000	1:1	-
116-43023	30	ER25	YES	DX	104	74	40	45	48	75	64	28	6000	1:1	20
116-46010	40	ER32	YES	DX	156	95	40	53	72	120	75	50	6000	1:1	20

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

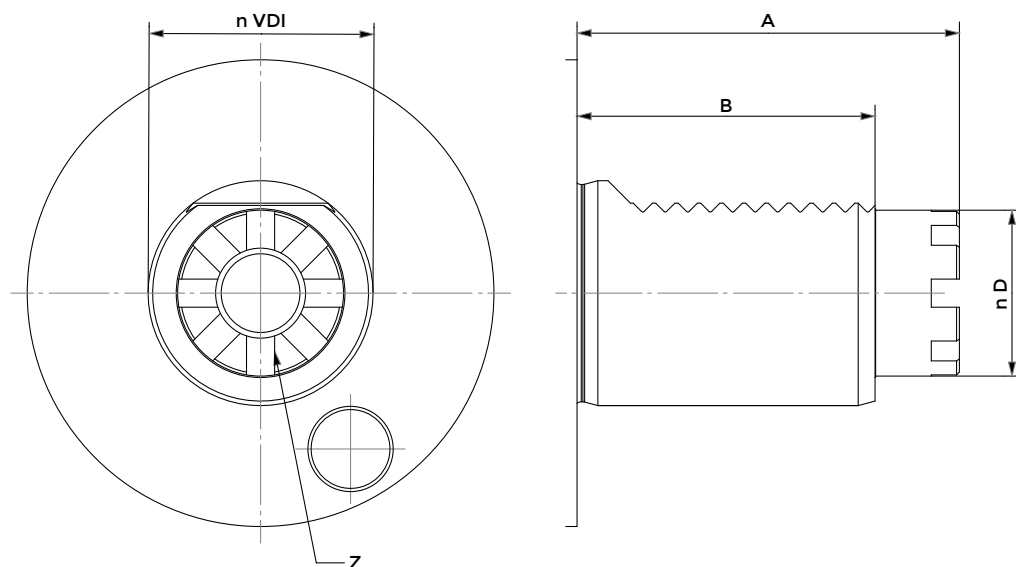
AXIAL - RADIAL DRILLING AND MILLING HEAD WITH INTERNAL NUT



DIN1809 - DUPLOMATIC

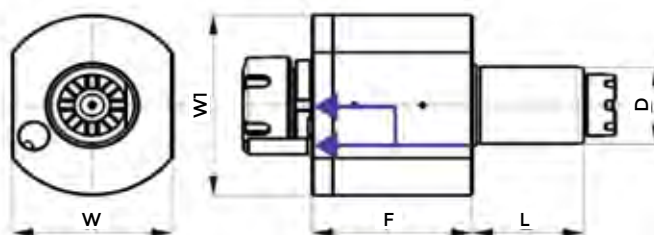
COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54082	30	ER16	NO	DX	79	59	45	45	62	48	40	32	32	16	6000	1:1	-
116-54081	30	ER25	NO	SX	79	59	45	45	62	48	40	32	32	16	6000	1:1	-
116-54114	40	ER25	NO	SX	79	59	65	53	72	71	40	32	32	16	6000	1:1	-

TOEM BARUFFALDI



VDI	A	B	d	Z
30	59	45/53	24	6
40	68	53	32	8
50	84	70	40	8

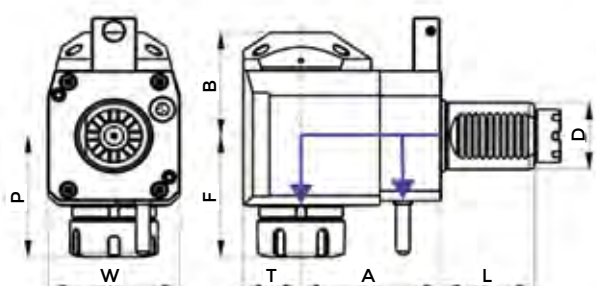
AXIAL DRILLING AND MILLING HEAD



TOEM BARUFFALDI

COD.	D	ER	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43024	30	ER25	NO	87	45	64	68	28	6000	1:1	-
116-43025	30	ER25	YES	87	45	64	68	28	6000	1:1	20
116-44045	40	ER25	YES	105	53	80	86	50	6000	1:1	20
116-44046	40	ER32	NO	108	53	80	86	50	6000	1:1	-
116-44047	40	ER32	YES	108	53	80	86	50	6000	1:1	20
116-45043	50	ER32	YES	114,1	71	88	88	80	6000	1:1	20
116-45018	50	ER40	NO	116,1	71	88	88	80	6000	1:1	-
116-45019	50	ER40	YES	116,1	71	88	88	80	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD



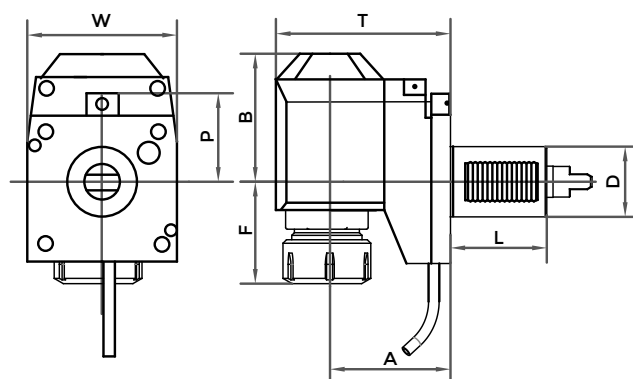
TOEM BARUFFALDI

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54072	30	ER25	YES	DX	55	61	65	45	48	29	64	28	6000	1:1	80
116-43026	30	ER25	NO	DX	55	48	63	45	48	29	64	28	6000	1:1	-
116-43027	30	ER25	YES	DX	55	51	63	45	48	29	64	28	6000	1:1	20
116-54070	30	ER25	NO	SX	85	48	65	45	48	29	64	28	6000	1:1	-
116-54071	30	ER25	YES	SX	85	48	65	45	48	29	64	28	6000	1:1	20
116-44049	40	ER25	YES	DX	80	62	70	53	71	36	75	50	6000	1:1	20
116-44050	40	ER32	NO	DX	80	59	74	53	71	36	75	50	6000	1:1	-
116-44051	40	ER32	YES	DX	80	62	74	53	71	36	75	50	6000	1:1	20
116-45059	50	ER32	YES	SX	110	64	117,1	71	83	42	88	80	6000	1:1	20
116-45033	50	ER40	NO	SX	110	64	119,1	71	83	42	88	80	6000	1:1	20
116-45034	50	ER40	YES	DX	110	64	119,1	71	83	42	88	80	6000	1:1	20
116-45035	50	ER40	YES	SX	110	64	119,1	71	83	42	88	80	6000	1:1	20

* left version on enquiry

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

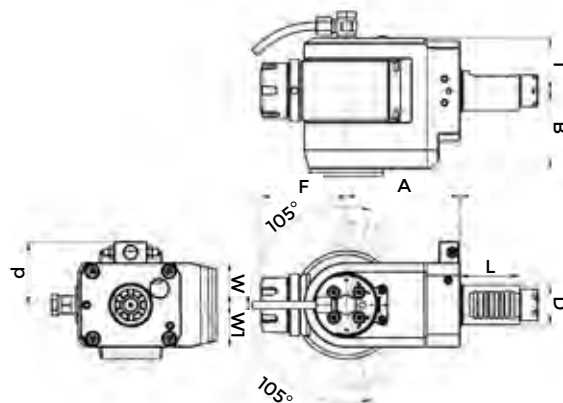


TOEM BARUFFALDI

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-43029	30	ER25	NO	DX	75	71	40	45	48	104	64	28	6000	1:1	-
116-43030	30	ER25	YES	DX	75	74	40	45	48	104	64	28	6000	1:1	20
116-46012	40	ER25	YES	DX	120	95	37	53	71	156	75	50	6000	1:1	20
116-46013	40	ER32	NO	DX	120	92	41	53	71	156	75	50	6000	1:1	-
116-46014	40	ER32	YES	DX	120	95	41	53	71	156	75	50	6000	1:1	20

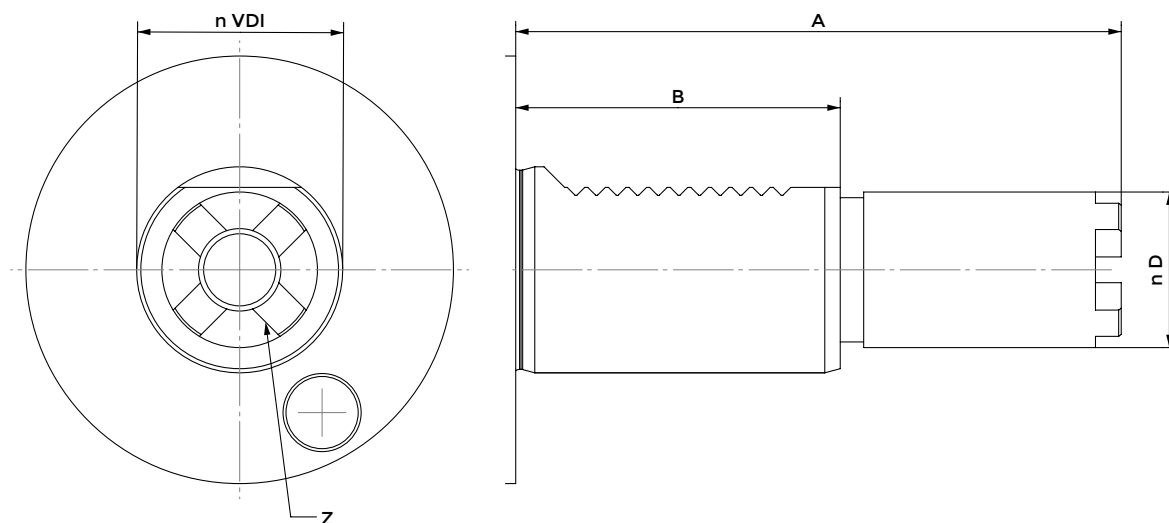
ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

AXIAL - RADIAL DRILLING AND MILLING HEAD



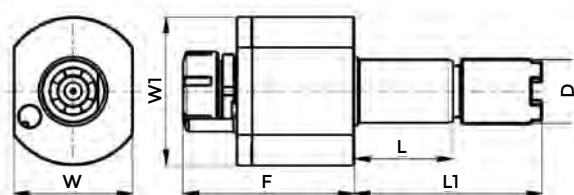
TOEM BARUFFALDI

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54086	30	ER25	NO	DX	79	59	65	45	48	40	39	39	16	6000	1:1	-
116-54130	40	ER25	NO	SX	79	59	65	53	71	40	39	39	16	6000	1:1	-
116-54131	40	ER25	YES	SX	86	59	65	53	71	40	39	39	16	6000	1:1	20



VDI	A	B	D	Z	TIPO
40	104,85	63	30,2	4	1
40	117,55	63	30,2	4	2
40	130,25	63	30,2	4	3

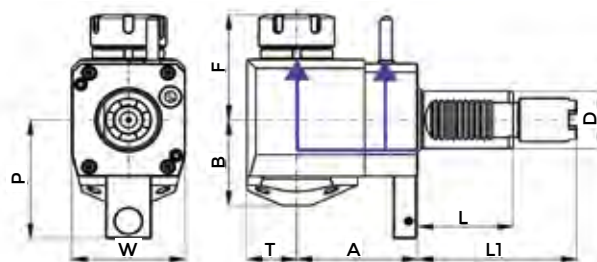
AXIAL DRILLING AND MILLING HEAD



STEPPED - HAAS

COD.	D	ER	INTERNAL COOLING	F	L	L1	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-44060	40	ER25	NO	105	63	117,55	80	86	50	6000	1:1	-
116-44058	40	ER32	NO	108	63	104,85	80	86	50	6000	1:1	-
116-44059	40	ER32	YES	108	63	104,85	80	86	50	6000	1:1	20
116-44062	40	ER32	NO	108	63	117,55	80	86	50	6000	1:1	-
116-44063	40	ER32	YES	108	63	117,55	80	86	50	6000	1:1	20
116-44066	40	ER32	NO	108	63	130,25	80	86	50	6000	1:1	-

RADIAL DRILLING AND MILLING HEAD

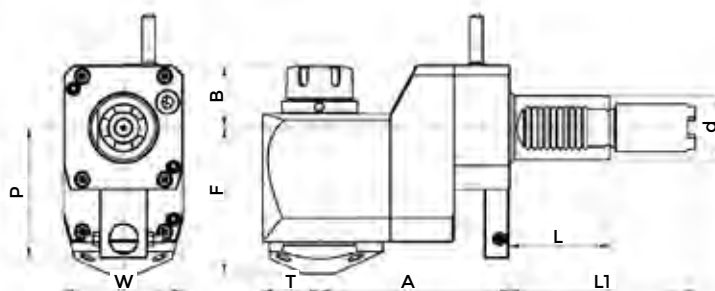


STEPPED - HAAS

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-44073	40	ER25	YES	SX	80	62	70	63	117,55	82	36	75	50	6000	1:1	20
116-54105	40	ER32	YES	SX	80	59	91	63	130,25	82	36	75	50	6000	1:1	20
116-47003	40	ER32	NO	SX	69	59	74	63	104,85	82	36	75	50	6000	1:1	-
116-54101	40	ER32	NO	SX	69	56	91	63	117,55	82	36	75	50	6000	1:1	-
116-47004	40	ER32	YES	SX	69	62	74	63	104,85	82	36	75	50	6000	1:1	20
116-47007	40	ER32	NO	SX	69	59	74	63	117,55	82	36	75	50	6000	1:1	-
116-47008	40	ER32	YES	SX	69	62	74	63	117,55	82	36	75	50	6000	1:1	20
116-44074	40	ER32	NO	SX	80	59	74	63	117,55	82	36	75	50	6000	1:1	-
116-44075	40	ER32	YES	SX	80	62	74	63	117,55	82	36	75	50	6000	1:1	20
116-44078	40	ER32	NO	SX	80	59	74	63	130,25	82	36	75	50	6000	1:1	-

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

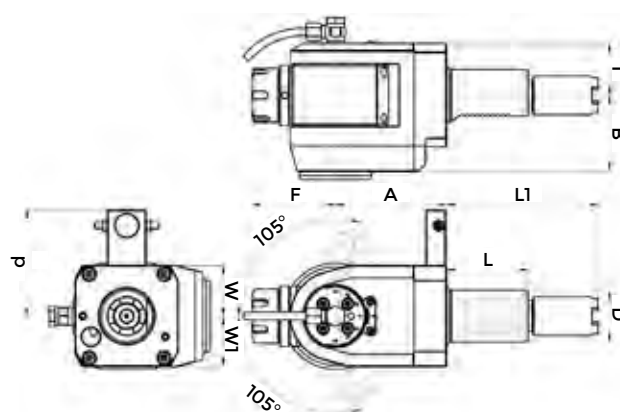
OFFSET RADIAL DRILLING AND MILLING HEAD



STEPPED - HAAS

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54110	40	ER32	NO	SX	120	92	42	63	117,55	82	36	75	50	6000	1:1	-
116-54113	40	ER32	YES	SX	120	95	42	63	117,55	82	36	75	50	6000	1:1	20

AXIAL - RADIAL DRILLING AND MILLING HEAD

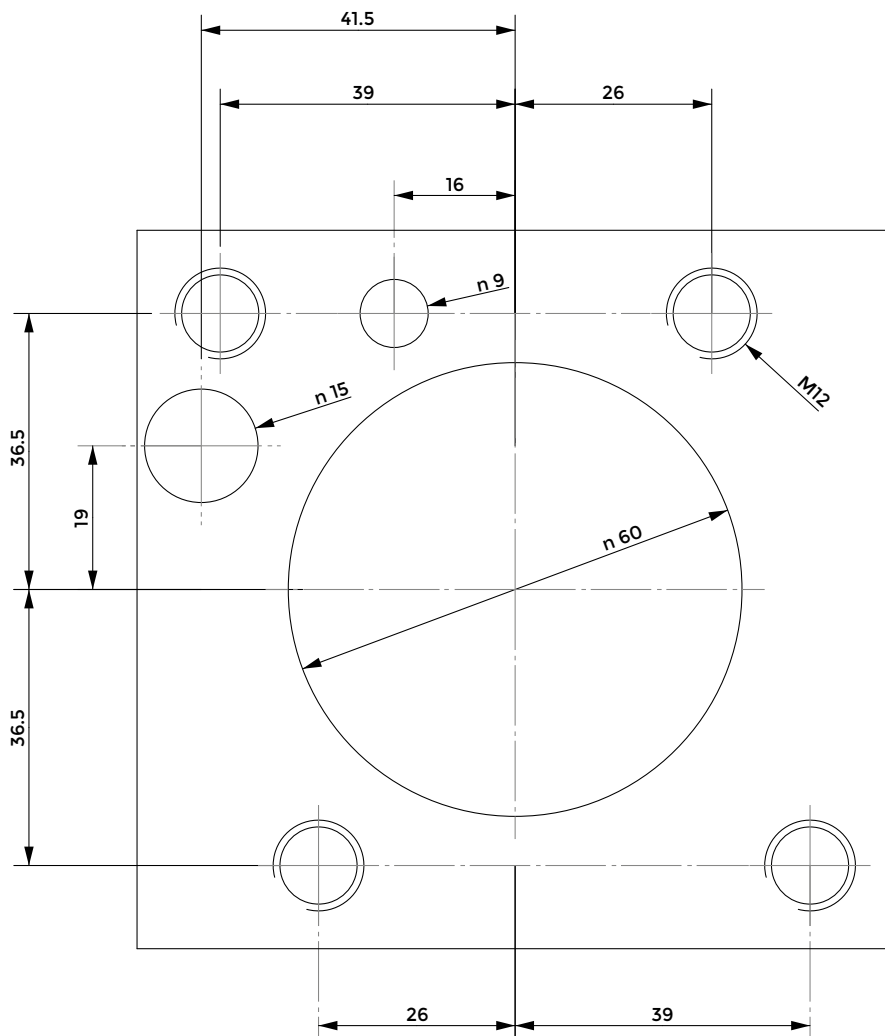


STEPPED - HAAS

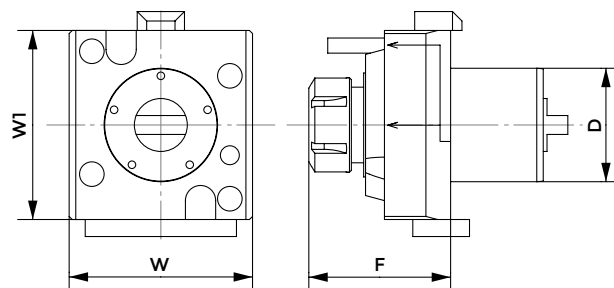
COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-04009	40	ER25	YES	SX	86	59	65	63	130,25	82	40	39	39	16	6000	1:1	20

OKUMA - BMT60 - LB2000 EX (M) - LB2500 EX (M) - LB3000 EX (M,MY) - LT2000 EX - LT3000 EX
LB3000 EX (MW,MYW) - LU2000 EX - LU2500 EX - LU3000 EX (M,MW,MY) - GENOS L300 (MY,MW,MYW)

CONNECTION TURRET BMT60



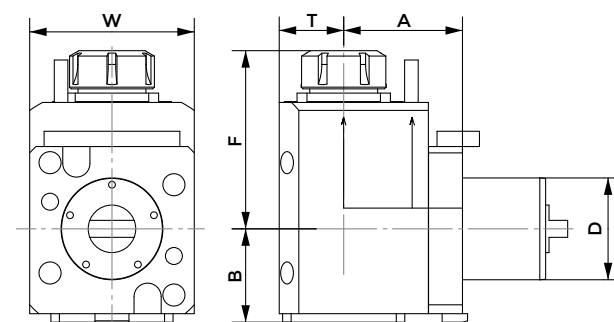
AXIAL DRILLING AND MILLING HEAD



OKUMA BMT60

COD.	D	ER	INTERNAL COOLING	A	B	F	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06005	60	ER32	NO	87	97	100	70	6000	1:1	-
124-06006	60	ER32	YES	87	97	100	70	6000	1:1	20

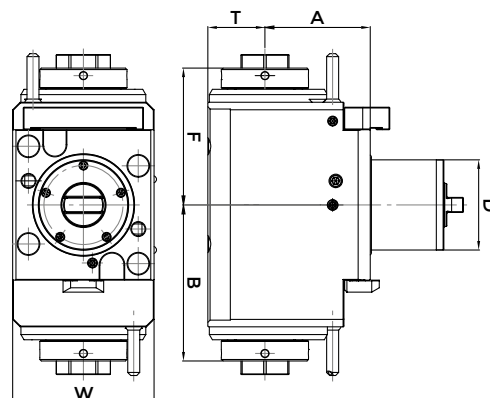
RADIAL DRILLING AND MILLING HEAD



OKUMA BMT60

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06007	60	ER32	NO	DX/SX	70	59	111	38	94	70	6000	1:1	-
124-06008	60	ER32	YES	DX/SX	70	59	111	38	94	70	6000	1:1	20

DOUBLE RADIAL DRILLING AND MILLING HEAD WITH INTERNAL NUT

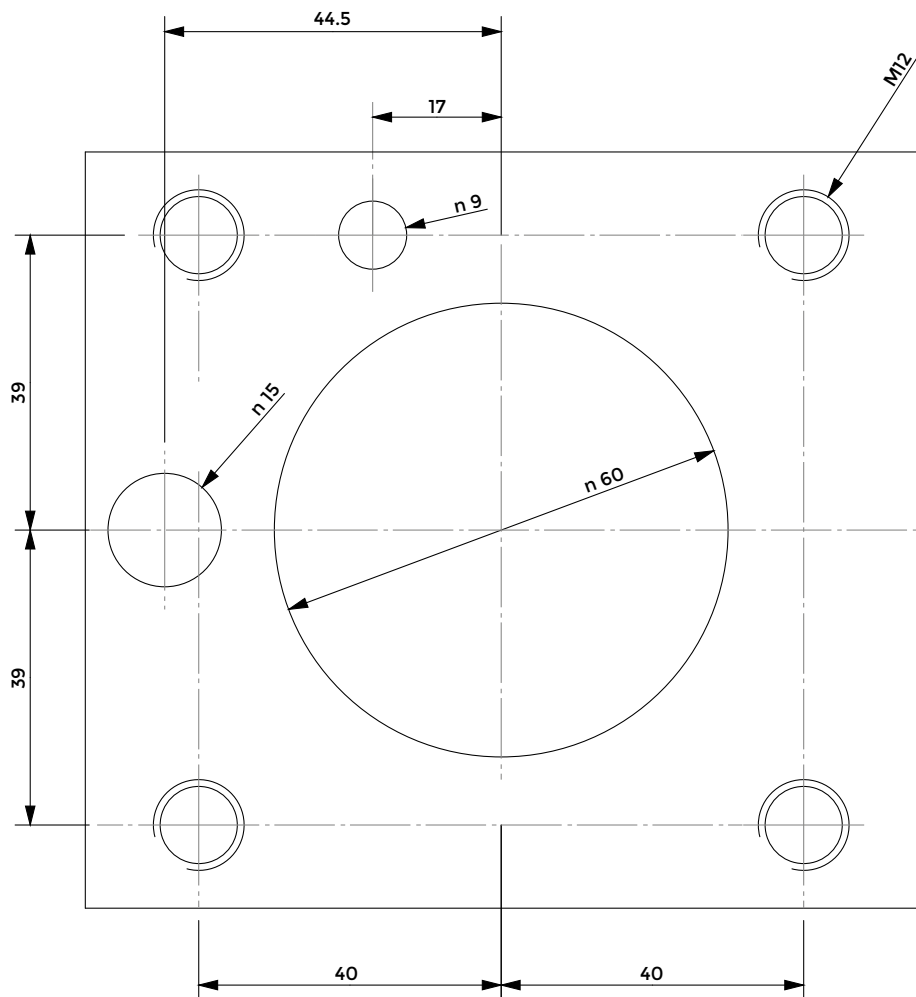


DOUBLE OKUMA BMT60

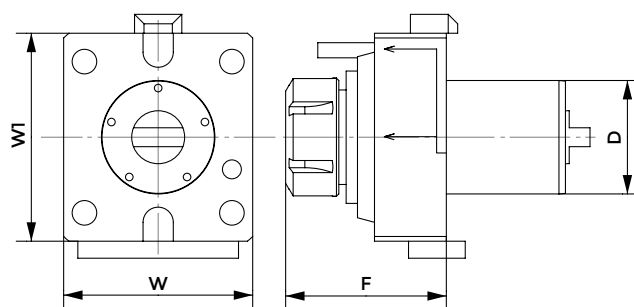
COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06602	60	32	YES	DX/SX	70	103.8	91	38	94	49	70	6000	1:1	20

OKUMA - BMT60 - LB4000 EX (M)

CONNECTION TURRET OKUMA BMT60



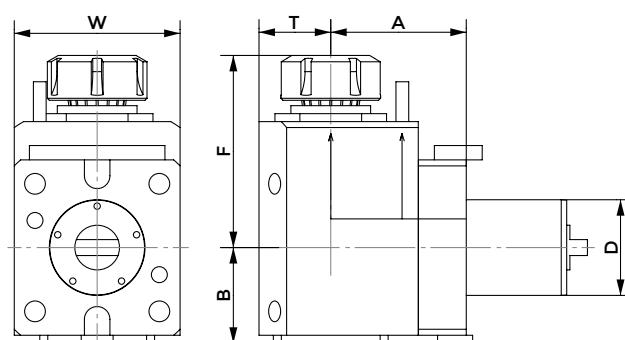
AXIAL DRILLING AND MILLING HEAD



OKUMA BMT60

COD.	D	ER	INTERNAL COOLING	A	B	F	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06009	60	ER40	NO	82	100	110	80	6000	1:1	-
124-06010	60	ER40	YES	82	100	110	80	6000	1:1	20

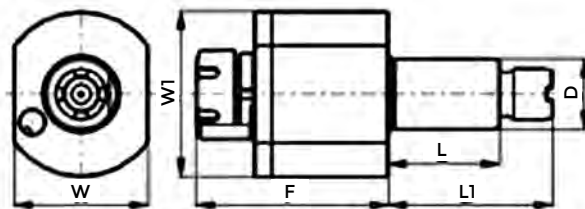
RADIAL DRILLING AND MILLING HEAD



OKUMA BMT60

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06011	60	ER40	NO	DX/SX	85	64	121	44	100	80	6000	1:1	-
124-06012	60	ER40	YES	DX/SX	85	64	121	44	100	80	6000	1:1	20
124-06014	60	ER40	YES	DX/SX	85	64	121	44	100	80	6000	1:1	80

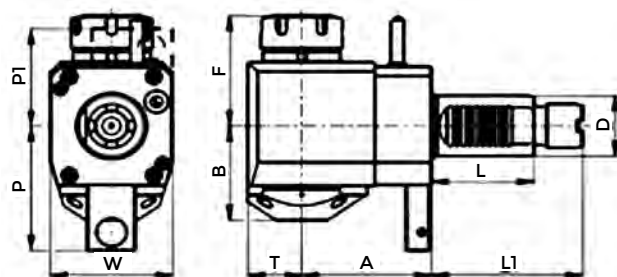
AXIAL DRILLING AND MILLING HEAD



STEPPED - OKUMA

COD.	D	ER	INTERNAL COOLING	F	L	L1	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54066	30	ER25	YES	88,5	55	69	67	67	28	6000	1:1	80
116-43031	30	ER25	NO	87	55	69	64	68	28	6000	1:1	-
116-43032	30	ER25	YES	87	55	69	64	68	28	6000	1:1	20
116-44098	40	ER25	NO	105	63	93	80	86	50	6000	1:1	-
116-54090	40	ER32	YES	93,5	63	93	79	79	50	6000	1:1	80
116-54001	40	ER32	NO	108	63	93	80	86	50	6000	1:1	-
116-54002	40	ER32	YES	108	63	93	80	86	50	6000	1:1	20
116-54005	40	ER32	NO	108	63	101	80	86	50	6000	1:1	-
116-54006	40	ER32	YES	108	63	101	80	86	50	6000	1:1	20
116-54119	50	ER32	YES	114	71	106	88	88	80	6000	1:1	80
116-54120	50	ER40	NO	116	71	106	88	88	80	6000	1:1	-

RADIAL DRILLING AND MILLING HEAD

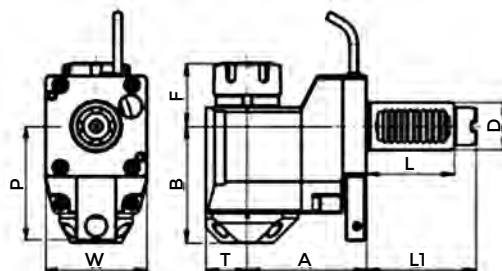


STEPPED - OKUMA

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	P Bar
116-43033	30	ER25	NO	DX	85	48	63	55	69	-	29	64	-
116-43033L	30	ER25	NO	SX	85	48	63	55	69	-	29	64	-
116-43035	30	ER25	NO	SX	55	48	63	55	69	72	29	64	-
116-43036	30	ER25	YES	SX	55	51	63	55	69	72	29	64	20
116-54007	40	ER25	NO	SX	80	59	70	63	93	82	36	75	-
116-54009	40	ER32	NO	SX	80	59	74	63	93	82	36	75	-
116-54010	40	ER32	YES	SX	80	62	74	63	93	82	36	75	20
116-54014	40	ER32	YES	SX	80	62	74	63	101	82	36	75	20
116-54017	40	ER32	NO	DX	80	59	74	63	93	-	36	75	-
116-54018	40	ER32	YES	DX	80	62	74	63	93	-	36	75	20
116-54104	40	ER32	YES	SX	67	62	91	63	93	82	36	75	20
116-54106	40	ER32	YES	SX	80	62	91	63	93	82	36	75	20
116-54103	40	ER32	NO	SX	80	59	75	63	101	82	36	75	-
116-54127	50	ER32	YES	SX	110	64	117	71	106	102	42	88	20
116-54128	50	ER40	NO	SX	110	64	119	71	106	102	42	88	-
116-54129	50	ER40	YES	SX	110	64	119	71	106	102	42	88	20

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

OFFSET RADIAL DRILLING AND MILLING HEAD

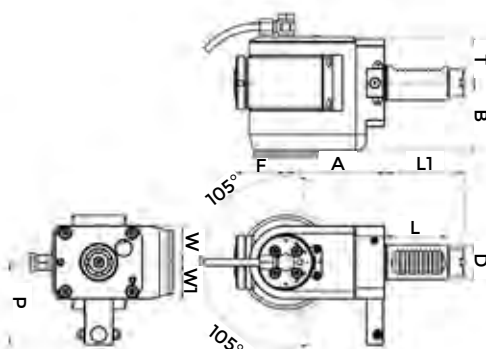


STEPPED - OKUMA

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-48002	40	ER25	YES	SX	120	95	37	63	104,85	82	36	75	50	6000	1:1	20
116-48004	40	ER32	YES	SX	120	95	41	63	104,85	82	36	75	50	6000	1:1	20

ON REQUEST AVAILABLE INTERNAL COOLANT 80 BAR

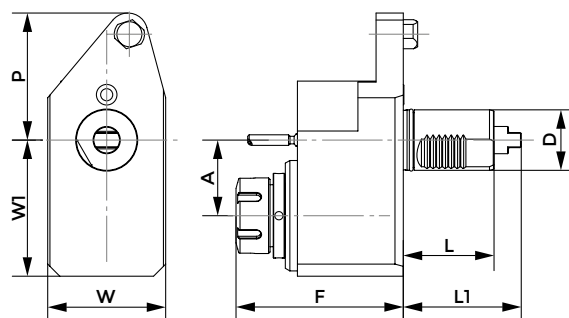
AXIAL - RADIAL DRILLING AND MILLING HEAD



STEPPED - OKUMA

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	P	T	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54087	30	ER16	NO	SX	86	59	45	55	72	40	32	32	16	6000	1:1	-
116-54115	40	ER25	NO	SX	86	59	65	63	-	40	39	39	16	6000	1:1	-

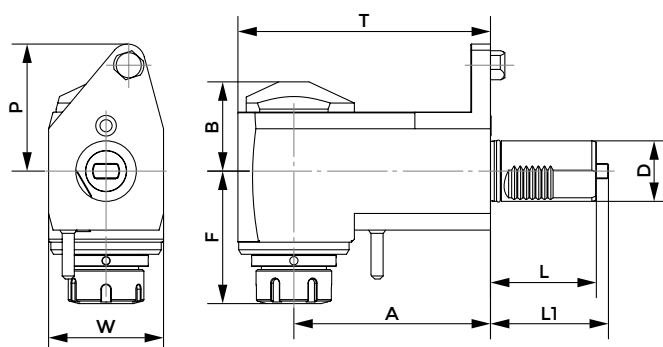
AXIAL DRILLING AND MILLING HEAD



MAZAK

COD.	D	ER	INTERNAL COOLING	F	A	L	L1	P	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54053	40	ER32	NO	110,6	50	60	61	84	78	90	50	6000	1:1	-

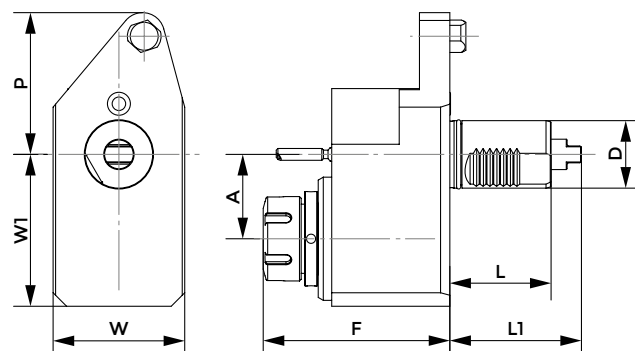
RADIAL DRILLING AND MILLING HEAD



MAZAK

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54049	40	ER32	NO	DX	100	59	87,6	60	61	79	137	76	50	6000	1:1	-

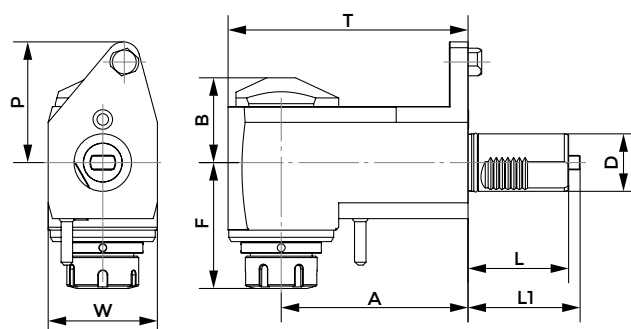
AXIAL DRILLING AND MILLING HEAD



MAZAK

COD.	D	ER	INTERNAL COOLING	F	A	L	L1	P	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54019	40	ER32	NO	110,6	50	60	78	84	78	90	50	6000	1:1	-
116-54044	40	ER32	YES	110,6	50	60	78	84	78	90	50	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD

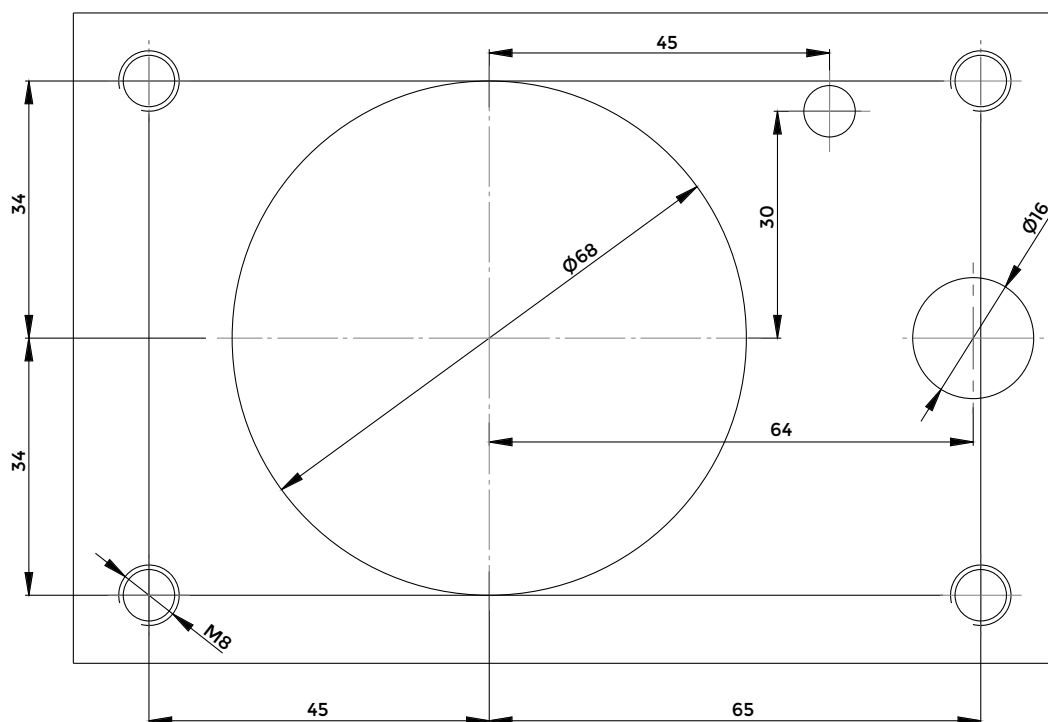


MAZAK

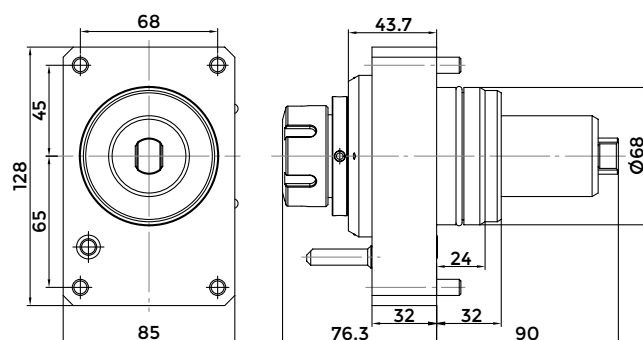
COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	L	L1	P	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54020	40	ER32	NO	DX	130	62	87,6	70	78	84	167	76	50	6000	1:1	-
116-54040	40	ER32	NO	SX	130	62	87,6	70	78	84	167	76	50	6000	1:1	-
116-54041	40	ER32	YES	DX	130	62	87,6	70	78	84	167	76	50	6000	1:1	20
116-54093	40	ER32	YES	DX	100	62	87,6	60	61	68	137	76	50	6000	1:1	20
116-54095	40	ER32	YES	SX	100	62	87,6	60	61	68	137	76	50	6000	1:1	-
116-54096	40	ER32	YES	DX	100	62	87,6	60	61	68	137	76	50	6000	1:1	80

MAZAK BMT68 - QTC/QTU 100-350 M/MY/MS/MSY - QT/QTS 100-250 M/MY/MS/MSY
QT 200-250 M/MY/MS/MSY (16D)

CONNECTION TURRET MAZAK BMT68



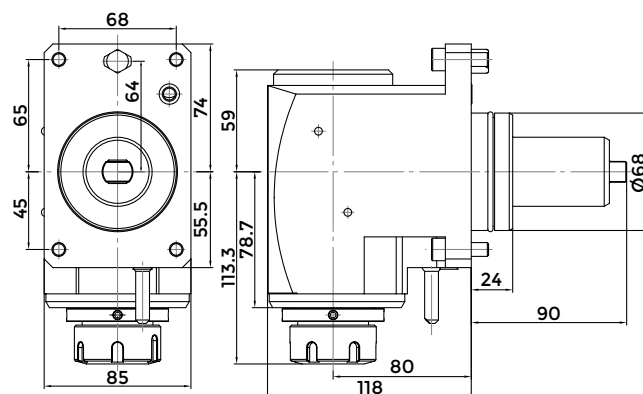
AXIAL DRILLING AND MILLING HEAD



MAZAK BMT68

COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-06805	ER32	12000	1:1	70	NO	-
124-06806	ER32	12000	1:1	70	YES	20

RADIAL DRILLING AND MILLING HEAD

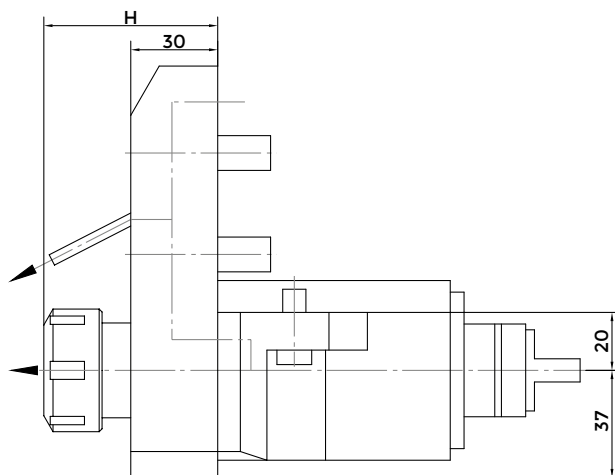


MAZAK BMT68

COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-06807	ER32	6000	1:1	70	NO	-
124-06808	ER32	6000	1:1	70	YES	20
124-06809	ER32	6000	1:1	70	YES	80

DMG MORI SEIKI / CMZ - CL 200/203 - SL 20/25 - SL 203/204/250/253 - SL 254 (MC,SMC)/2500Y
SL 203MC - SL 253MC - ZL 200MC - ZL 250SMC - SL 204SMC - SL 300MC - TBI 520 - TL 20/25 - TC 15/20/25/30/35
TA 15M/Y/MS/MY/YS - TA 20M/Y/MS/MY/YS - TA 25M/Y/MS/MY/YS - TA 30M/Y/MS/MY/YS - TD 15/20/25/30/35/45
TD 55M/Y/MS/MY/YS

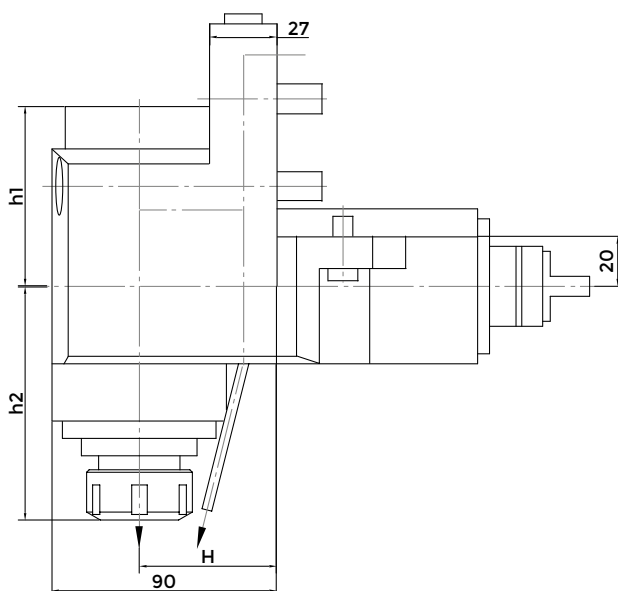
AXIAL DRILLING AND MILLING HEAD



DMG MORI SEIKI CMZ

COD.	ER	H	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-00001	ER32	55.5-60	6000	1:1	70	NO	-
124-00002	ER32	55.5-60	6000	1:1	70	YES	80

RADIAL DRILLING AND MILLING HEAD

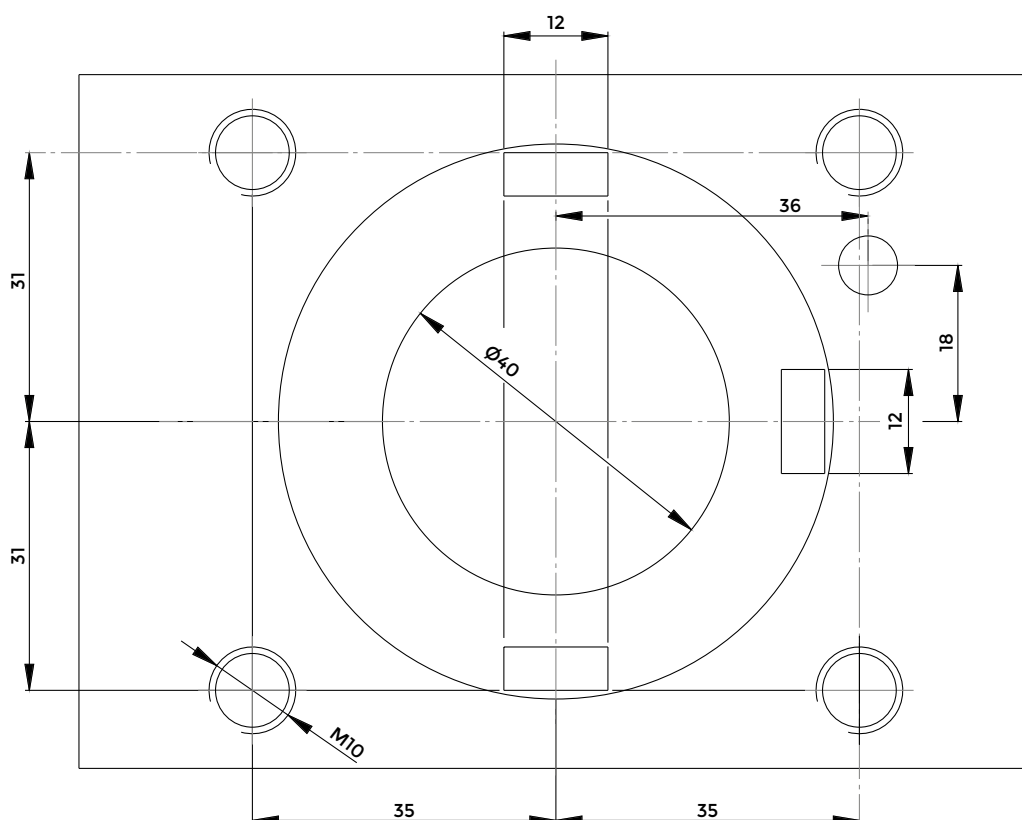


DMG MORI SEIKI CMZ

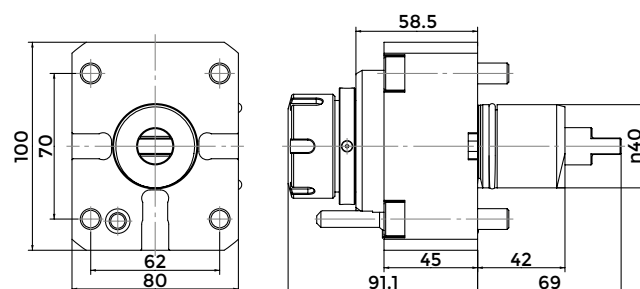
COD.	ER	H	h1	h2	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-00003	ER32	55	57	89-93.5	6000	1:1	70	NO	-
124-00004	ER32	55	72	89-93.5	6000	1:1	70	YES	80

DMG MORI SEIKI BMT40 - NZ 1500/2000/3100 - NZ/NTZ 1000/2000/3000/3100/3150/3200
NZ/NZX 2000/2500 (16 station turret) - NL/NLX 1500/2000/2500 (20 station turret) - DURATURN 2050/2550 MC
LTX310ECO-BMT

CONNECTION TURRET DMG MORI SEIKI BMT40



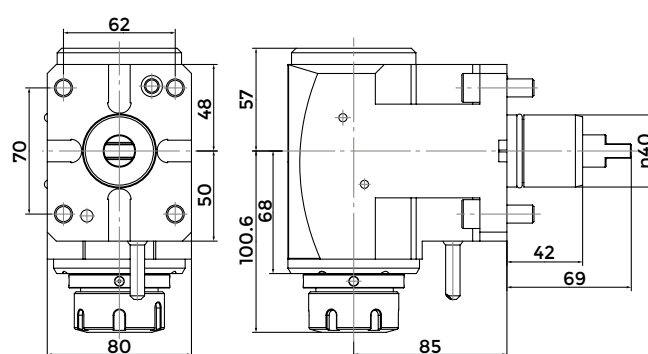
AXIAL DRILLING AND MILLING HEAD



DMG MORI BMT40

COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04005	ER32	12000	1:1	50	NO	-
124-04006	ER32	12000	1:1	50	YES	20

RADIAL DRILLING AND MILLING HEAD

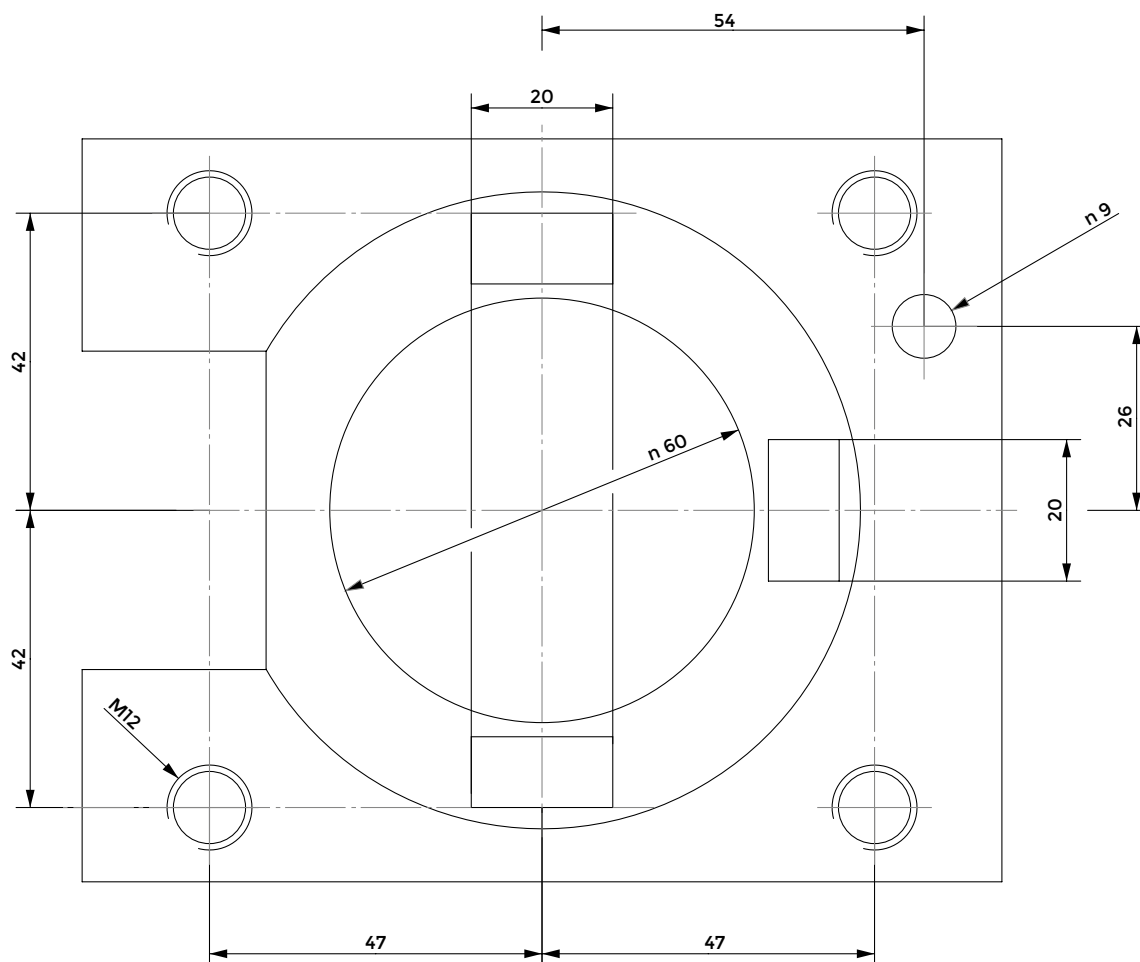


DMG MORI BMT40

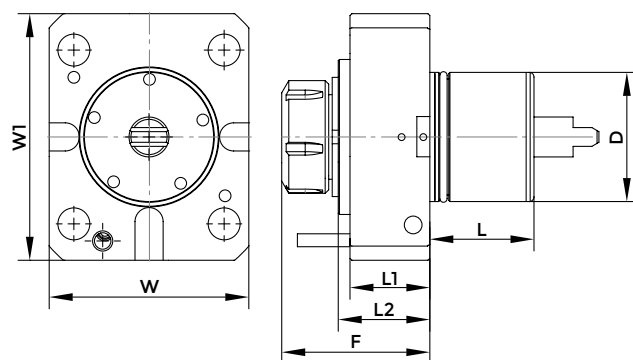
COD.	ER	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04007	ER32	6000	1:1	50	NO	-
124-04008	ER32	6000	1:1	50	YES	20

MORI SEIKI SEIKI BMT60 - DURATURN 2050/25550MC (16 stazioni) - NLX1500 (12 stazioni) - NLX2000
NLX2500 - NLX3000 - NLX4000 - NL2000 (S)MC - 2500 (S)MC - NL3000MC (12 stazioni) - NRX2000MC (10 stazioni)
NT3100 - NT3200 - NT3250 - NT4200 - NT4250 - NT4300 - NT5400 - NZL2500 - NT4000 - NT5000 - NZL 2000/2500
NZX 2500 (station turret) - NTX 1000/2000/2500/3000 - 2ND GEN. 10 ST. - (TX2500 BMT60) - TAKISAWA TM-2000 Y2

CONNECTION TURRET MORI SEIKI BMT60



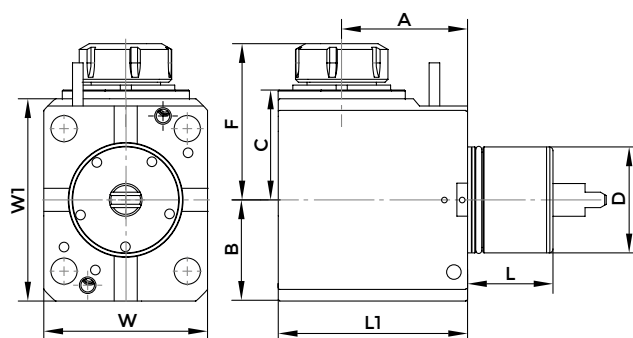
AXIAL DRILLING AND MILLING HEAD



MORI SEIKI BMT60

COD.	ER	D	F	L	L1	L2	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	INTERNAL COOLING	P Bar
124-06001	ER32	60	89	53	48,5	58	108	130	70	6000	1:1	NO	-
124-06003	ER32	60	89	53	48,5	58	108	130	70	6000	1:1	YES	20

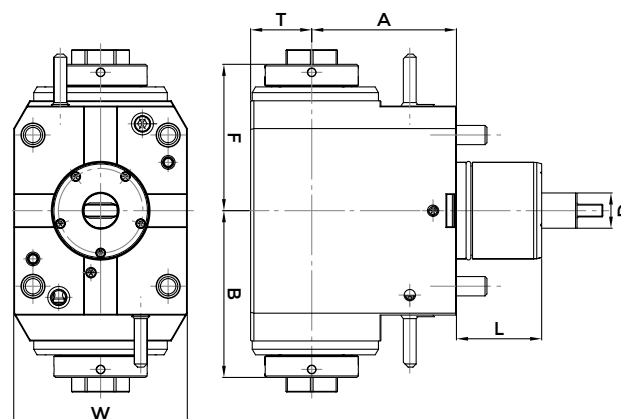
RADIAL DRILLING AND MILLING HEAD



MORI SEIKI BMT60

COD.	ER	D	F	L	L1	A	B	C	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	INTERNAL COOLING	P Bar
124-06002	ER32	60	107	53	128	90	65	78	108	130	70	6000	1:1	NO	-
124-06004	ER32	60	107	53	128	90	65	78	108	130	70	6000	1:1	YES	20

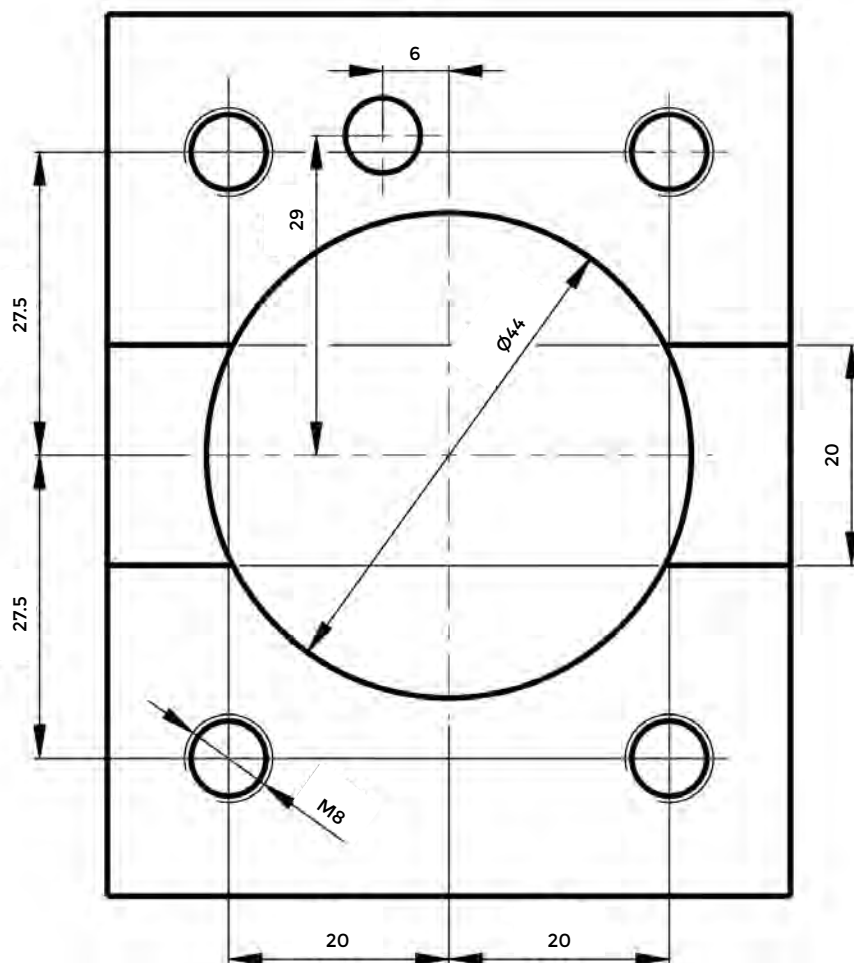
DOUBLE RADIAL DRILLING AND MILLING HEAD WITH INTERNAL NUT



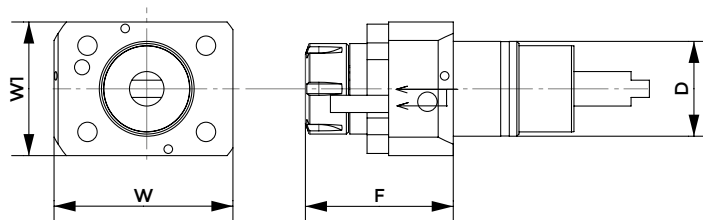
DOUBLE MORI SEIKI

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06603	60	32	NO	DX/SX	90	103.8	91	38	108	53	70	6000	1:1	-

CONNECTION TURRET NAKAMURA - TOME - BMT44



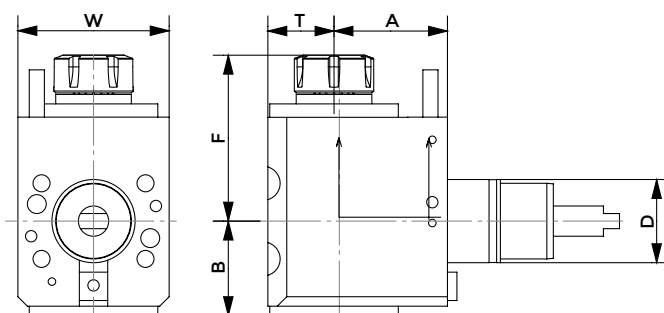
AXIAL DRILLING AND MILLING HEAD



NAKAMURA - TOME

COD.	D	ER	INTERNAL COOLING	F	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-04402	44	ER25	YES	68.6	83	62	40	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD



NAKAMURA - TOME

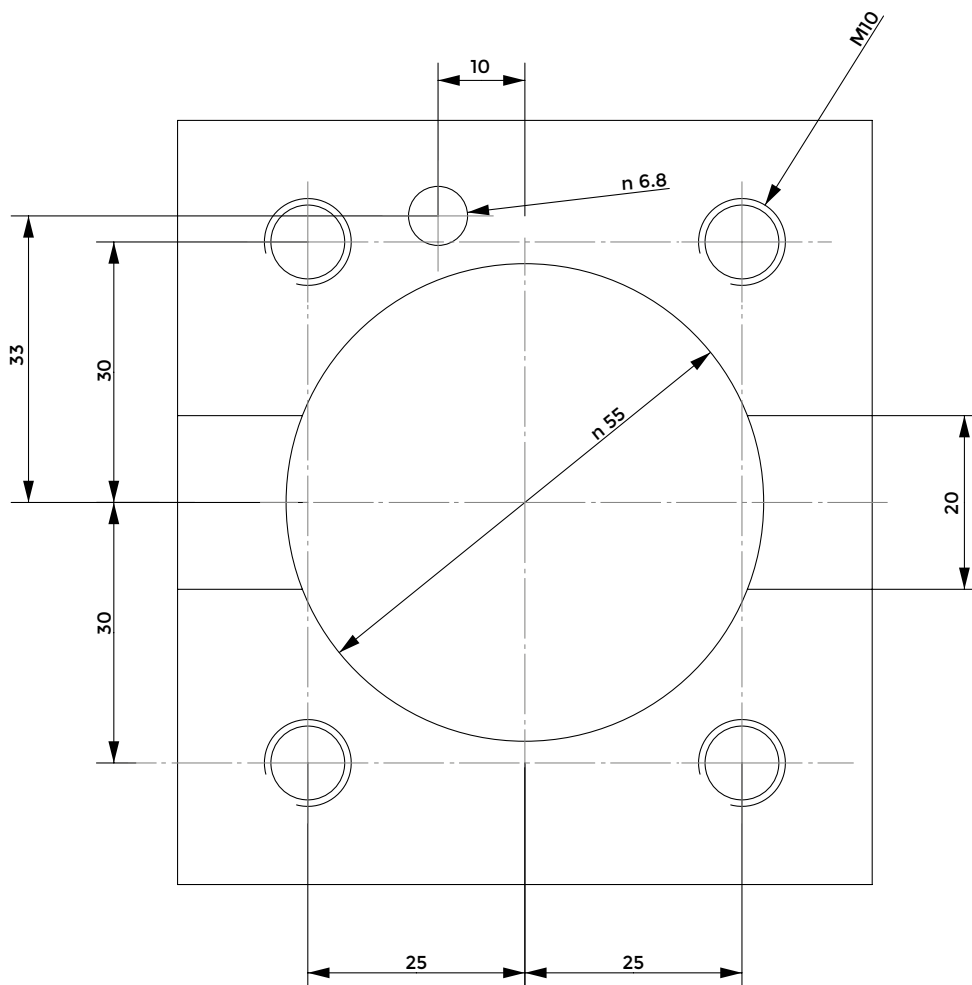
COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-04403	44	ER25	NO	DX/SX	60	50,3	87,8	35	80	28	6000	1:1	-
124-04404	44	ER25	YES	DX/SX	60	50,3	87,8	35	80	28	6000	1:1	20
124-04405	44	ER25	NO	DX/SX	75	50	89	35	78	28	6000	1:1	-
124-04406	44	ER25	YES	DX/SX	75	50	89	35	78	28	6000	1:1	80

NAKAMURA - TOME - BMT55

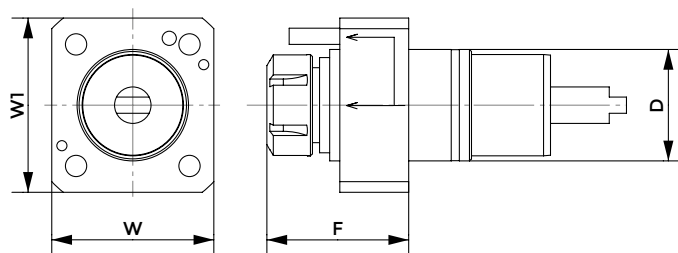
NAKAMURA - TOME - BMT55 - AS-200 /NTM 3 / NTY3-250 - SC-150M - SC-200MY - SC-250M
SuperNTJ - TMC-20 II M/ML - TW-10 - TW-20 - WT-20 II M/MY - WT150/200 - WT-250 - WTS-150 - WTW-150/160
WT200 II (M,MY) - WY-250

CMZ - TX52/66 - SUPER NTJ/NTM3 - SC150/250 - TX52 Y3-Y2 QUATTRO-Y2 TW IN - TX66 Y3-Y2 QUATTRO-Y2 TW IN
TTL52 - TTL66 - TA15-20-25-30M/Y/MS/MY/YS 15ST

CONNECTION TURRET NAKAMURA - TOME - BMT55



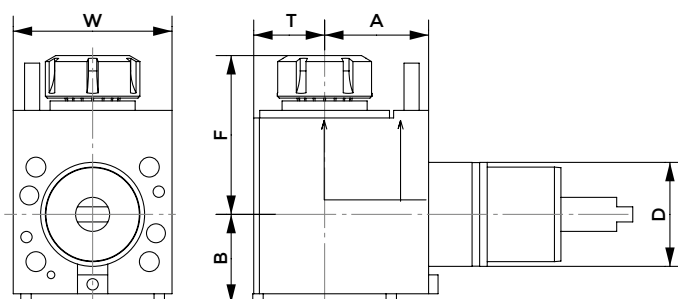
AXIAL DRILLING AND MILLING HEAD



NAKAMURA - TOME

COD.	D	ER	INTERNAL COOLING	F	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-05507	55	ER25	NO	78	80	86	50	6000	1:1	-
124-05508	55	ER25	YES	78	80	86	50	6000	1:1	20
124-05529	55	ER32	NO	78	80	86	50	6000	1:1	-

RADIAL DRILLING AND MILLING HEAD

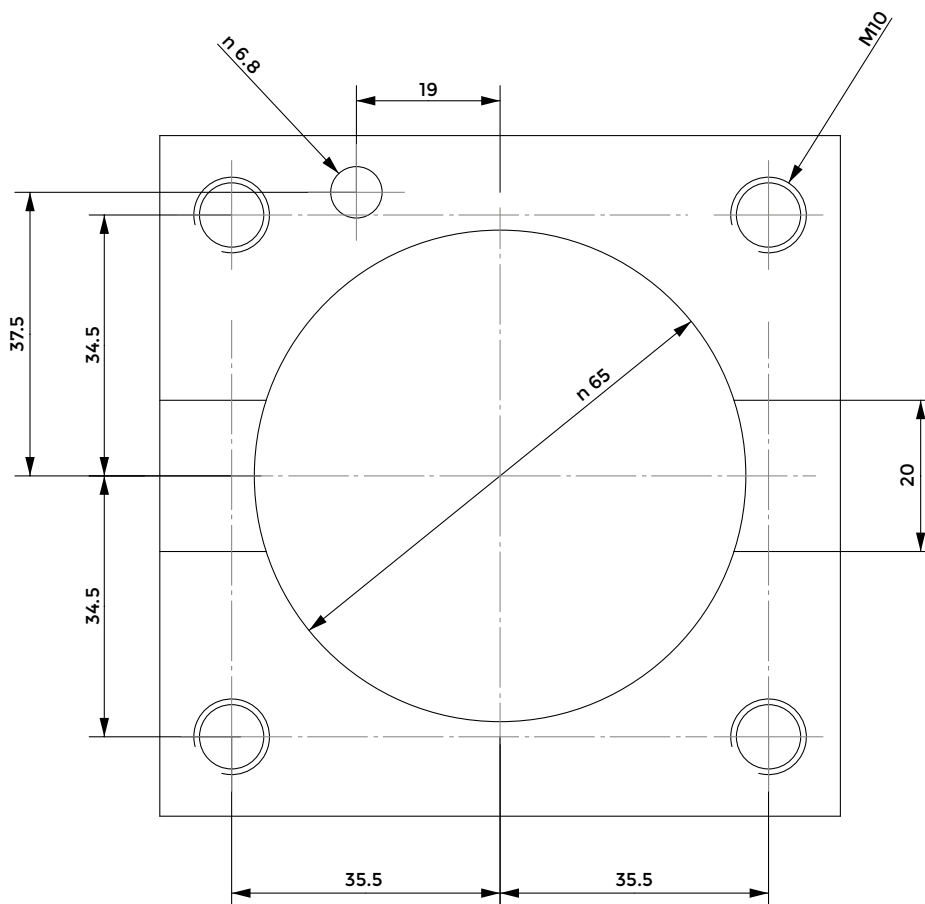


NAKAMURA - TOME

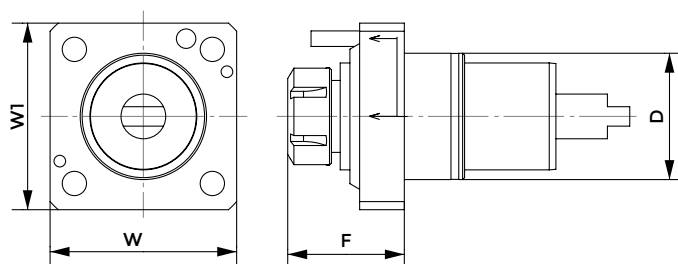
COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-05509	55	ER25	NO	DX/SX	55	50,3	74,8	35	84	28	6000	1:1	-
124-05510	55	ER25	YES	DX/SX	55	50,3	74,8	35	84	28	6000	1:1	20
124-05517	55	ER25	YES	DX/SX	55	50,3	74,8	35	84	28	6000	1:1	80

NAKAMURA - TOME - BMT65 - WT300 - SC300 - TW20 - TMC-200M - TMC-300M - SUPER NTX
TW20M /MY/MM/MMY/MMYY (12 stations) - TW30M/MY/MM/MMY/MMYY (16 stations)

CONNECTION TURRET NAKAMURA - TOME - BMT65



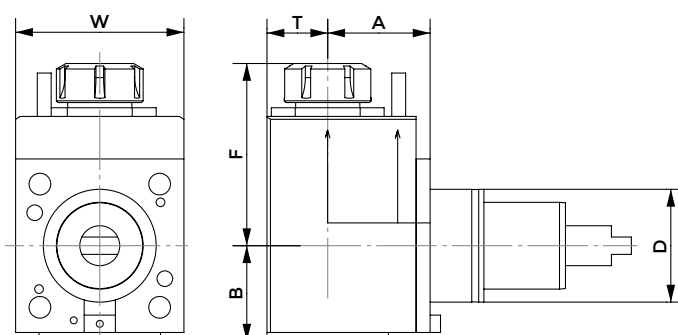
AXIAL DRILLING AND MILLING HEAD



NAKAMURA - TOME

COD.	D	ER	INTERNAL COOLING	F	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06504	65	ER32	NO	75	96	96	70	6000	1:1	-
124-06505	65	ER32	YES	75	96	96	70	6000	1:1	20

RADIAL DRILLING AND MILLING HEAD



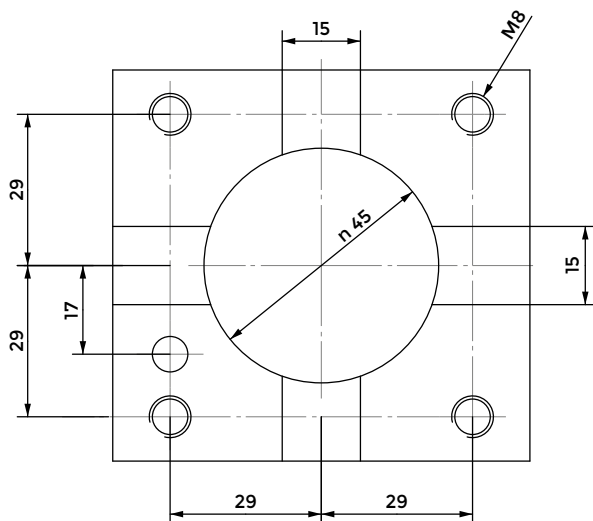
NAKAMURA - TOME

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06506	65	ER32	NO	DX/SX	65	59	110	38	96	70	6000	1:1	-
124-06507	65	ER32	YES	DX/SX	65	59	110	38	96	70	6000	1:1	20

BMT45

DOOSAN - LYNX 2100MA/220 (LMSA,LMSC) 220 (LSYA,LSYC) - 220 (M,LM)
 LYNX 220 (MA,LMA,MC,LMC) - 220 (YA,YC,LYA,LYC) 220 (YA,YC,LYA,LYC) - PUMA MX1600 (T,ST)
HARDINGE - BMT45
SMEC - PL1600 (M,CM)

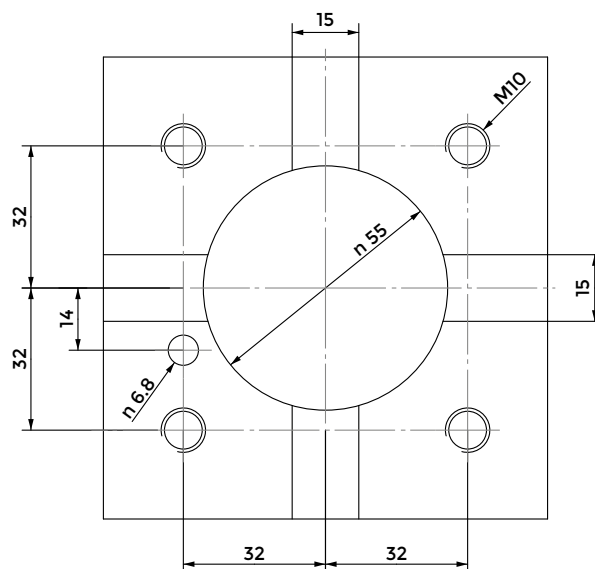
CONNECTION TURRET BMT45



BMT55

DOOSAN - LYNX 300 (M) - PUMA 1500/2000/2500 (M,S,Y) - PUMA 2100 (Y,LY,SY,LSY) - PUMA 2100/2600/3100 M/Y/MS/SY PUMA 230/240/280 (M,LM,S) - PUMA GT2100M - PUMA MX2100 (ST/LST) PUMA TL2000/2500 (M,LM)
HARDINGE - BMT55
HWACHEON - CUTEX-160
SMEC/SAMSUNG - SL 20MC
HYUNDAI WIA - SKT-180TTSY
VICTOR - VTURN-A16/A20 (YSCM)

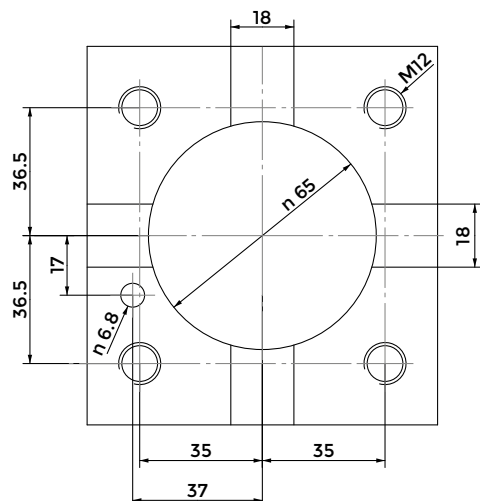
CONNECTION TURRET BMT55



BMT65

DOOSAN - PUMA 2100/2600 (M,LM,MS,LMS) - PUMA 2100/2600 (Y,LY,SY,LSY) - PUMA 300 (M,MS,MB,MC) - PUMA 3100 (M,LM,LY,XLM, XLY,ULM,ULY) - PUMA MX2000/2500 - PUMA MX2600 (T,ST) - PUMA TT2500 (MS/SY) - PUMA V400 (M) - PUMA VT450 (M,SP)
HWACHEON - CUTEX-240 - HI-TECH200/T2-Series HI-TECH300/400 - VT-450
HYUNDAI WIA - L2100SY - SKT-200/250TTSY SKT-250/300 (L,M) - SKT-250/300 (MS)
MAXSIN - BMT65
SMEC/SAMSUNG - SL25 - SL35
TONGTAI - TMT2000
VICTOR - VTURN-A26 (YSCM)

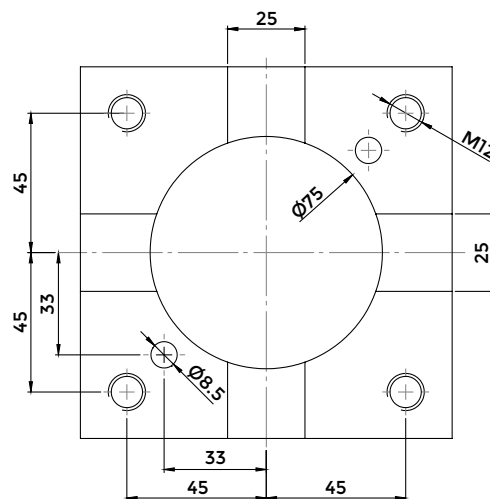
CONNECTION TURRET BMT65



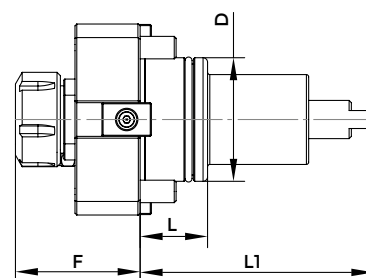
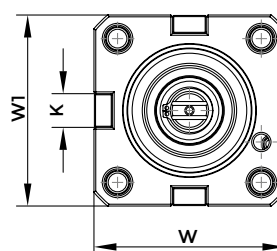
BMT75

DOOSAN - PUMA 400/480 (M,LM,XLM) - 500 (M) - V550 (M) - VT750 (TM, 2SP)
SAMSUNG - PL 45LM - HYUNDAI WIA - LV800RM - SKT400M/MA/MC/LMC
HYUNDAI WIA - LV800RM - SKT400M/MA/MC/LMC
HWACHEON - HI-TECH 550/700/7026 - VT-550

CONNECTION TURRET BMT75



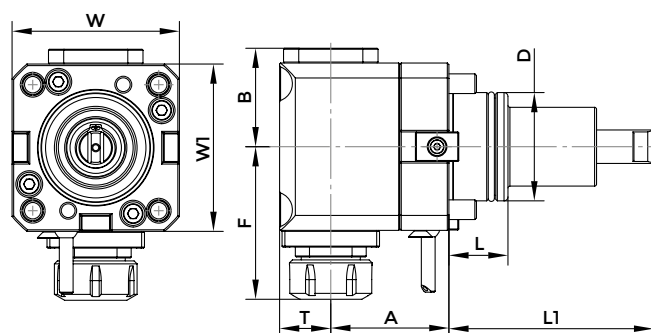
AXIAL DRILLING AND MILLING HEAD



BMT

COD.	BMT	ER	D	F	K	L	L1	W	W1	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04501	45	ER25	45	67,6	15	40	84	78,5	75	6000	1:1	50	NO	-
124-04502	45	ER25	45	67,6	15	40	84	78,5	75	6000	1:1	50	YES	20
124-05501	55	ER25	55	71	15	30	104	85	85	6000	1:1	50	NO	-
124-06509	55	ER25	55	71	15	30	104	85	85	6000	1:1	50	YES	20
124-06518	55	ER32	55	71	15	30	104	85	85	6000	1:1	50	YES	20
124-05525	55	ER32	55	73	15	30	104	87	85	6000	1:1	50	NO	-
124-06501	65	ER32	65	75	18	32	112	94	94	6000	1:1	70	NO	-
124-06508	65	ER32	65	75	18	32	112	94	94	6000	1:1	70	YES	20
124-06518	65	ER32	65	76	18	32	112	95	95	6000	1:1	70	YES	20
124-07506	75	ER32	75	67	25	43	110	112	112	6000	1:1	80	NO	-
124-07507	75	ER40	75	67	25	43	110	112	112	6000	1:1	80	NO	-

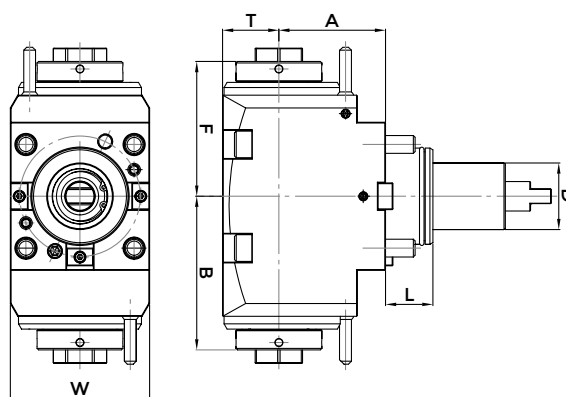
RADIAL DRILLING AND MILLING HEAD



BMT

COD.	BMT	ER	D	A	B	F	L	L1	T	W	WI	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04503	45	ER25	45	65	57	97,6	40	84	36,5	75	83	6000	1:1	50	NO	-
124-04504	45	ER25	45	65	57	97,6	40	84	36,5	75	83	6000	1:1	50	YES	20
124-04505	45	ER25	45	65	57	97,6	40	84	36,5	75	83	6000	1:1	50	NO	-
124-05502	55	ER25	55	70	57	98	30	104	36,5	85	98	6000	1:1	50	NO	-
124-06510	55	ER25	55	70	57	98	30	104	36,5	85	98	6000	1:1	50	YES	20
124-05511	55	ER25	55	85	57	98	30	104	36,5	85	98	6000	1:1	50	NO	-
124-05512	55	ER25	55	85	57	98	30	104	36,5	85	98	6000	1:1	50	YES	20
124-06520	55	ER25	55	85	57	98	30	104	36,5	85	98	6000	1:1	50	YES	80
124-05513	55	ER32	55	85	57	101	30	104	36,5	85	98	6000	1:1	50	NO	-
124-05514	55	ER32	55	85	57	101	30	104	36,5	85	98	6000	1:1	50	YES	20
124-05526	55	ER32	55	85	57	101	30	104	36,5	85	108	6000	1:1	50	NO	-
124-05527	55	ER32	55	85	57	101	30	104	36,5	85	108	6000	1:1	50	YES	20
124-05528	55	ER32	55	85	68	101	30	104	36,5	85	108	6000	1:1	50	YES	80
124-06502	65	ER32	65	72	59	111	32	112	38	94	100	6000	1:1	70	NO	-
124-06512	65	ER32	65	72	59	111	32	112	38	94	100	6000	1:1	70	YES	20
124-06521	65	ER32	65	72	59	111	32	112	38	94	100	6000	1:1	70	YES	80
124-06513	65	ER32	65	100	59	111	32	112	38	94	100	6000	1:1	70	NO	-
124-06514	65	ER32	65	100	59	111	32	112	38	94	100	6000	1:1	70	YES	20
124-07508	75	ER32	75	100	76	104	43	90	44	112	110	6000	1:1	80	NO	-
124-07509	75	ER32	75	100	76	104	43	90	44	112	110	6000	1:1	80	YES	20
124-07510	75	ER32	75	100	76	104	43	110	44	112	110	6000	1:1	80	NO	-
124-07511	75	ER32	75	100	76	104	43	110	44	112	110	6000	1:1	80	YES	20
124-07512	75	ER40	75	100	76	104	43	90	44	112	110	6000	1:1	80	NO	-
124-07513	75	ER40	75	100	76	104	43	90	44	112	110	6000	1:1	80	YES	20
124-07514	75	ER40	75	100	76	104	43	110	44	112	110	6000	1:1	80	NO	-
124-07515	75	ER40	75	100	76	104	43	110	44	112	110	6000	1:1	80	YES	20

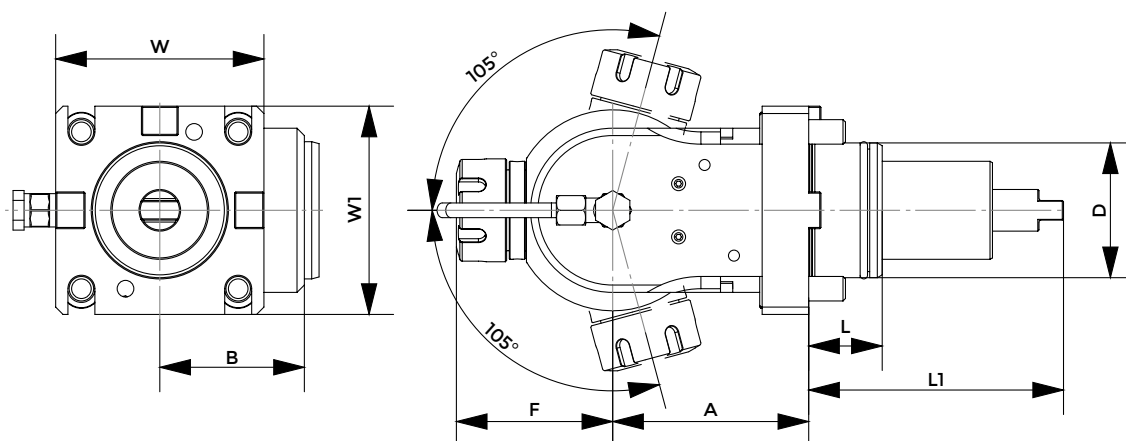
DOUBLE RADIAL DRILLING AND MILLING HEAD WITH INTERNAL NUT



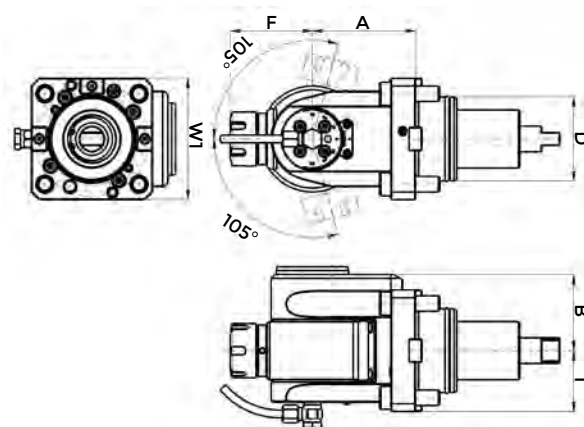
DOUBLE BMT

COD.	D	ER	INTERNAL COOLING	DIRECTION	A	B	F	T	W	L	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
124-06605	65	32	NO	DX/SX	72	104	91	38	94	32	70	6000	1:1	-
124-06606	65	32	YES	DX/SX	72	104	91	38	94	32	70	6000	1:1	20

DOOSAN - BMT



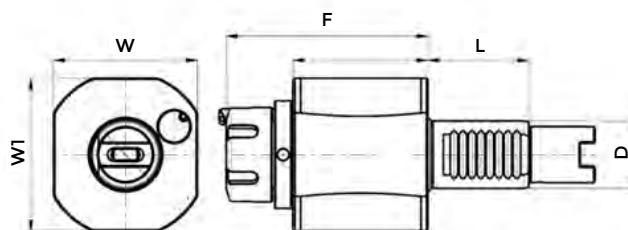
AXIAL - RADIAL DRILLING AND MILLING HEAD



BMT

COD.	BMT	ER	D	A	B	T	F	L	L1	W	W1	MAX SPEED (Rpm)	RATIO	MAX TORQUE (Nm)	INTERNAL COOLING	P Bar
124-04506	45	ER25	45	80	59	40	65	40	84	80	80	6000	1:1	16	NO	-
124-04507	45	ER25	45	80	59	40	65	40	84	80	80	6000	1:1	16	YES	20
124-05515	55	ER25	55	80	59	42,5	63,8	30	104	85	85	6000	1:1	16	NO	-
124-05516	55	ER25	55	80	59	42,5	63,8	30	104	85	85	6000	1:1	16	YES	20

AXIAL DRILLING AND MILLING HEAD INDEX/TRAUB

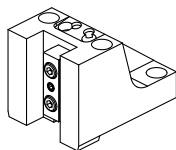


INDEX /TRAUB

COD.	D	ER	INTERNAL COOLING	F	L	W	W1	MAX TORQUE (Nm)	MAX SPEED (Rpm)	RATIO	P Bar
116-54061	30	ER25	NO	90	45	64	68	28	6000	1:1	-
116-54062	30	ER25	YES	90	45	64	68	28	6000	1:1	20
116-54063	40	ER32	NO	106	53	80	86	50	6000	1:1	-
116-54064	40	ER32	YES	106	53	80	86	50	6000	1:1	20

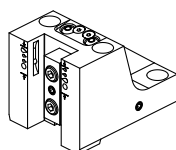
BIGLIA - B301/445/470/501(Y-S)/510/545/550/565/650/658/1200/446/465/745/765-B750/1250 16 ST.

FACE AND O.D. CUTTING HOLDER



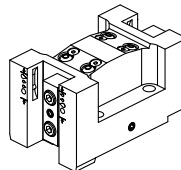
128-41524 - 20x20 mm
128-41525 - 25x25 mm

FACE AND O.D. CUTTING HOLDER



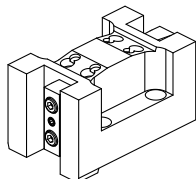
128-41525-IC - 25x25 mm
IC-TOOLTEK

FACE AND O.D. CUTTING HOLDER



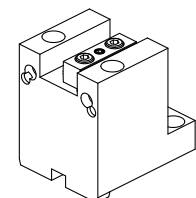
128-41527-IC - 20x20 mm
IC-TOOLTEK

FACE AND O.D. CUTTING HOLDER



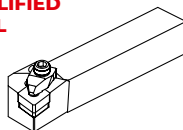
128-41527 - 20x20 mm

FACE AND O.D. CUTTING HOLDER

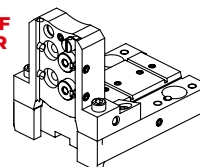


128-31515 - 20x20 mm

QUALIFIED TOOL



CUT-OFF HOLDER



128-11566 - 26 mm
128-11567 - 32 mm

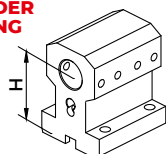


CUT-OFF TOOL



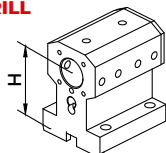
ACCESSORIES

TOOLHOLDER FOR BORING BAR



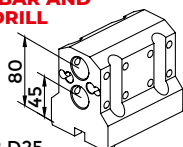
128-21538 D32 H=80
128-21540 D32 H=100
128-21548 D40 H=80

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



128-21539 D32 H=80
128-21541 D32 H=100
128-21549 D40 H=80

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



128-21542 D25

BORING BAR SLEEVE
p. 705



D32

1376 <MT1>
1377 <MT2>

D40

3245 <MT2>
1232 <MT3>



5316 (Ø8)
5317 (Ø10)
5318 (Ø12)
5319 (Ø16)
5320 (Ø20)

5322 (Ø8)
5323 (Ø10)
5324 (Ø12)
5325 (Ø16)
5326 (Ø20)
5327 (Ø25)



5333 (Ø25)

5334 (Ø32)



9607 (Ø8)
9608 (Ø10)
9609 (Ø12)

9615 (Ø8)
9616 (Ø10)
9617 (Ø12)



9611 (Ø16)
9613 (Ø20)
9614 (Ø25)

9619 (Ø16)
9621 (Ø20)
9622 (Ø25)
9623 (Ø32)



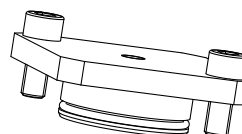
8764 (Ø16)
8766 (Ø20)
8767 (Ø25)

8768 (Ø16)
8770 (Ø20)
8771 (Ø25)
8772 (Ø32)

FAST-IN p. 490
DRIVEN TOOLS p. 298

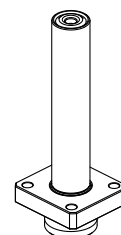


PROTECTION COVER



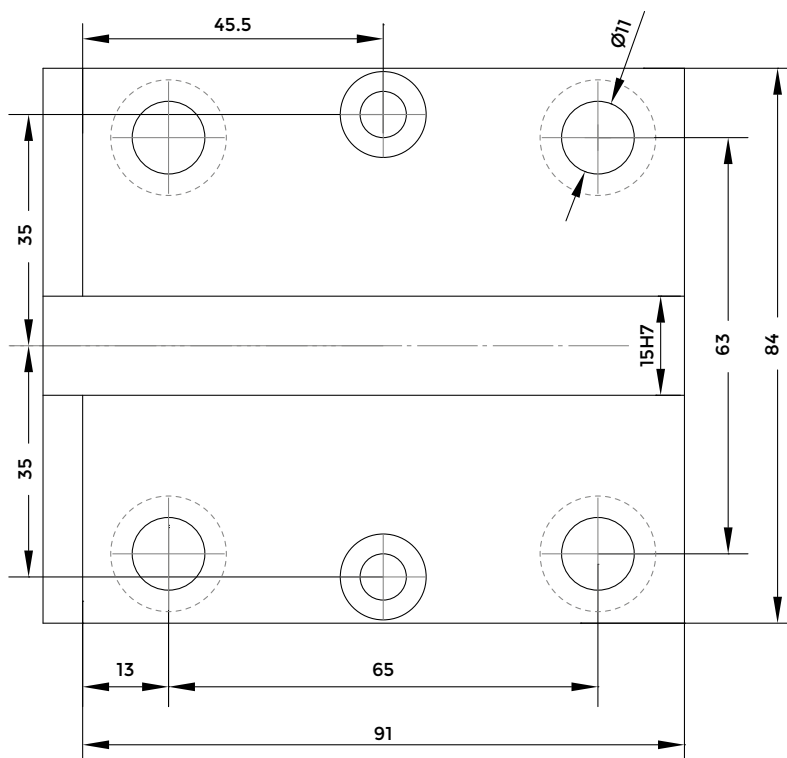
137-00244

CONTROL PIN
p. 740

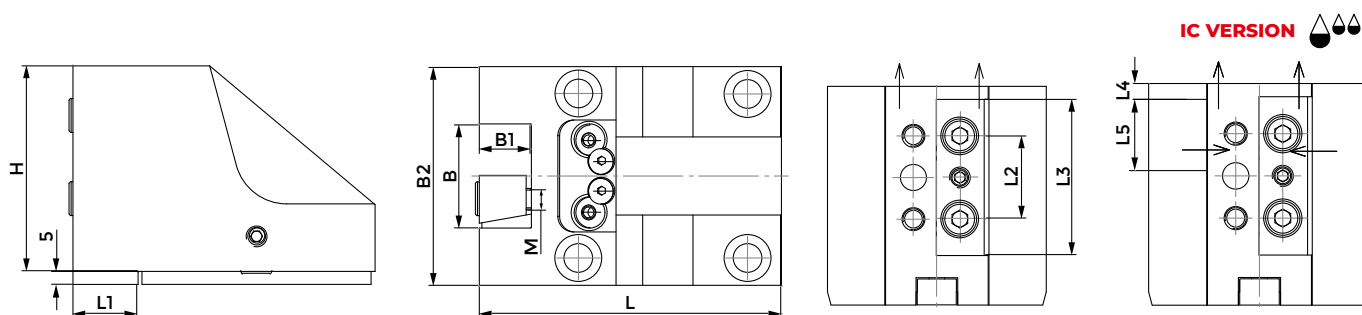


137-00209

CONNECTION



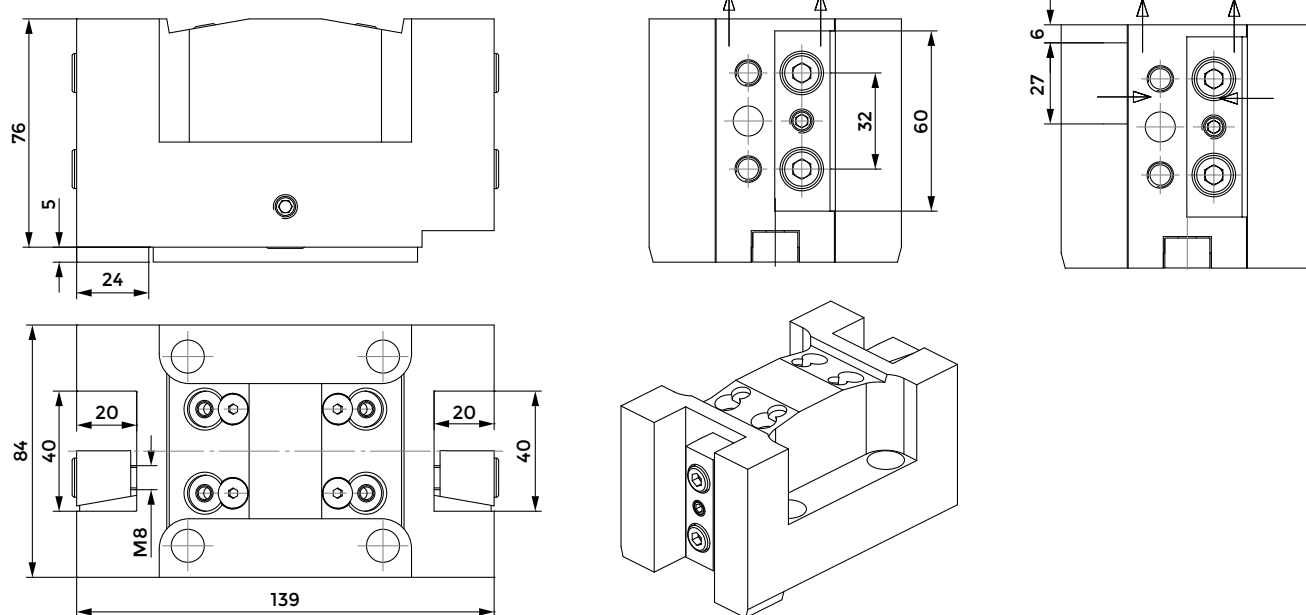
RADIAL TOOLHOLDER



COD.	INTERNAL COOLANT	B1	B	B2	L	L1	L2	L3	L4	L5	H	M
128-41524	NO	20	40	84	116	25	32	60	6	27	79	M8
128-41525	NO	25	50	98	121	30	46	80	8	32	84	M10
128-41525-IC	YES	25	50	98	121	30	46	80	8	32	84	M10

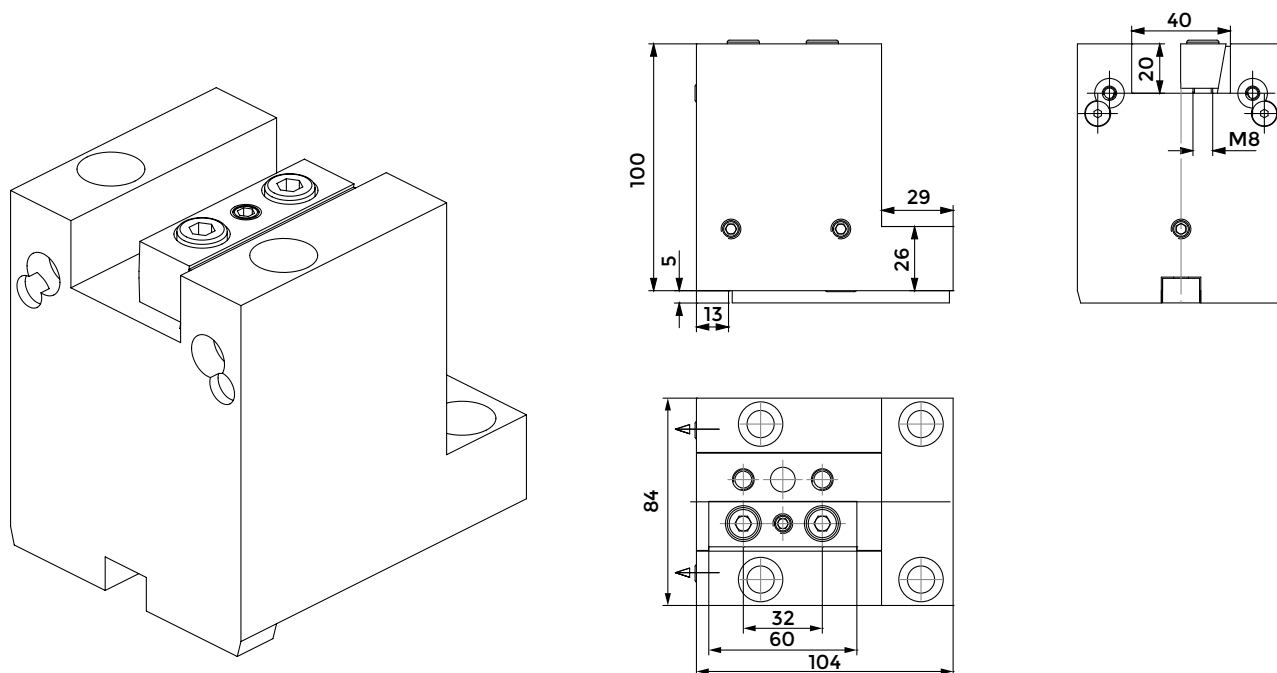
COD.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
128-41524	832-007030	814-203230	811-101016	833-001410	811-108024	823-101015
128-41525	832-007540	814-203230	811-101016	833-001410	811-108024	823-101015
128-41525-IC	832-007540	814-203230	811-101016	833-001410	811-108024	823-101015

RADIAL TOOLHOLDER



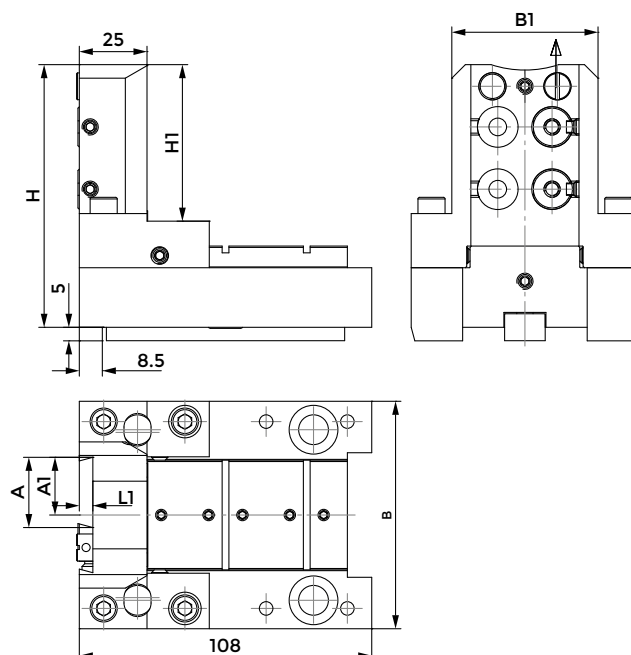
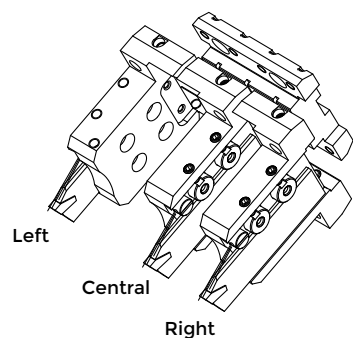
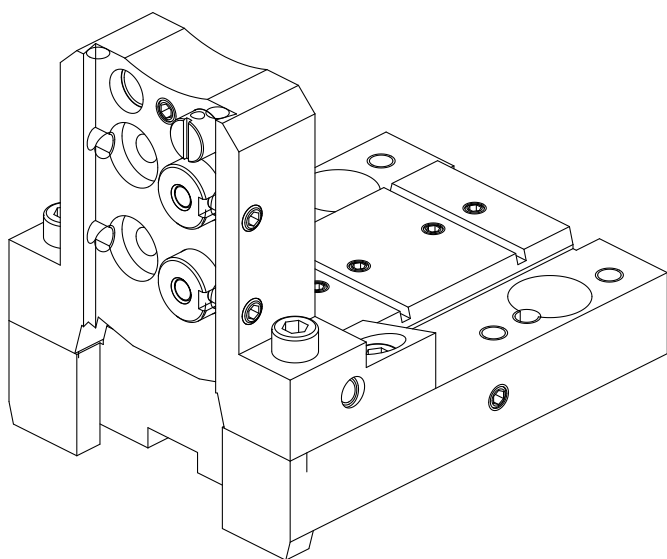
COD.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
							
128-41527	NO	832-007030	814-203230	811-101016	833-001410	811-108024	823-101015
128-41527-IC	YES	832-007030	814-203230	811-101016	833-001410	811-108024	823-101015

AXIAL TOOLHOLDER



COD.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
						
128-31515	832-007030	814-203230	811-101016	833-001410	811-108024	823-101015

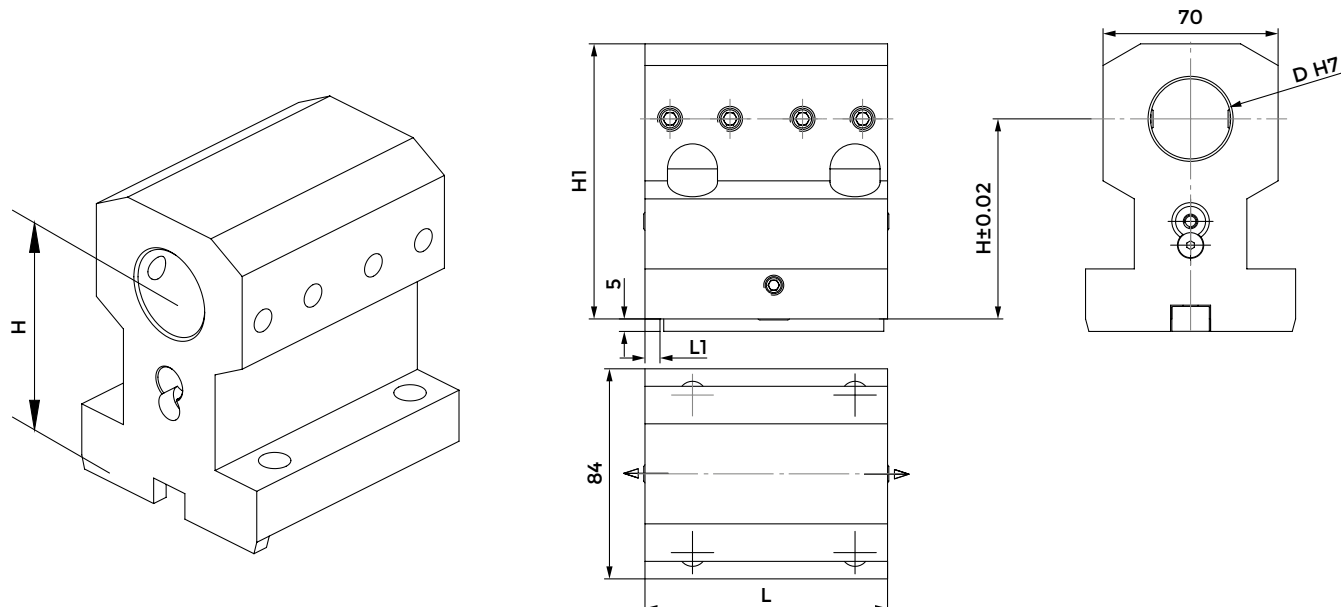
CUT-OFF HOLDER



COD.	INTERNAL COOLANT	A	A1	L1	B	B1	H	M	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR INTERNAL COOLANT
128-11566	NO	26	21.4	5	84	54	97	58					-
128-11567	NO	32	25	6	94	63	105	66					-

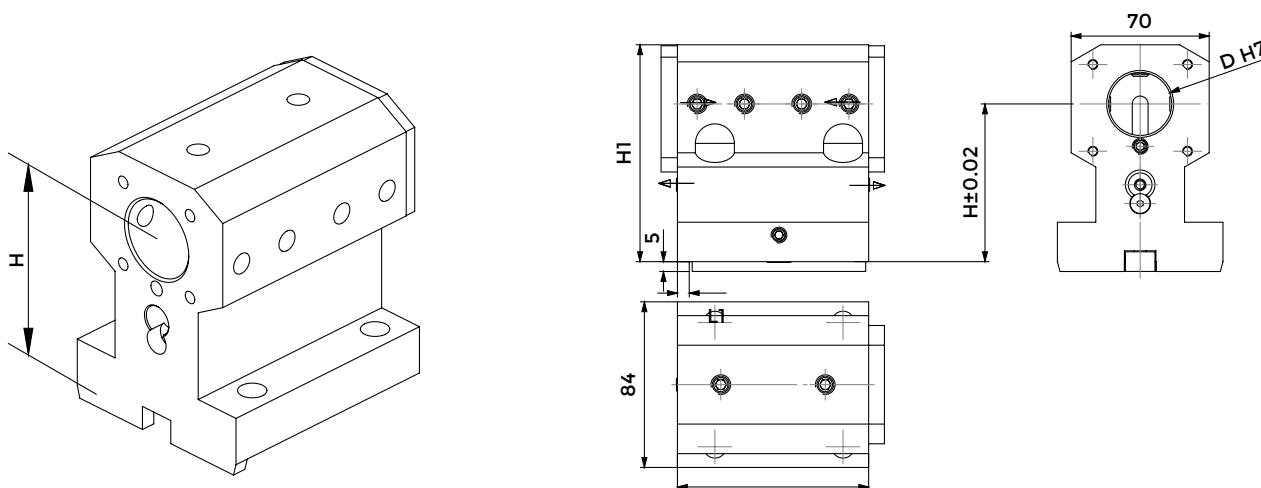
COD.	O RING FOR BODY	O RING FOR COOLANT INTAKE	SHIM PLATE	SCREW FOR PLATE	CLAMPING PLATE	SPRING	CLAMPING SCREW	SCREW
128-11566	823-101061	823-101015	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013
128-11567	823-101061	823-101015	832-014448	811-108037	832-014450	824-300012	811-101029	811-104013

TOOLHOLDER FOR BORING BAR



COD.	D	H	H1	L	L1	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
											
128-21538	32	80	110	97	6	811-102038	814-203230	811-101016	833-001410	811-108024	823-101015
128-21540	32	100	130	97	6	811-102038	814-203230	811-101016	833-001410	811-108024	823-101015
128-21548	40	80	110	106	15	811-102037	814-203230	811-101016	833-001410	811-108024	823-101015

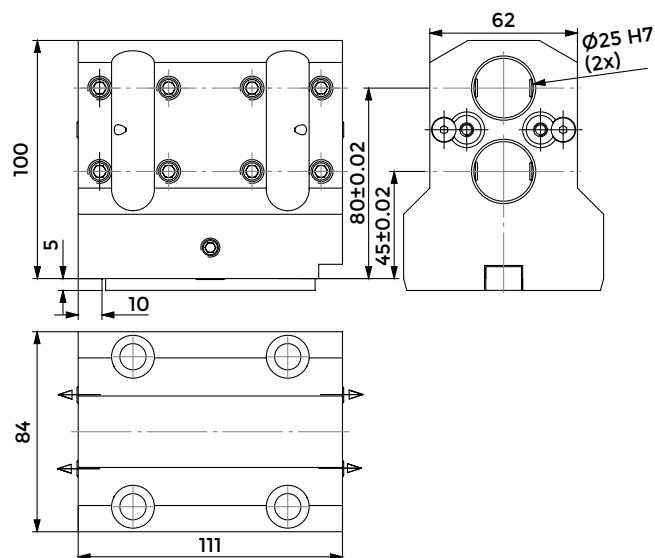
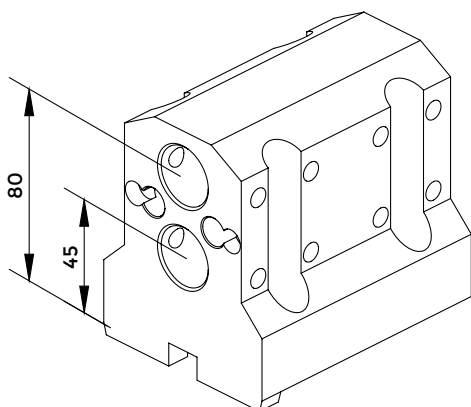
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	D	H	H1	L	L1
128-21539	32	80	110	97	6
128-21541	32	100	130	97	6
128-21549	40	80	110	97	6

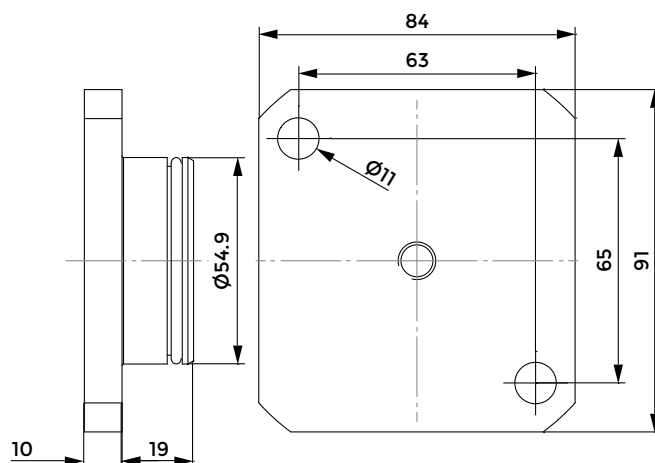
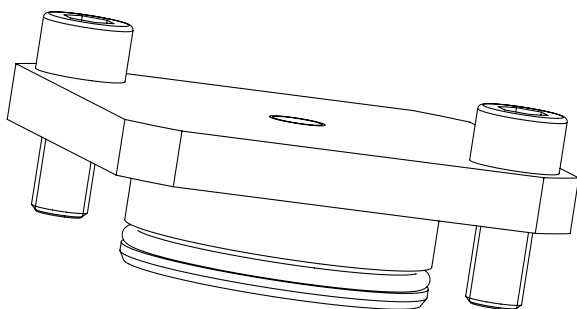
COD.	CLAMPING SCREW 1 (D32 M10X20) (D40 M10X16)	CLAMPING SCREW 2 (D32 M10X16) (D40 M10X12)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER	O RING
									
128-21539	811-102038	811-102037	814-203230	811-101016	833-001410	811-108024	832-003363	811-101016	823-101015
128-21541	811-102038	811-102037	814-203230	811-101016	833-001410	811-108024	832-003363	811-101016	823-101015
128-21549	811-102037	811-102036	814-203230	811-101016	833-001410	811-108024	832-003363	811-101016	823-101015

TOOLHOLDER FOR BORING BAR



COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	O RING
						
128-21542	811-102038	814-203230	811-101016	833-001410	811-108024	823-101015

PROTECTION COVER



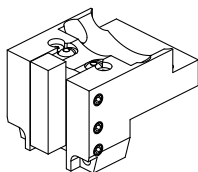
COD.	O RING
	
137-00244	823-101064

CMZ - TL15T/M/TM/S/MS - TB46/67 M/CM

MIYANO - ABX 51/64 THY/SYY

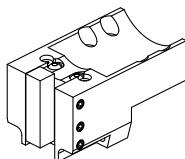
**FACE AND O.D.
CUTTING HOLDER**

KTL15/10000/06
20x20 mm



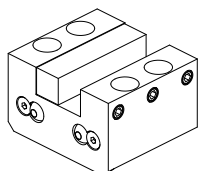
**FACE AND O.D.
CUTTING HOLDER**

KTL15/10000/45
20x20 mm



**FACE AND O.D.
CUTTING HOLDER**

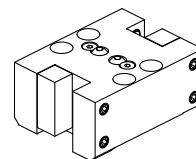
KTL15/10000/08
20x20 mm



QUALIFIED TOOL



**FACE AND O.D.
CUTTING HOLDER**

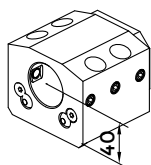


KTL15/10000/07 - 20x20 mm

ACCESSORIES

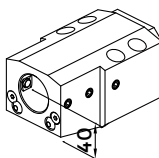
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

KTL15/10000/12
Ø40 mm



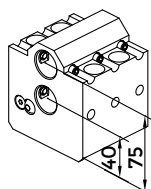
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

KTL15/10000/38
Ø40 mm

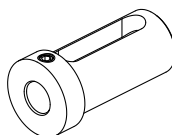


**TOOLHOLDER
FOR BORING
BAR**

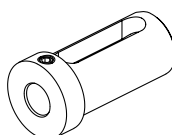
KTL15/10000/11
Ø25 mm



BORING BAR SLEEVE
p. 707

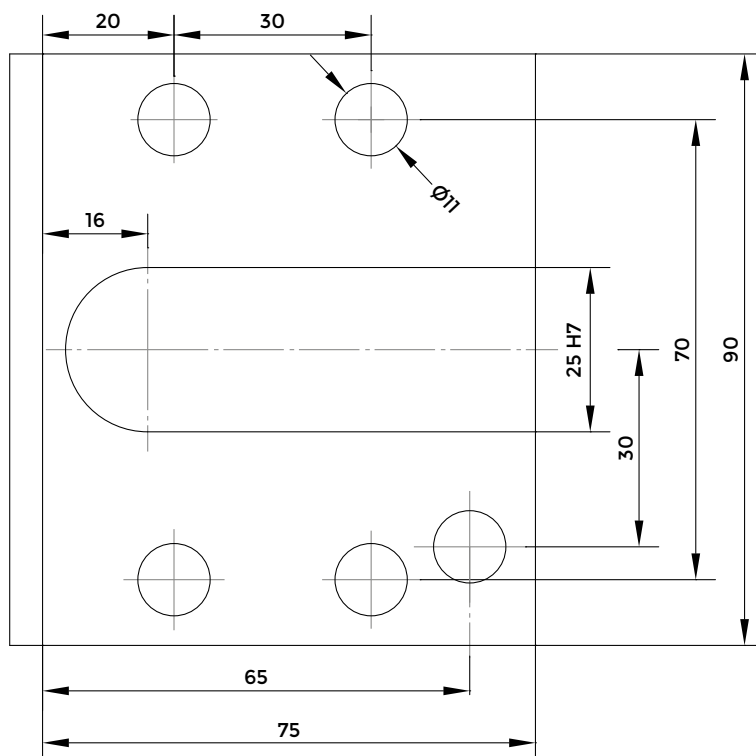


8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

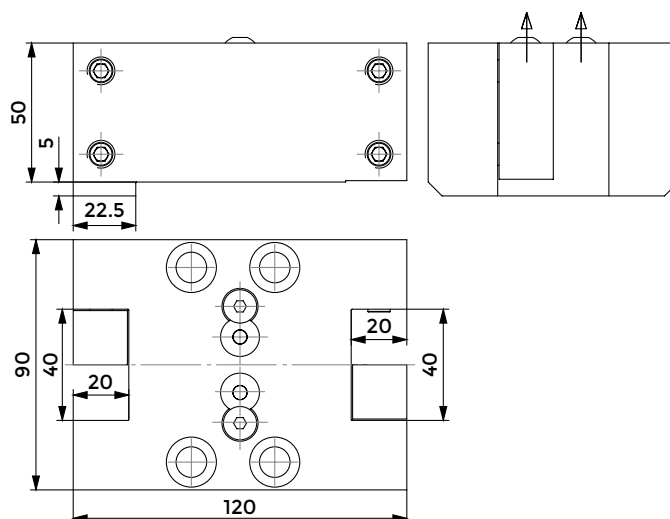
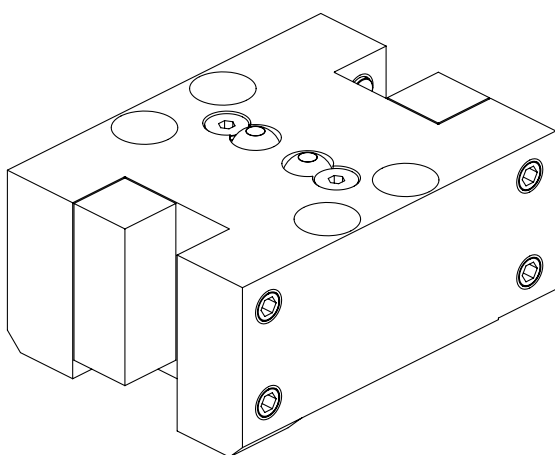


8759 (Ø12 mm)
8761 (Ø16 mm)
8763 (Ø20 mm)

CONNECTION

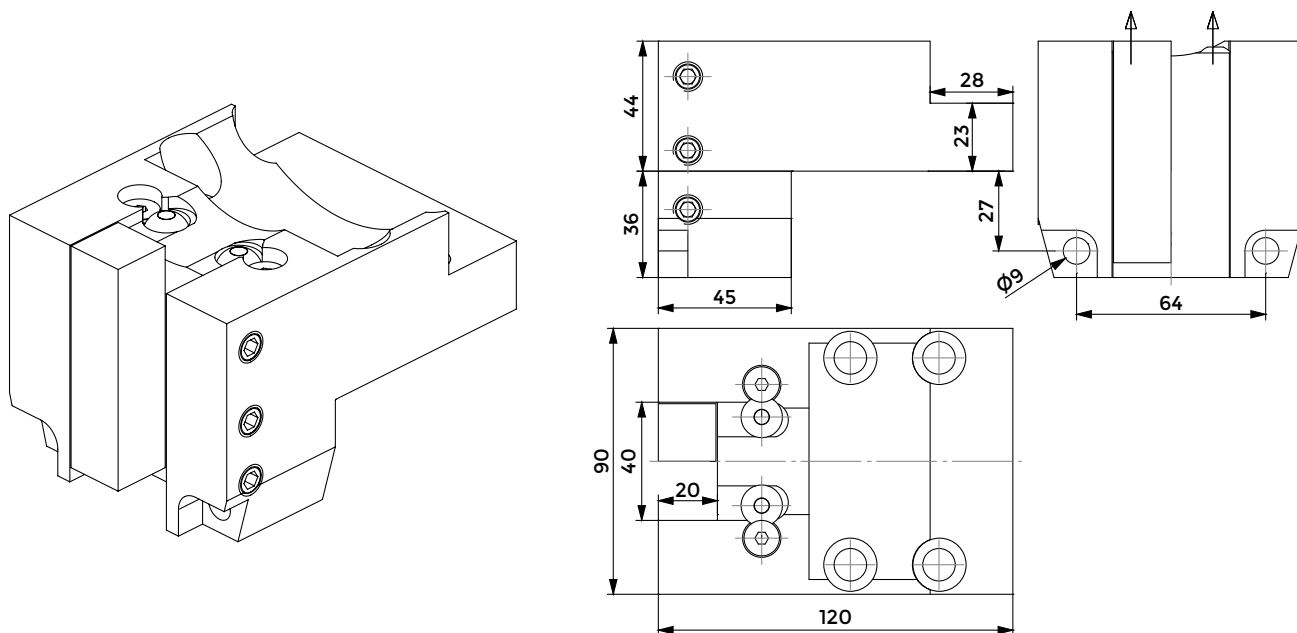


RADIAL TOOLHOLDER

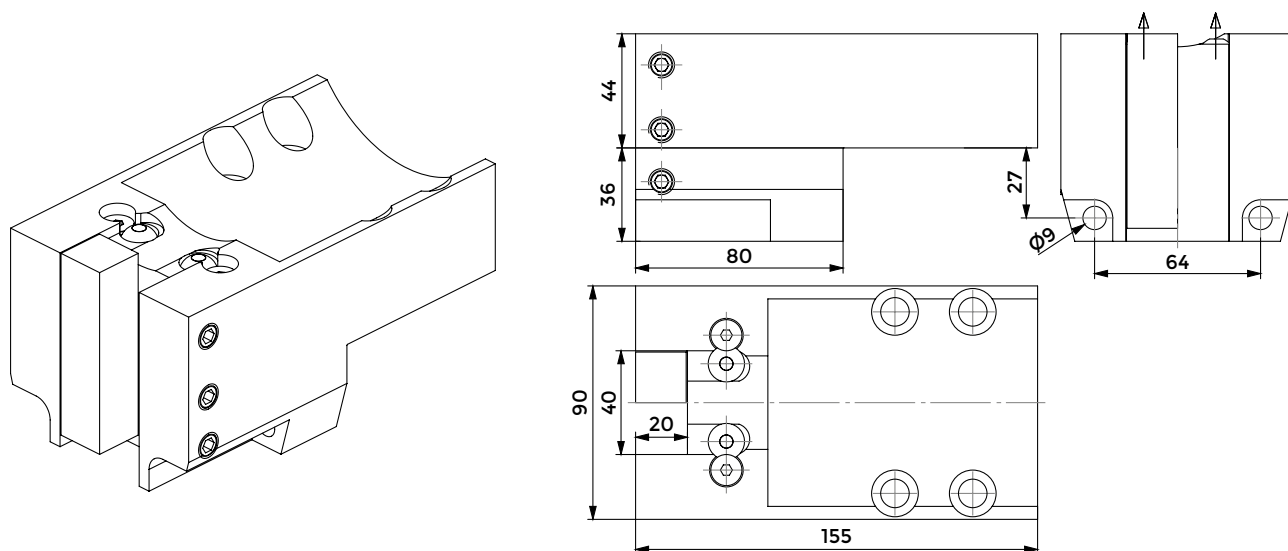


COD.	CLAMPING SCREW	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL
KTL 15/10000/07				
	811-104030	832-002222	833-001470	811-108018

RADIAL TOOLHOLDER

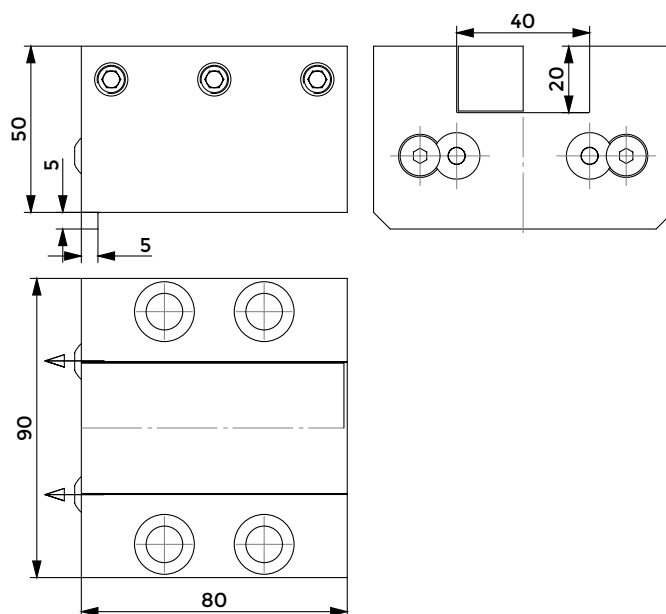
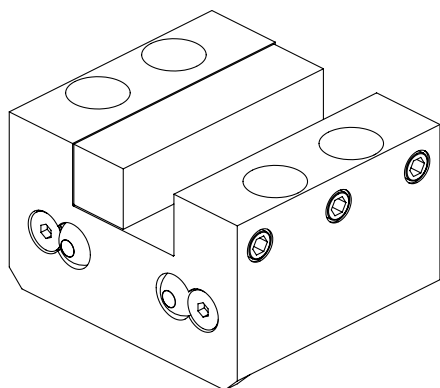


COD.	CLAMPING SCREW	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL
				
KTL 15/10000/06	811-104030	832-002223	833-001470	811-108018



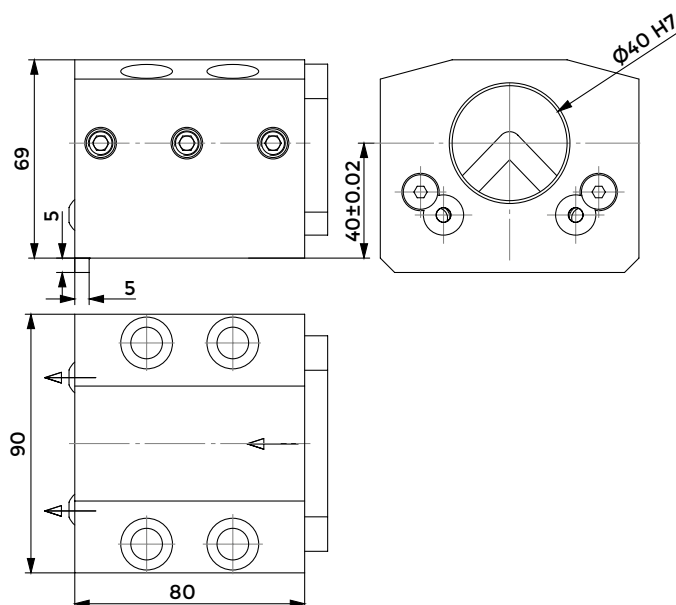
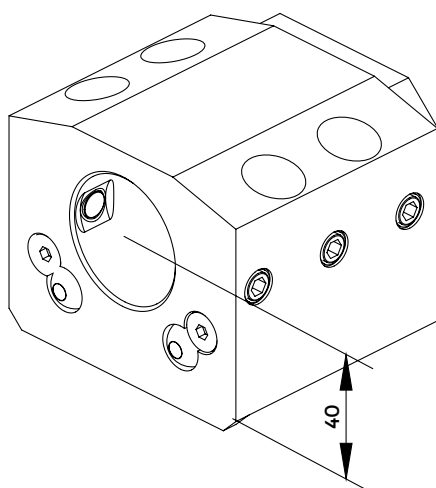
COD.	CLAMPING SCREW	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL
				
KTL 15/10000/45	811-104030	832-002223	833-001470	811-108018

AXIAL TOOLHOLDER



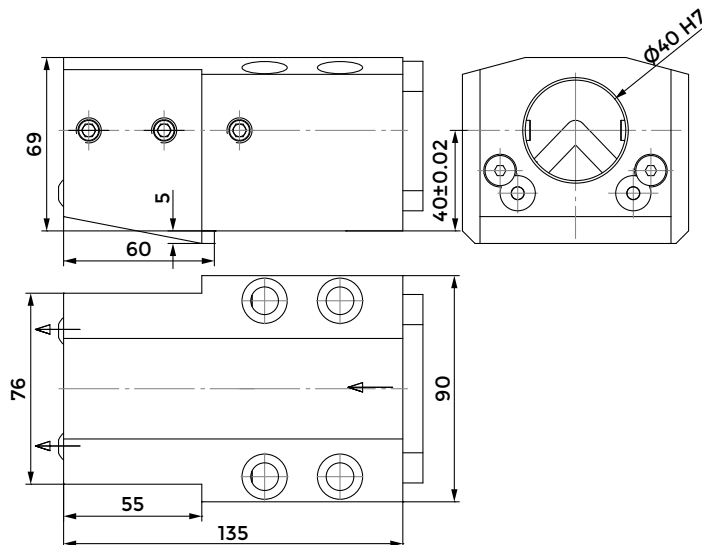
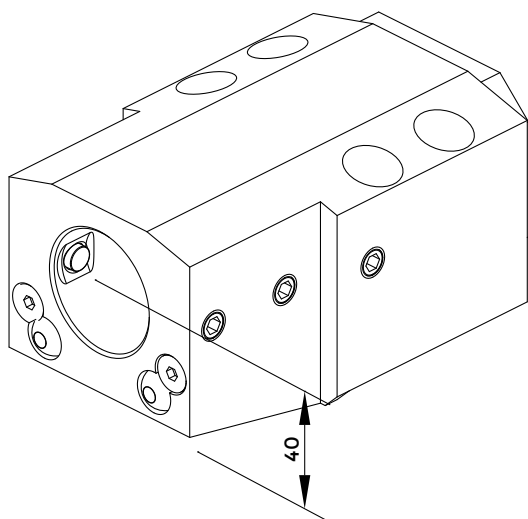
COD.	CLAMPING SCREW	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL
				
KTL 15/10000/08	811-104030	832-002223	833-001470	811-108018

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



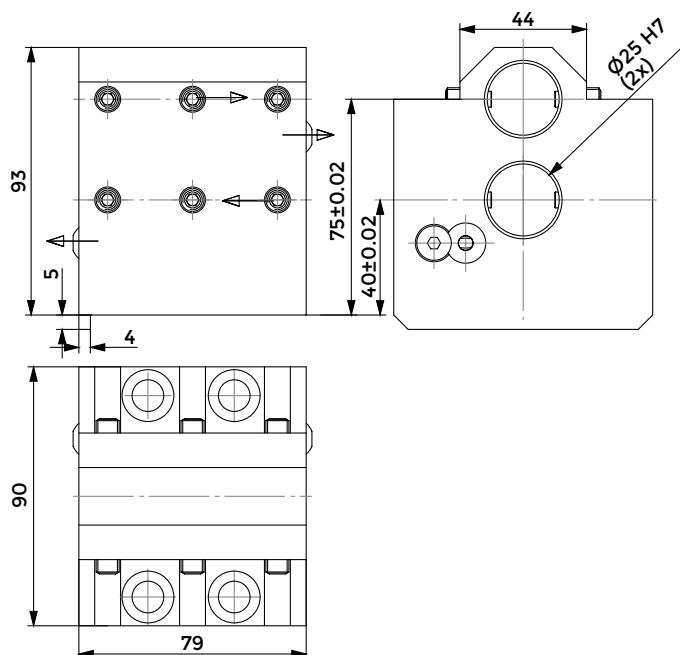
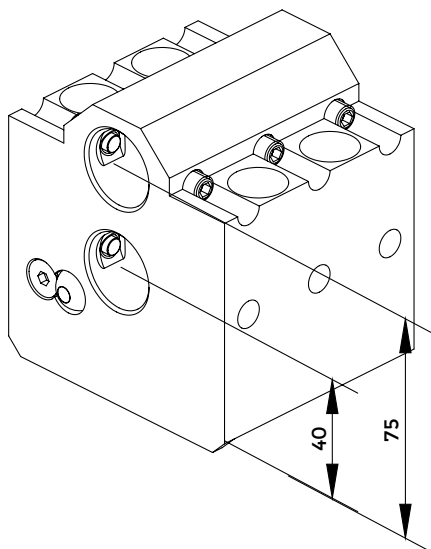
COD.	CLAMPING SCREW	COVER	SCREW FOR COVER	COOLANT BALL	SCREW FOR BALL
					
KTL 15/10000/12	811-104030	832-003063	811-101016	833-001470	811-108018

COMBI TOOLHOLDER FOR BORING BAR AND INSERTDRILL



COD.	CLAMPING SCREW 1 (M10X20)	CLAMPING SCREW 2 (M10X25)	COVER	SCREW FOR COVER	COOLANT BALL	SCREW FOR BALL
KTL 15/10000/38	811-104029	811-104030	832-003063	811-101016	833-001470	811-108018

DOUBLE TOOLHOLDER FOR BORING BAR



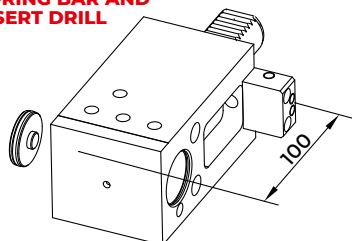
COD.	CLAMPING SCREW	COOLANT BALL	SCREW FOR BALL
KTL 15/10000/11	811-104021	833-001470	811-108018

DMG MORI (VDI30) - CTX310/410 V4/V6 - CTX320 V4/V6 - CTX420 V4/V6 (option) - CTX Alpha 300 V4
CTX Alpha 500 V4/V6 - CTX Beta 500/800/1250 V4/V6 (option) - TWIN 42/65/102 - SPRINT 65/50

RADIAL TURRET



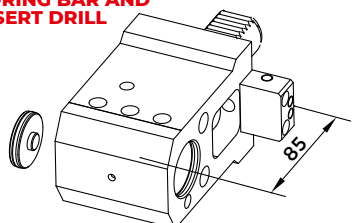
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**



115-53025 (Ø32)

Plug:
823-301260

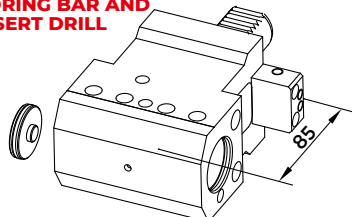
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**



115-53027 (Ø25)
115-53028 (Ø32)

Plug:
823-301270
823-301260

**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**



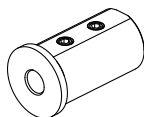
115-53030 (Ø32)

Plug:
823-301260

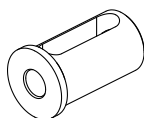
ACCESSORIES

BORING BAR SLEEVE

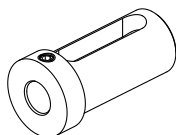
p. 707



9600 (Ø25/Ø8)
9601 (Ø25/Ø10)
9602 (Ø25/Ø12)
9607 (Ø32/Ø8)
9608 (Ø32/Ø10)
9609 (Ø32/Ø12)



9604 (Ø25/Ø16)
9606 (Ø25/Ø20)
9611 (Ø32/Ø16)
9613 (Ø32/Ø20)
9614 (Ø32/Ø25)

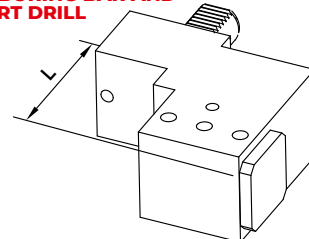


8759 (Ø25/Ø12)
8761 (Ø25/Ø16)
8763 (Ø25/Ø20)
8764 (Ø32/Ø16)
8766 (Ø32/Ø20)
8767 (Ø32/Ø25)

FAST-IN p. 490
DRIVEN TOOLS p. 298

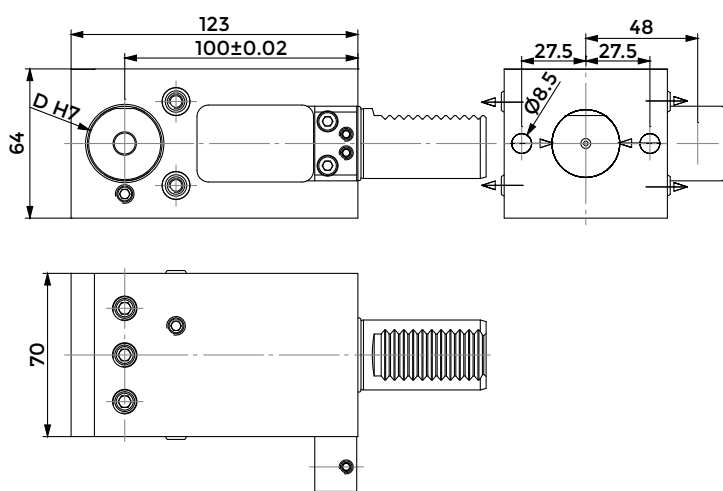


**COMBI TOOLHOLDER
WITH INTERNAL COOLANT
FOR BORING BAR AND
INSERT DRILL**

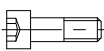


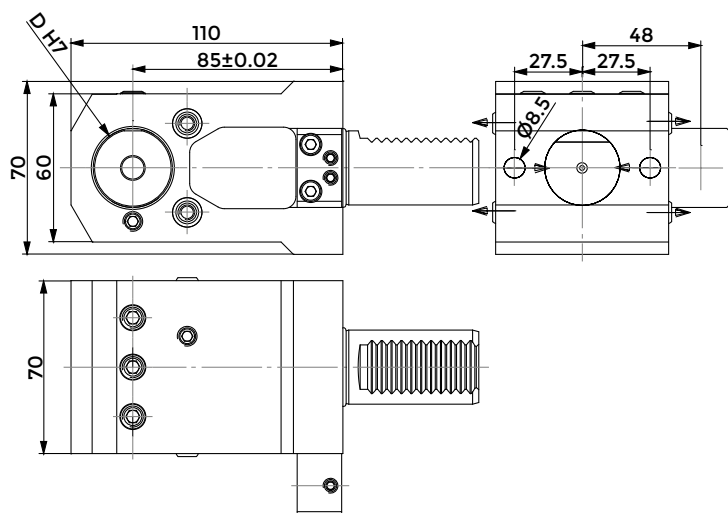
115-53014 (Ø32 - L=100)

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL

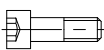


COD.	D	CLAMPING SCREW	COOLANT PLUG	SEEGER RING FOR COOLANT PLUG	O RING FOR COOLANT PLUG
					
115-53025	32	811-102037	823-301260	822-10208	823-101017

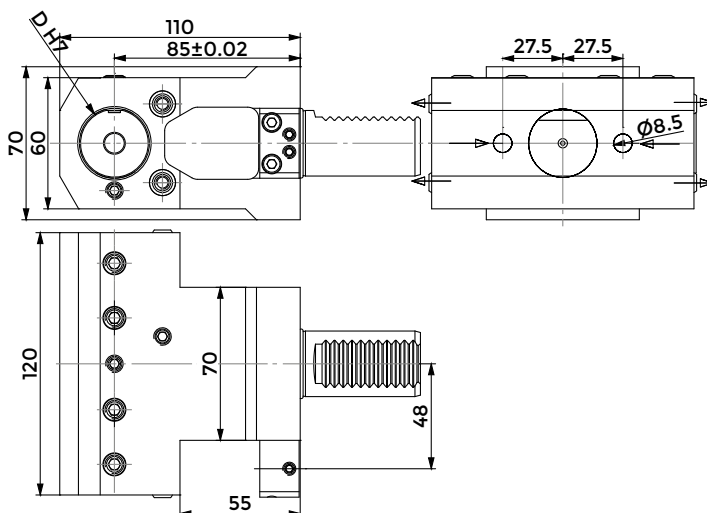
COD.	COOLANT NOZZLE	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT (M6x6)	SCREW FOR STOP NUT (M6x8)	O RING VDI30
							
115-53025	833-001110	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017



COD.	D	CLAMPING SCREW	COOLANT PLUG	SEEGER RING FOR COOLANT PLUG	O RING FOR COOLANT PLUG
					
115-53027	25	811-102029	823-301270	822-10209	823-101031
115-53028	32	811-102037	823-301260	822-10208	823-101017

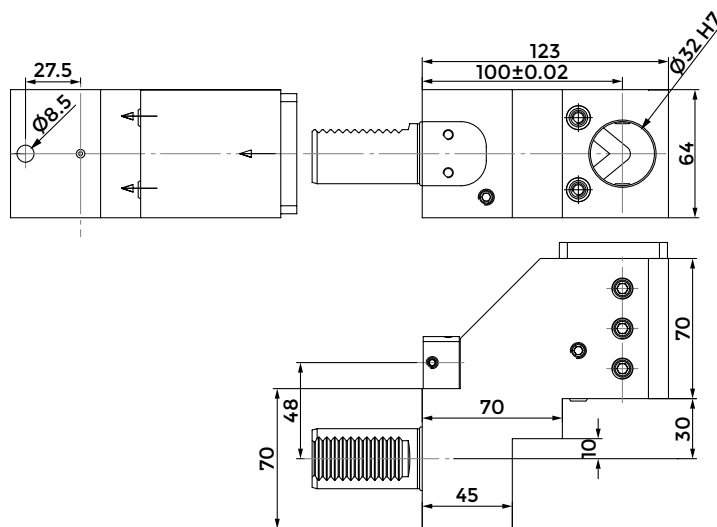
COD.	COOLANT NOZZLE	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT (M6x6)	SCREW FOR STOP NUT (M6x8)	O RING VDI30
							
115-53027	833-001110	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017
115-53028	833-001110	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017

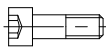
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	D	CLAMPING SCREW 1	CLAMPING SCREW 2	COOLANT PLUG	O RING FOR COOLANT PLUG	O RING FOR COOLANT PLUG
						
115-53030	32	811-102037	811-104021	823-301260	822-10208	823-101017

COD.	COOLANT NOZZLE	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT (M6x6)	SCREW FOR STOP NUT (M6x8)	O RING VDI30
							
115-53030	833-001110	832-003301	832-003302	811-101021	811-102017	811-102018	823-101017



COD.	CLAMPING SCREW	COVER INTERNAL COOLANT	SCREW FOR COVER	COOLANT NOZZLE	STOP NUT
					
115-53014	811-102037	832-003304	811-101016	833-001110	832-003301

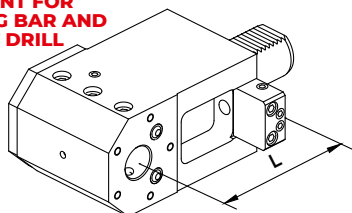
COD.	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT (M6x6)	SCREW FOR STOP NUT (M6x8)	O RING VDI30
					
115-53014	832-003302	811-101021	811-102017	811-102018	823-101017

DMG MORI (VDI40) - CTX410 V4/V6 (option) - CTX420 V4/V6 - CTXBeta 500/800/1250 V4/V6 - TWIN42/65/102
RC2 - GMX250/300/400/500 - SPRINT65 (option)

RADIAL TURRET

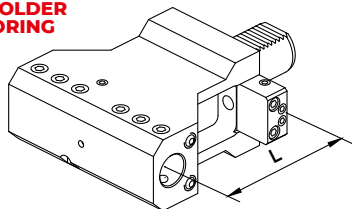


**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**



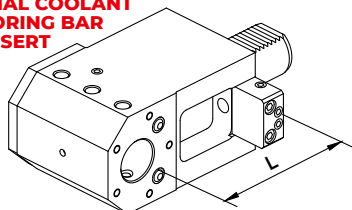
115-54130 (Ø25 - L=100)

**TOOLHOLDER
FOR BORING
BAR**



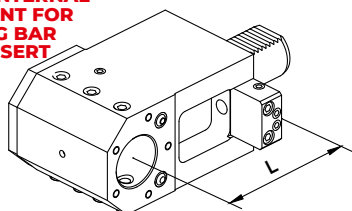
115-54133 (Ø25 - L=100)

**COMBI TOOLHOLDER WITH
INTERNAL COOLANT
FOR BORING BAR
AND INSERT
DRILL**



115-54131 (Ø32 - L=100)
115-54078 (Ø25 - L=120)
115-54079 (Ø32 - L=120)

**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR
AND INSERT
DRILL**

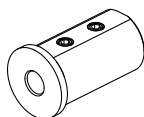


115-54132 (Ø40 - L=100)
115-54080 (Ø40 - L=120)

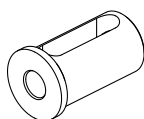
ACCESSORIES

BORING BAR SLEEVE

p. 707

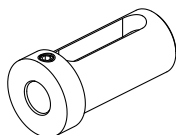


9600 (Ø25/Ø8)
9601 (Ø25/Ø10)
9602 (Ø25/Ø12)
9607 (Ø32/Ø8)
9608 (Ø32/Ø10)
9609 (Ø32/Ø12)
9615 (Ø40/Ø8)
9616 (Ø40/Ø10)
9617 (Ø40/Ø12)



9604 (Ø25/Ø16)
9606 (Ø25/Ø20)
9611 (Ø32/Ø16)
9613 (Ø32/Ø20)
9614 (Ø32/Ø25)

9619 (Ø40/Ø16)
9621 (Ø40/Ø20)
9622 (Ø40/Ø25)
9623 (Ø40/Ø32)



8754 (Ø20/Ø8)
8755 (Ø20/Ø10)
8756 (Ø20/Ø12)

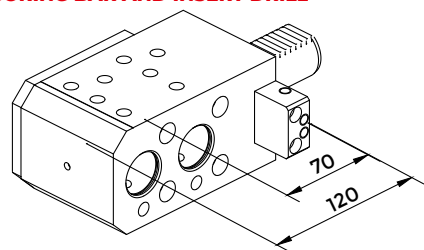
8759 (Ø25/Ø12)
8761 (Ø25/Ø16)
8763 (Ø25/Ø20)
8764 (Ø32/Ø16)
8766 (Ø32/Ø20)
8767 (Ø32/Ø25)

8768 (Ø40/Ø16)
8770 (Ø40/Ø20)
8771 (Ø40/Ø25)
8772 (Ø40/Ø32)

FAST-IN p. 490
DRIVEN TOOLS p. 298

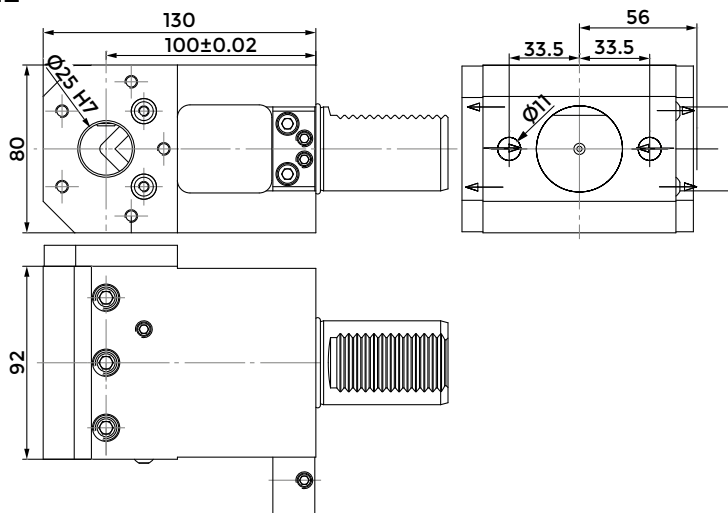


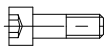
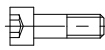
**COMBI TOOLHOLDER WITH
INTERNAL COOLANT FOR
BORING BAR AND INSERT DRILL**



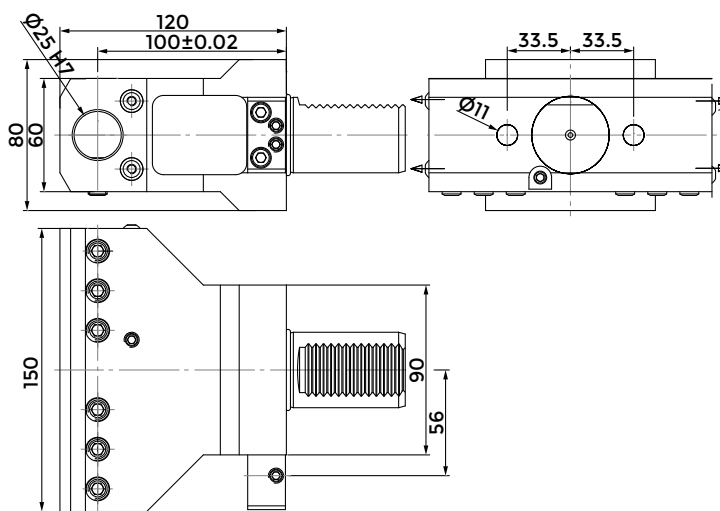
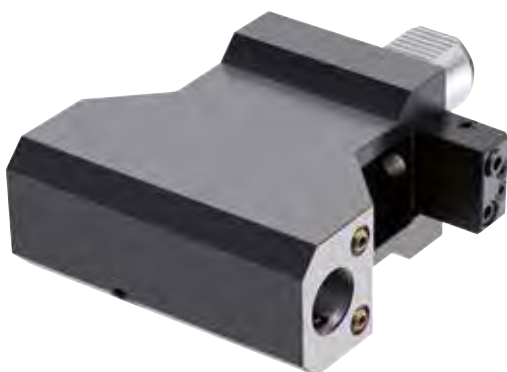
115-54147 (Ø32)

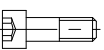
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



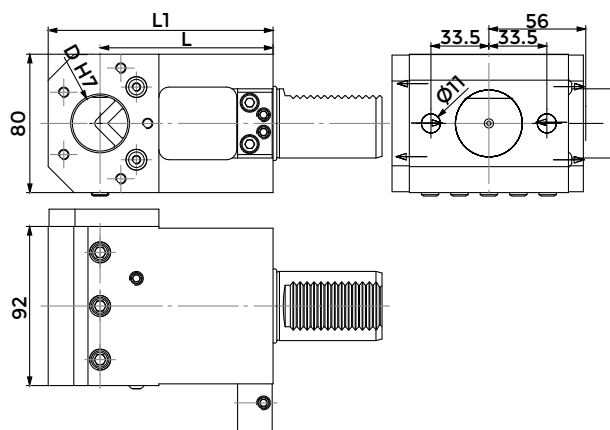
COD.	CLAMPING SCREW 1 (M12x25)	CLAMPING SCREW 2 (M10x25)	COVER INTERNAL COOLANT	SCREW FOR COVER	COOLANT NOZZLE
					
115-54130	811-102045	811-102039	832-003303	811-101027	833-001080
COD.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING VDI40
					
115-54130	832-003237	832-003238	811-101032	811-102027	823-101036

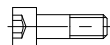
TOOLHOLDER FOR BORING BAR

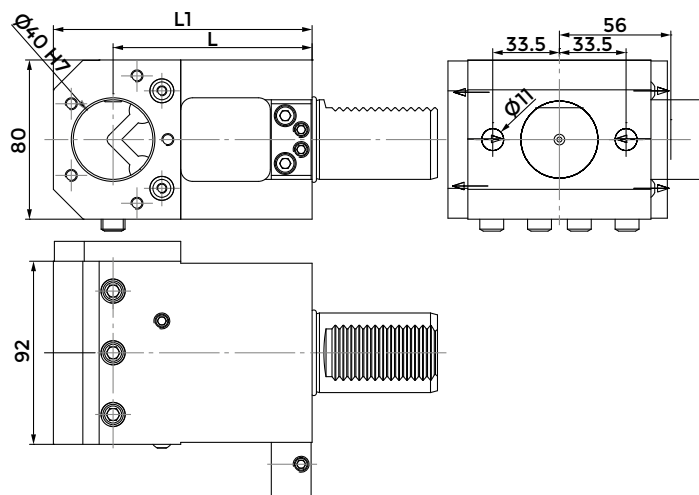


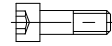
COD.	CLAMPING SCREW 1 (M12x16)	CLAMPING SCREW 2 (M10x20)	COOLANT NOZZLE	STOP NUT
				
115-54133	811-102043	811-102038	833-001080	832-003237
COD.	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING VDI40
				
115-54133	832-003238	811-101032	811-102027	823-101036

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL

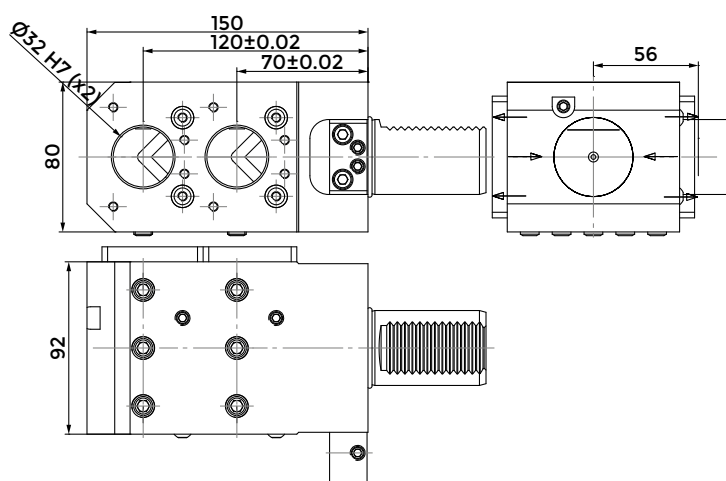


COD.	D	L	L1	CLAMPING SCREW 1 (M12x25)	CLAMPING SCREW 2 (M10x25)	COVER INTERNAL COOLANT	SCREW FOR COVER
							
115-54131	32	100	130	811-102044	811-102039	832-003303	811-101027
115-54078	25	120	150	811-102045	811-102039	832-003236	811-101027
115-54079	32	120	150	811-102044	811-102039	832-003236	811-101027
COD.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING VDI40	COOLANT NOZZLE	
							
115-54131	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080	
115-54078	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080	
115-54079	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080	



COD.	L	L1	CLAMPING SCREW 1 (M12x25)	CLAMPING SCREW 2 (M10x25)	COVER INTERNAL COOLANT	SCREW FOR COVER
						
115-54132	100	130	811-102044	811-102045	832-003303	811-101027
115-54080	120	150	811-102044	811-102045	832-003236	811-101027
COD.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING VDI40	COOLANT NOZZLE
						
115-54132	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080
115-54080	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL

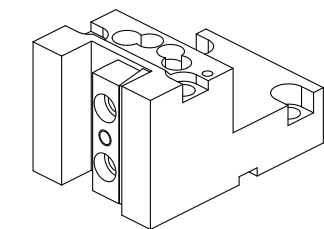


COD.	CLAMPING SCREW 1 (M12x25)	CLAMPING SCREW 2 (M10x25)	COVER 1 INTERNAL COOLANT	COVER 2 INTERNAL COOLANT	SCREW FOR COVER
115-54147	811-102044	811-102039	832-003318	832-003319	811-101017

COD.	STOP NUT	INSERT FOR STOP NUT	SCREW FOR STOP NUT	SCREW FOR STOP NUT	O RING VDI40	COOLANT NOZZLE
115-54147	832-003237	832-003238	811-101032	811-102027	823-101036	833-001080

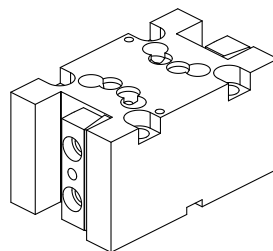
DMG MORI (BMT40) - NZ 1500/2000/3100 - NZ/NTZ 1000/2000/3000/3100/3150/3200 - NZ/NLX 2000/2500 (16 station turret) - NZ/NLX 1500/2000/2500 (20 station turret) - DURATURN 2050/2550 MC - LTX310ECO-BMT

FACE AND O.D. CUTTING HOLDER



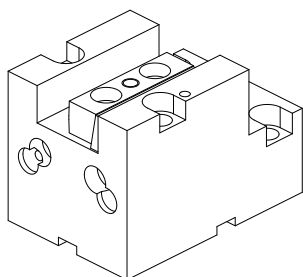
KMS-T00224 (H70) - 20x20 mm

FACE AND O.D. CUTTING HOLDER



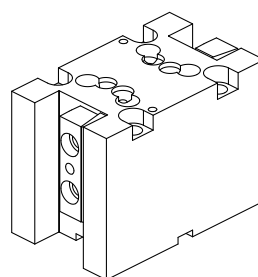
KMS-T00228 (H70) - 20x20 mm

FACE AND O.D. CUTTING HOLDER



KMS-T03017 - 20x20 mm

FACE AND O.D. CUTTING HOLDER



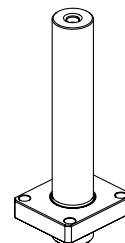
KMS-T00226 (H95) - 20x20 mm

QUALIFIED TOOL



CONTROL PIN

p. 740

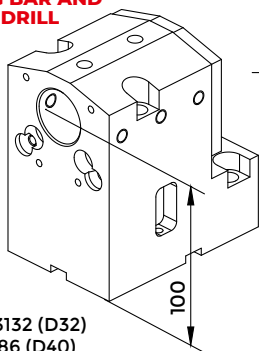


137-00193

ACCESSORIES

FAST-IN p. 490
DRIVEN TOOLS p. 298

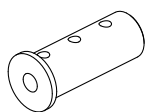
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



KMS-T13132 (D32)
137-00286 (D40)

BORING BAR SLEEVE

p. 720



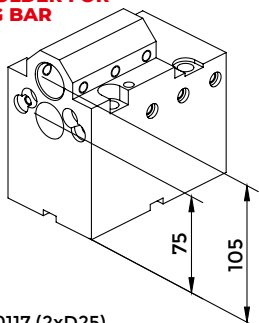
D32

8946 (Ø25 mm)
8945 (Ø20 mm)
8944 (Ø16 mm)
8943 (Ø12 mm)
8942 (Ø10 mm)
8941 (Ø8 mm)

D40

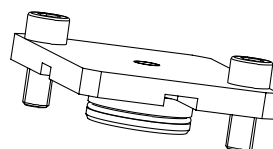
5906 (Ø32 mm)
5905 (Ø25 mm)
5904 (Ø20 mm)
5903 (Ø16 mm)
5902 (Ø12 mm)
5901 (Ø10 mm)
5900 (Ø8 mm)

TOOLHOLDER FOR BORING BAR



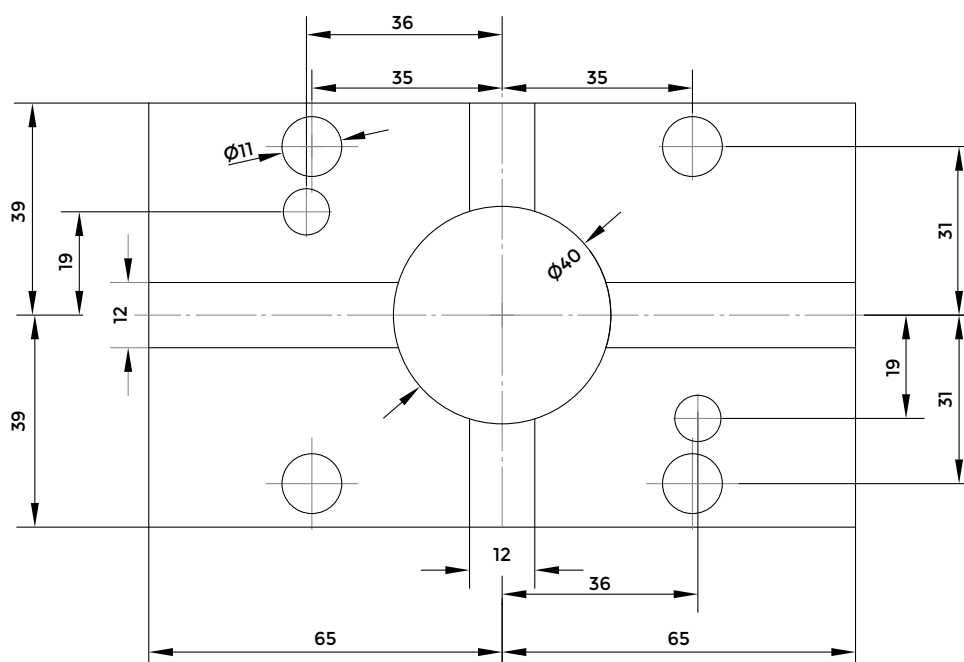
KMS-T10117 (2x25)

PROTECTION COVER

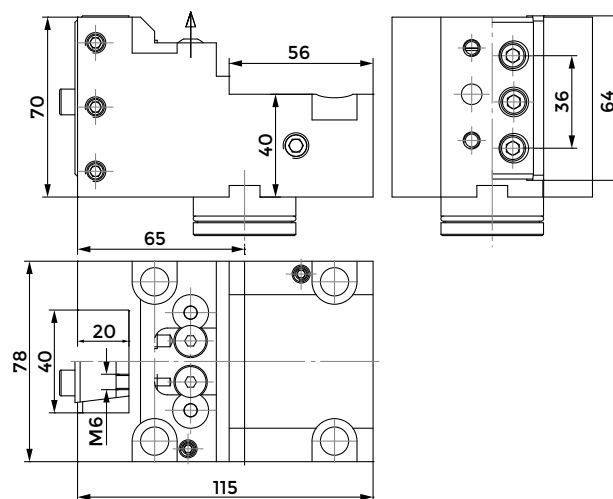


137-00245

CONNECTION



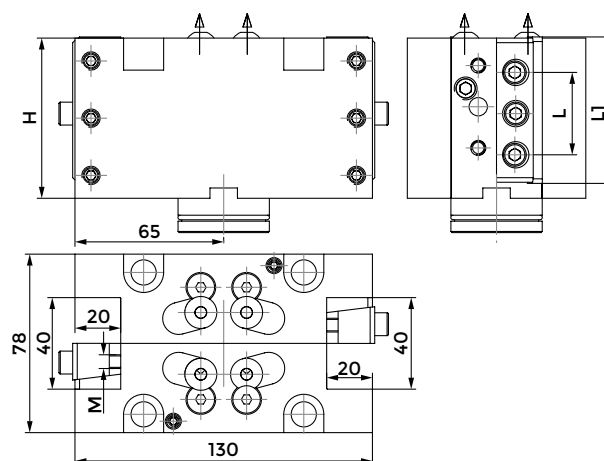
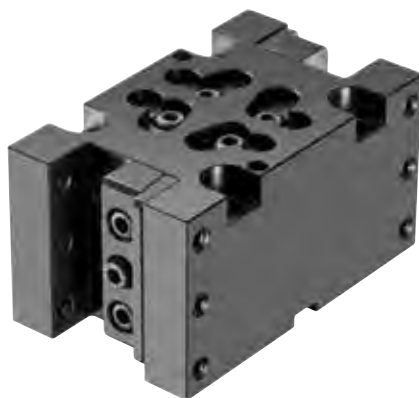
RADIAL TOOLHOLDER



COD.	CLAMPING PLATE	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL
				
KMS-T00224	832-020460	811-102029	811-104016	833-001470

COD	SCREW FOR BALL	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36x2)	O RING FOR PIN (28X2)
					
KMS-T00224	811-108018	832-020451	811-101029	823-101016	823-101018

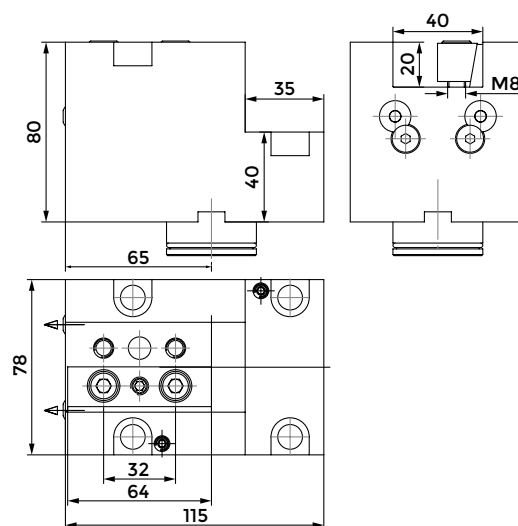
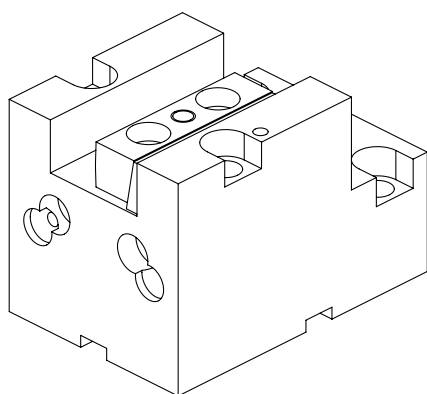
RADIAL TOOLHOLDER



COD.	H	L	L1	M	CLAMPING PLATE	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL
								
KMS-T00226	95	32	64	M8	832-020400	-	811-102023	833-001470
KMS-T00228	70	36	64	M6	832-020460	811-102029	811-104016	833-001470

COD.	SCREW FOR BALL	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36x2)	O RING FOR PIN (28X2)
					
KMS-T00226	811-108018	832-020121	811-101029	823-101016	823-101018
KMS-T00228	811-108018	832-020451	811-101029	823-101016	823-101018

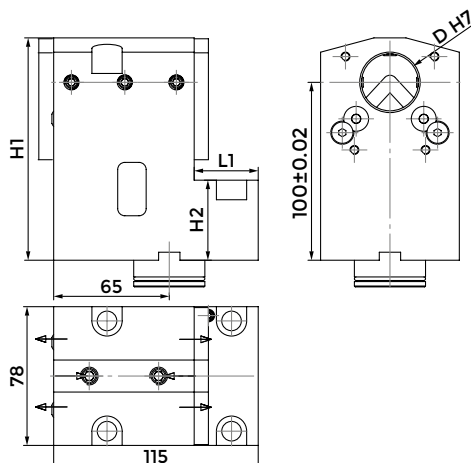
AXIAL TOOLHOLDER



COD.	CLAMPING PLATE	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
				
KMS-T03017	832-020400	811-102023	833-001470	811-108018

COD.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36x2)	O RING FOR PIN (28X2)
				
KMS-T03017	832-020121	811-101029	823-101016	823-101018

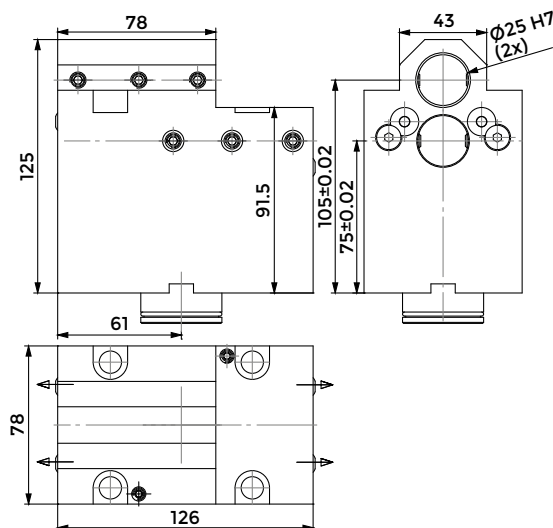
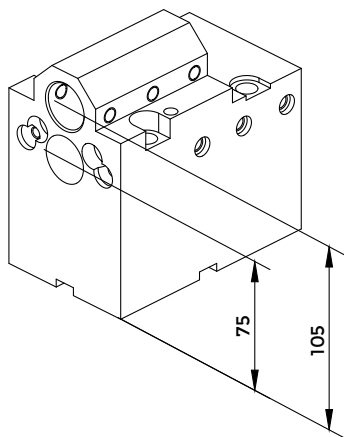
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	D	H1	H2	L1	CLAMPING SCREW 1 (D32 M8X20) - (D40 M10X20)	CLAMPING SCREW 2 (M10X10)	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
									
KMS-T13132	32	125	45	36	811-102030	811-102035	811-102023	833-001470	811-108018
137-00286	40	129	33	26	811-102038	811-102035	811-102023	833-001470	811-108018

COD.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36x2)	O RING FOR PIN (28x2)	COVER	SCREW FOR COVER
						
KMS-T13132	832-020121	811-101029	823-101016	823-101018	832-003378	811-101016
137-00286	832-020121	811-101029	823-101016	823-101018	832-003404	811-101016

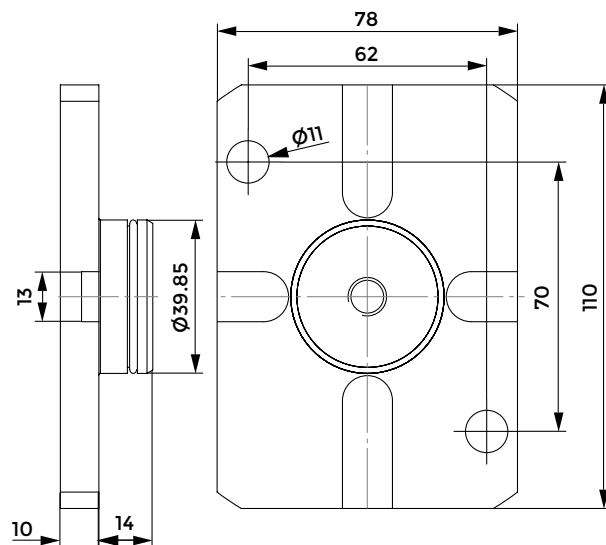
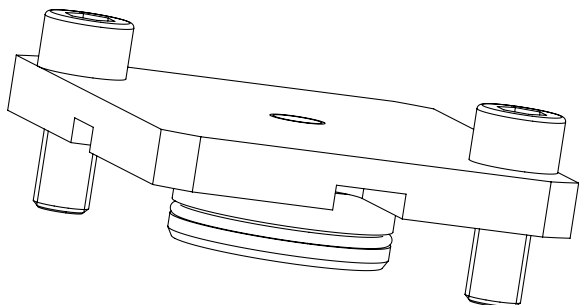
TOOLHOLDER FOR BORING BAR



COD.	CLAMPING SCREW 1 (M8X25)	CLAMPING SCREW 2 (M8X20)	CLAMPING SCREW 3 (M8X10)	SCREW FOR DISASSEMBLE
				
KMS-T10117	811-102031	811-102030	811-102027	811-102023

COD.	COOLANT BALL	SCREW FOR BALL	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (36x2)	O RING FOR PIN (28x2)
						
KMS-T10117	833-001470	811-108018	832-020121	811-101029	823-101016	823-101018

PROTECTION COVER

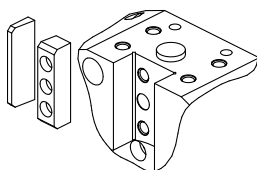


COD.	O RING
137-00245	823-101016

DMG MORI (BMT60) - NLX1500 (12 stazioni) - NLX2000 - NLX2500 - NLX3000 - NLX4000 - NL2000 (S)MC
NL2500 (S)MC - NL3000MC (12 stazioni) - NT3250 - NT4200 - NT4250 - NT4300 - NT5400 - NZL2500 - NT4000
NT5000 NZL 2000/2500 - NZX2500 (station turret) - NTX 2000/2500/3000 - 2ND GEN. 10 ST. - (TX2500 BMT60)

GOODWAY - G4/G5 200 - 2600/280 - 3000/3300 - 3600 - GS2000 SERIE - GS3000 SERIE - GS4000 SERIE

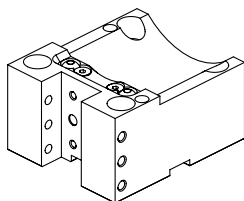
**DIRECT MONTING
ON TURRET**



832-018722 - 25 mm

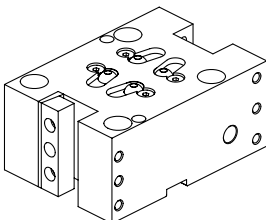
832-018721 - 25 mm

**FACE AND
O.D. CUTTING HOLDER**



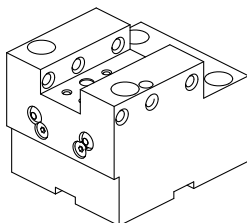
KMS-T00186
25x25 mm

**FACE AND O.D.
CUTTING HOLDER**



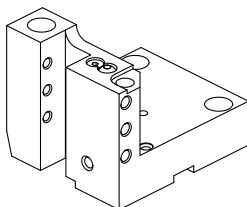
KMS-T00184
25x25 mm

**FACE AND O.D.
CUTTING HOLDER**



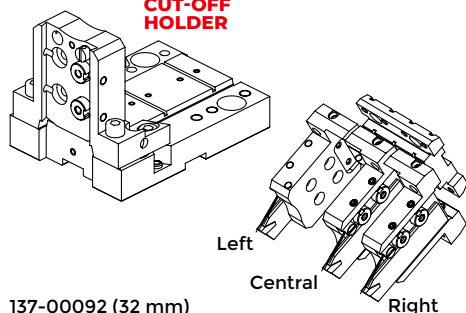
KMS-T03005
25x25 mm

**FACE AND O.D.
CUTTING HOLDER**



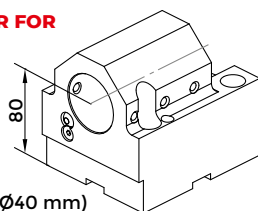
KMS-T00197
25x25 mm

**CUT-OFF
HOLDER**



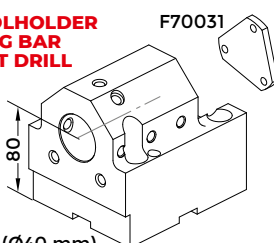
137-00092 (32 mm)

**TOOLHOLDER FOR
BORING BAR**



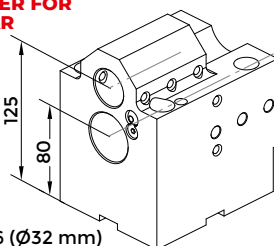
KMS-T10097 (Ø40 mm)
KMS-T10098 (Ø50 mm)

**COMBI TOOLHOLDER
FOR BORING BAR
AND INSERT DRILL**



KMS-T13128 (Ø40 mm)
(INTERNAL COOLANT)

**TOOLHOLDER FOR
BORING BAR**

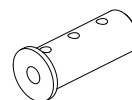


KMS-T10096 (Ø32 mm)

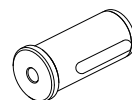
ACCESSORIES

BORING BAR SLEEVE

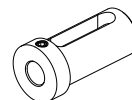
p. 707



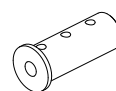
5906 (Ø32 mm)
5905 (Ø25 mm)
5904 (Ø20 mm)
5903 (Ø16 mm)
5902 (Ø12 mm)
5901 (Ø10 mm)
5900 (Ø8 mm)



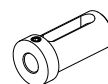
8969 (MT3)
8959 (MT2)



8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)



8946 (Ø25 mm)
8945 (Ø20 mm)
8944 (Ø16 mm)
8943 (Ø12 mm)
8942 (Ø10 mm)
8941 (Ø8 mm)



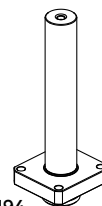
8764 (Ø16 mm)
8766 (Ø20 mm)
8767 (Ø25 mm)

FAST-IN p. 490
DRIVEN TOOLS p. 298



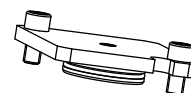
**CONTROL
PIN**

p. 740



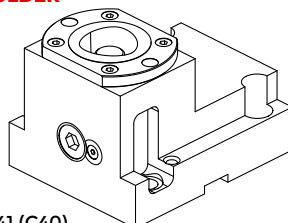
137-00194

**PROTECTION
COVER**



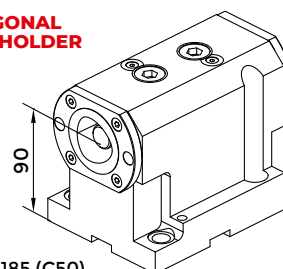
137-00246

**POLYGONAL
TOOL HOLDER**



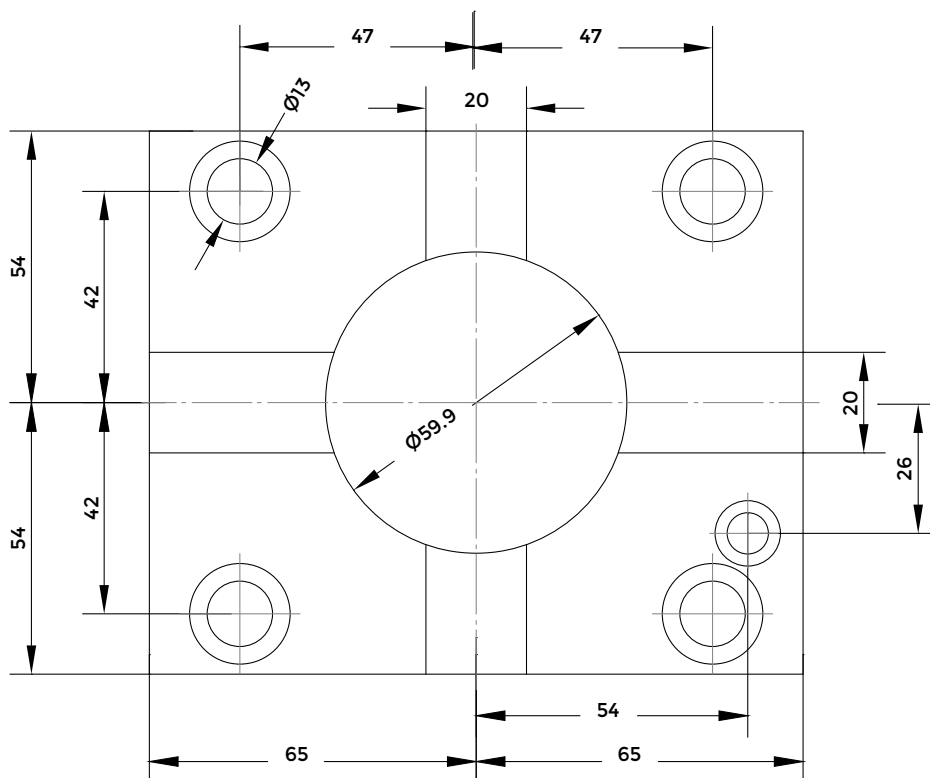
137-00241 (C40)

**POLYGONAL
TOOL HOLDER**

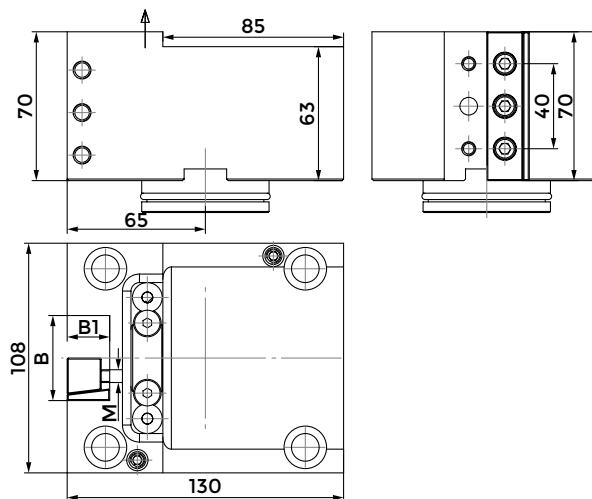
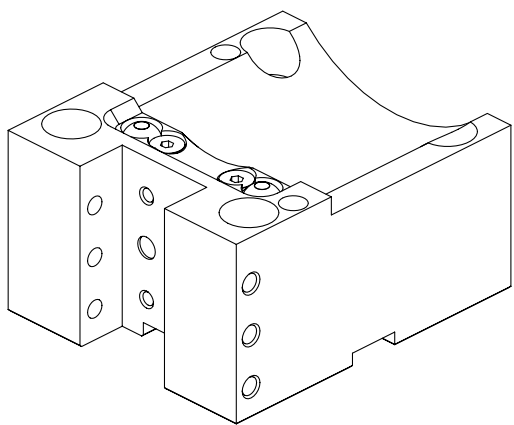


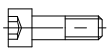
137-00185 (C50)

CONNECTION

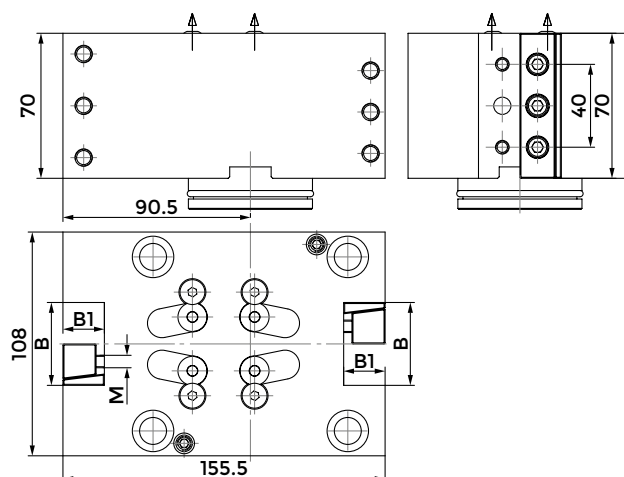
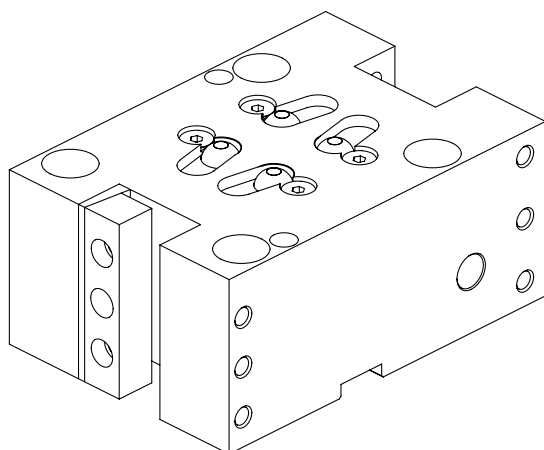


RADIAL TOOLHOLDER

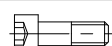


COD.	B	B1	M	CLAMPING PLATE	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
KMS-T00186	50	25	M8					
				832-018720	811-104021	811-102102	833-001470	811-108018
COD.	CENTRAL PIN		SCREW FOR PIN		O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)	
KMS-T00186								
	832-018741		811-101041		823-101077	823-101069	823-101076	

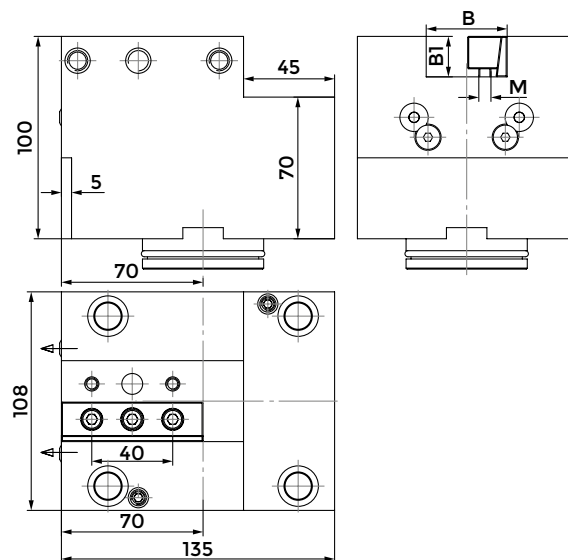
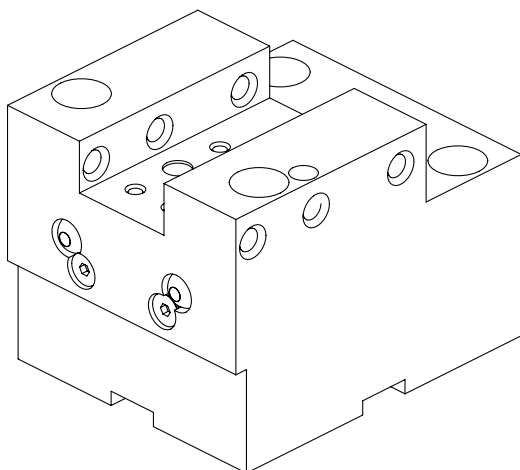
RADIAL TOOLHOLDER



COD.	B	B1	M	CLAMPING PLATE	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
KMS-T00184	50	25	M8					
				832-018720	811-104021	811-102102	833-001470	811-108018

COD.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
KMS-T00184					
	832-018741	811-101041	823-101077	823-101069	823-101076

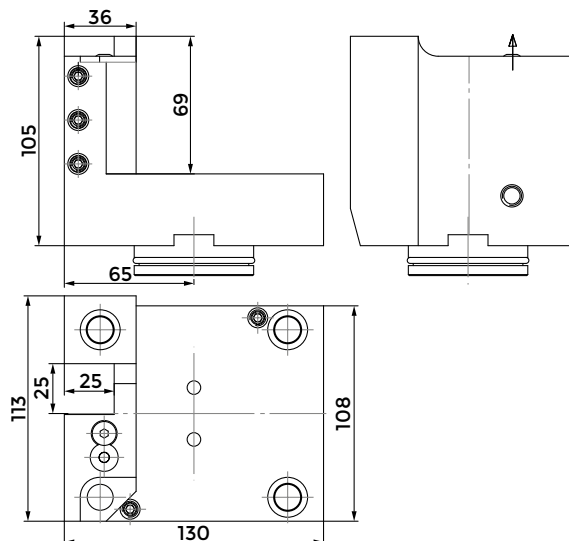
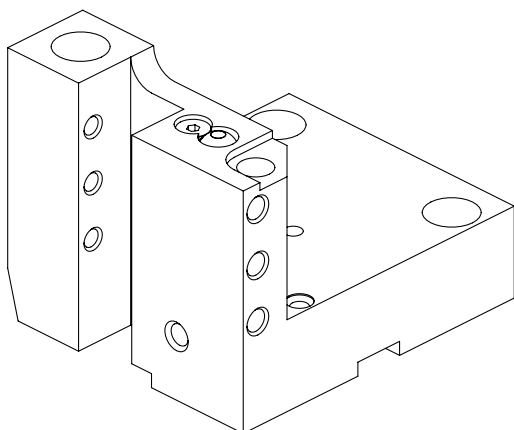
AXIAL TOOLHOLDER



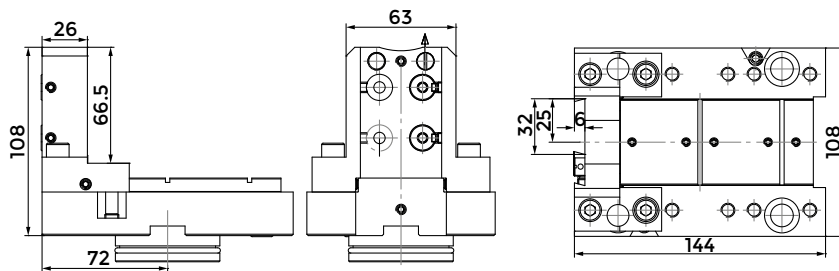
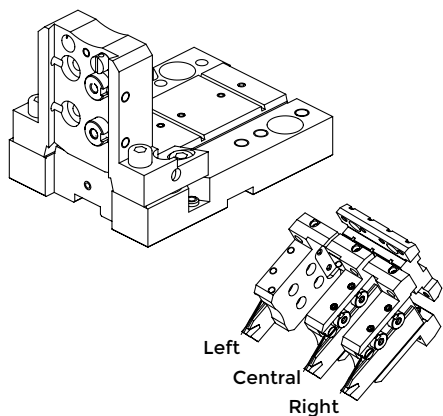
COD.	B	B1	M	CLAMPING PLATE	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
KMS-T03005	50	25	M8					
				832-018720	811-104030	811-102102	833-001470	811-108018

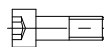
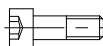
COD.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
KMS-T03005					
	832-018741	811-101041	823-101077	823-101069	823-101076

CUT-OFF HOLDER

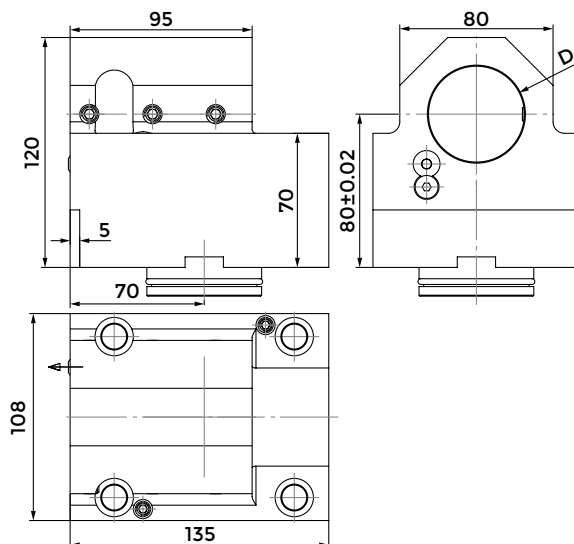
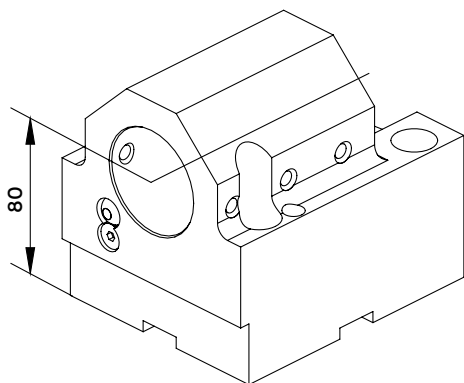


COD.	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL	
					
KMS-T00197	811-104021	811-102032	833-001470	811-108018	
COD.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
KMS-T00197	832-018741	811-101041	823-101077	823-101069	823-101076

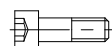


COD.	SCREW FOR DISASSEMBLE	COOLANT NOZZLE	O RING COOLANT BALL	O RING FOR BODY	SHIM PLATE
					
137-00092	811-102028	833-001490	823-101058	823-101061	832-014449
COD.	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
					
137-00092	811-108037	832-014450	824-300012	811-101028	811-104013
COD.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54.5X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9X2)
					
137-00092	832-018741	811-101041	823-101070	823-101069	823-101015

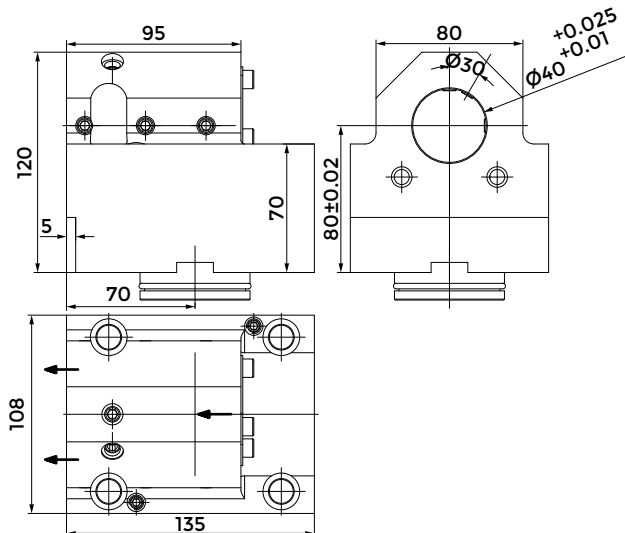
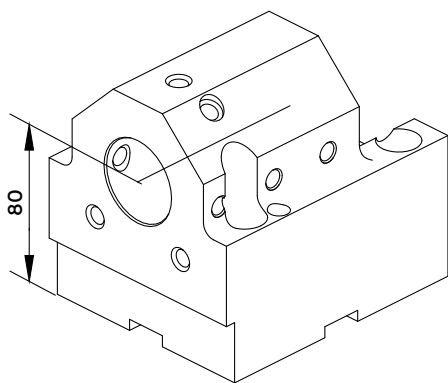
TOOLHOLDER FOR BORING BAR



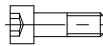
COD.	D	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL
					
KMS-T10097	40	811-104028	811-102102	833-001470	811-108018
KMS-T10098	50	811-104028	811-102102	833-001470	811-108018

COD.	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
					
KMS-T10097	832-018741	811-101041	823-101077	823-101069	823-101076
KMS-T10098	832-018741	811-101041	823-101077	823-101069	823-101076

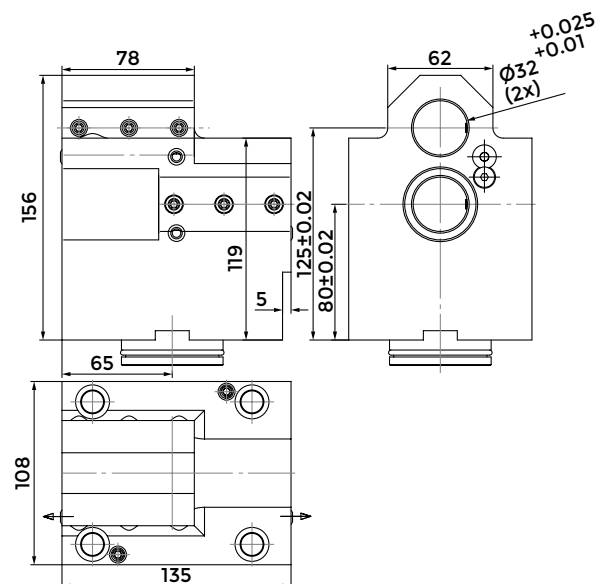
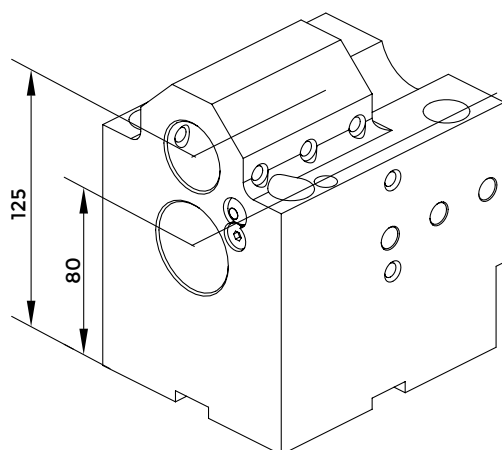
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL

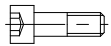


COD.	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COVER F70031	SCREW FOR COVER	CENTRAL PIN
					
KMS-T13128	811-104028	811-102032	832-003229	811-101028	832-018741

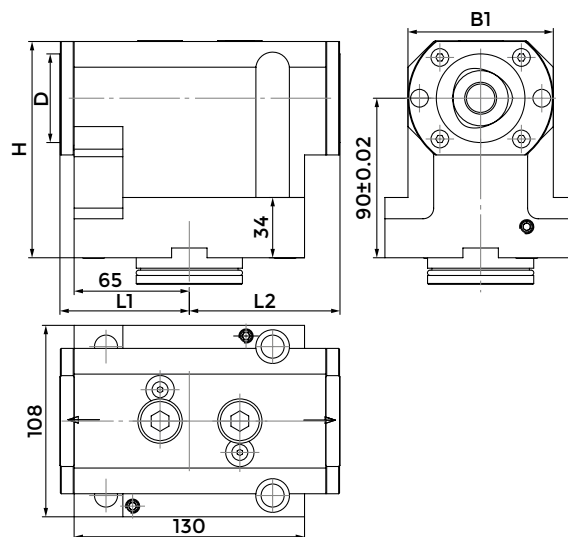
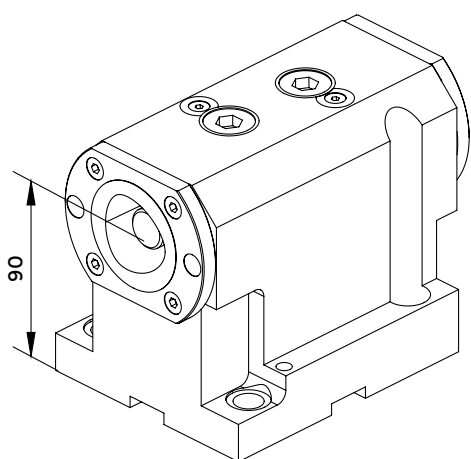
COD.	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)
				
KMS-T13128	811-101041	823-101077	823-101069	823-101076

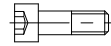
DOUBLE TOOLHOLDER FOR BORING BAR



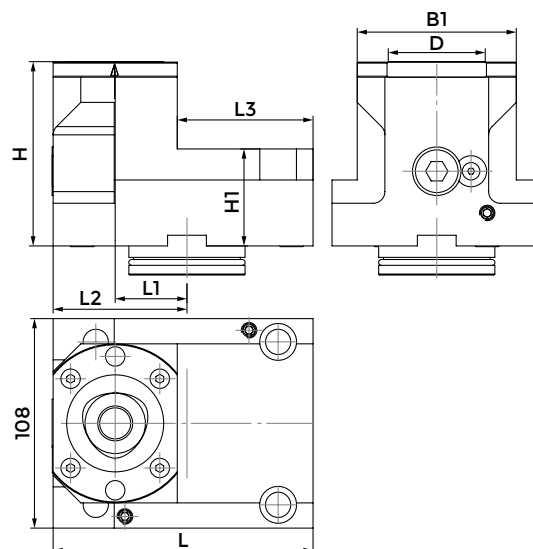
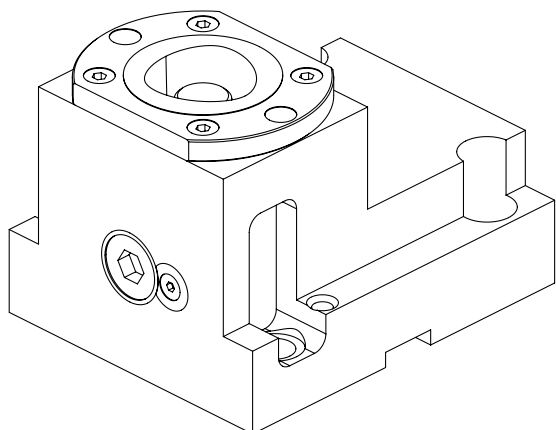
COD.	CLAMPING SCREW	SCREW FOR DISASSEMBLE	COOLANT BALL	SCREW FOR BALL	CENTRAL PIN
					
KMS-T10096	811-104021	811-102102	833-001470	811-108018	832-018741
COD.	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	O RING FOR COOLANT (9.25X1.78)	
					
KMS-T10096	811-101041	823-101077	823-101069	823-101076	

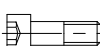
POLYGONAL TOOLHOLDER



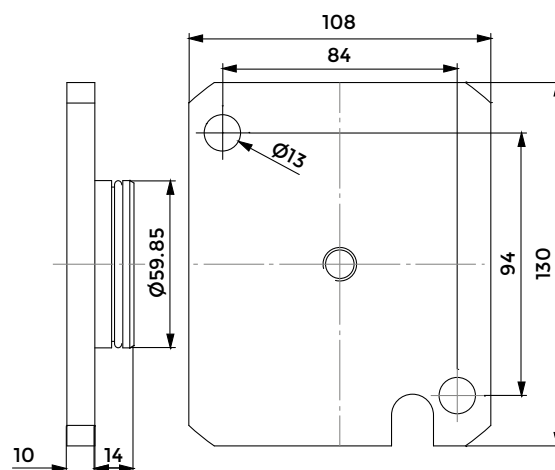
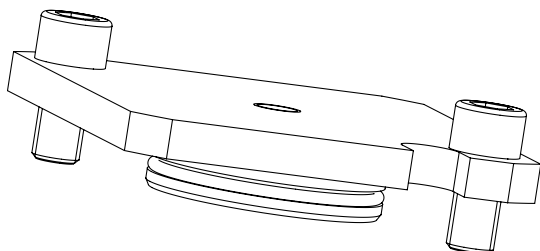
COD.	POLYGONAL	D	D	H	L1	B1	CLAMPING UNIT	SCREW FOR DISASSEMBLE	CENTRAL PIN
									
137-00185	C50	50	122	73	85	82	CXC50-10	811-102032	832-018741
COD.	SCREW FOR PIN	O RING FOR PIN (54X3)	O RING FOR PIN (44.5X3)	COOLANT PLUG (9.25X1.78)					
									
137-00185	811-101041	823-101077	823-101069	823-101076					

POLYGONAL TOOLHOLDER



COD.	POLYGONAL	D	H	H1	L	L1	L2	L3	B1	CLAMPING UNIT	SCREW FOR DISASSEMBLE
											
137-00241	C40	40	80	42	130	41	65	82	67	CXC40-10	811-102032
COD.	CENTRAL PIN	SCREW FOR PIN		O RING FOR PIN (54X3)		O RING FOR PIN (44.5X3)		O RING FOR COOLANT (9.25X1.78)			
											
137-00241	832-018741	811-101041		823-101077		823-101069		823-101076			

PROTECTION COVER



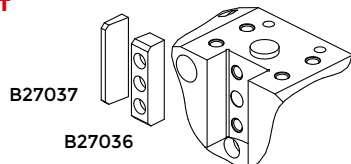
COD.	O RING
137-00246	823-101077

DMG MORI - CL 200/203 - SL 20/25 - SL 203/204/250/253 - SL 254 (MC, SMC)/2500Y - SL 203MC - SL 253MC
ZL 200MC - ZL250SMC - SL204SMC - SL 300MC

CMZ - TBI 520 - TL 20/25 - TC 15/20/25/30/35 - TA 15M/Y/MS/MY/YS - TA 20M/Y/MS/MY/YS - TA25M/Y/MS/MY/YS
TA 30M/Y/MS/MY/YS - TD 15/20/25/30/35/45 - TD 55M/Y/MS/MY/YS

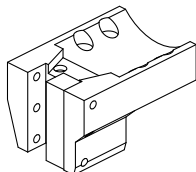
GOODWAY - GS 200/260/280 - GA 2000/2600/2800 - GA 3000/3300/3600

**DIRECT MONTING
ON TURRET**



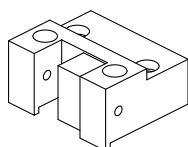
**FACE AND O.D.
CUTTING HOLDER**

KMS-T00076
25x25 mm



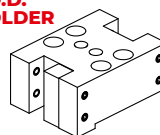
**FACE AND O.D.
CUTTING HOLDER**

KMS-T00174
25x25 mm



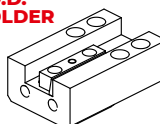
**FACE AND O.D.
CUTTING HOLDER**

KMS-T00158
25x25 mm



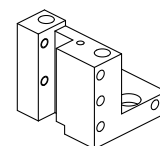
**FACE AND O.D.
CUTTING HOLDER**

KMS-T00082
25x25 mm



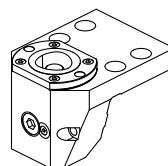
**CUT-OFF
HOLDER**

KMS-T00156
25x25 mm



**POLYGONAL
TOOL HOLDER**

128-12527 (C40)
128-12513 (C50)

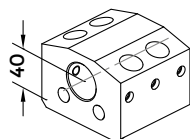


**QUALIFIED
TOOL**



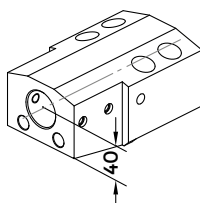
**TOOLHOLDER FOR
BORING BAR**

KMS-T10036 (Ø40 mm)
KMS-T10044 (Ø50 mm)



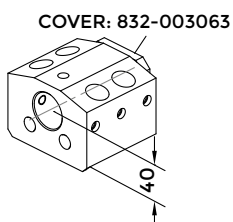
**TOOLHOLDER FOR
BORING BAR**

KMS-T10038 (Ø40 mm)
128-22519 (Ø50 mm)



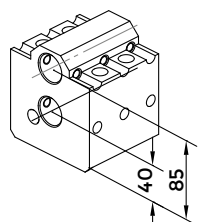
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

KMS-T13064
Ø40 mm



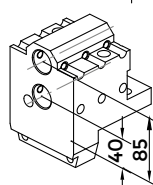
**TOOLHOLDER FOR
BORING BAR**

KMS-T10086
Ø32 mm



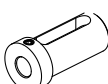
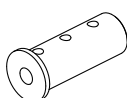
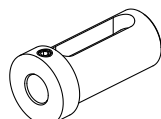
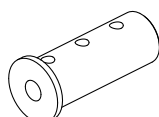
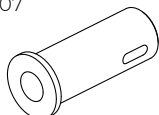
**TOOLHOLDER FOR
BORING BAR**

KMS-T10208
Ø32 mm



ACCESSORIES

BORING BAR SLEEVE
p. 707



D40
8960 <MT3>
8959 <MT2>

D40
5906 (Ø32 mm)
5905 (Ø25 mm)
5904 (Ø20 mm)
5903 (Ø16 mm)
5902 (Ø12 mm)
5901 (Ø10 mm)
5900 (Ø8 mm)

D40
8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø40 mm)

D50
8773 (Ø25 mm)
8774 (Ø32 mm)
8775 (Ø40 mm)

8946 (Ø25 mm)
8945 (Ø20 mm)
8944 (Ø16 mm)
8943 (Ø12 mm)
8942 (Ø10 mm)
8941 (Ø8 mm)

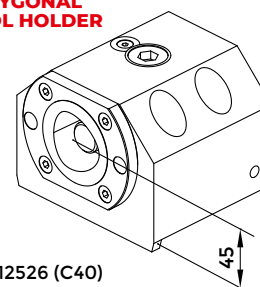
8764 (Ø16 mm)
8766 (Ø20 mm)
8767 (Ø25 mm)

FAST-IN p. 490
DRIVEN TOOLS p. 298

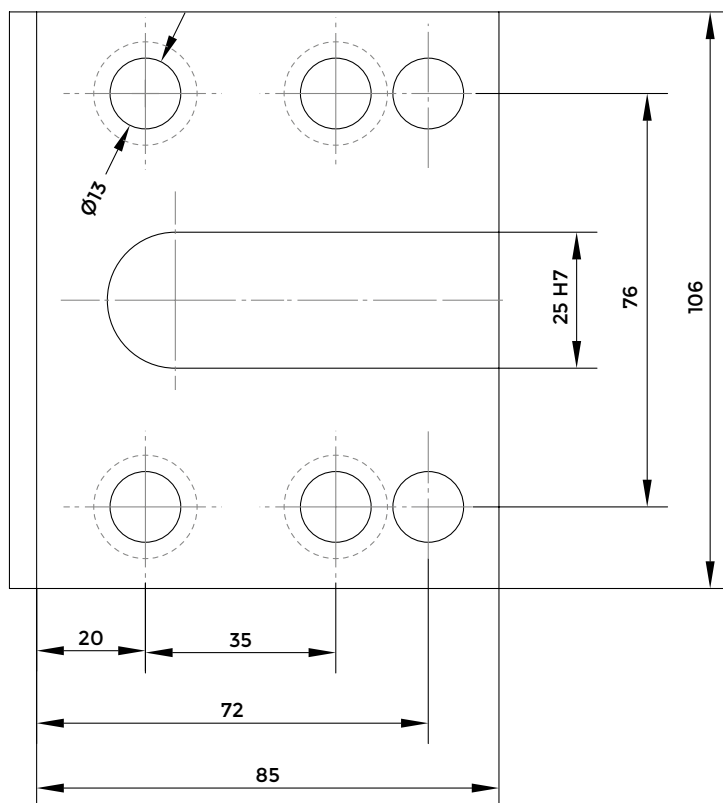


**POLYGONAL
TOOL HOLDER**

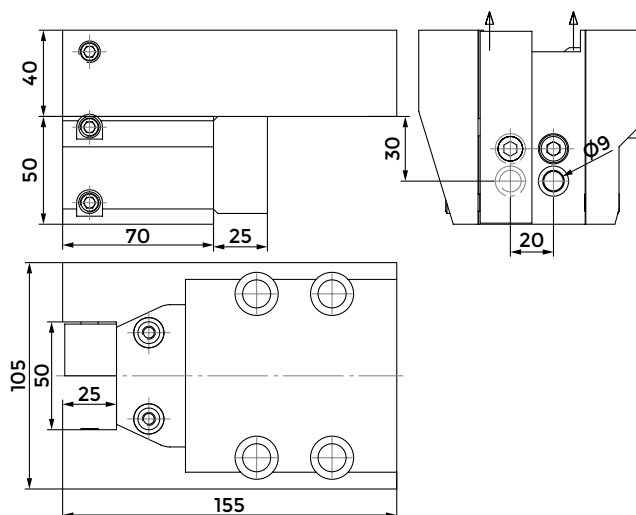
128-12526 (C40)
128-12509 (C50)

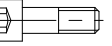


CONNECTION

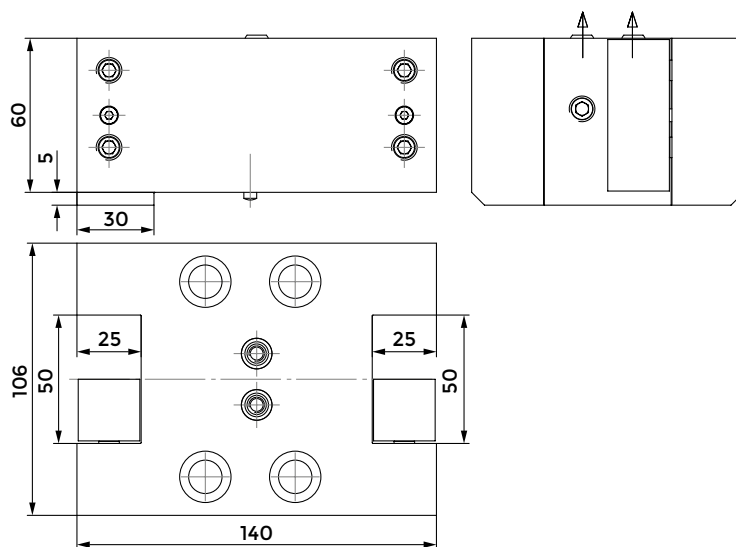


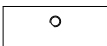
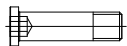
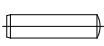
RADIAL TOOLHOLDER

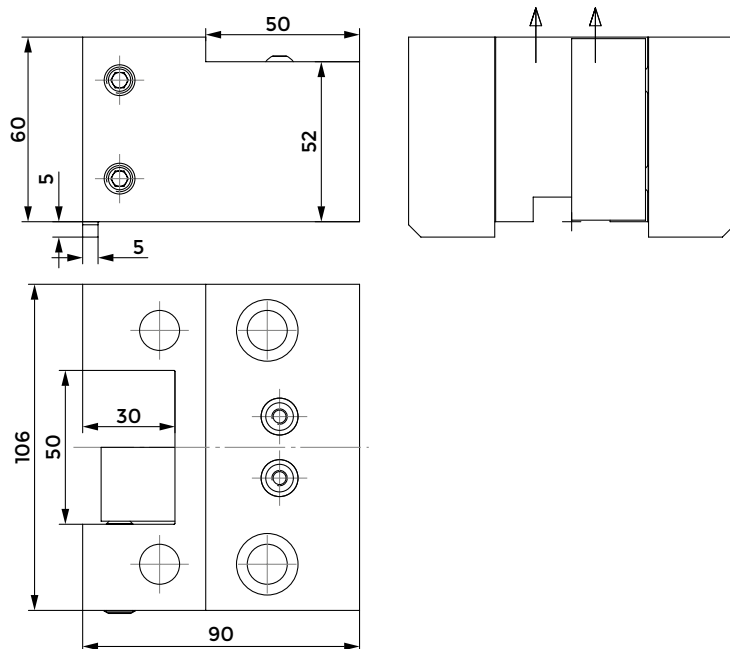


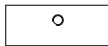
COD.	CLAMPING SCREW 1 (M10X25)	CLAMPING SCREW 2 (M10X16)	CLAMPING PLATE	COOLANT NOZZLE	SPACER	SCREW FOR SPACER
						
KMS-T00076	811-104030	811-104028	832-002117	833-001090	832-002116	811-101046

RADIAL TOOLHOLDER

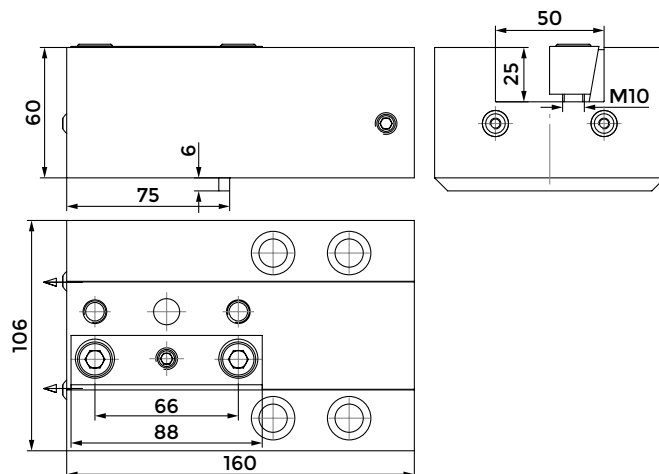


COD.	CLAMPING SCREW	CLAMPING PLATE	SCREW FOR CLAMPING PLATE	SPRING FOR CLAMPING PLATE	COOLANT NOZZLE	PIN
						
KMS-T00158	811-104030	832-002095	811-302004	824-101010	833-001110	815-220008



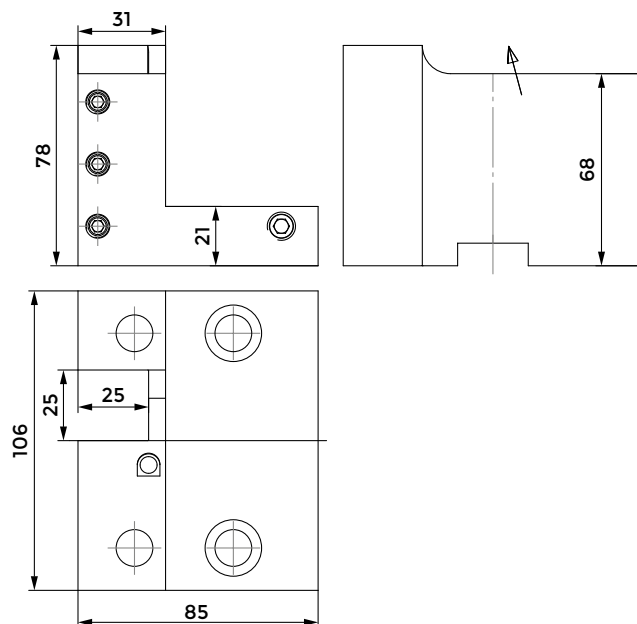
COD.	CLAMPING SCREW	CLAMPING PLATE	COOLANT NOZZLE
			
KMS-T00174	811-102040	832-002095	833-001080

AXIAL TOOLHOLDER



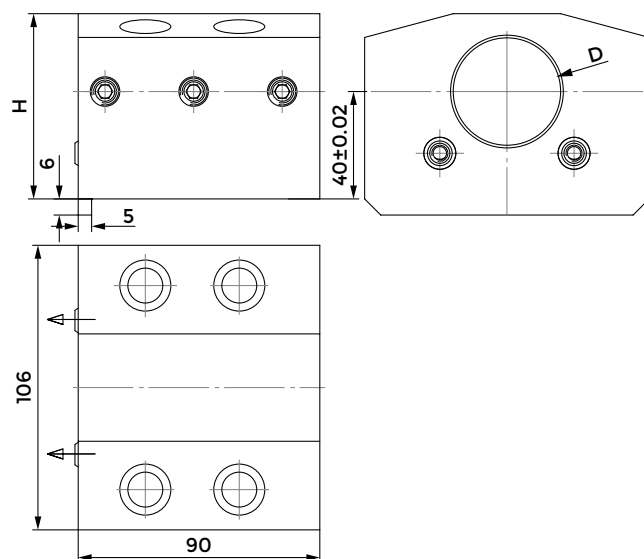
COD.	CLAMPING PLATE	COOLANT NOZZLE
		
KMS-T00082	832-007500	833-001080

CUT-OFF HOLDER

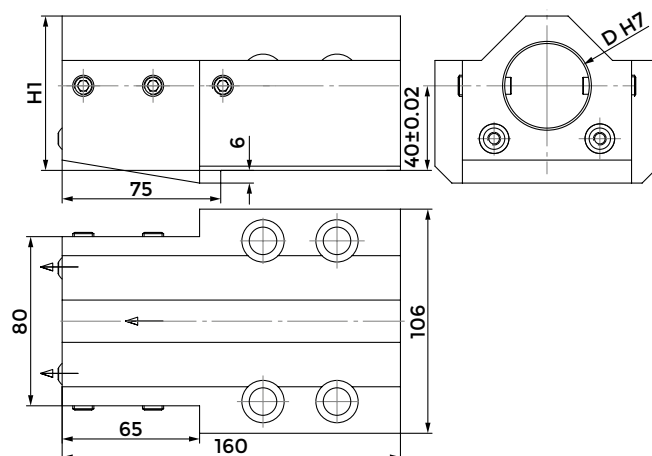


COD.	CLAMPING SCREW
	
KMS-T00156	811-104023

TOOLHOLDER FOR BORING BAR

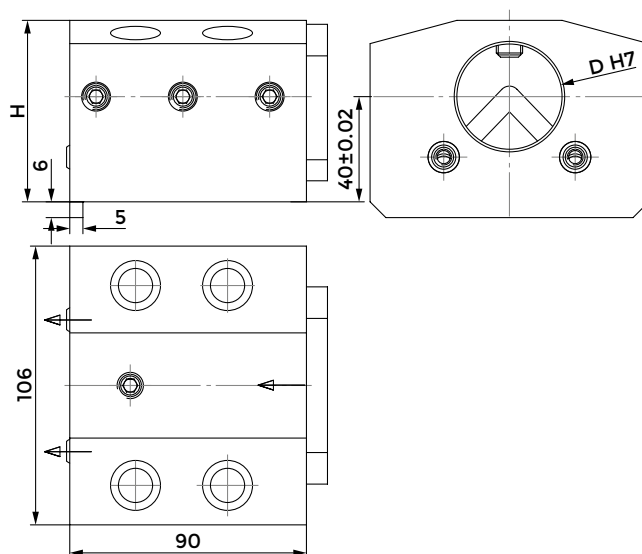


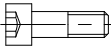
COD.	D	H	CLAMPING SCREW	COOLANT NOZZLE
				
KMS-TI0036	40	69	811-102039	833-001110
KMS-TI0044	50	74	811-102038	833-001110



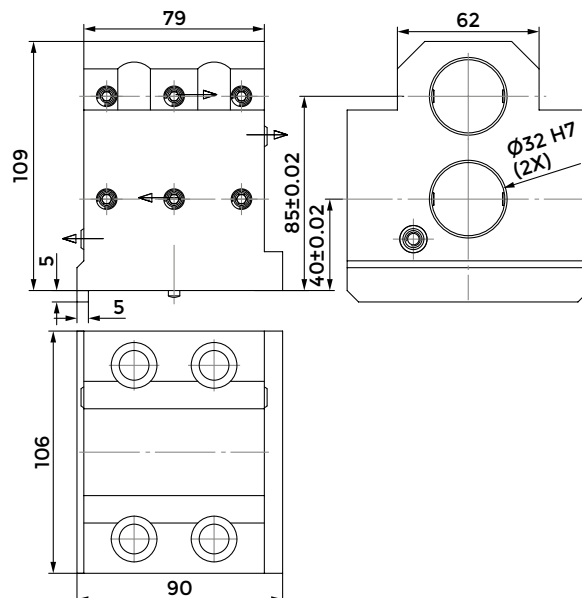
COD.	D	H	CLAMPING SCREW	CLAMPING SCREW	COOLANT NOZZLE
					
KMS-TI0038	40	73	811-104030	-	833-001090
128-22519	50	76	-	811-102043	833-001090

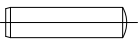
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



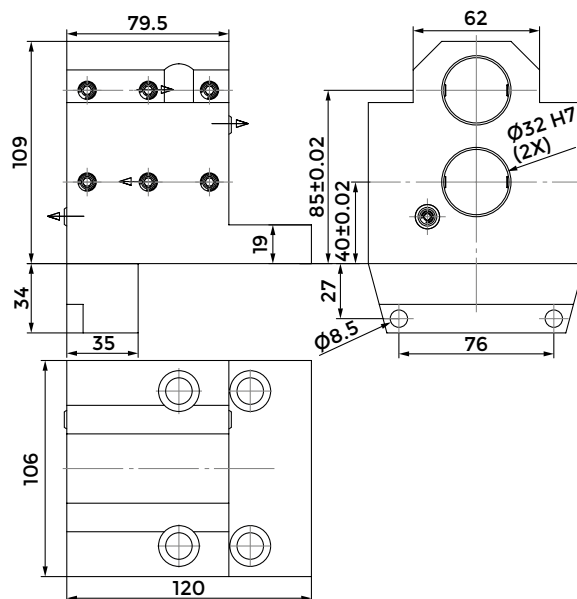
COD.	CLAMPING SCREW 1 (M10X25)	CLAMPING SCREW 2 (M10X14)	COOLANT NOZZLE	COVER	SCREW FOR COVER
					
KMS-TI3064	811-102039	811-102060	833-001110	832-003063	811-101016

TOOLHOLDER FOR BORING BAR



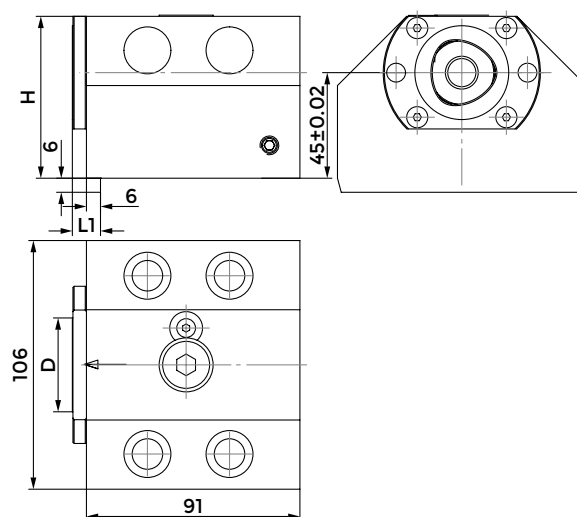
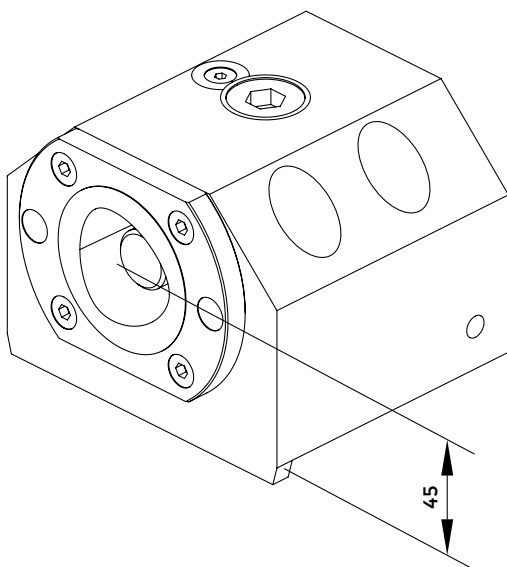
COD.	CLAMPING SCREW	COOLANT NOZZLE	PIN
			
KMS-TI0086	811-104021	833-001110	815-210170

TOOLHOLDER FOR BORING BAR



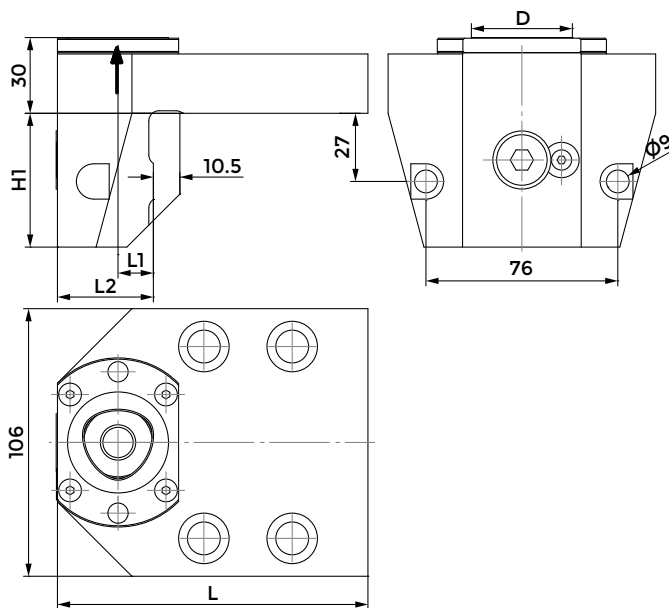
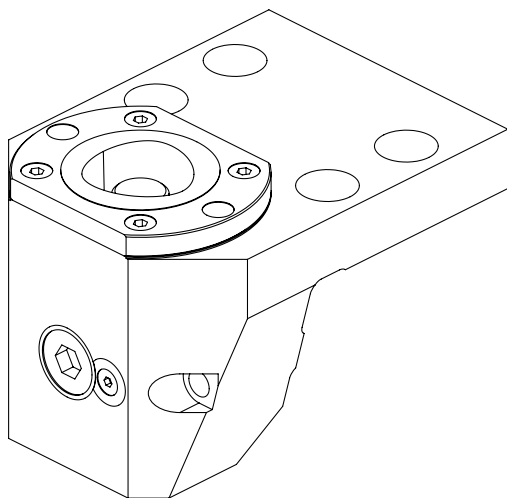
COD.	CLAMPING SCREW	COOLANT NOZZLE
		
KMS-TI0208	811-104021	833-001110

POLYGONAL TOOLHOLDER



COD.	POLYGONAL	D	H	L1	CLAMPING UNIT
128-12526	C40	40	69	12	CXC40-10
128-12509	C50	50	77	14	CXC50-10

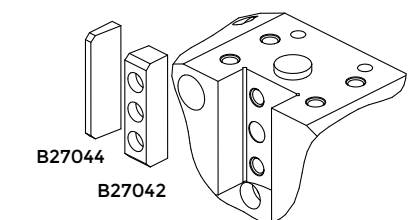
POLYGONAL TOOLHOLDER



COD.	POLYGONAL	D	H1	L	L1	L2	CLAMPING UNIT
128-12527	C40	40	53	123	14	38	CXC40-10
128-12513	C50	50	65	139	22	54	CXC50-10

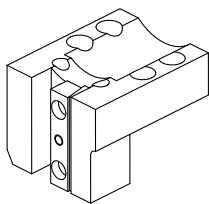
DMG MORI - SL150 - SL153 - ZL150 - CL150 - SL154 - SL153MC - ZL150MC - SL154MC
CMZ - TL15

**DIRECT MONTING
ON TURRET**



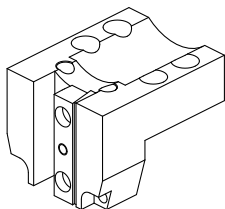
**FACE AND
O.D. CUTTING
HOLDER
(ONLY FOR
CL150)**

KMS-T00078
20x20 mm



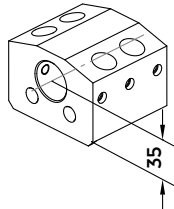
**FACE AND
O.D. CUTTING
HOLDER**

KMS-T00146
20x20 mm



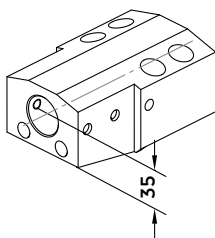
**TOOLHOLDER
FOR BORING
BAR**

KMS-T10046
Ø32 mm



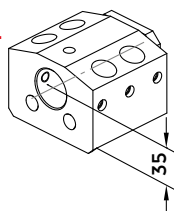
**TOOLHOLDER
FOR BORING
BAR**

KMS-T10052
Ø32 mm



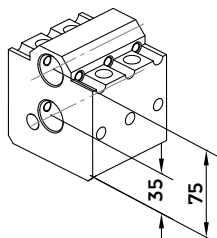
**COMBI
TOOLHOLDER WITH
INTERNAL COOLANT
FOR BORING BAR
AND INSERT DRILL**

KMS-T13066
Ø32 mm



**TOOLHOLDER
FOR BORING
BAR**

KMS-T10082
Ø25 mm

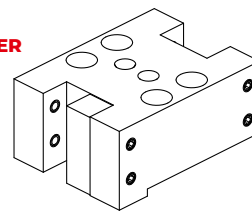


QUALIFIED TOOL



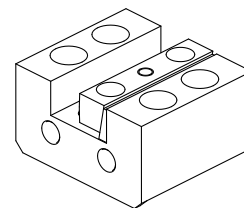
**FACE AND O.D.
CUTTING HOLDER**

KMS-T00108
20x20 mm



**FACE AND
O.D. CUTTING
HOLDER**

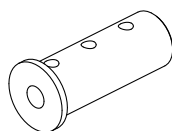
KMS-T00080
20x20 mm



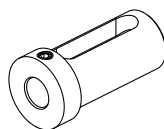
ACCESSORIES

BORING BAR SLEEVE

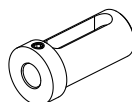
p. 707



8946 (Ø25 mm)
8945 (Ø20 mm)
8944 (Ø16 mm)
8943 (Ø12 mm)
8942 (Ø10 mm)
8941 (Ø8 mm)

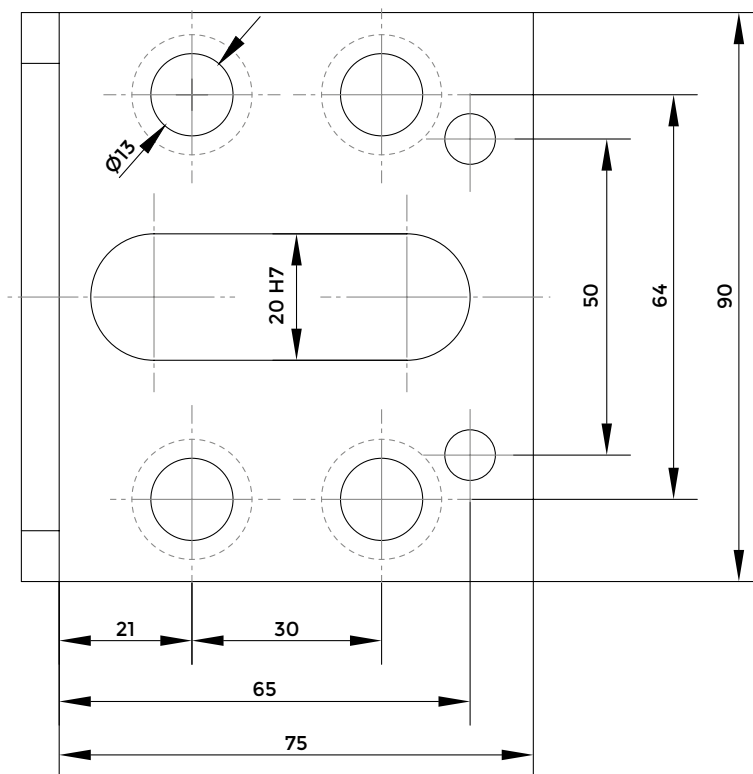


8764 (Ø16 mm)
8766 (Ø20 mm)
8767 (Ø25 mm)

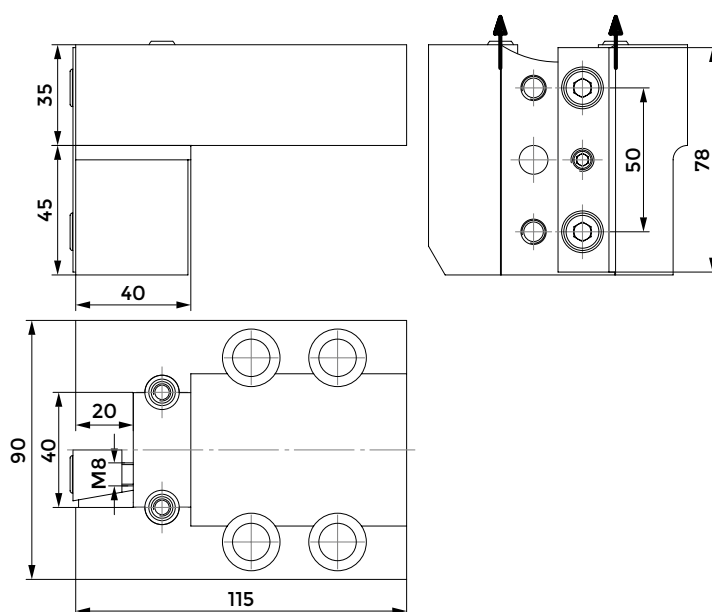


165-62545 (Ø12 mm)
165-62547 (Ø16 mm)
165-62549 (Ø20 mm)

CONNECTION

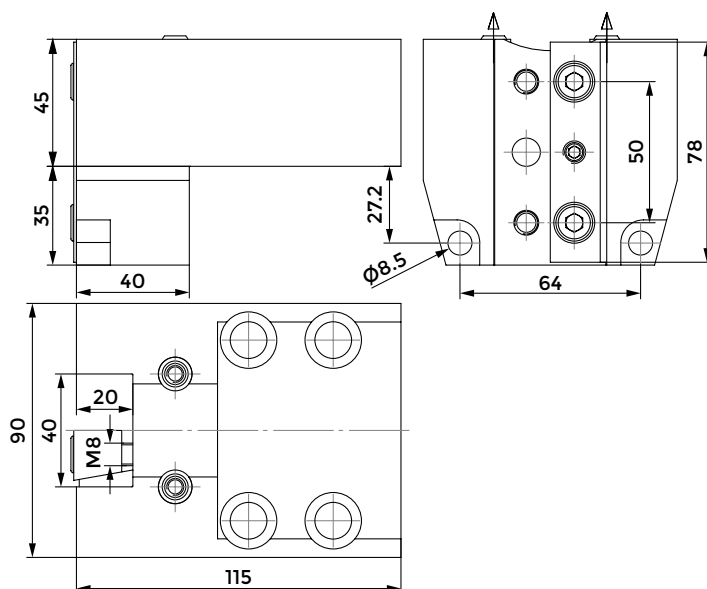
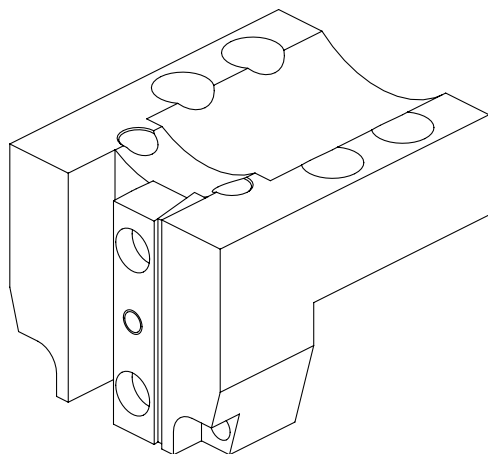


RADIAL TOOLHOLDER



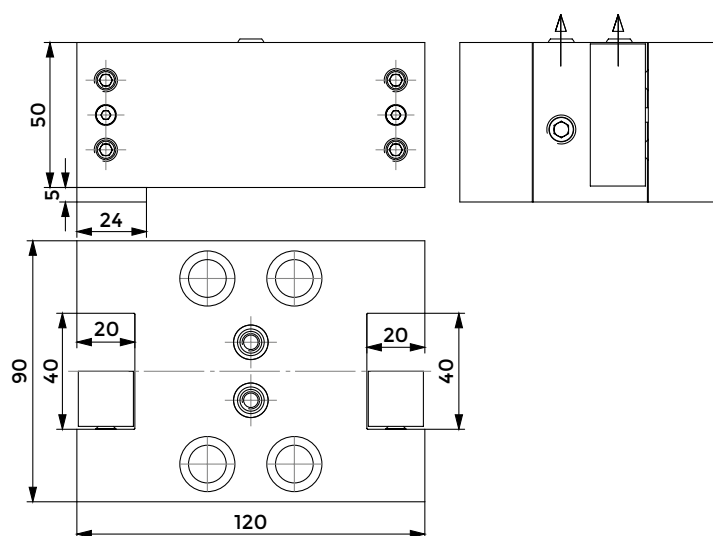
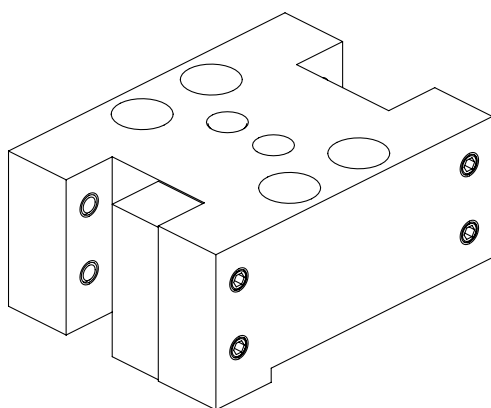
COD.	CLAMPING PLATE	COOLANT NOZZLE
		
KMS-T00078	832-007200	833-001110

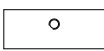
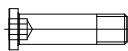
RADIAL TOOLHOLDER



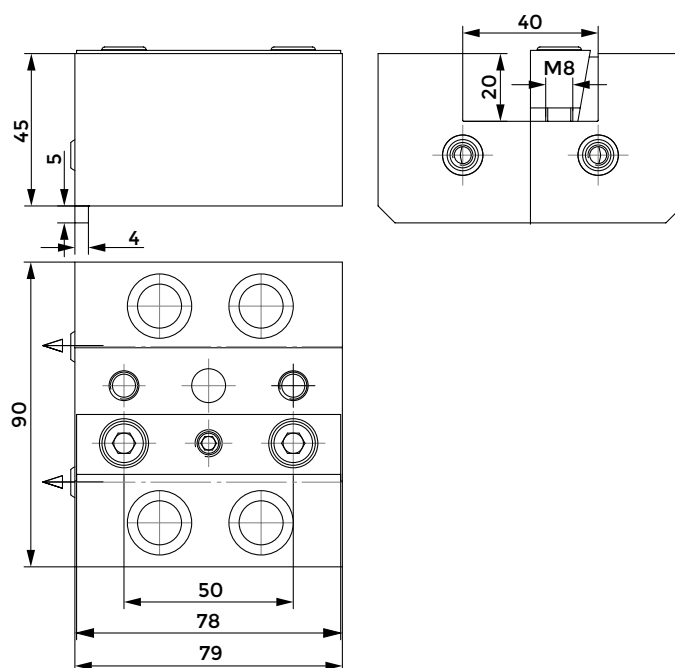
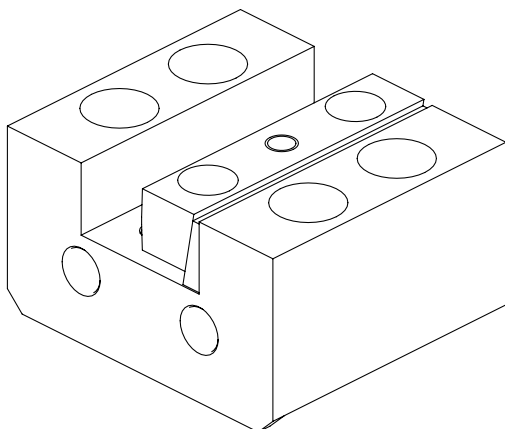
COD.	CLAMPING PLATE	COOLANT NOZZLE
		
KMS-T00146	832-007200	833-001110

RADIAL TOOLHOLDER



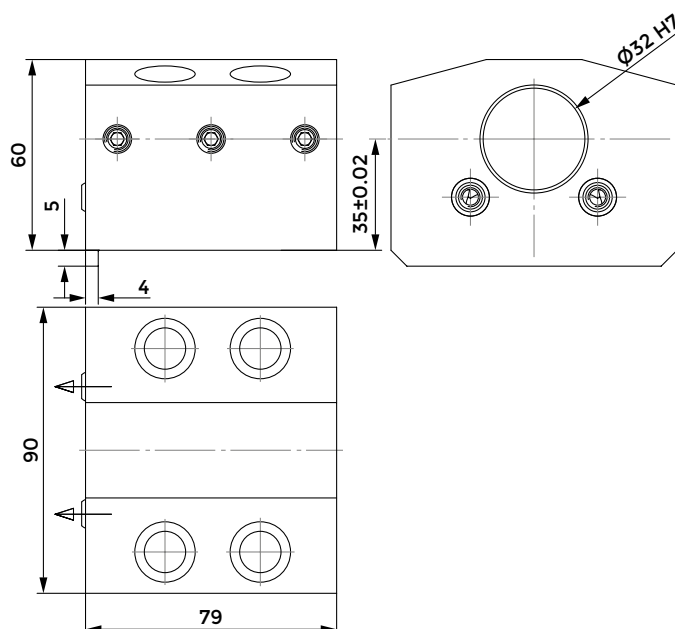
COD.	CLAMPING SCREW	CLAMPING PLATE	SPRING FOR CLAMPING PLATE	SCREW FOR CLAMPING PLATE	COOLANT NOZZLE
					
KMS-T00108	811-102031	832-002096	824-101010	811-302004	833-001110

AXIAL TOOLHOLDER



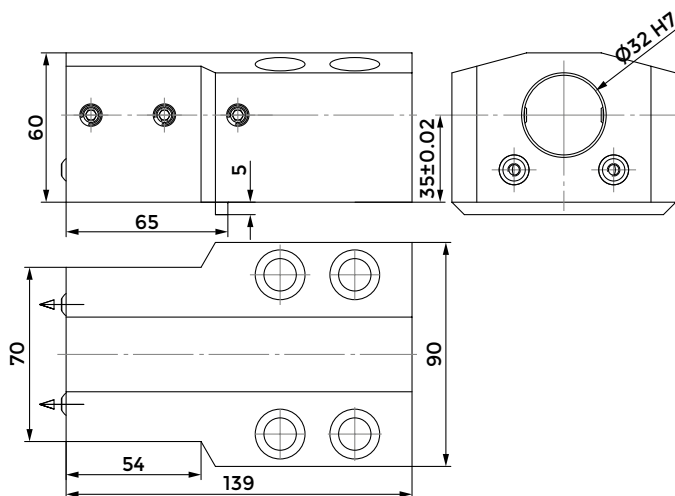
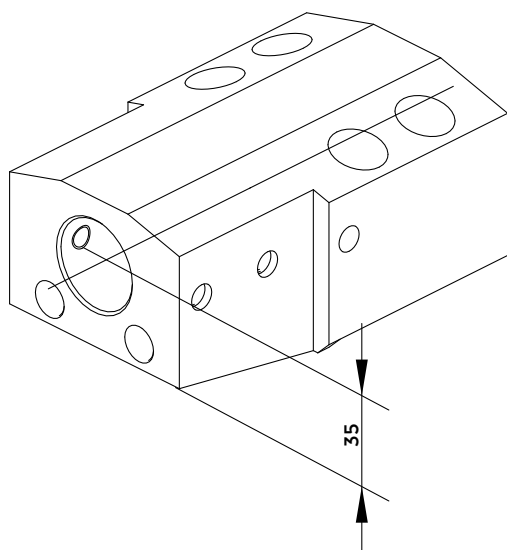
COD.	CLAMPING PLATE	COOLANT NOZZLE
		
KMS-T00080	832-007200	833-001110

TOOLHOLDER FOR BORING BAR



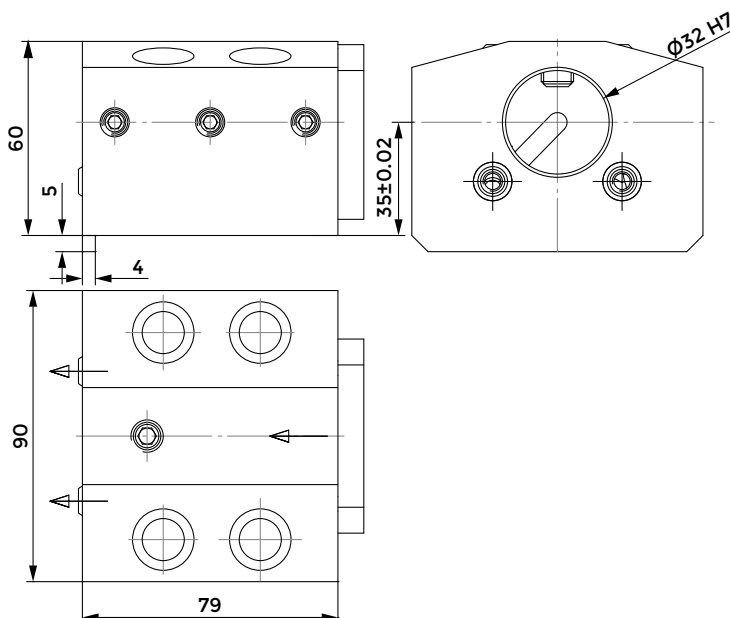
COD.	CLAMPING PLATE	COOLANT NOZZLE
		
KMS-T10046	811-102031	833-001110

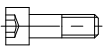
TOOLHOLDER FOR BORING BAR



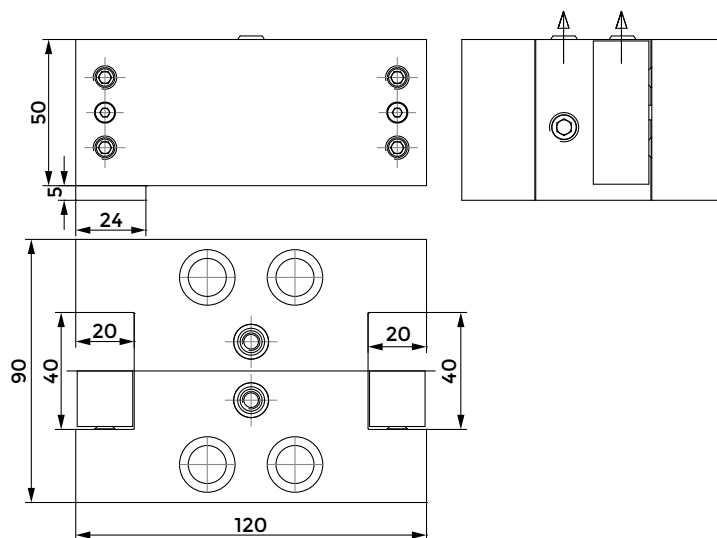
COD.	CLAMPING SCREW	COOLANT NOZZLE
		
KMS-TI0052	811-102030	833-001080

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	CLAMPING SCREW 1 (M8X25)	CLAMPING SCREW 2 (M10X14)	COOLANT NOZZLE	COVER	SCREW FOR COVER
					
KMS-TI3066	811-102031	811-102060	833-001110	832-003062	811-101016

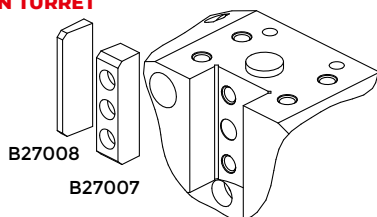
TOOLHOLDER FOR BORING BAR



COD.	CLAMPING SCREW	COOLANT NOZZLE
		
KMS-TI0082	811-104021	833-001110

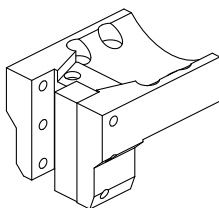
DMG MORI - CL 200/203 - SL 20/25 - SL 200/203/204/250/253/254 (MC, SMD)/2500Y - ZL/DL 200/250 (MC)
DURATURN 2030 - DURATURN 2050 - DURATURN 2550
GOODWAY - GS 200/260/280 - GA 2000/2600/2800/3000/3300/3600

**DIRECT MONTING
ON TURRET**



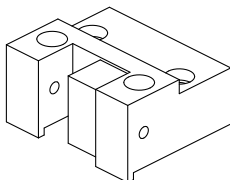
**FACE AND O.D.
CUTTING HOLDER
(also for machine
CLB2000B-MT2000
ZT2500-
DURATURN2550)**

KMS-T00074
25x25 mm



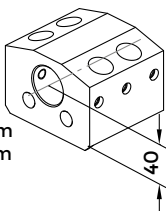
**FACE AND O.D.
CUTTING HOLDER**

KMS-T00174
25x25 mm



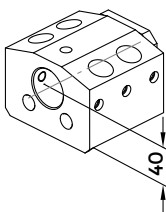
**TOOLHOLDER
FOR BORING
BAR**

KMS-T10036 - Ø40 mm
KMS-T10044 - Ø50 mm



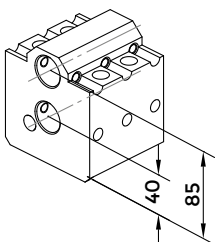
**TOOLHOLDER
FOR BORING
BAR**

KMS-T13064
Ø40 mm



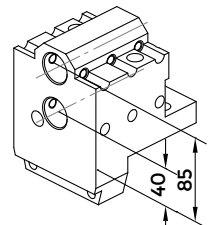
**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

KMS-T10086
Ø32 mm



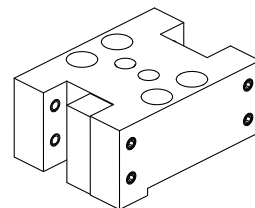
**TOOLHOLDER
FOR BORING
BAR**

KMS-T10208
Ø32 mm



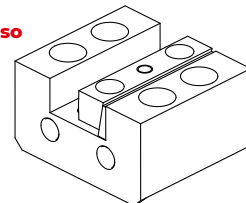
**FACE AND O.D.
CUTTING HOLDER**

KMS-T00158
25x25 mm



**FACE AND O.D.
CUTTING HOLDER (also
for machine
CLB2000B-MT2000
ZT2500-
DURATURN2550)**

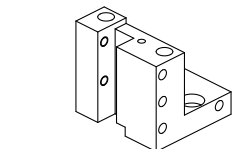
KMS-T00068
25x25 mm



QUALIFIED TOOL



**CUT-OFF HOLDER
(also for machine
CLB2000B-MT2000
ZT2500-DURATURN2550)**



KMS-T00156 - 25x25 mm

CUT-OFF TOOL



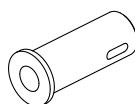
ACCESSORIES

BORING BAR SLEEVE

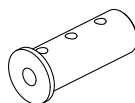
p. 707

D40

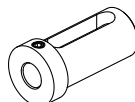
D50



8960 (MT3)
8959 (MT2)

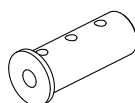


5906 (Ø32 mm)
5905 (Ø25 mm)
5904 (Ø20 mm)
5903 (Ø16 mm)
5902 (Ø12 mm)
5901 (Ø10 mm)
5900 (Ø8 mm)

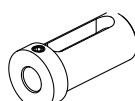


8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

8773 (Ø25 mm)
8774 (Ø32 mm)
8775 (Ø40 mm)

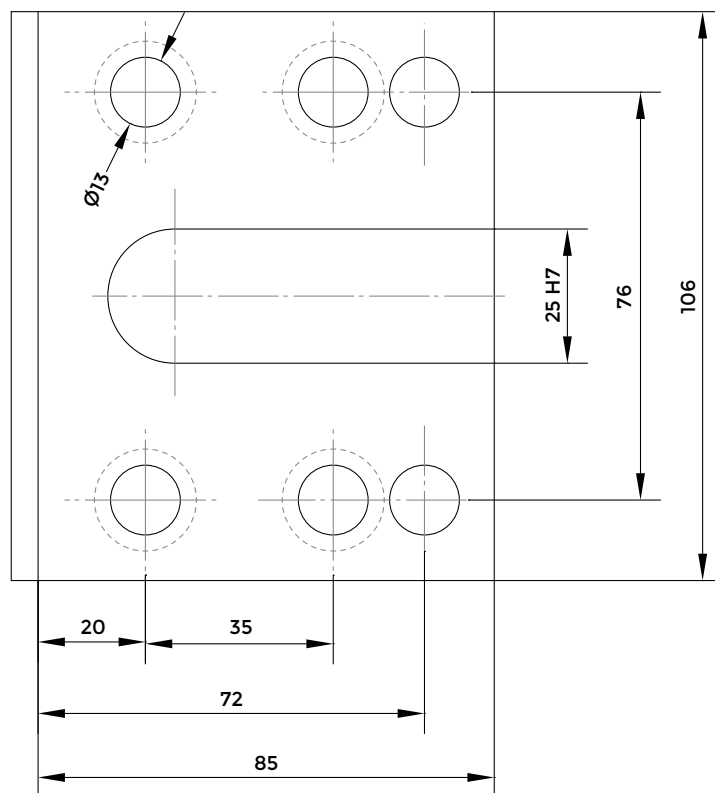


8946 (Ø25 mm)
8945 (Ø20 mm)
8944 (Ø16 mm)
8943 (Ø12 mm)
8942 (Ø10 mm)
8941 (Ø8 mm)

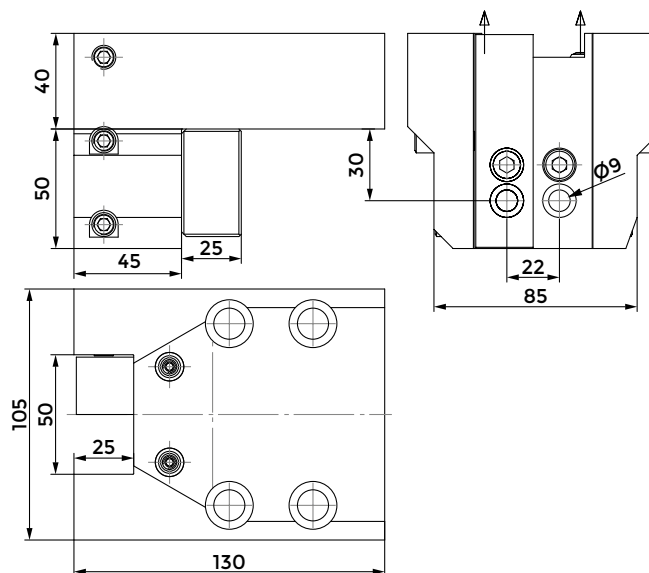


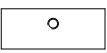
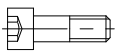
8764 (Ø16 mm)
8766 (Ø20 mm)
8767 (Ø25 mm)

CONNECTION

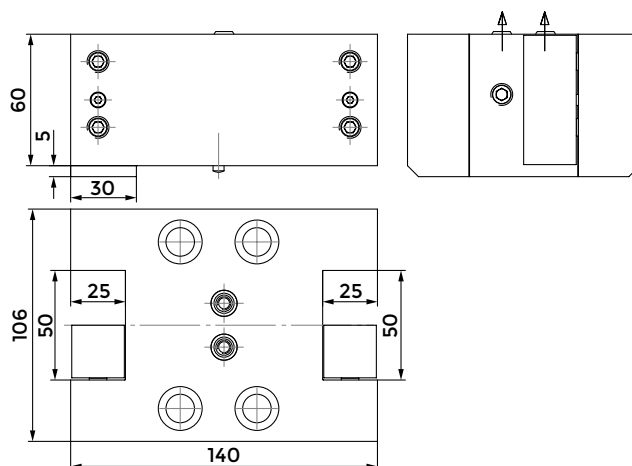
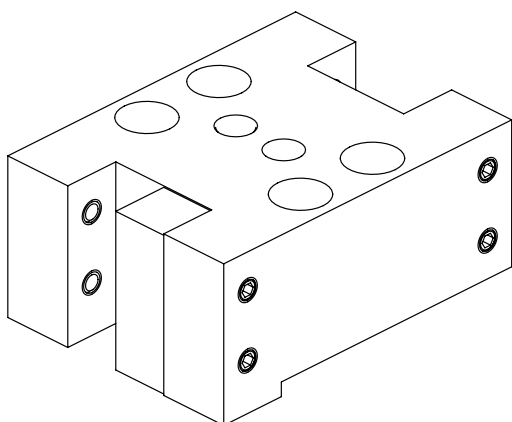


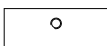
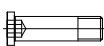
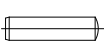
RADIAL TOOLHOLDER

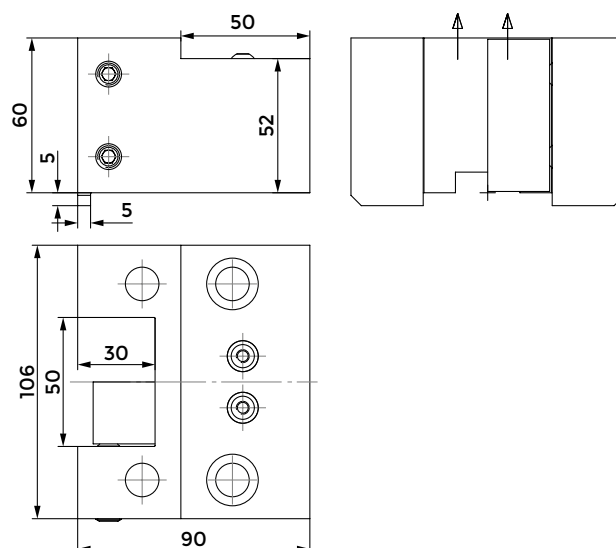


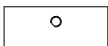
COD.	CLAMPING SCREW 1 (M10X25)	CLAMPING SCREW 2 (M10X16)	CLAMPING PLATE	COOLANT NOZZLE	SPACER	SCREW FOR SPACER
						
KMS-T00074	811-104030	811-104028	832-002117	833-001110	832-002132	811-101041

RADIAL TOOLHOLDER

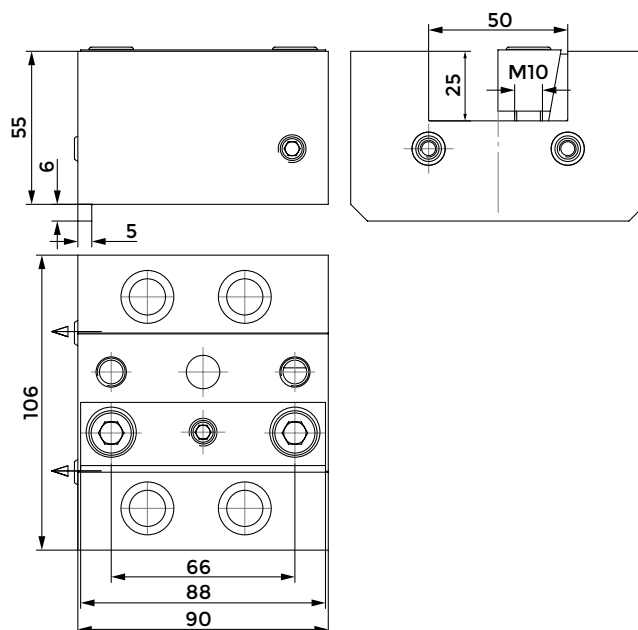


COD.	CLAMPING SCREW	CLAMPING PLATE	SCREW FOR CLAMPING PLATE	SPRING FOR CLAMPING PLATE	COOLANT NOZZLE	PIN
						
KMS-T00158	811-104030	832-002095	811-302004	824-101010	833-001110	815-220008

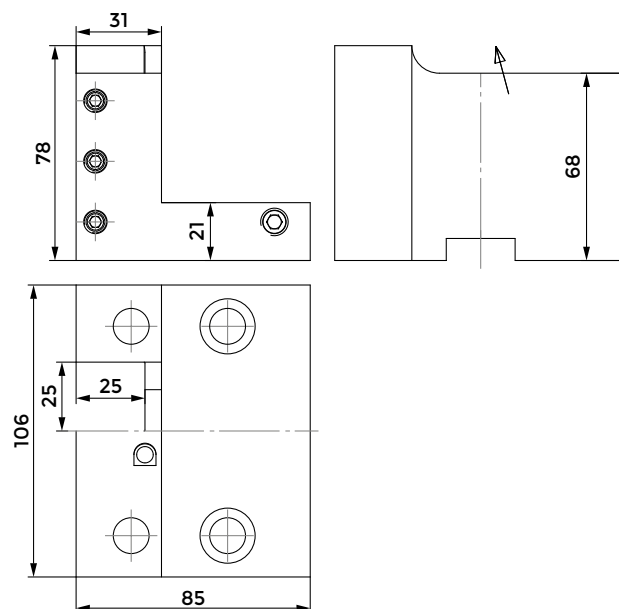


COD.	CLAMPING SCREW	CLAMPING PLATE	COOLANT NOZZLE
			
KMS-T00174	811-102040	832-002095	833-001080

AXIAL TOOLHOLDER

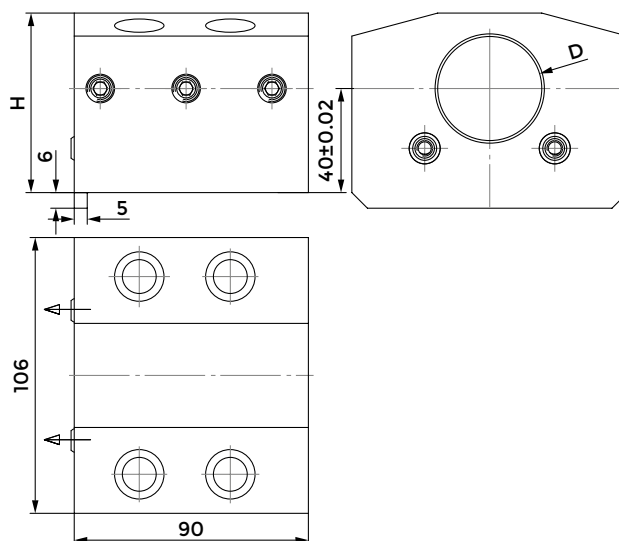


COD.	CLAMPING PLATE	COOLANT NOZZLE
		
KMS-T00068	832-007500	833-001110



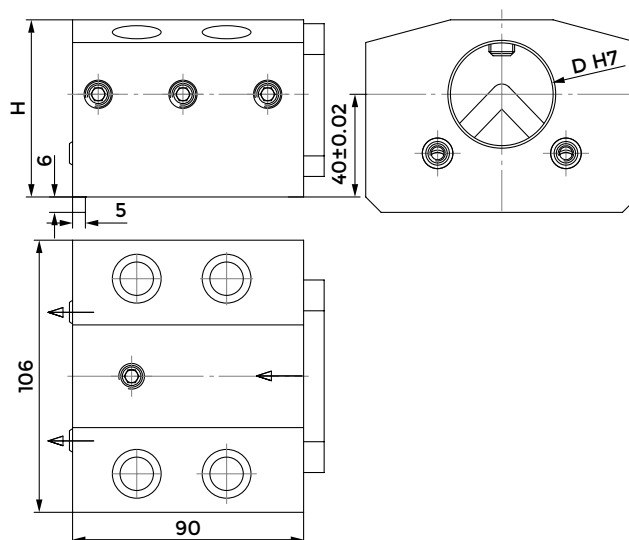
COD.	CLAMPING SCREW
	
KMS-T00156	811-104023

TOOLHOLDER FOR BORING BAR



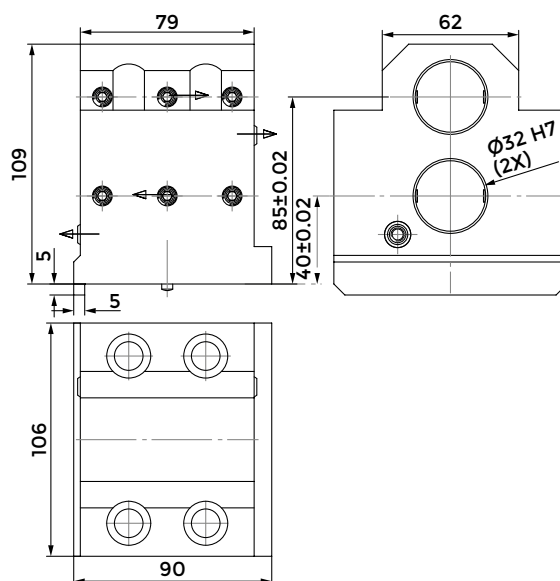
COD.	D	H	CLAMPING SCREW	COOLANT NOZZLE
				
KMS-TI0036	40	69	811-102039	833-001110
KMS-TI0044	50	74	811-102038	833-001110

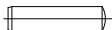
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL

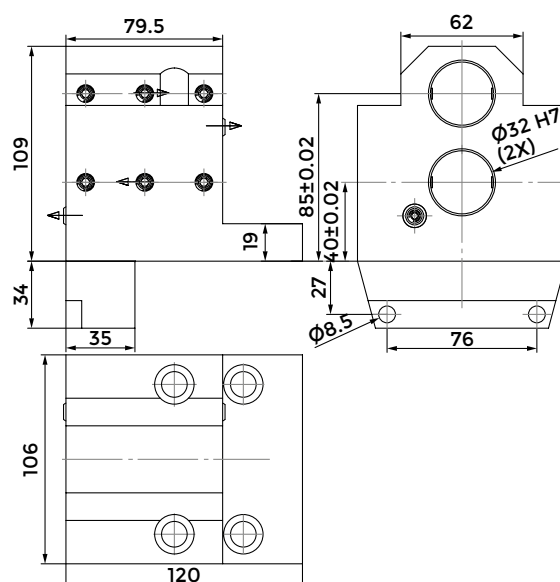
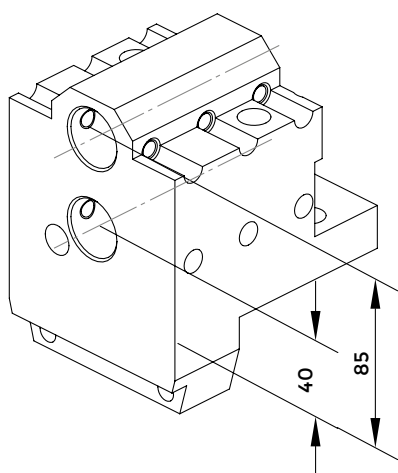


COD.	D	H	CLAMPING SCREW 1 (D40M10X25) (D50M10X20)	CLAMPING SCREW 2 (M10X14)	COOLANT NOZZLE	COVER	SCREW FOR COVER
							
KMS-TI3064	40	69	811-102039	811-102060	833-001110	832-003063	811-101016

TOOLHOLDER FOR BORING BAR



COD.	CLAMPING SCREW	COOLANT NOZZLE	PIN
KMS-T10086	 811-104021	 833-001110	 815-210170

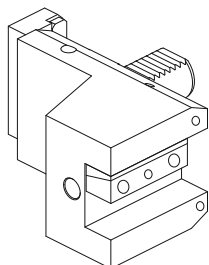


COD.	CLAMPING SCREW	COOLANT NOZZLE
KMS-T10208	 811-104021	 833-001110

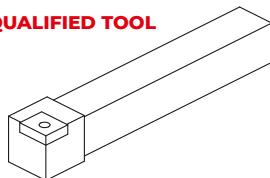
OKUMA (VDI30) - LT10M - LT200M - LB10

**AXIAL
TOOLHOLDER**

112-330080
20x20 mm



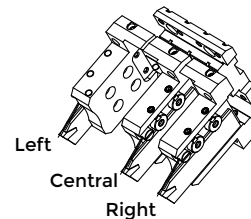
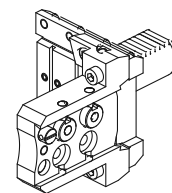
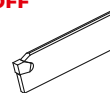
QUALIFIED TOOL



CUT-OFF HOLDER

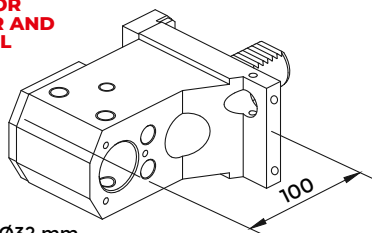
117-53001 - 26 mm

**CUT-OFF
TOOL**



**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

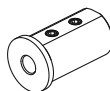
115-230460 - Ø32 mm



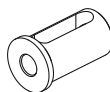
ACCESSORIES

BORING BAR SLEEVE

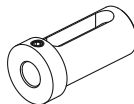
p. 707



9607 (Ø8 mm)
9608 (Ø10 mm)
9609 (Ø12 mm)

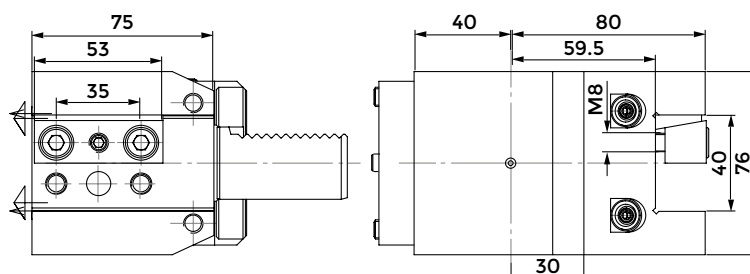


9611 (Ø16 mm)
9613 (Ø25 mm)
9614 (Ø20 mm)



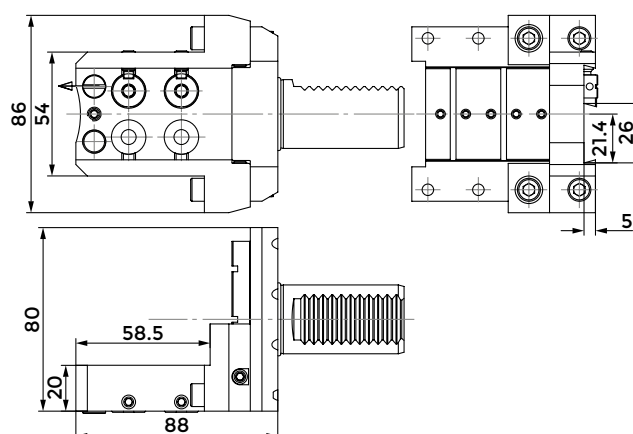
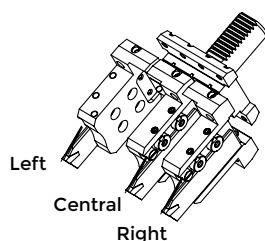
8764 (Ø16 mm)
8766 (Ø20 mm)
8767 (Ø25 mm)

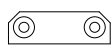
AXIAL TOOLHOLDER



COD.	CLAMPING PLATE	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE	STOP SCREW	O RING VDI30
						
112-330080	832-007190	833-001110	832-018380	811-101038	811-102020	823-101017

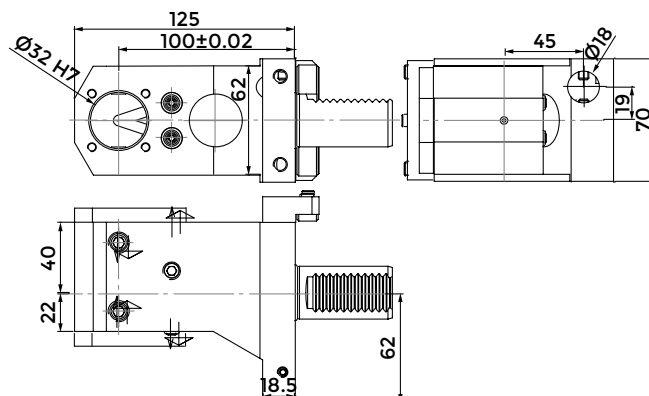
CUT-OFF HOLDER

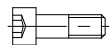


COD.	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING VDI30	SHIM PLATE
					
117-53001	833-001490	823-101058	823-101061	823-101017	832-014448

COD.	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
					
117-53001	811-108037	832-014447	824-300012	811-101027	811-104013

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL

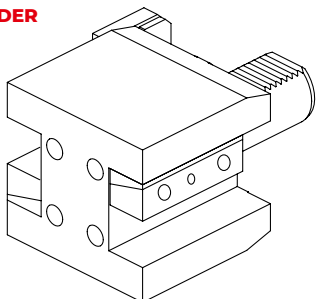


COD.	CLAMPING SCREW	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE
				
115-230460	811-102043	833-001110	832-018380	811-101038
COD.	STOP SCREW	COVER	SCREW FOR COVER	O RING VDI30
				
115-230460	811-102020	832-003212	811-101016	823-101017

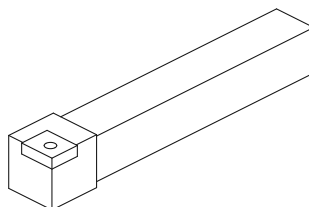
OKUMA (VDI40) - LT15M - LT300M - MT250 - LB300 - LB300M - LV300

AXIAL TOOLHOLDER

112-14009
25X25 mm

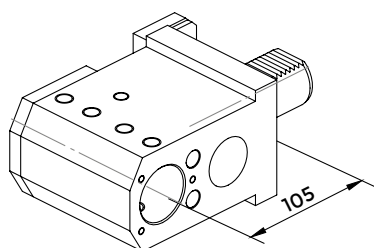


QUALIFIED TOOL



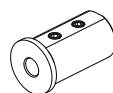
**COMBI TOOLHOLDER WITH
INTERNAL COOLANT FOR BORING
BAR AND INSERT DRILL**

115-240810 - Ø40 mm

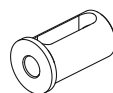


BORING BAR SLEEVE

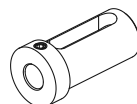
p. 705



9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)

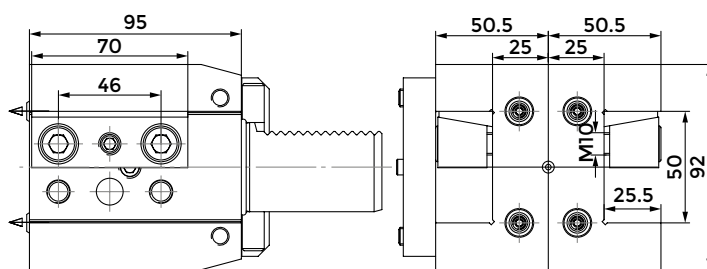


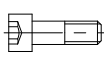
9619 (Ø16 mm)
9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)



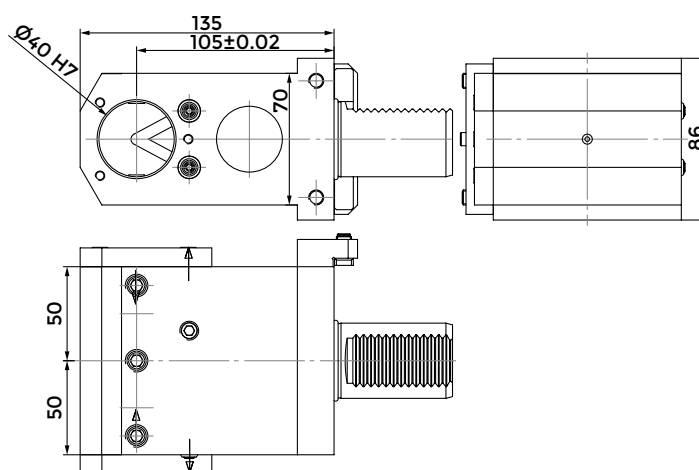
8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

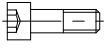
AXIAL TOOLHOLDER

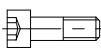


COD.	CLAMPING PLATE	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE	O RING VDI40
					
112-14009	832-007010	833-001110	832-020730	811-101039	823-101036

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



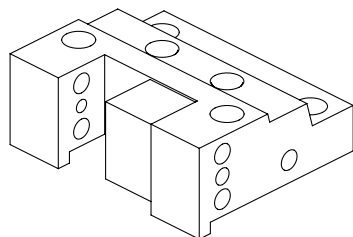
COD.	CLAMPING SCREW	COOLANT NOZZLE	STOP PLATE	SCREW FOR STOP PLATE
				
115-240810	811-102043	833-001110	832-020730	811-101039

COD.	COVER	SCREW FOR COVER	O RING VDI40
			
115-240810	832-003104	811-101017	823-101036

OKUMA - LB15 - LB25 - LB15II - LB300

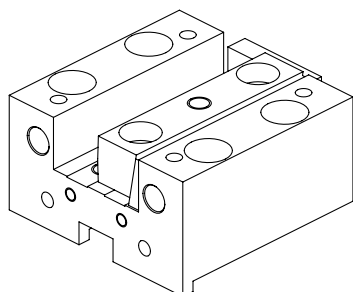
HAAS - SL20 - SL30 - ST-20 - ST-25 - ST-30 - ST-35 - DS-30

**FACE AND O.D.
CUTTING HOLDER**



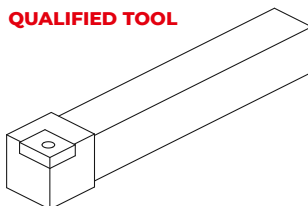
128-420110 - 25x25 mm

**FACE AND O.D.
CUTTING HOLDER**

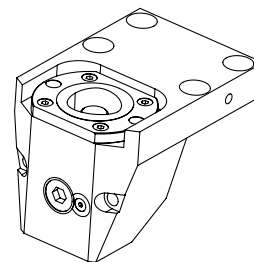


128-32001 - 25x25 mm

QUALIFIED TOOL

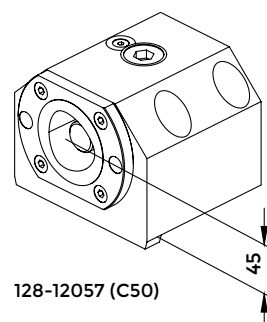


POLYGONAL TOOL HOLDER



128-12059 (C50)

POLYGONAL TOOL HOLDER



128-12057 (C50)

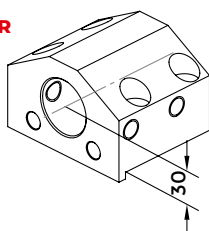
ACCESSORIES

BORING BAR SLEEVE

p. 707

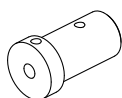
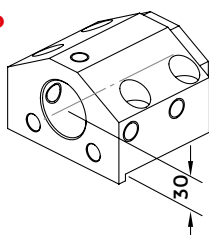
**TOOLHOLDER FOR
BORING BAR**

128-22001
Ø40 mm

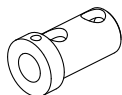


**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

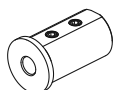
128-22005
Ø40 mm



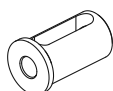
8971 (Ø10 mm)
8972 (Ø12 mm)
8973 (Ø16 mm)
8974 (Ø20 mm)



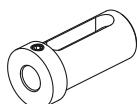
8975 (Ø25 mm)
8976 (Ø32 mm)



9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)

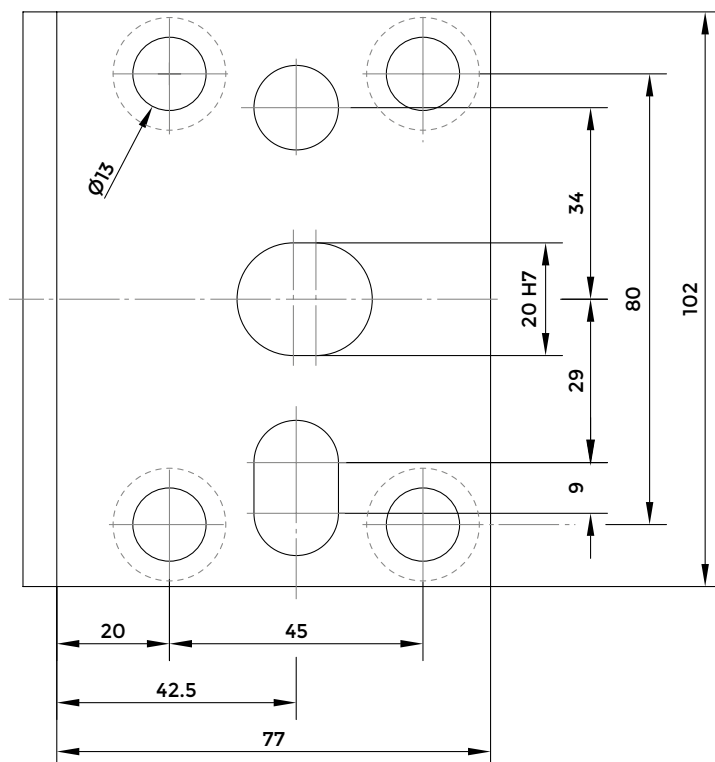


9619 (Ø16 mm)
9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)

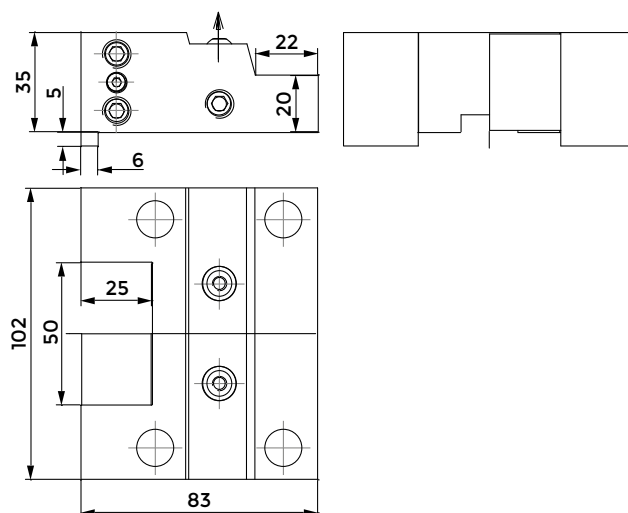


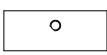
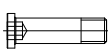
8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

CONNECTION

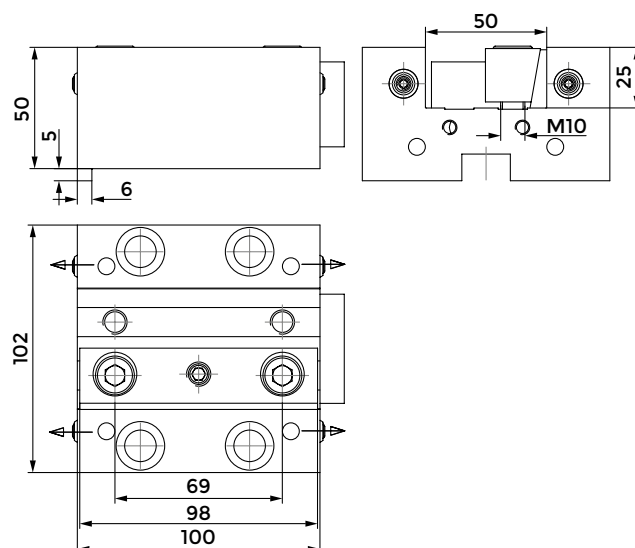


RADIAL TOOLHOLDER



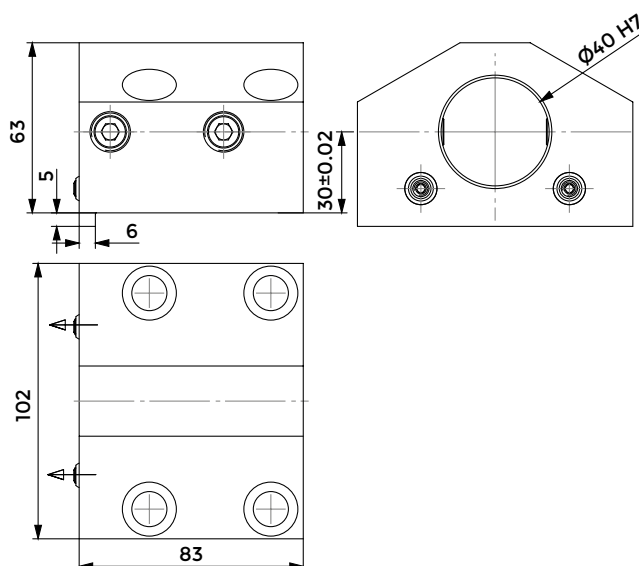
COD.	CLAMPING SCREW	CLAMPING PLATE	SCREW FOR CLAMPING PLATE	SPRING FOR CLAMPING PLATE	COOLANT NOZZLE
128-420110					
128-420110	811-104030	832-002069	811-302004	824-101010	833-001080

AXIAL TOOLHOLDER



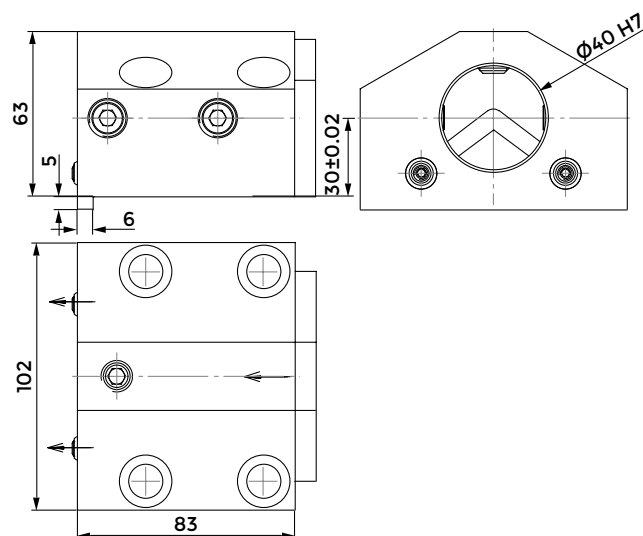
COD.	CLAMPING PLATE	COOLANT NOZZLE	STOP PLATE	SCREW FOR PLATE
				
128-32001	832-007220	833-001110	832-003045	811-101026

TOOLHOLDER FOR BORING BAR



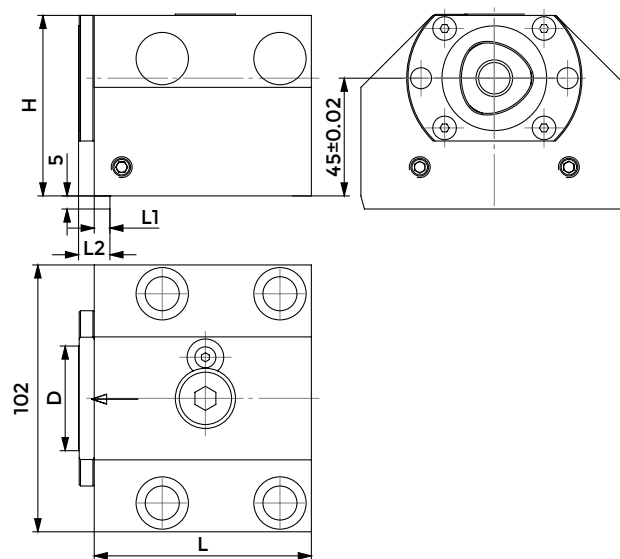
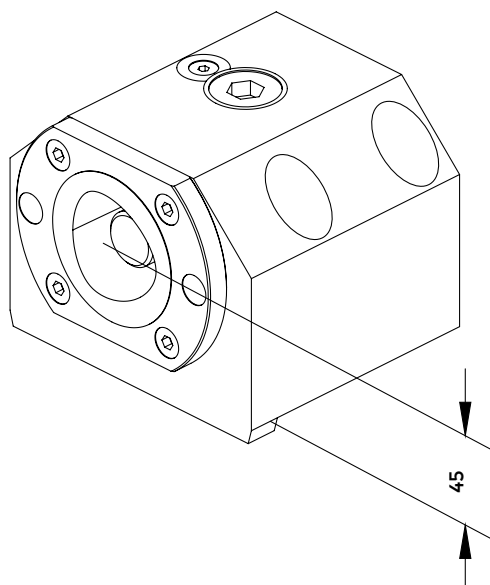
COD.	CLAMPING SCREW	COOLANT NOZZLE
		
128-22001	811-104069	833-001110

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



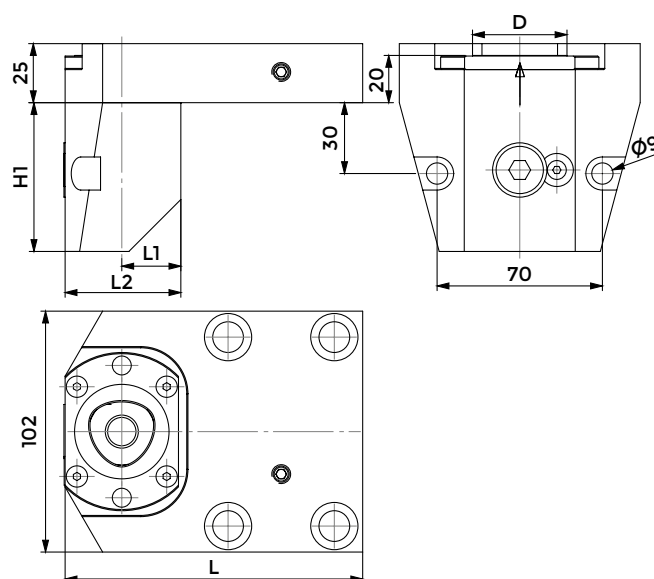
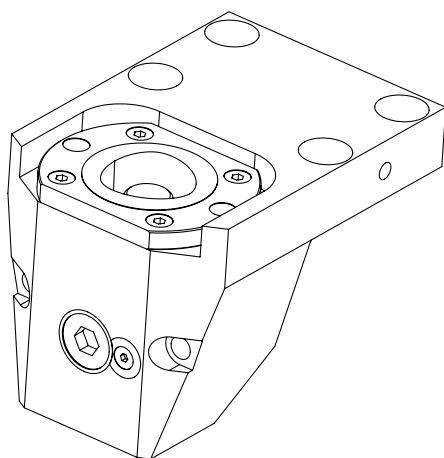
COD.	CLAMPING SCREW 1	CLAMPING SCREW 2	COOLANT NOZZLE	COVER	SCREW FOR COVER
					
128-22005	811-104069	811-102043	833-001110	832-003056	811-101016

POLYGONAL TOOLHOLDER



COD.	POLYGONAL	D	H	L	L1	L2	CLAMPING UNIT
128-12057	C50	50	77	88	11	19	CXC50-10

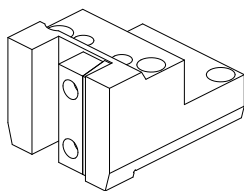
POLYGONAL TOOLHOLDER



COD.	POLYGONAL	D	H	L	L1	L2	CLAMPING UNIT
128-12059	C50	50	75	142	33	65	CXC50-10

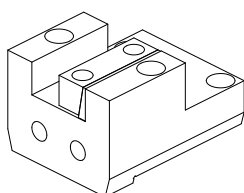
OKUMA (BMT60) - LB2000 EX (M) - LB2500 EX (M) - LB3000 EX (M, MY) - LT2000 EX - LT3000 EX
LB3000 EX (MW, MYW) - LU2000 EX - LU2500 EX - LU3000 EX (M, MW, MY) - GENOS L300 (MY, MW, MYW)

**FACE AND O.D.
CUTTING HOLDER**



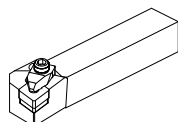
128-41507 - 25x25 mm

**FACE AND O.D.
CUTTING HOLDER**



128-31503 - 25x25 mm

QUALIFIED TOOL

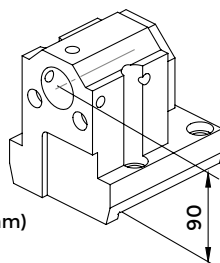


FAST-IN p. 490
DRIVEN TOOLS p. 298



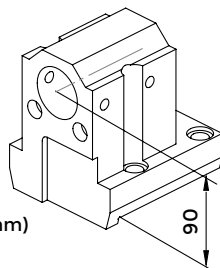
ACCESSORIES

**TOOLHOLDER
FOR BORING
BAR**



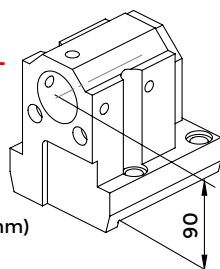
128-21514 (Ø32 mm)

**TOOLHOLDER
FOR BORING
BAR**



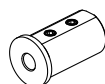
128-21515 (Ø40 mm)

**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR
AND INSERT
DRILL**

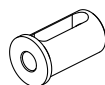


128-21516 (Ø40 mm)

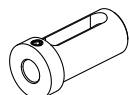
BORING BAR SLEEVE
p. 707



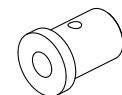
9607 (Ø8 mm)
9608 (Ø10 mm)
9609 (Ø12 mm)



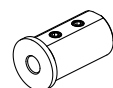
9611 (Ø16 mm)
9613 (Ø20 mm)
9614 (Ø25 mm)



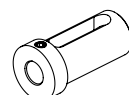
8764 (Ø16 mm)
8766 (Ø20 mm)
8767 (Ø25 mm)



8463 (Ø25 mm)
8964 (Ø32 mm)

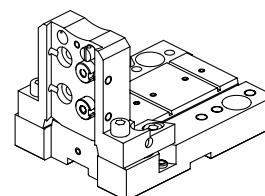


9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)



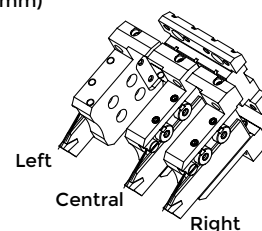
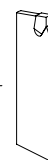
8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

CUT-OFF HOLDER

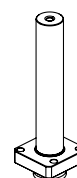


128-11535 (H=32 mm)

CUT-OFF TOOL

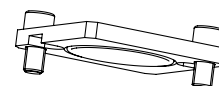


**CONTROL
PIN**
p. 740



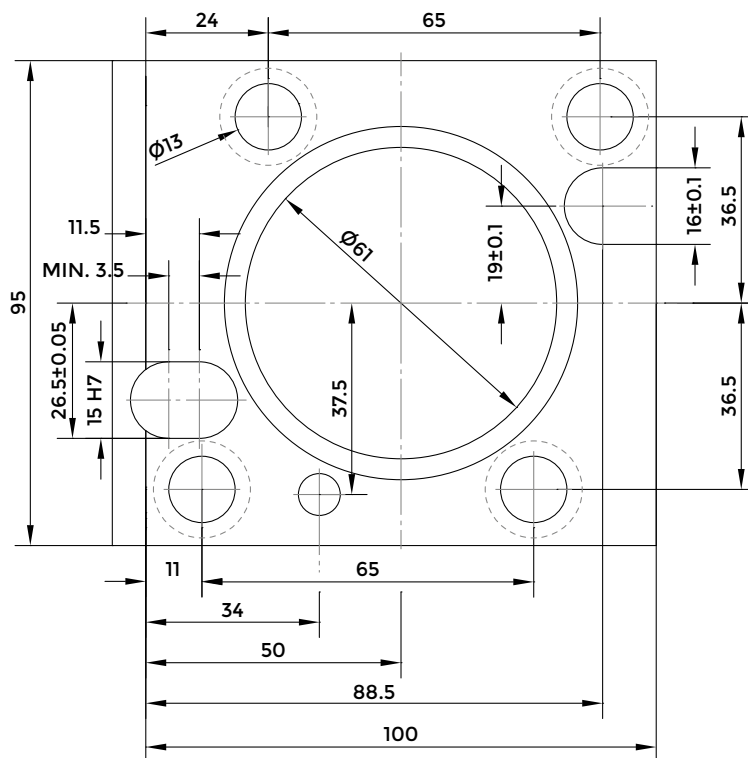
137-00195

**PROTECTION
COVER**

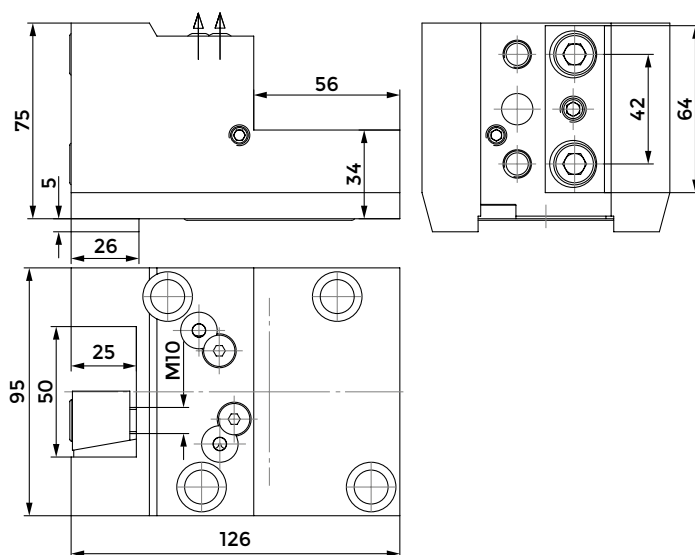
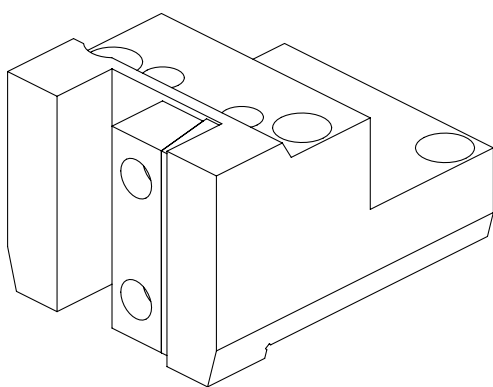


137-00247

CONNECTION

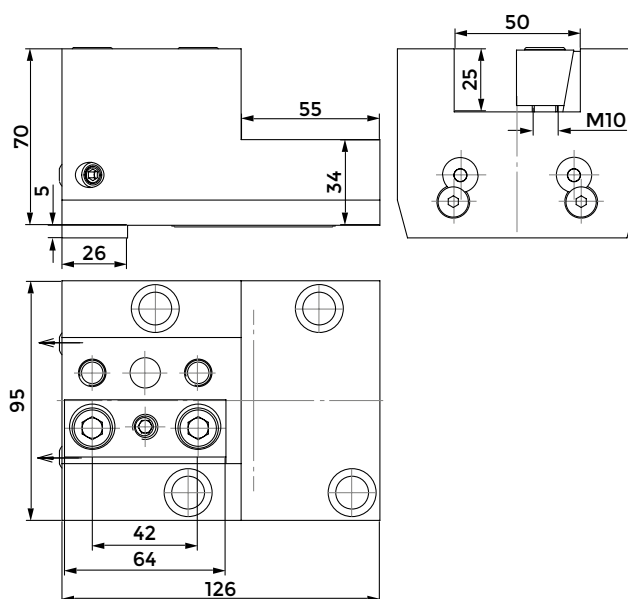
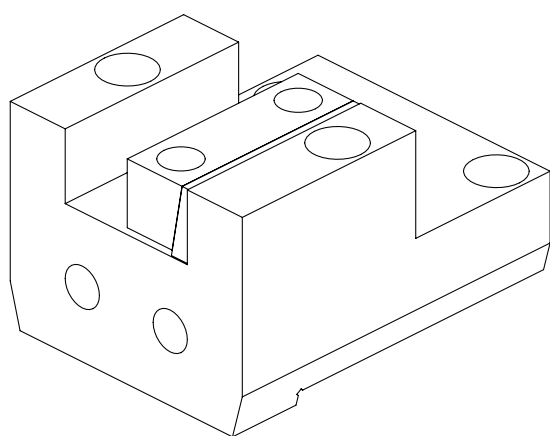


RADIAL TOOLHOLDER



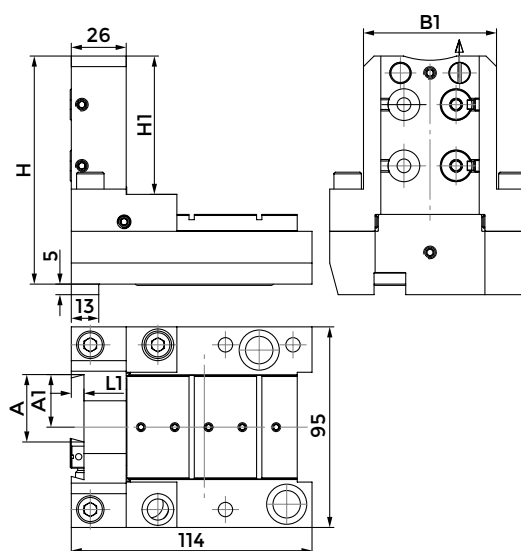
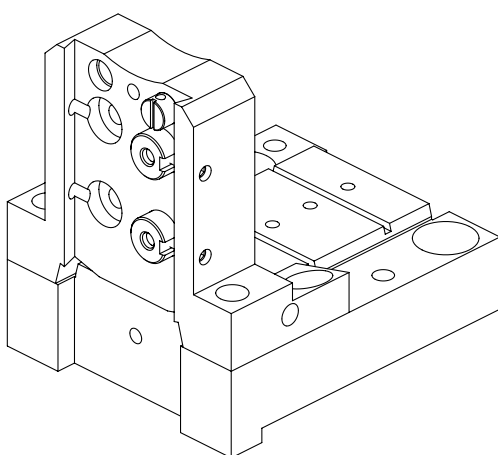
COD.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
128-41507				
128-41507	832-007360	833-001470	811-108018	823-101084

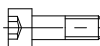
AXIAL TOOLHOLDER



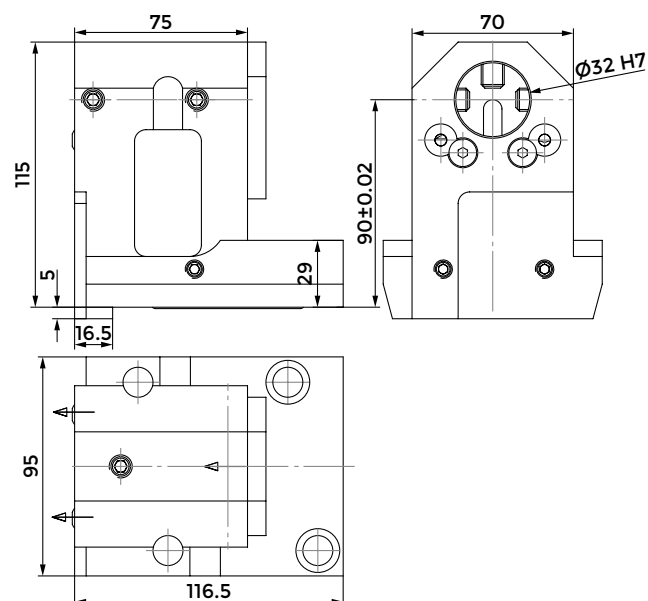
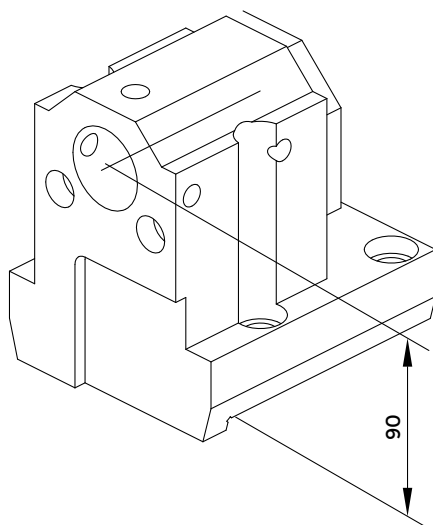
COD.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
128-31503	 832-007360	 833-001470	 811-108018	 823-101084

CUT-OFF HOLDER



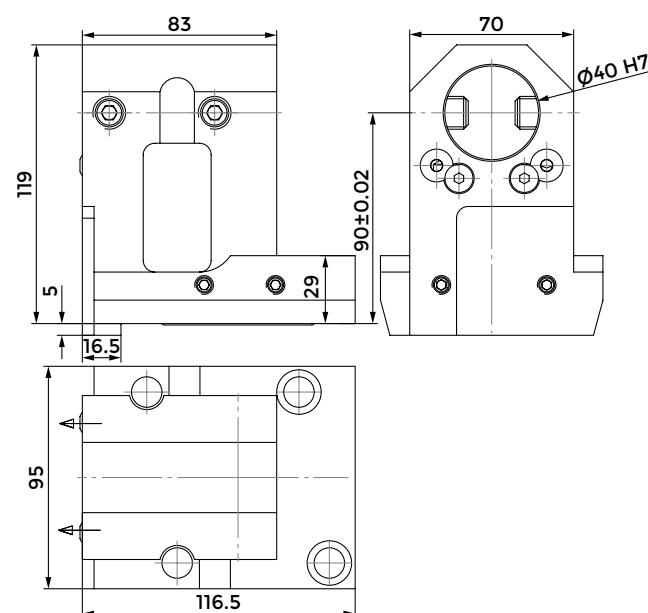
COD.	A	A1	L1	B1	H	H1	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING
										
128-11535	32	25	6	63	108	65.5	833-001490	823-101058	823-101061	823-101084
COD.	SHIM PLATE		SCREW FOR PLATE		CLAMPING PLATE		SPRING	CLAMPING SCREW		SCREW
										
128-11535	832-014449		811-108037		832-014450		824-300012	811-101028		811-104013

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



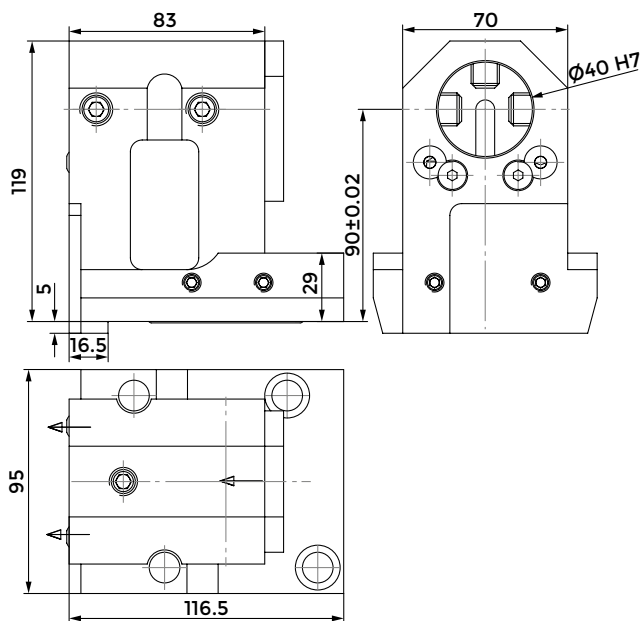
COD.	CLAMPING SCREW 1 (M10X25)	CLAMPING SCREW 2 (M10X20)	COOLANT BALL	SCREW FOR BALL	O RING	COVER	SCREW FOR COVER
							
128-21514	811-102039	811-102038	833-001470	811-108018	823-101084	832-003297	811-101016

TOOLHOLDER FOR BORING BAR



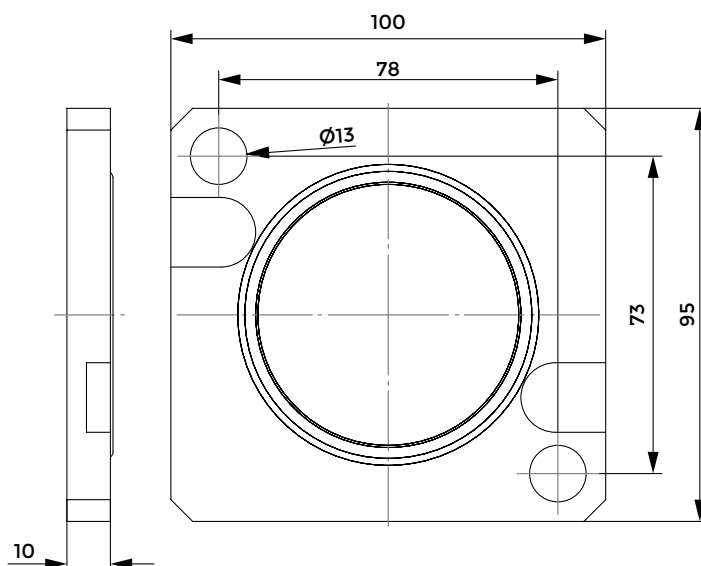
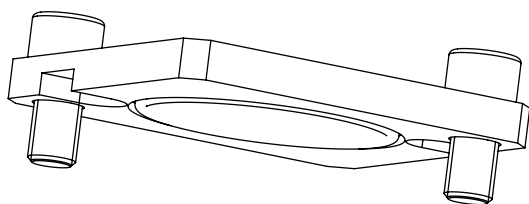
COD.	CLAMPING SCREW	COOLANT BALL	SCREW FOR BALL	O RING
				
128-21515	811-102088	833-001470	811-108018	823-101084

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	CLAMPING SCREW 1 (M14X25)	CLAMPING SCREW 2 (M12X20)	COOLANT BALL	SCREW FOR BALL	O RING	COVER	SCREW FOR COVER
128-21516	811-102088	811-102044	833-001470	811-108018	823-101084	832-003297	811-101016

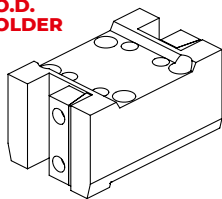
PROTECTION COVER



COD.	O RING
137-00247	823-101084

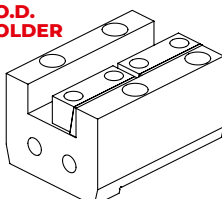
OKUMA (BMT60) - LB3000 EX (MW, MYW)

**FACE AND O.D.
CUTTING HOLDER**



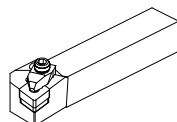
128-41509 - 25x25 mm

**FACE AND O.D.
CUTTING HOLDER**



128-31505 - 25x25 mm

QUALIFIED TOOL

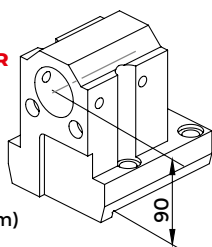


FAST-IN p. 490
DRIVEN TOOLS p. 298



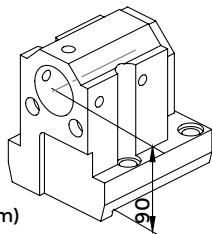
ACCESSORIES

**TOOLHOLDER
FOR BORING BAR**



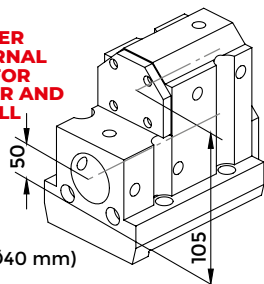
128-21515 (Ø40 mm)

**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR
AND INSERT
DRILL**



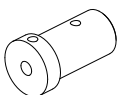
128-21516 (Ø40 mm)

**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

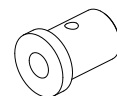


128-21520 (Ø40 mm)

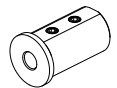
BORING BAR SLEEVE
p. 707



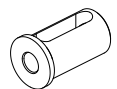
8971 (Ø10 mm)
8972 (Ø12 mm)
8973 (Ø16 mm)
8974 (Ø20 mm)



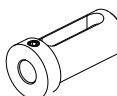
8463 (Ø25 mm)
8964 (Ø32 mm)



9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)

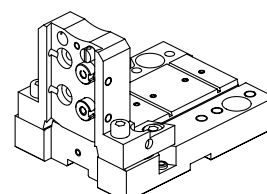


9619 (Ø16 mm)
9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)



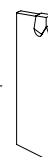
8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

CUT-OFF HOLDER

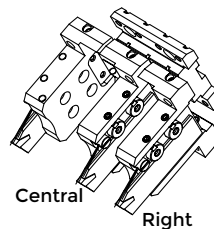


128-11535 (32 mm)

CUT-OFF TOOL



Left



Central

Right

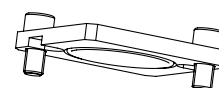
CONTROL PIN

p. 740



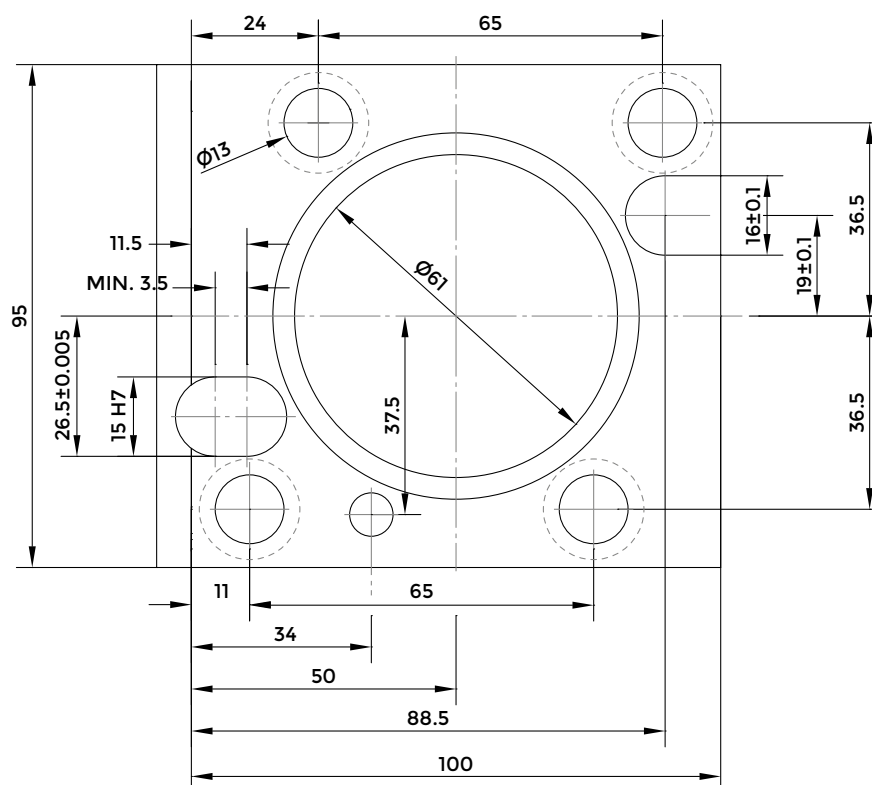
137-00195

**PROTECTION
COVER**

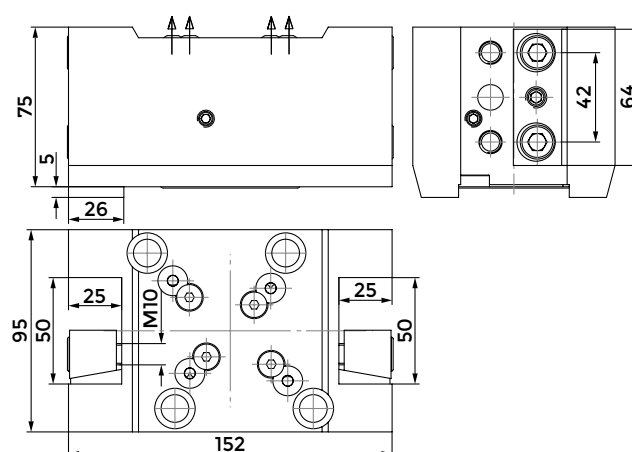
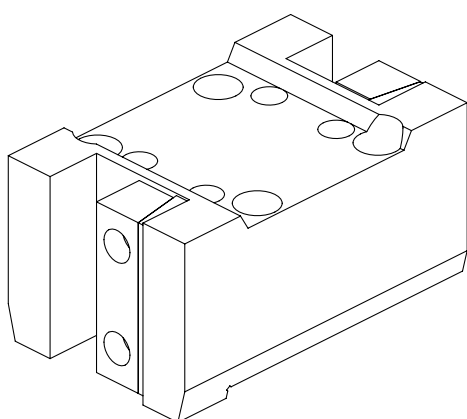


137-00247

CONNECTION

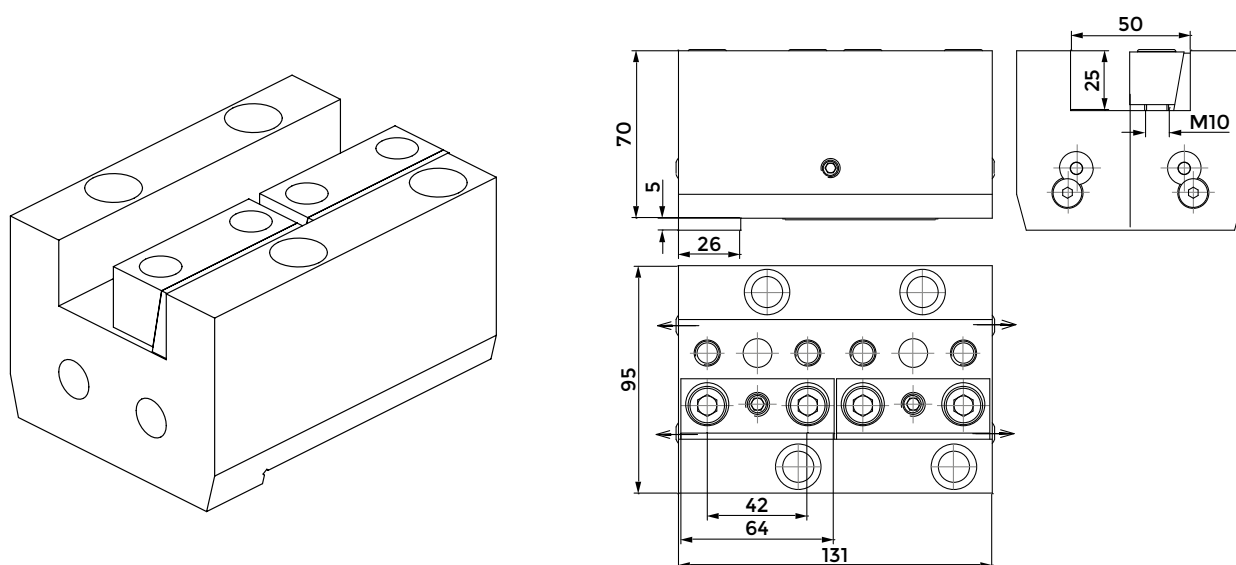


RADIAL TOOLHOLDER



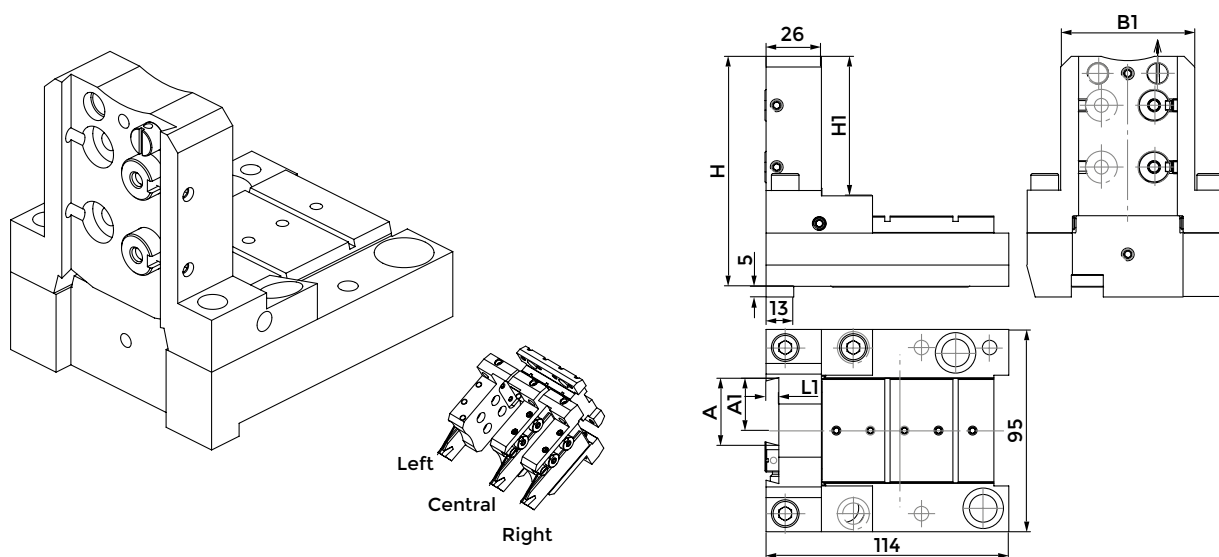
COD.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
128-41509				
128-41509	832-007360	833-001470	811-108018	823-101084

AXIAL TOOLHOLDER

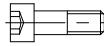


COD.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
128-31505				
	832-007360	833-001470	811-108018	823-101084

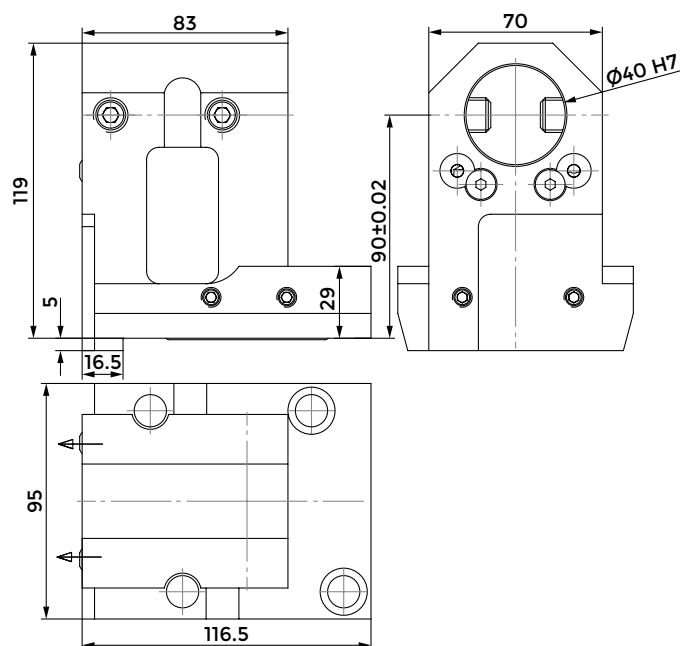
CUT-OFF HOLDER



COD.	A	A1	L1	B1	H	H1	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR BASE
128-11535	32	25	6	63	108	65.5				
							833-001490	823-101058	823-101061	823-101084

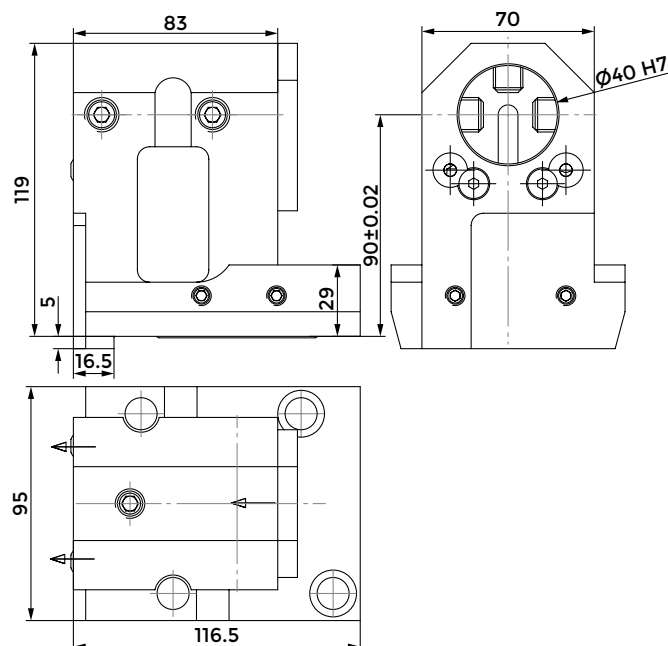
COD.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
128-11535						
	832-014449	811-108037	832-014450	824-300012	811-101028	811-104013

TOOLHOLDER FOR BORING BAR



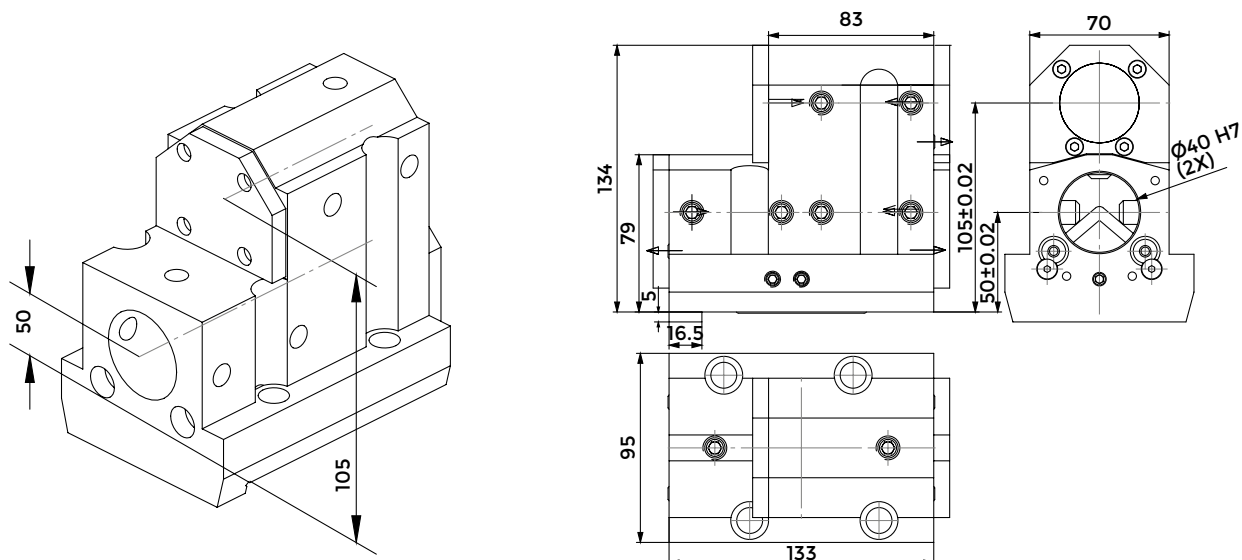
COD.	CLAMPING SCREW	COOLANT BALL	SCREW FOR BALL	O RING
				
128-21515	811-102088	833-001470	811-108018	823-101084

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



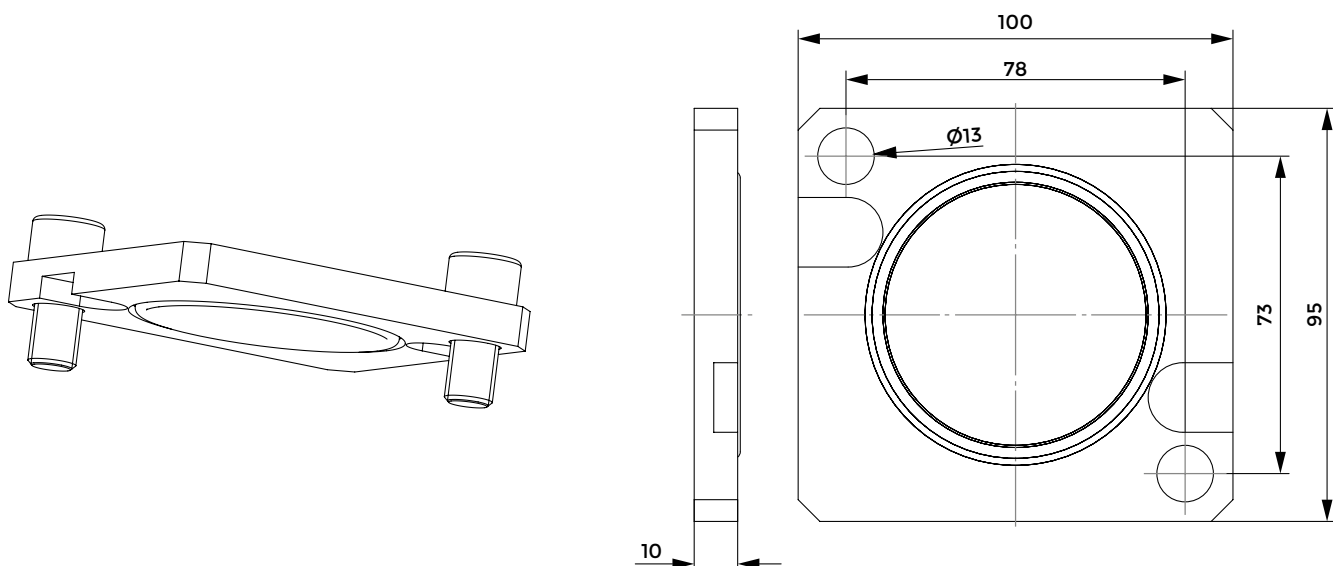
COD.	CLAMPING SCREW 1 (M14X25)	CLAMPING SCREW 2 (M12X20)	COOLANT BALL	SCREW FOR BALL	O RING	COVER	SCREW FOR COVER
							
128-21516	811-102088	811-102044	833-001470	811-108018	823-101084	832-003297	811-101016

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	CLAMPING SCREW 1 (M12X25)	CLAMPING SCREW 2 (M12X12)	COOLANT BALL	SCREW FOR BALL	O RING	COVER 1	COVER 2	SCREW FOR COVER
128-21520	811-102045	811-102064	833-001410	811-108024	823-101084	832-003306	832-003307	811-101016

PROTECTION COVER

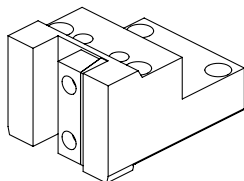


COD.	O RING
137-00247	823-101084

OKUMA (BMT60) - LB4000 EX (M, MY)

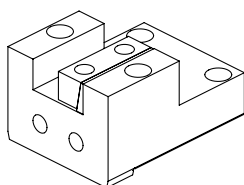
**FACE AND
O.D. CUTTING
HOLDER**

128-41508
25x25 mm

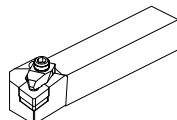


**FACE AND
O.D. CUTTING
HOLDER**

128-31504
25x25 mm



QUALIFIED TOOL



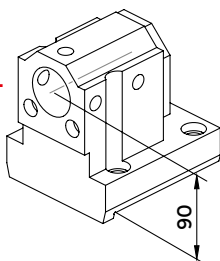
FAST-IN p. 490
DRIVEN TOOLS p. 298



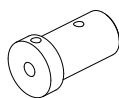
ACCESSORIES

**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR
AND INSERT
DRILL**

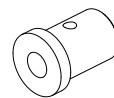
128-21518 (D40)
128-21527 (D50)



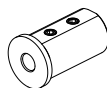
BORING BAR SLEEVE D40
p. 707



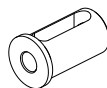
8971 (Ø10 mm)
8972 (Ø12 mm)
8973 (Ø16 mm)
8974 (Ø20 mm)



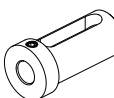
BOK64205 (Ø20 mm)
8953 (Ø32 mm)



9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)



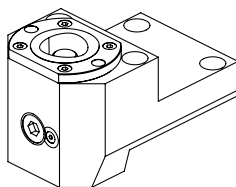
9619 (Ø16 mm)
9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)



8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

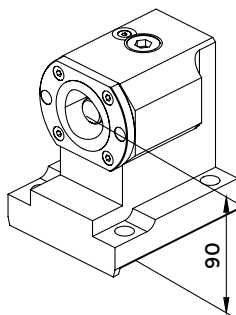
**POLYGONAL
TOOL HOLDER**

128-11562 (C50)



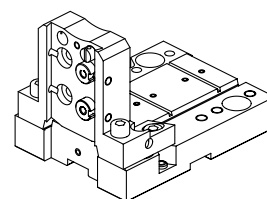
**POLYGONAL
TOOL HOLDER**

128-11560 (C50)

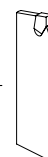


CUT-OFF HOLDER

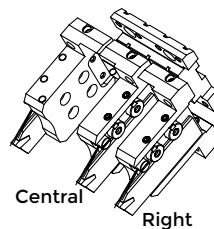
CUT-OFF TOOL



128-11536 (32 mm)



Left



Central

Right

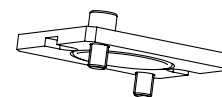
CONTROL PIN

p. 740



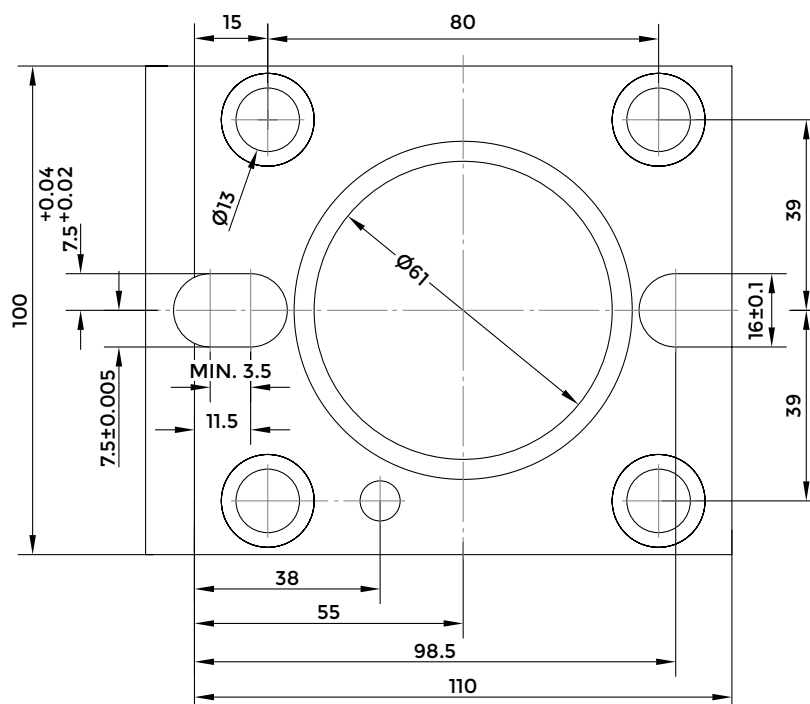
137-00196

**PROTECTION
COVER**

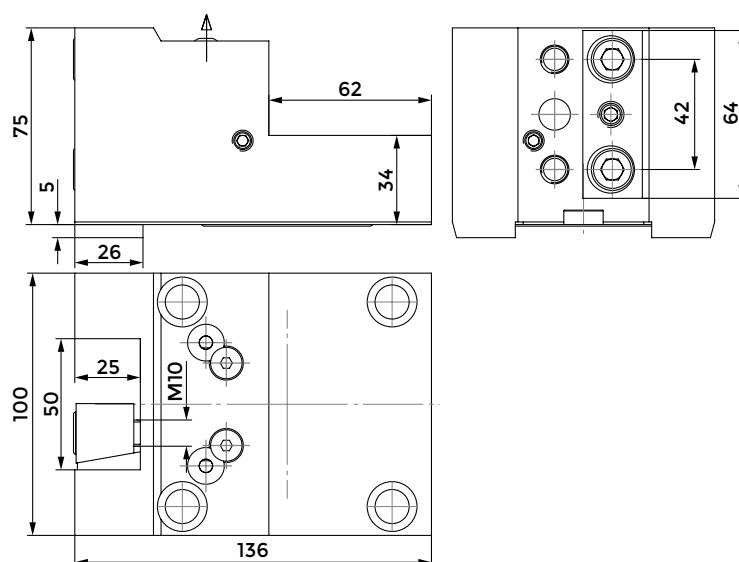


137-00248

CONNECTION

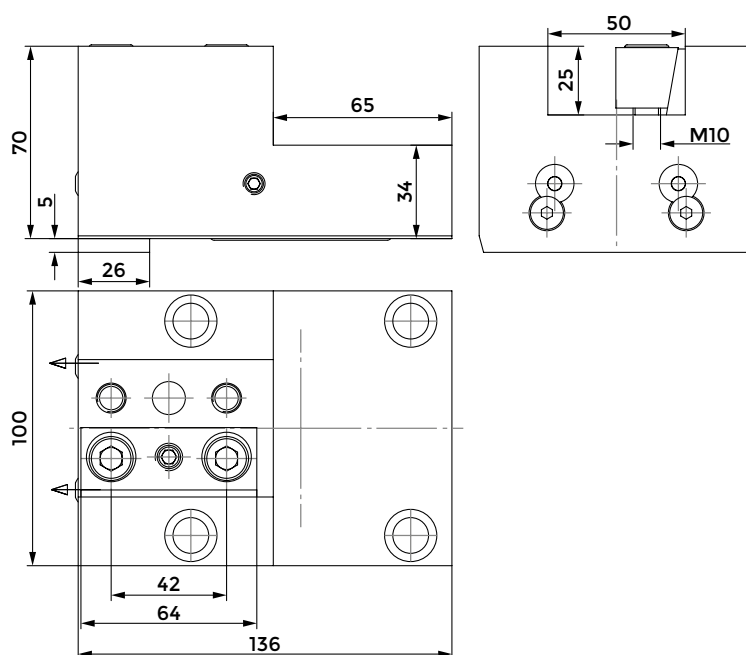


RADIAL TOOLHOLDER



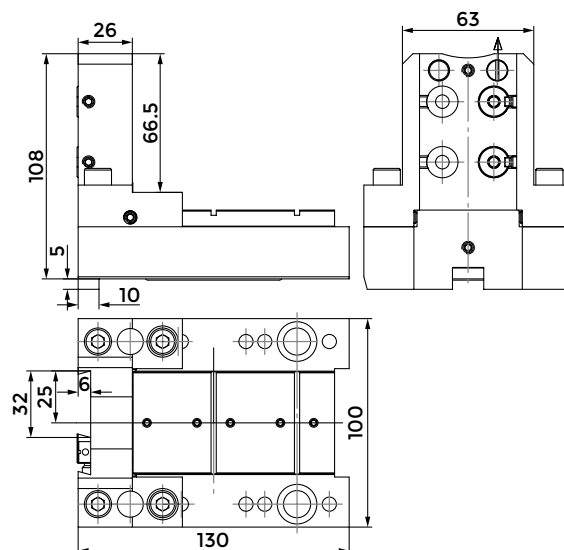
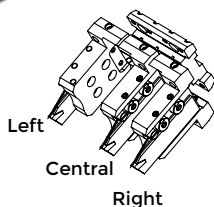
COD.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
128-41508				
128-41508	832-007360	833-001470	811-108018	823-101084

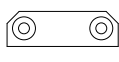
AXIAL TOOLHOLDER

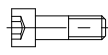


COD.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL	O RING
				
128-31504	832-007360	833-001470	811-108018	823-101084

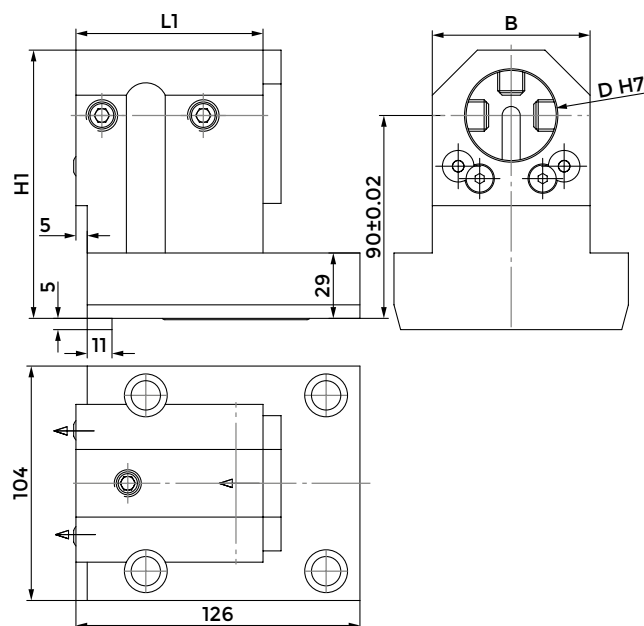
CUT-OFF HOLDER



COD.	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR BASE	SHIM PLATE
					
128-11536	833-001490	823-101058	823-101061	823-101084	832-014449

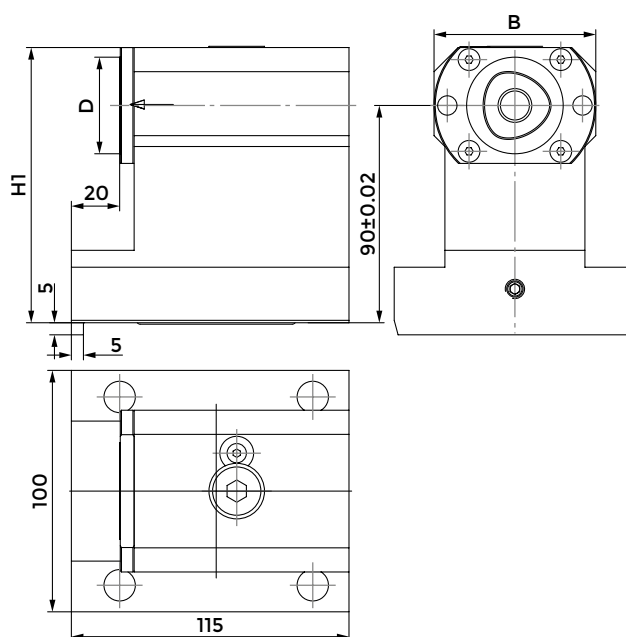
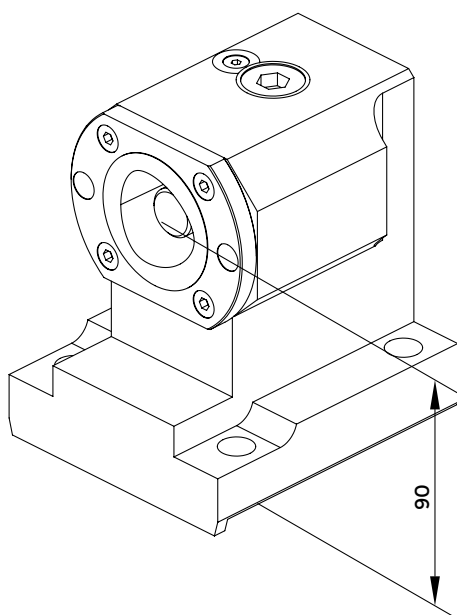
COD.	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
					
128-11536	811-108037	832-014450	824-300012	811-101028	811-104013

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



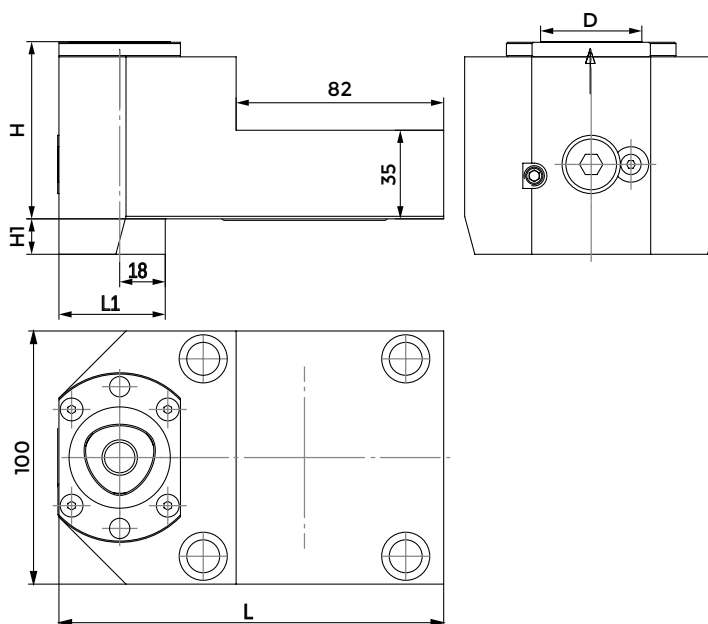
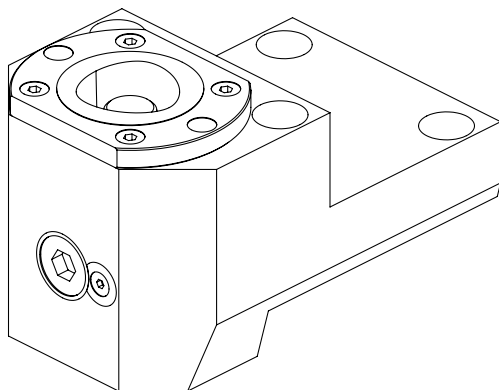
COD.	D	B	H1	L1	CLAMPING SCREW 1 (M14X25)	CLAMPING SCREW 2 (M12X20)	COOLANT BALL	SCREW FOR BALL	O RING	COVER	SCREW FOR COVER
128-21518	40	70	119	83	811-102088	811-102044	833-001470	811-108018	823-101084	832-003297	811-101016
128-21527	50	80	124	93	811-102088	811-102044	833-001470	811-108018	823-101084	832-003314	811-101016

POLYGONAL TOOLHOLDER



COD.	POLYGONAL	D	H1	B	CLAMPING UNIT	O RING
128-11560	C50	50	122	82	CXC50-10	823-101084

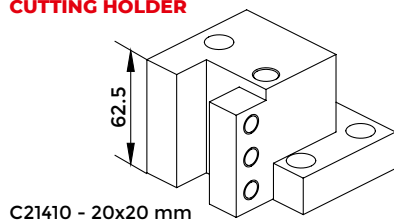
POLYGONAL TOOLHOLDER



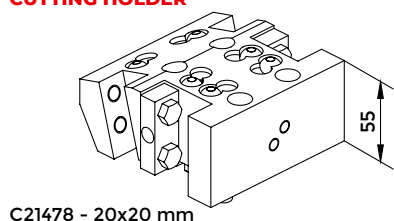
COD.	POLYGONAL	D	H	H1	L	L1	CLAMPING UNIT	O RING
128-11562	C50	50	75	20	160	50	CXC50-10	823-101084

NAKAMURA TOME (BMT44) - NTY3 - SUPER NTMX/NTMXL - WT100 - MURATA MURATEC MT100
WY-100II - NTJ100

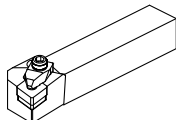
**FACE AND O.D.
CUTTING HOLDER**



**FACE AND O.D.
CUTTING HOLDER**



QUALIFIED TOOL

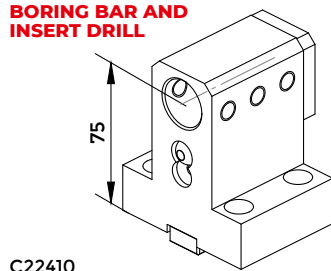


FAST-IN p. 490
DRIVEN TOOLS p. 298

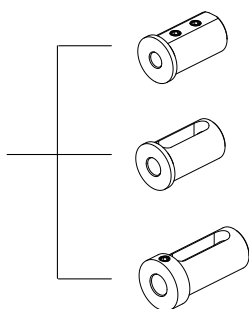


ACCESSORIES

**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**



BORING BAR SLEEVE
p. 707

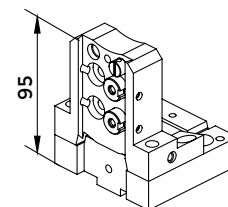


9600 (Ø8 mm)
9601 (Ø10 mm)
9602 (Ø12 mm)

9604 (Ø16 mm)

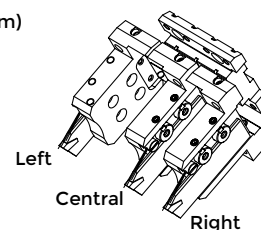
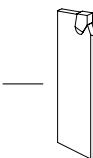
8759 (Ø12 mm)
8761 (Ø16 mm)
8763 (Ø20 mm)

CUT-OFF HOLDER

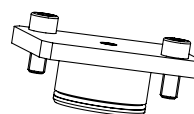


121-22074 (26 mm)

CUT-OFF TOOL

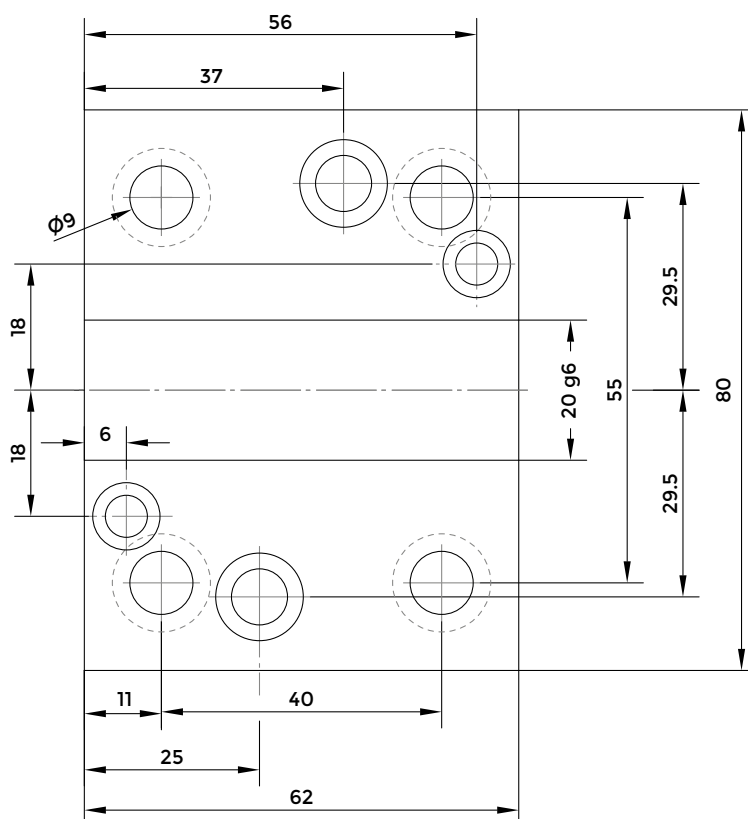


**PROTECTION
COVER**

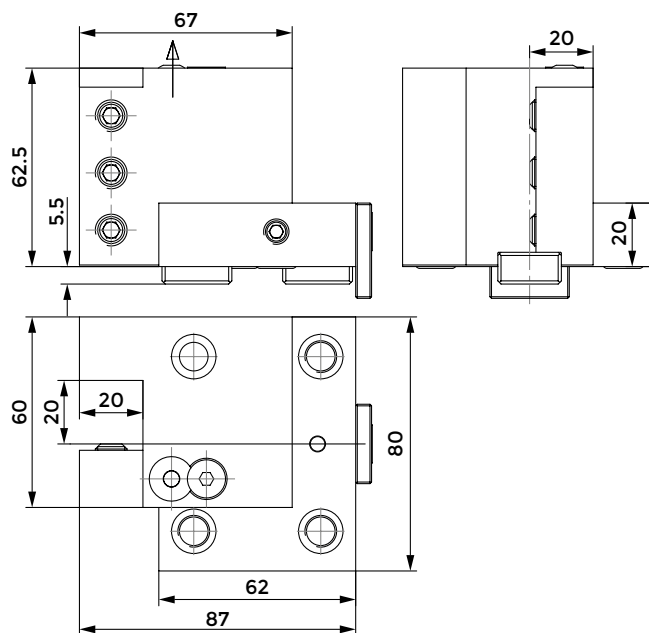


137-00251

CONNECTION

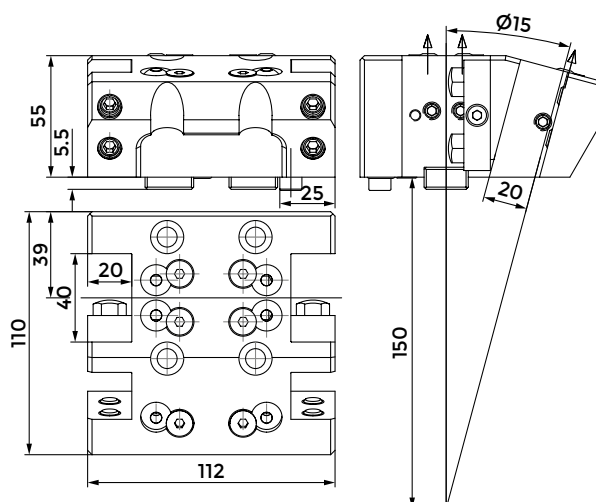


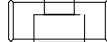
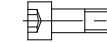
RADIAL TOOLHOLDER



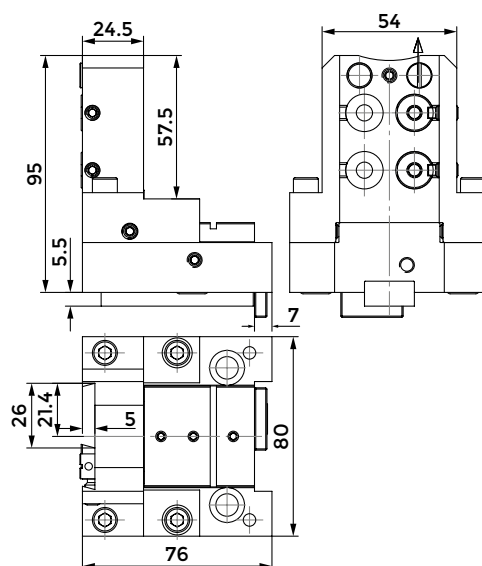
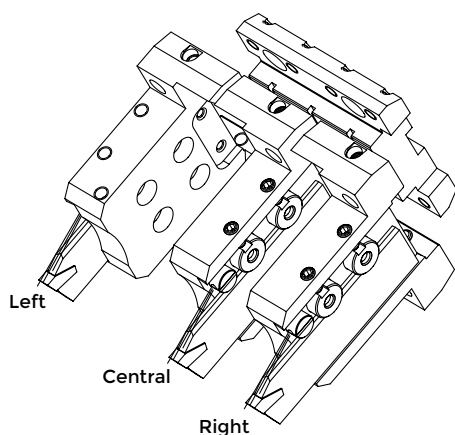
COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	STOP PLATE	SCREW FOR PLATE	O RING FOR COOLANT INTAKE
C21410	811-102038	814-203270	811-101027	833-001470	811-108018	832-003232	811-108029	823-101083

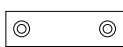
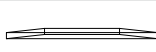
RADIAL TOOLHOLDER



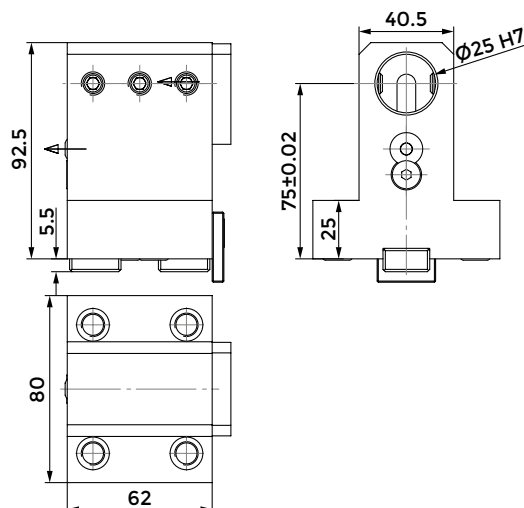
COD.	CLAMPING SCREW 1	CLAMPING SCREW 2	CLAMPING PLATE	SCREW FOR PLATE	KEY	SCREW FOR KEY
						
C21478	811-102037	811-301108	832-002184	811-101019	814-203270	811-101027
COD.	STOP SCREW	COOLANT BALL	SCREW FOR BALL	O RING FOR COOLANT INTAKE 1 (d7 59X2.62)	O RING FOR COOLANT INTAKE 2 (d6X2)	
						
C21478	811-101026	833-001470	811-108018	823-101083	823-101082	

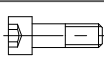
CUT-OFF HOLDER



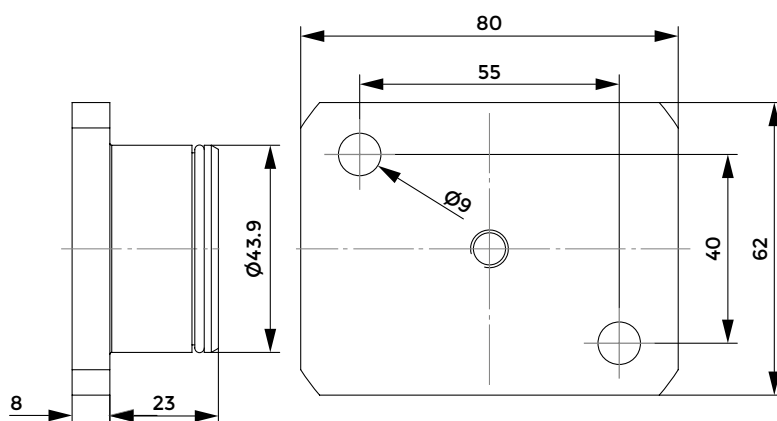
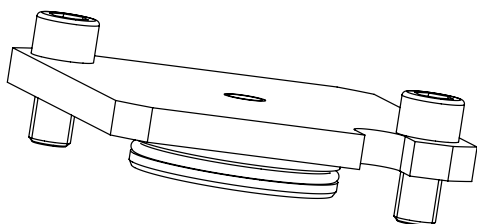
COD.	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	SHIM PLATE	SCREW FOR PLATE
121-22074							
	814-203380	811-101011	833-001490	823-101058	823-101061	832-014448	811-108037
COD.	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW	STOP PLATE	SCREW FOR PLATE	O RING FOR COOLANT INTAKE
121-22074							
	832-014447	824-300012	811-101028	811-104013	832-003232	811-108029	823-101083

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
C22410	811-102035	814-203270	811-101027	833-001470	811-108018
COD.	COVER	SCREW FOR COVER	STOP PLATE	SCREW FOR PLATE	O RING FOR COOLANT INTAKE
					
C22410	832-003291	811-101016	832-003232	811-108029	823-101083

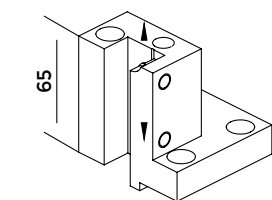
PROTECTION COVER



COD.	O RING
	
137-00251	823-101066

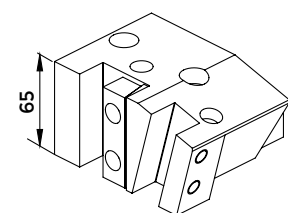
NAKAMURA TOME (BMT55) - AS-200 - NTM3 - NTY3-250 - SC-150M - SC-200MY - SC-250M - SUPRNTJ
TMC-20 II M/ML - TW-10 - TW-20 - WT-20 II M/MY - WT150/200 - WT-250 - WTS-150 - WTW-150/160 - WT200 II (M,MY) WY-250
CMZ - TX52/66 - SUPER NTJ - NTM3 - SC150/250 - TX52 Y3-Y2 QUATTRO-Y2 TW IN - TX66 Y3-Y2 QUATTRO-Y2 TW IN
TTL 52 - TTL 66 - TA15-20-25-30M/Y/MS/MY/YS 15ST

FACE AND O.D. CUTTING HOLDER



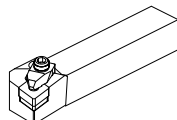
W1431 - 20x20 mm

FACE AND O.D. CUTTING HOLDER

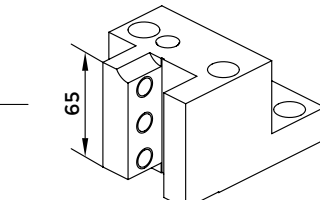


R1452 - 20x20 mm

QUALIFIED TOOL

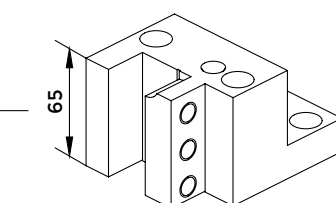


FACE AND O.D. CUTTING HOLDER



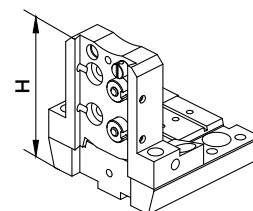
Z2414 - 25x25 mm

FACE AND O.D. CUTTING HOLDER



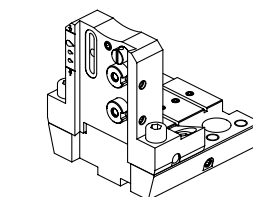
Z2413 - 25x25 mm

CUT-OFF HOLDER

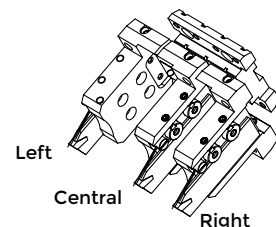


121-22076 (h=32 mm - H=100 mm)

CUT-OFF TOOL

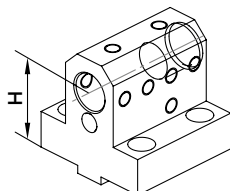


121-22076-IC (INTERNAL COOLANT)



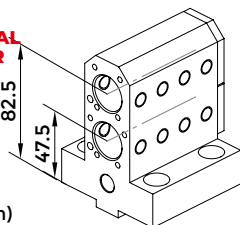
ACCESSORIES

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



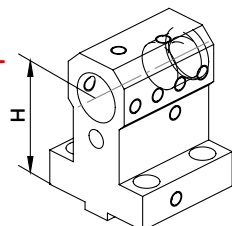
W1417 D25 - H=55 mm (Ø25 mm)
W4437 D25 - H=75 mm (Ø25 mm)

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



R8418 (Ø25 mm)

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



W1417 D32 - H=55 mm (Ø32 mm)
Z2417 D32 - H=70 mm (Ø32 mm)
Z7417 D32 - H=80 mm (Ø32 mm)

BORING BAR SLEEVE
p. 707

D25

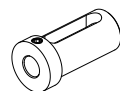
D32



9600 (Ø8 mm) 9607 (Ø8 mm)
9601 (Ø10 mm) 9608 (Ø10 mm)
9602 (Ø12 mm) 9609 (Ø12 mm)



9604 (Ø16 mm) 9611 (Ø16 mm)
9613 (Ø20 mm) 9614 (Ø25 mm)



8759 (Ø12 mm) 8764 (Ø16 mm)
8761 (Ø16 mm) 8766 (Ø20 mm)
8763 (Ø20 mm) 8767 (Ø25 mm)



5968 (Ø6 mm)
5969 (Ø8 mm)
5970 (Ø10 mm)
5971 (Ø12 mm)

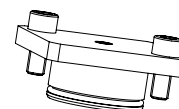


5995 (Ø16 mm)

FAST-IN p. 490
DRIVEN TOOLS p. 298



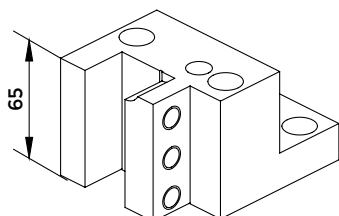
PROTECTION COVER



137-00249

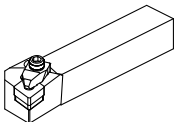
NAKAMURA TOME (BMT55) - AS-200 - NTM3 - NTY3-250 - SC-150M - SC-200MY - SC-250M - SUPRERNTJ
TMC-20 II M/ML - TW-10 - TW-20 - WT-20 II M/MY - WT150/200 - WT-250 - WTS-150 - WTW-150/160 - WT200 II (M,MY) WY-250
CMZ - TX52/66 - SUPER NTJ - NTM3 - SC150/250 - TX52 Y3-Y2 QUATTRO-Y2 TW IN - TX66 Y3-Y2 QUATTRO-Y2 TW IN
TTL 52 - TTL 66 - TA15-20-25-30M/Y/MS/MY/YS 15ST

**FACE AND O.D.
CUTTING HOLDER**

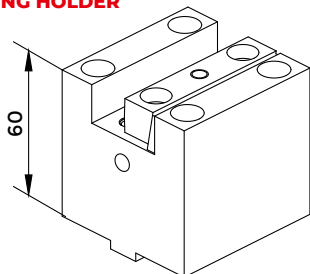


W1413 - 20x20 mm

QUALIFIED TOOL



**FACE AND O.D.
CUTTING HOLDER**

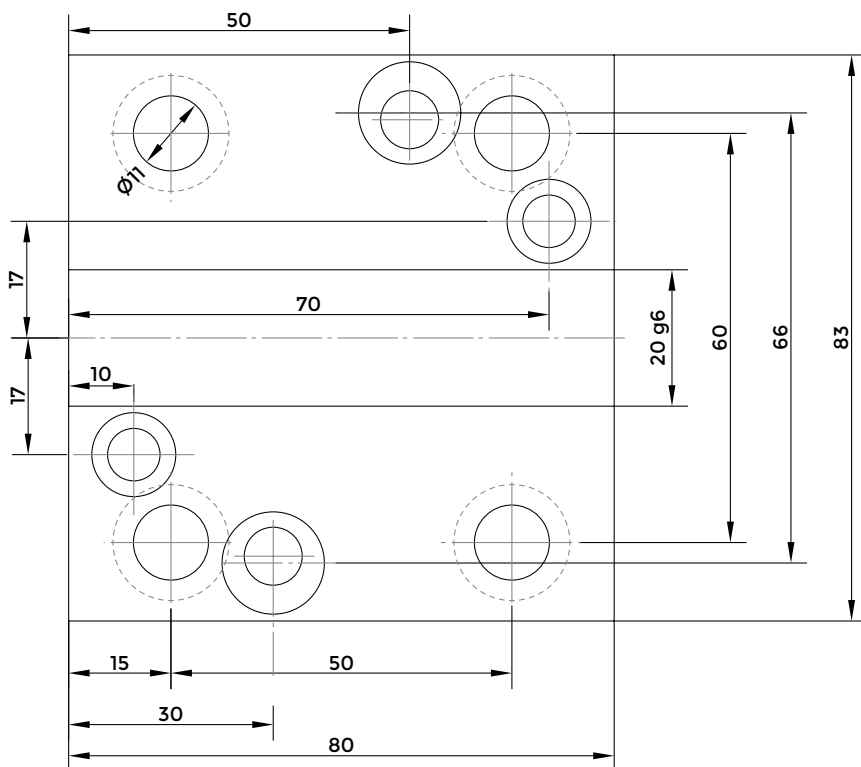


W1415 - 20x20 mm

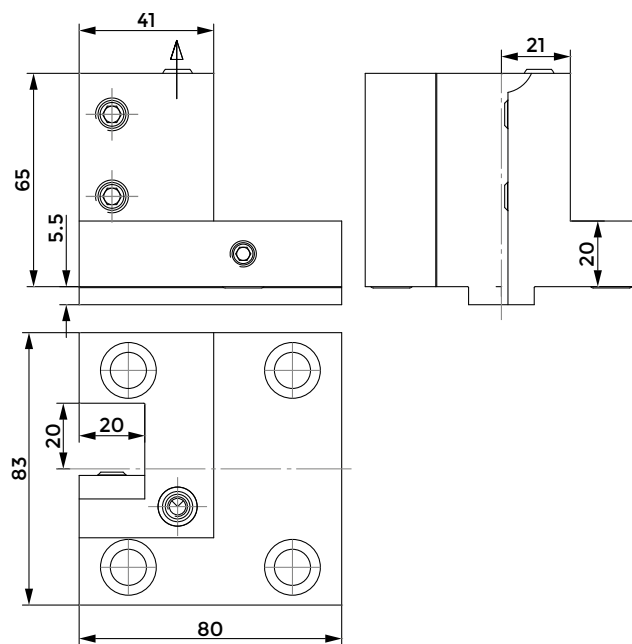
FAST-IN p. 490
DRIVEN TOOLS p. 298



CONNECTION

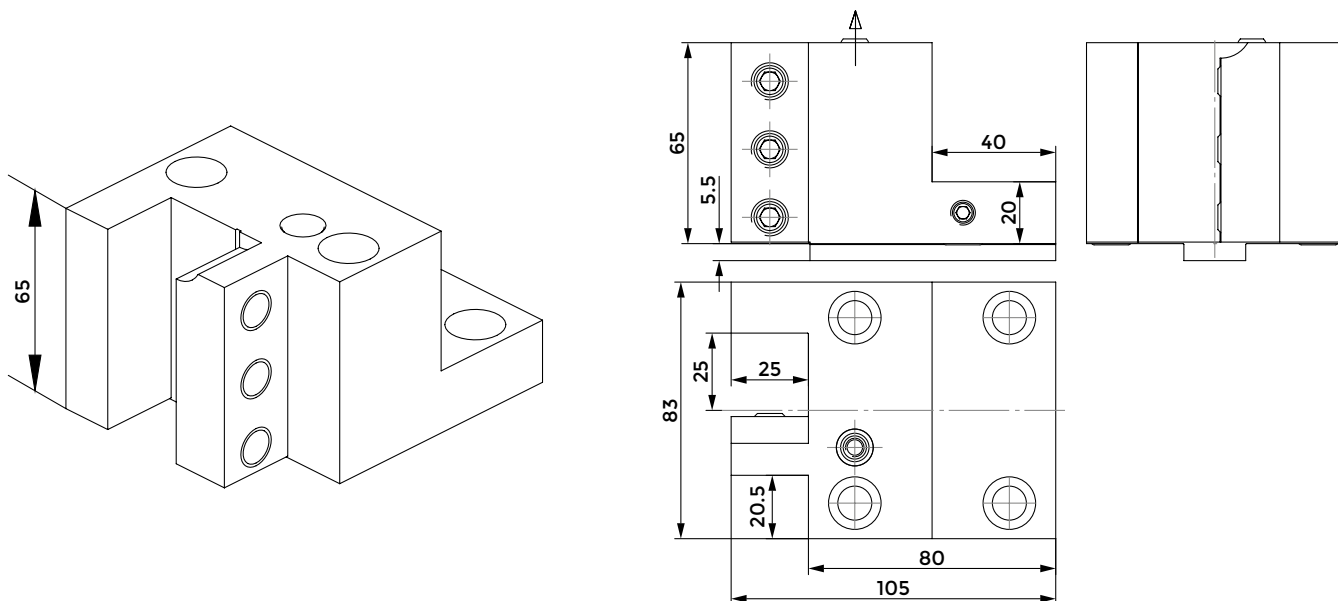


RADIAL TOOLHOLDER



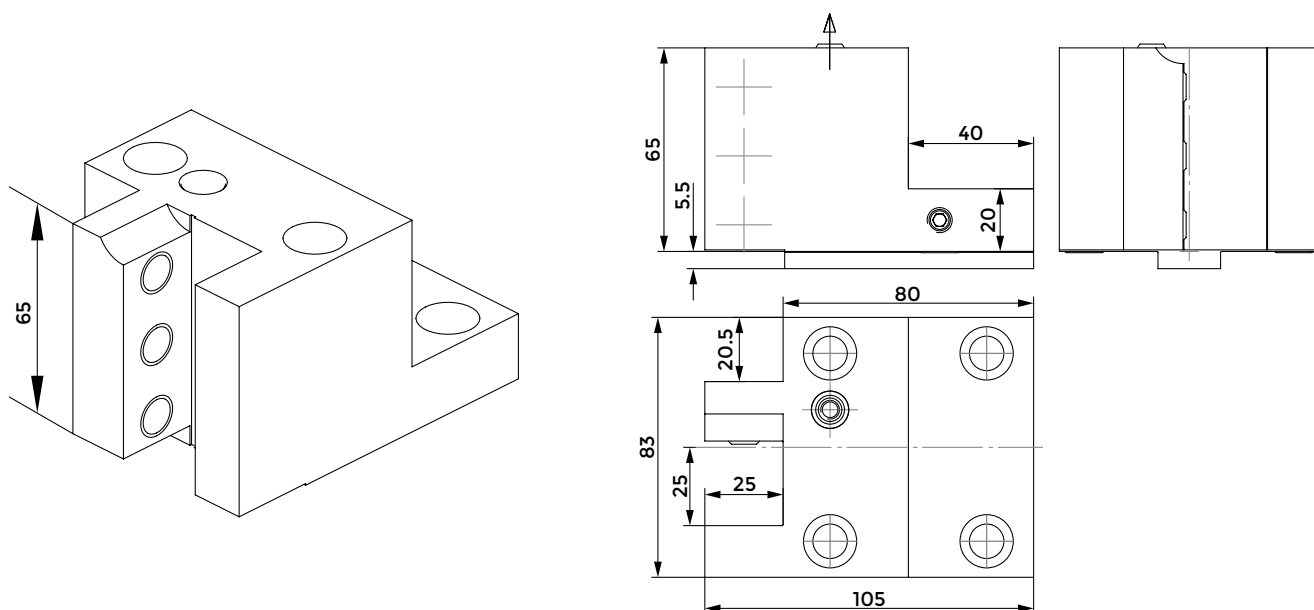
COD.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W1431	811-102038	833-001110	823-101015

RADIAL TOOLHOLDER



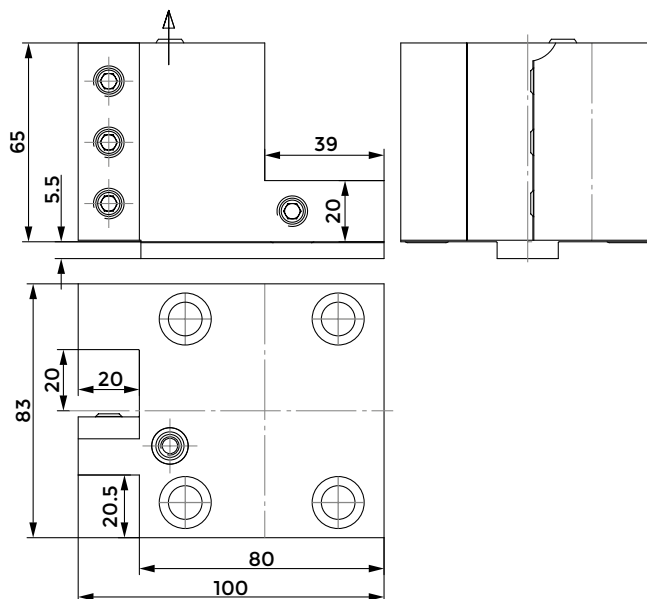
COD.	CLAMPING SCREW	COOLANT NOZZLE	O RING
Z2413	811-102044	833-001110	823-101015

RADIAL TOOLHOLDER



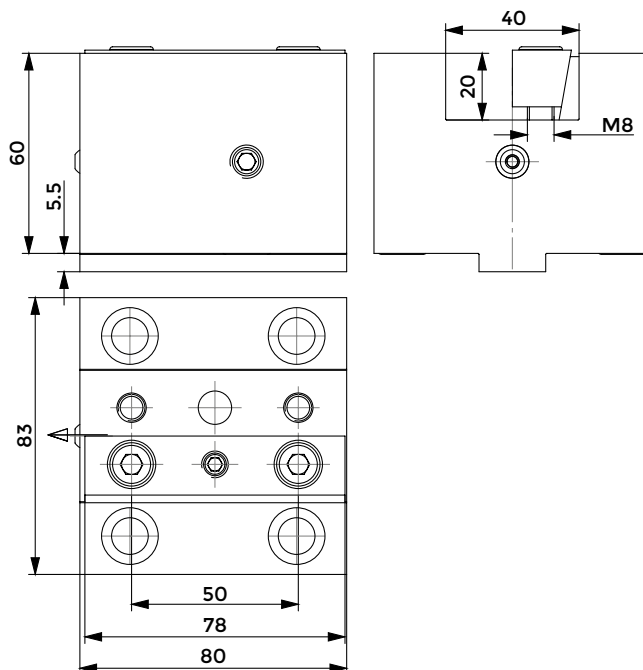
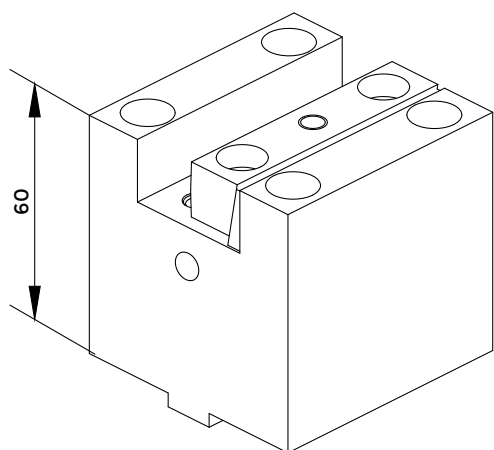
COD.	CLAMPING SCREW	COOLANT NOZZLE	O RING
Z2414	811-102044	833-001110	823-101015

RADIAL TOOLHOLDER



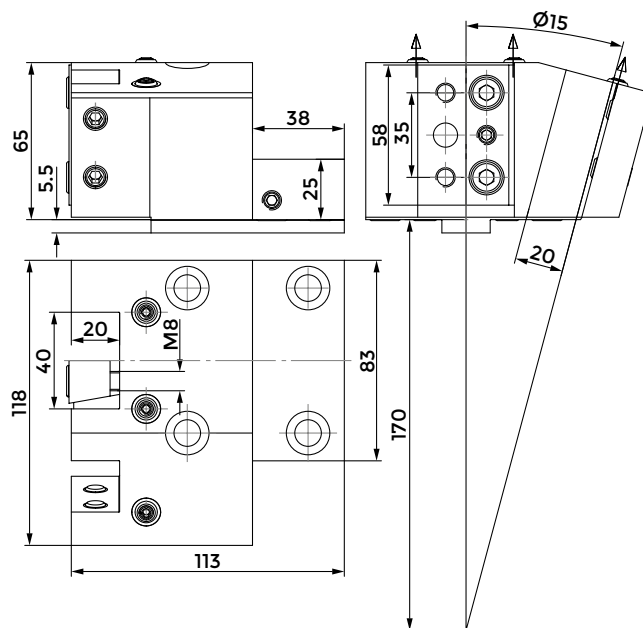
COD.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W1413	 811-102038	 833-001110	 823-101004

AXIAL TOOLHOLDER



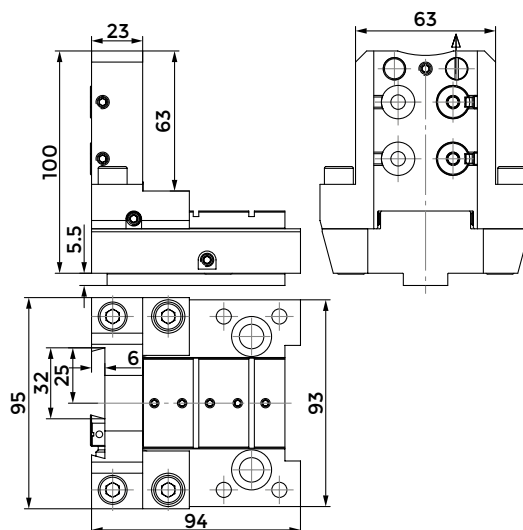
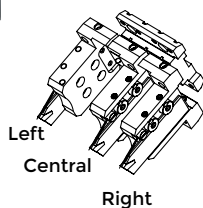
COD.	CLAMPING PLATE	COOLANT NOZZLE	O RING
W1415	 832-007200	 832-001100	 823-101004

RADIAL TOOLHOLDER

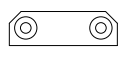
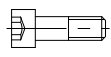


COD.	CLAMPING PLATE	CLAMPING SCREW	COOLANT NOZZLE	O RING 1 (D9X2)	O RING 2 (D6X2)
					
R1452	832-007160	811-102037	833-001110	823-101015	823-101082

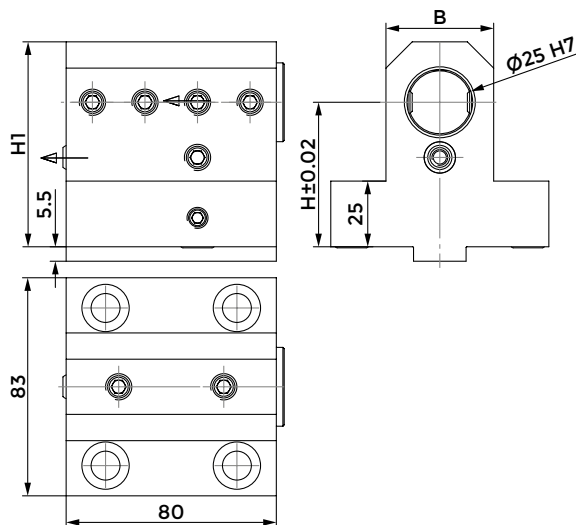
CUT-OFF HOLDER



COD.	INTERNAL COOLING	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR COOLANT INTAKE	O RING INTERNAL COOLANT
						
121-22076	NO	833-001490	823-101058	823-101061	823-101015	-
121-22076-IC	YES	833-001490	823-101058	823-101061	823-101015	823-201140

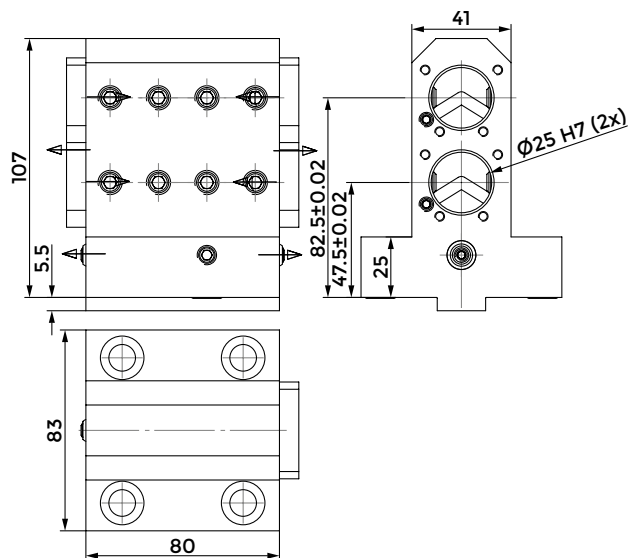
COD.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
						
121-22076	832-014448	811-108037	832-014450	824-300012	811-101028	811-104013
121-22076-IC	832-014448	811-108037	832-014450	824-300012	811-101028	811-104013

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



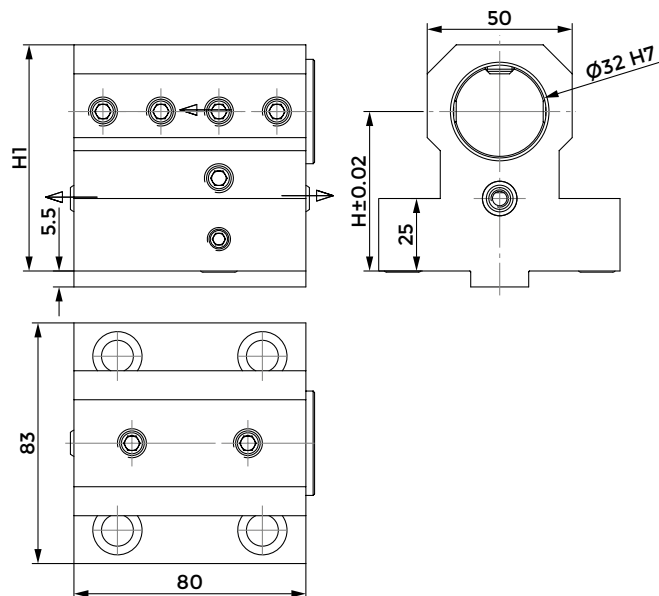
COD.	H	H1	B	CLAMPING SCREW 1 (M10X10)	CLAMPING SCREW 2 (M10X12)	COOLANT NOZZLE	SCREW PER INTERNAL COOLANT	O RING FOR COOLANT INTAKE	COVER	O RING COVER
										
W1417 D25	55	78	41	811-102035	-	833-001110	811-102038	823-101015	823-301150	823-201140
W4437 D25	75	98	41	811-102035	-	833-001110	811-102038	823-101015	823-301150	823-201140

DOUBLE TOOLHOLDER FOR BORING BAR



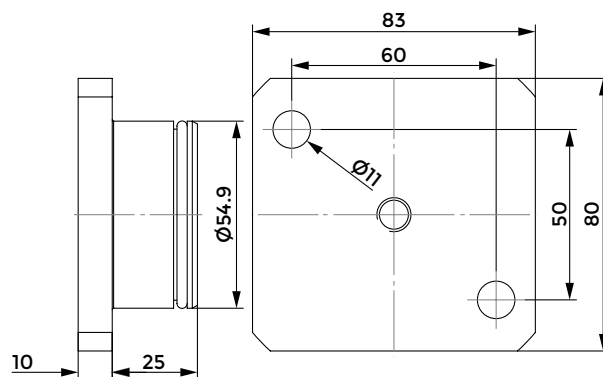
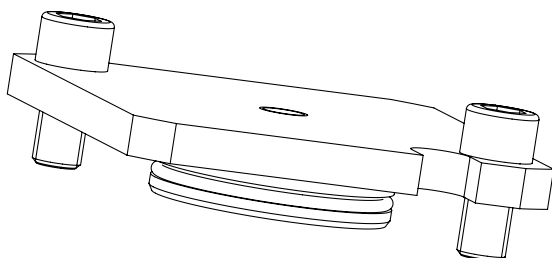
COD.	CLAMPING SCREW	COOLANT NOZZLE	O RING FOR COOLANT INTAKE	COVER	SCREW FOR COVER
					
R8418	811-102035	833-001110	823-101015	832-003295	811-101010

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	H	H1	CLAMPING SCREW	COOLANT NOZZLE	SCREW FOR INTERNAL COOLANT	O RING FOR COOLANT INTAKE	PLUG	O RING FOR PLUG	STOP PLATE	SCREW FOR PLATE
W1417 D32	55	78	811-102035	833-001110	811-102038	823-101015	823-301140	823-201080	-	-
Z2417 D32	70	96.5	811-102035	833-001110	811-102038	823-101015	823-301140	823-201080	-	-
Z7417 D32	80	106.5	811-102035	833-001110	811-102038	823-101015	823-301140	823-201080	832-003349	811-108029

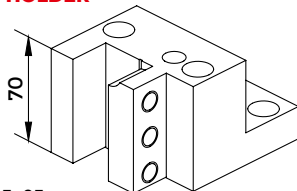
PROTECTION COVER



COD.	O RING
137-00249	823-101064

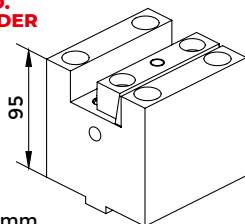
NAKAMURA TOME (BMT65) - WT3000 / SC300 / TW20 / TMC-200M/MY/MM/MMY/MMYY (12 stations)
TW30M/MY/MM/MMY/MMYY (16 stations)

**FACE AND O.D.
CUTTING HOLDER**



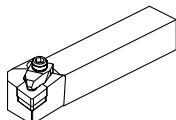
W2413 - 25x25 mm

**FACE AND O.D.
CUTTING HOLDER**



W2415 - 25X25 mm

QUALIFIED TOOL

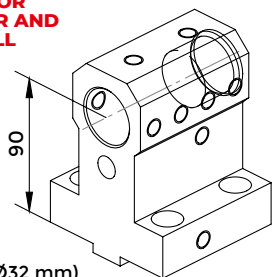


FAST-IN p. 490
DRIVEN TOOLS p. 298



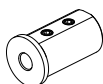
ACCESSORIES

**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

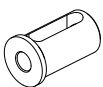


W2417 D32 (Ø32 mm)

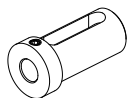
BORING BAR SLEEVE D25
p. 707



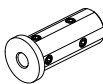
9600 (Ø8 mm)
9601 (Ø10 mm)
9602 (Ø12 mm)



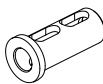
9604 (Ø16 mm)



8759 (Ø12 mm)
8761 (Ø16 mm)
8763 (Ø20 mm)



5968 (Ø6 mm)
5969 (Ø8 mm)
5970 (Ø10 mm)
5971 (Ø12 mm)



5995 (Ø16 mm)

D32

9607 (Ø8 mm)
9608 (Ø10 mm)
9609 (Ø12 mm)

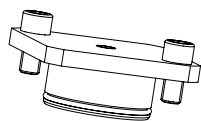
9611 (Ø16 mm)
9613 (Ø20 mm)
9614 (Ø25 mm)

8764 (Ø16 mm)
8766 (Ø20 mm)
8767 (Ø25 mm)

5316 (Ø8 mm)
5317 (Ø10 mm)
5318 (Ø12 mm)
5319 (Ø16 mm)
5320 (Ø20 mm)

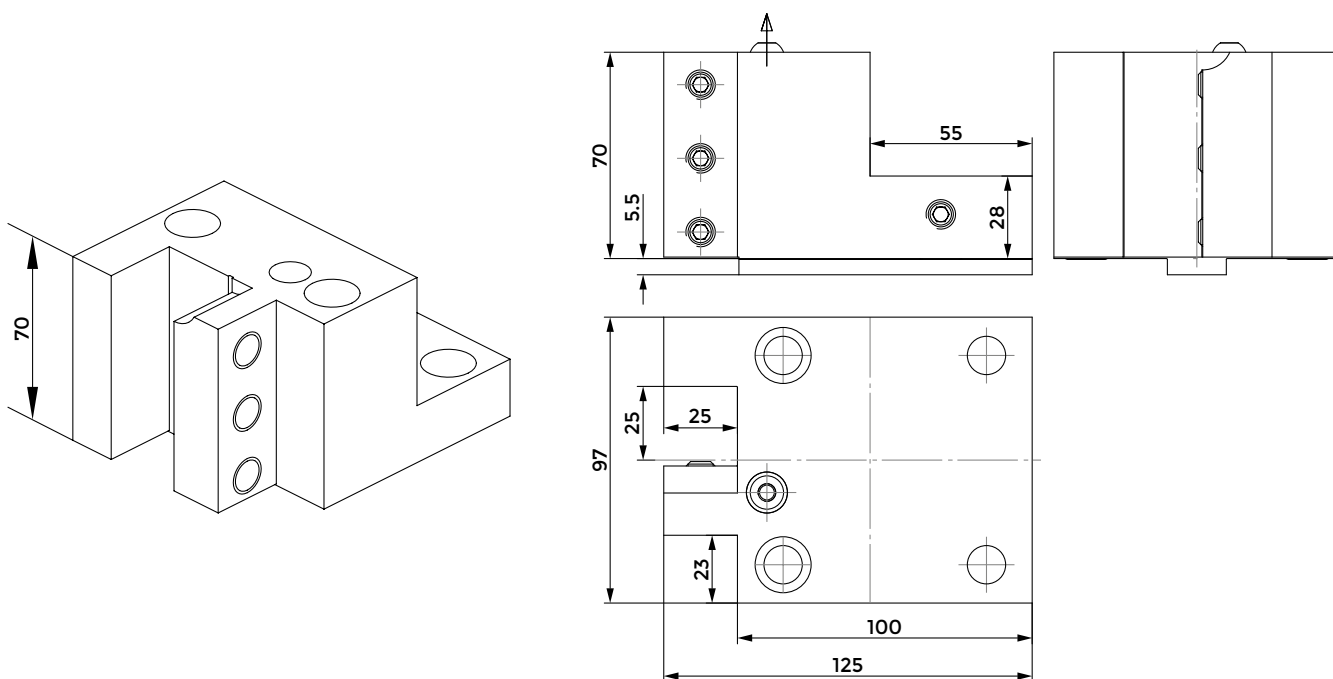
5333 (Ø25 mm)

**PROTECTION
COVER**



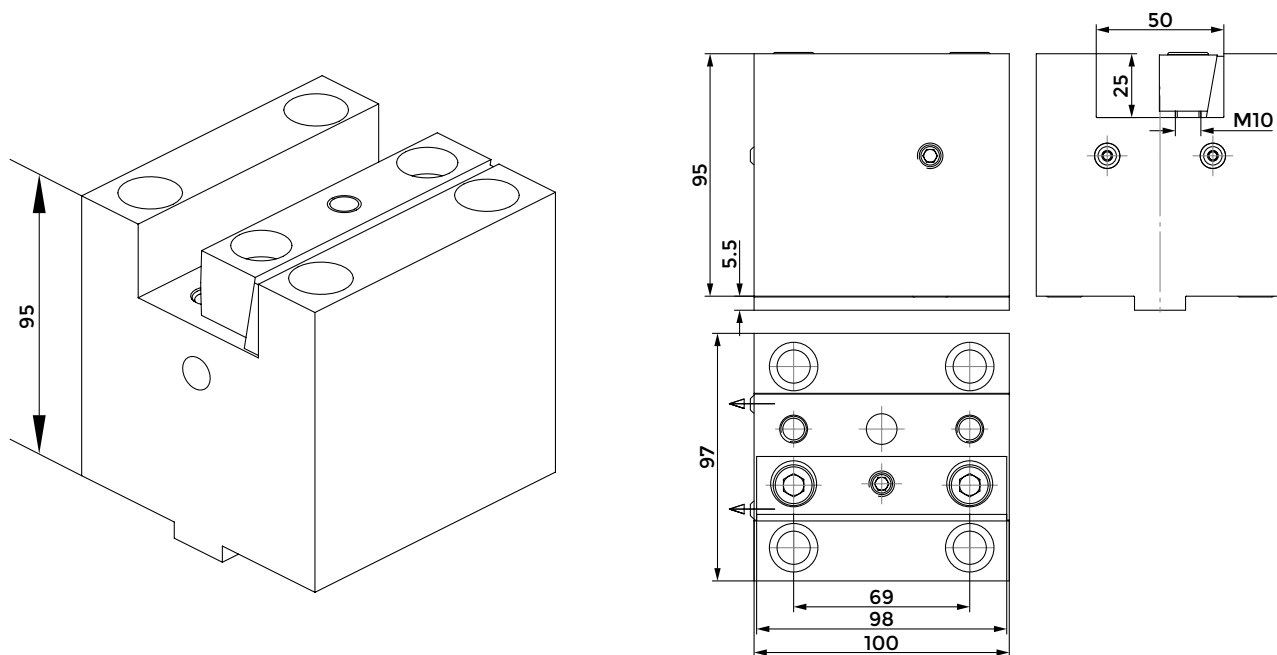
137-00250

RADIAL TOOLHOLDER



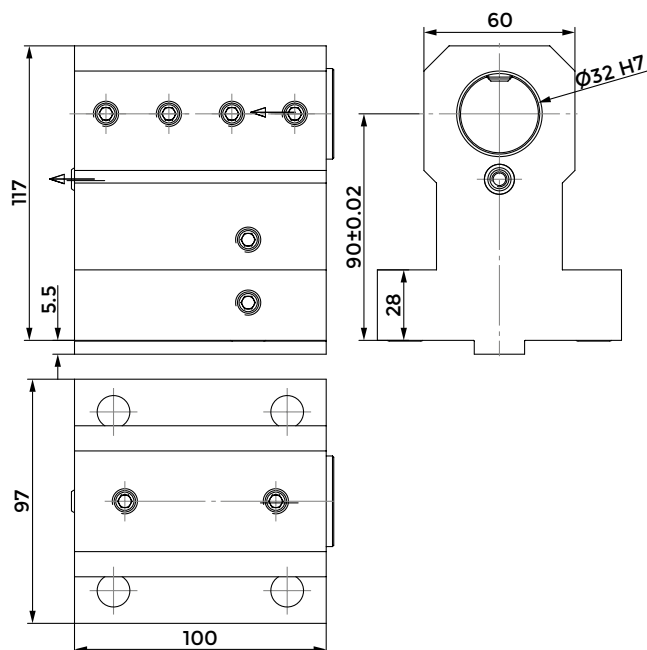
COD.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W2413	 811-102039	 833-001120	 823-101004

AXIAL TOOLHOLDER



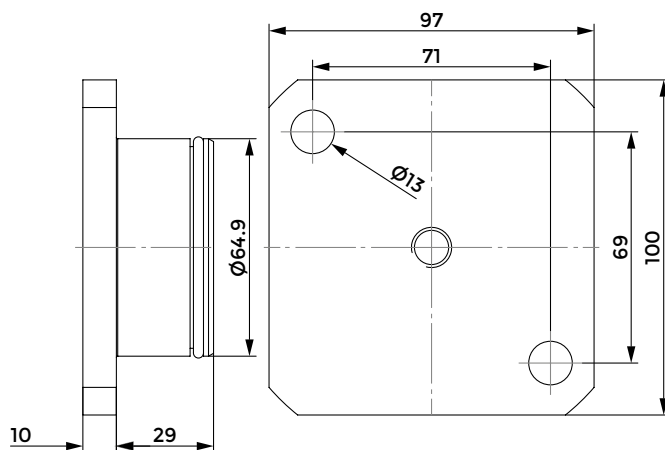
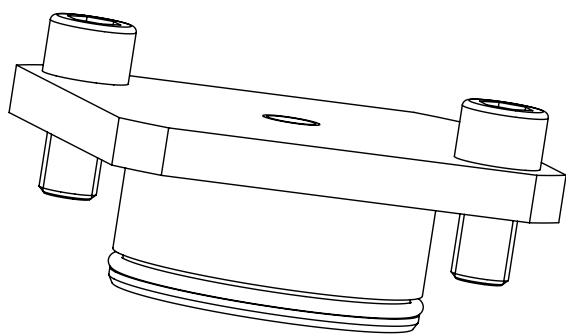
COD.	CLAMPING SCREW	COOLANT NOZZLE	O RING
W2415	 832-007220	 833-001100	 823-101004

**COMBI TOOLHOLDER WITH INTERNAL COOLANT
FOR BORING BAR AND INSERT DRILL**



COD.	CLAMPING SCREW	COOLANT NOZZLE	SCREW INTERNAL COOLANT	O RING FOR COOLANT INTAKE	PLUG	O RING FOR PLUG
						
W2417 D32	811-102060	833-001110	811-102038	823-101004	823-301140	823-201080

PROTECTION COVER

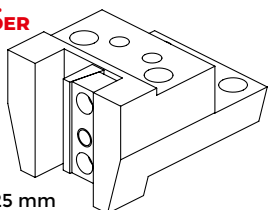


COD.	O RING
	
137-00250	823-101084

DOOSAN PUMA - 230M/MS - 240M/MS

**FACE AND O.D.
CUTTING HOLDER**

128-41501 - 25x25 mm

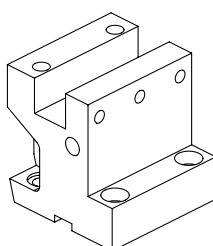


QUALIFIED TOOL



**FACE AND O.D.
CUTTING HOLDER**

128-31501 - 25x25 mm



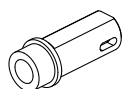
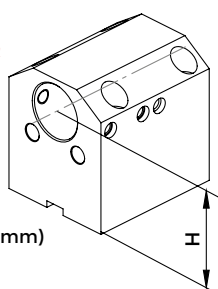
ACCESSORIES

BORING BAR SLEEVE

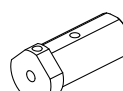
p. 707

**TOOLHOLDER
FOR BORING BAR**

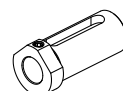
128-21501
(H=70 mm) - (Ø40 mm)



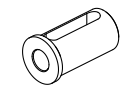
8958 <MT1>
8959 <MT2>
8960 <MT3>



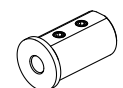
8916 (Ø10 mm)
8917 (Ø12 mm)
8918 (Ø16 mm)



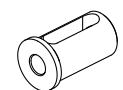
8919 (Ø20 mm)
8920 (Ø25 mm)
8921 (Ø32 mm)



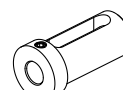
8897 (Ø20 mm)
8898 (Ø25 mm)



9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)



9619 (Ø16 mm)
9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)

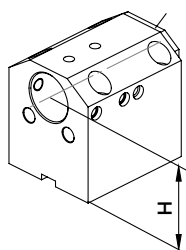


8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

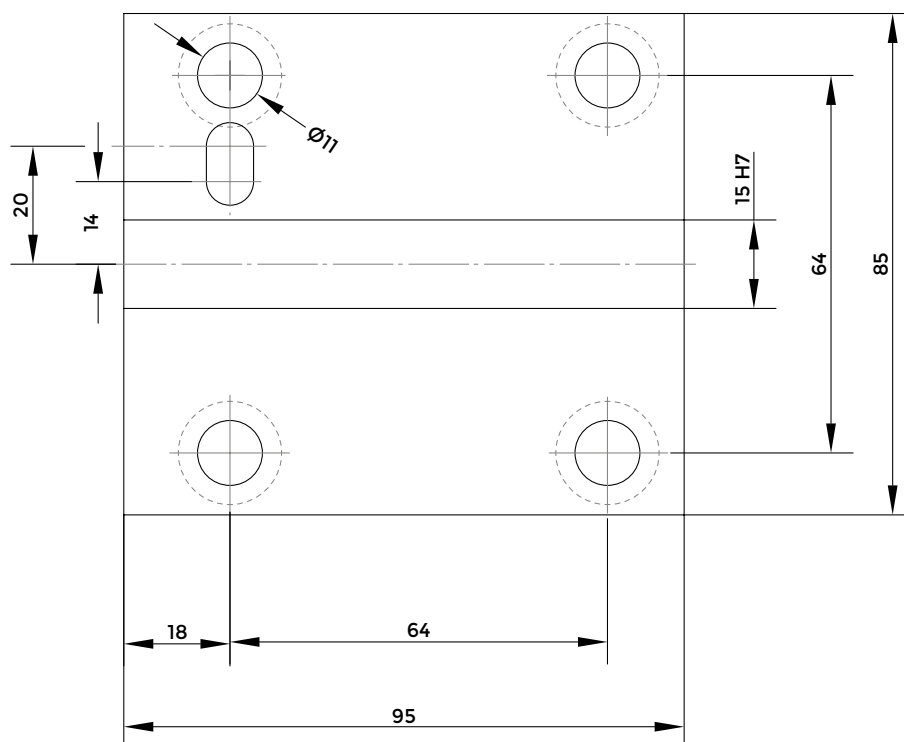
**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR
AND INSERT
DRILL**

COVER: 832-003216

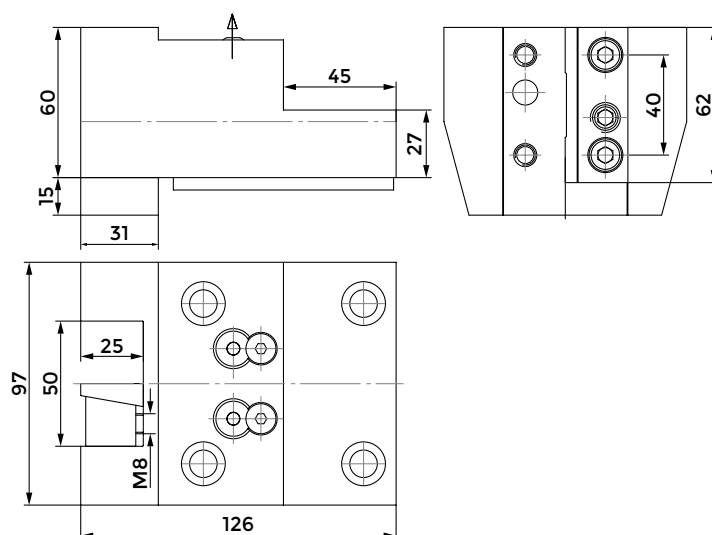
128-21502 (H=70 mm) - (Ø40 mm)
128-21522 (H=60 mm) - (Ø40 mm)



CONNECTION

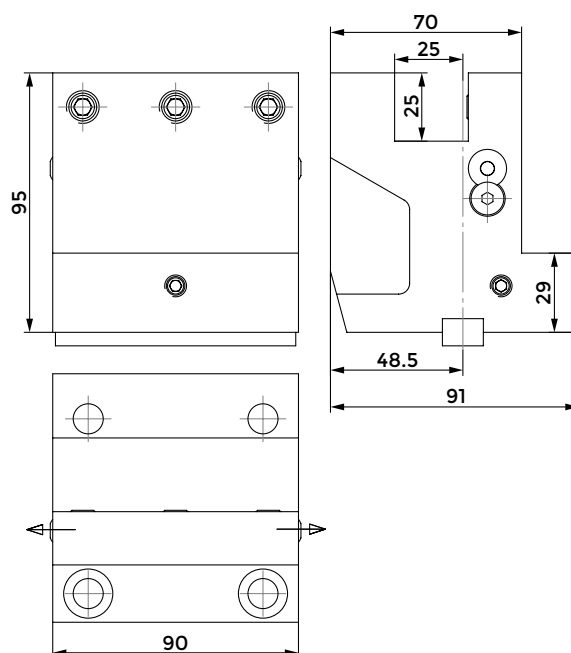


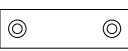
RADIAL TOOLHOLDER



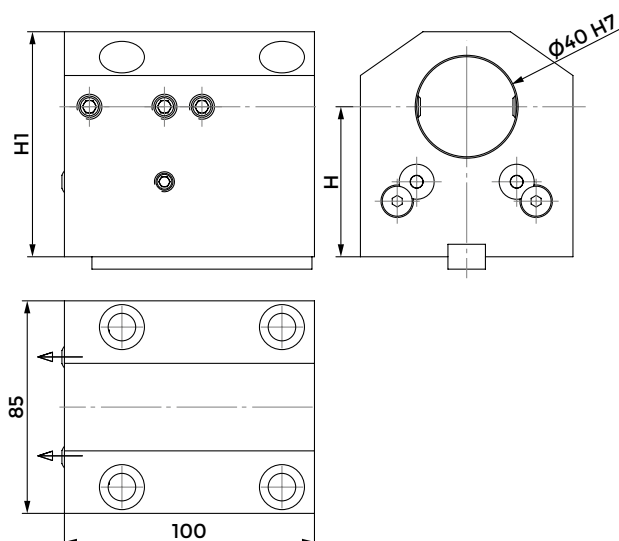
COD.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41501	832-018450	814-203230	811-101017	833-001470	811-108018

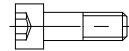
AXIAL TOOLHOLDER



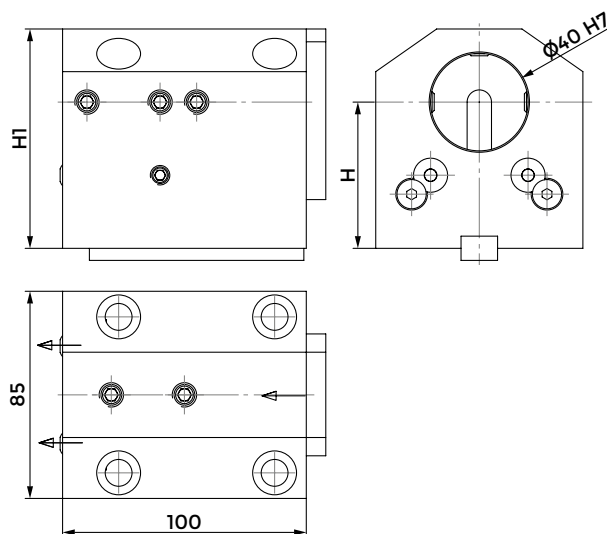
COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-31501	 811-102044	 814-203230	 811-101017	 833-001470	 811-108018

TOOLHOLDER FOR BORING BAR



COD.	H	H1	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-21501	70	100	 811-102038	 814-203230	 811-101017	 833-001470	 811-108018

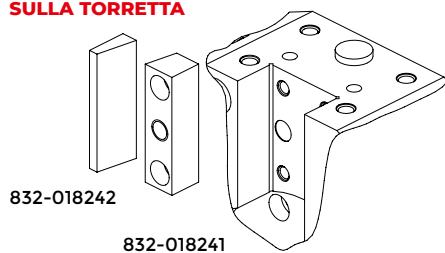
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	H	H1	CLAMPING SCREW 1 (M10X20)	CLAMPING SCREW 2 (M10X10)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
										
128-21502	70	100	811-102038	811-102035	814-203230	811-101017	833-001470	811-108018	832-003216	811-101017
128-21522	60	90	811-102038	811-102035	814-203230	811-101017	833-001470	811-108018	832-003216	811-101017

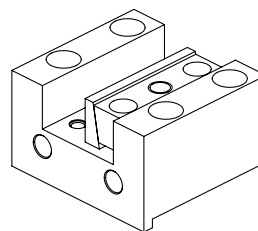
DOOSAN PUMA - 230S - 240S - LYNX210

**MONTAGGIO DIRETTO
SULLA TORRETTA**



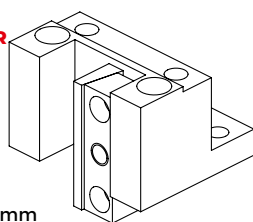
QUALIFIED TOOL

**FACE AND O.D.
CUTTING HOLDER**



128-32009 - 25x25 mm

**FACE AND O.D.
CUTTING HOLDER**



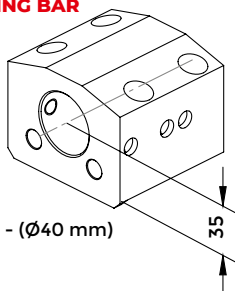
128-42012 - 25x25 mm

ACCESSORIES

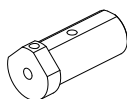
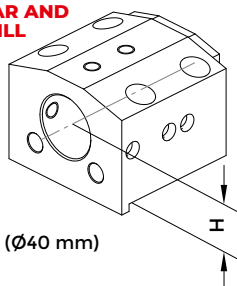
BORING BAR SLEEVE

p. 707

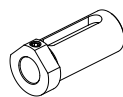
**TOOLHOLDER
FOR BORING BAR**



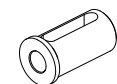
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**



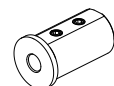
8916 (Ø10 mm)
8917 (Ø12 mm)
8918 (Ø16 mm)



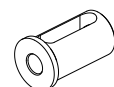
8919 (Ø20 mm)
8920 (Ø25 mm)
8921 (Ø32 mm)



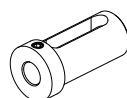
8897 (Ø20 mm)
8898 (Ø25 mm)



9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)

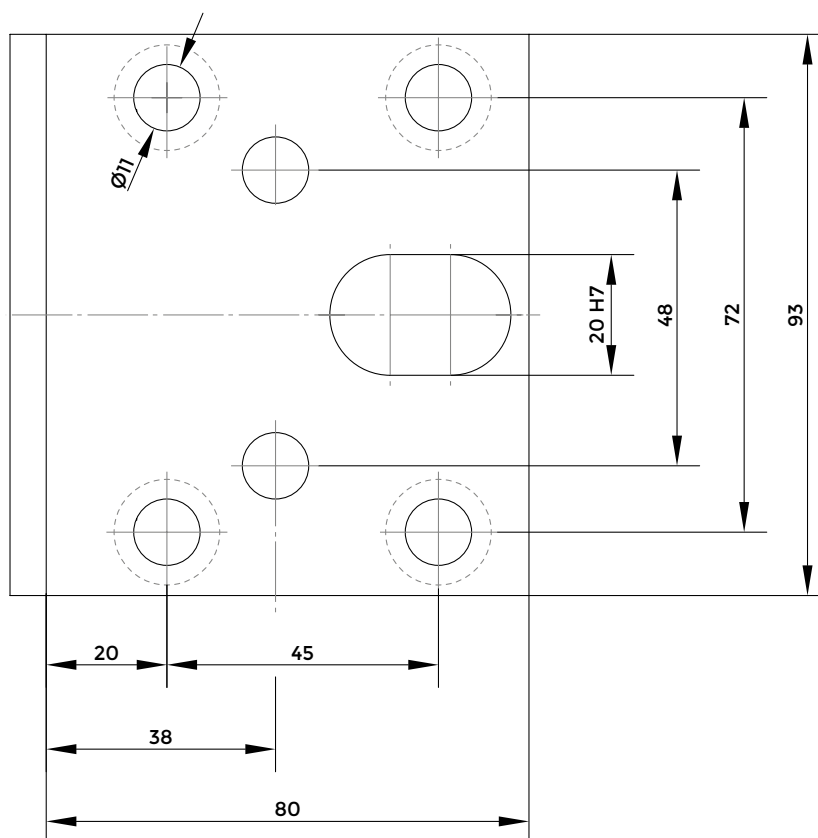


9619 (Ø16 mm)
9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)

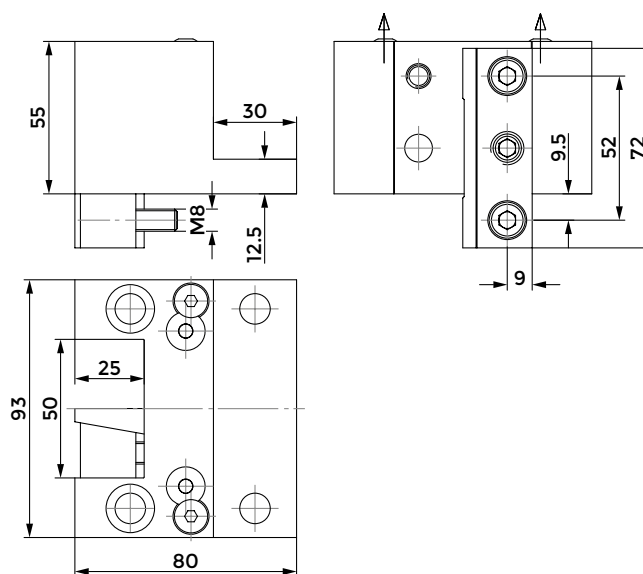


8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

CONNECTION

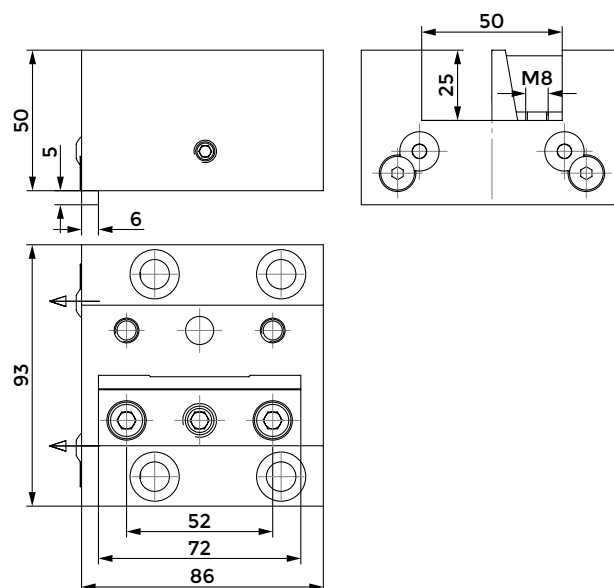


RADIAL TOOLHOLDER



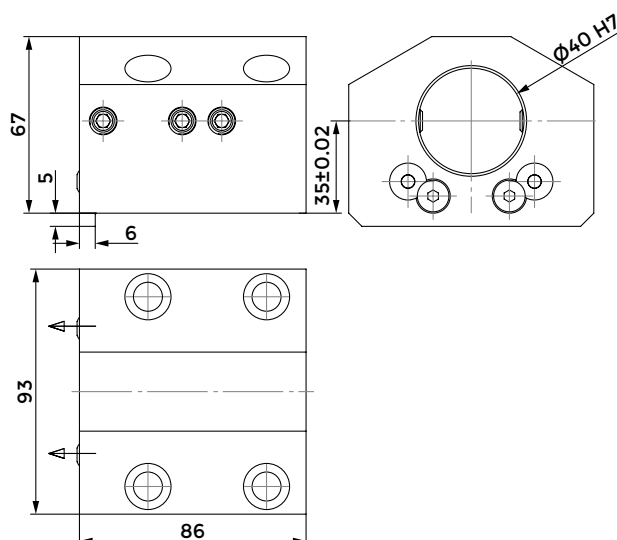
COD.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL
128-42012	832-018240	833-001470	811-108018

AXIAL TOOLHOLDER



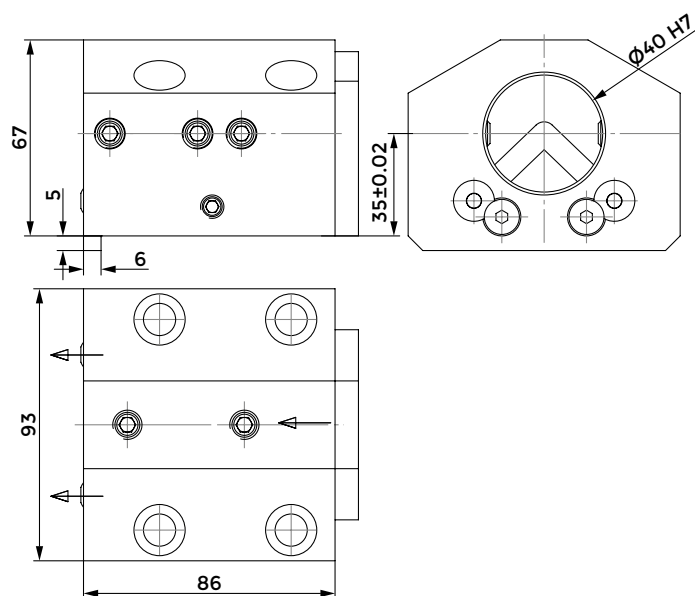
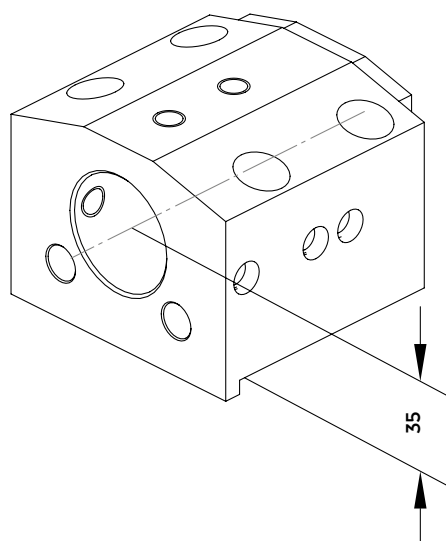
COD.	CLAMPING PLATE	COOLANT BALL	SCREW FOR BALL
128-32009	 832-018240	 833-001470	 811-108018

TOOLHOLDER FOR BORING BAR



COD.	CLAMPING SCREW	COOLANT BALL	SCREW FOR BALL
128-22024	 811-102039	 833-001470	 811-108018

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	CLAMPING SCREW 1 (M10X25)	CLAMPING SCREW 2 (M10X12)	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-22025	811-102039	811-102036	833-001470	811-108018	832-003193	811-108024

DOOSAN (BMT45) - LYNX 2100LYA/LYB (24 position index) - LYNX 2100MA/220 (LMSA, LMSC) - 220 (LSYA, LSYC) 220 (M,LM) - LYNX 220 (MA, LMA, MC, LMC) - 200 (YA, YC, LYA, LYC) - PUMA MX1600 (T, ST)
HARDINGE SMEC - BMT45 - PL1600 (M,CM)

**FACE AND
O.D. CUTTING
HOLDER**

128-41518
20x20 mm

**FACE AND
O.D. CUTTING
HOLDER**

128-41518-IC
20x20 mm
(INTERNAL COOLANT)

**FACE AND
O.D. CUTTING
HOLDER**

128-41519
20x20 mm

**QUALIFIED
TOOL**

**FACE AND O.D.
CUTTING HOLDER**

128-31511
20x20 mm

**FACE AND O.D.
CUTTING HOLDER**

128-31511-IC
20x20 mm
(INTERNAL COOLANT)

CUT-OFF HOLDER

**CUT-OFF
TOOL**

128-11546 - 26 mm

128-11546-IC
(INTERNAL
COOLANT)

Left
Central
Right

ACCESSORIES

BORING BAR SLEEVE

p. 705

D32

D40

**TOOLHOLDER FOR
BORING BAR**

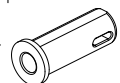
128-21529
Ø32 mm

**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR
AND INSERT
DRILL**

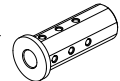
128-21530 D32
128-21547 D40

**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR
AND INSERT
DRILL**

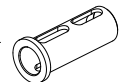
128-21531
2xØ25 mm



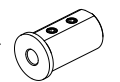
1376 <MT3>
1377 <MT2>



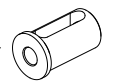
5316 (Ø8 mm)
5317 (Ø10 mm)
5318 (Ø12 mm)
5319 (Ø16 mm)
5320 (Ø20 mm)



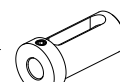
5333 (Ø25 mm)



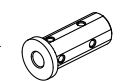
9607 (Ø8 mm) 9615 (Ø8 mm)
9608 (Ø10 mm) 9616 (Ø10 mm)
9609 (Ø12 mm) 9617 (Ø12 mm)



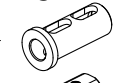
9611 (Ø16 mm) 9619 (Ø16 mm)
9613 (Ø20 mm) 9621 (Ø20 mm)
9614 (Ø25 mm) 9622 (Ø25 mm)
9623 (Ø32 mm)



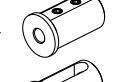
8764 (Ø16 mm) 8768 (Ø16 mm)
8766 (Ø20 mm) 8770 (Ø20 mm)
8767 (Ø25 mm) 8771 (Ø25 mm)
8772 (Ø32 mm)



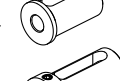
5969 (Ø8 mm)
5970 (Ø10 mm)
5971 (Ø12 mm)



5995 (Ø16 mm)



9600 (Ø8 mm)
9601 (Ø10 mm)
9602 (Ø12 mm)



9604 (Ø16 mm)
9606 (Ø20 mm)



8759 (Ø12 mm)
8761 (Ø16 mm)
8763 (Ø20 mm)

FAST-IN

p. 490

DRIVEN TOOLS

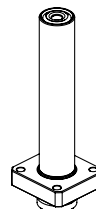
p. 298



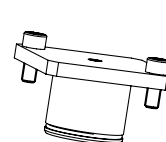
**CONTROL
PIN**

p. 740

137-00197

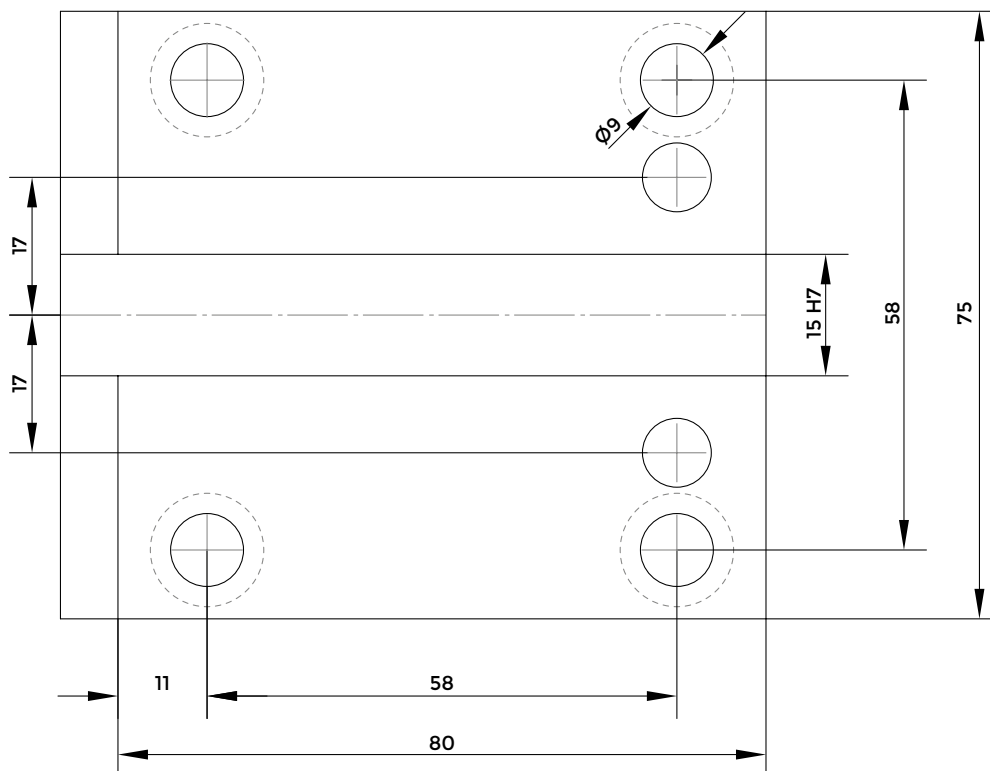


**PROTECTION
COVER**

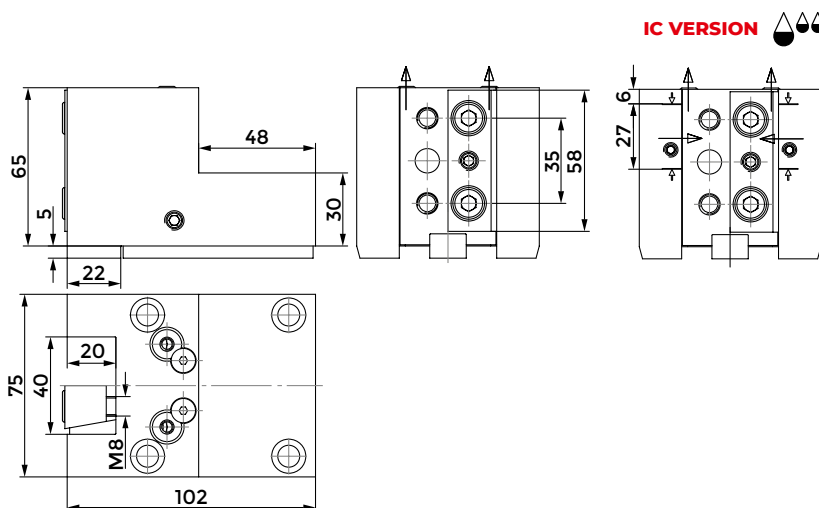


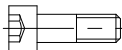
137-00252

CONNECTION

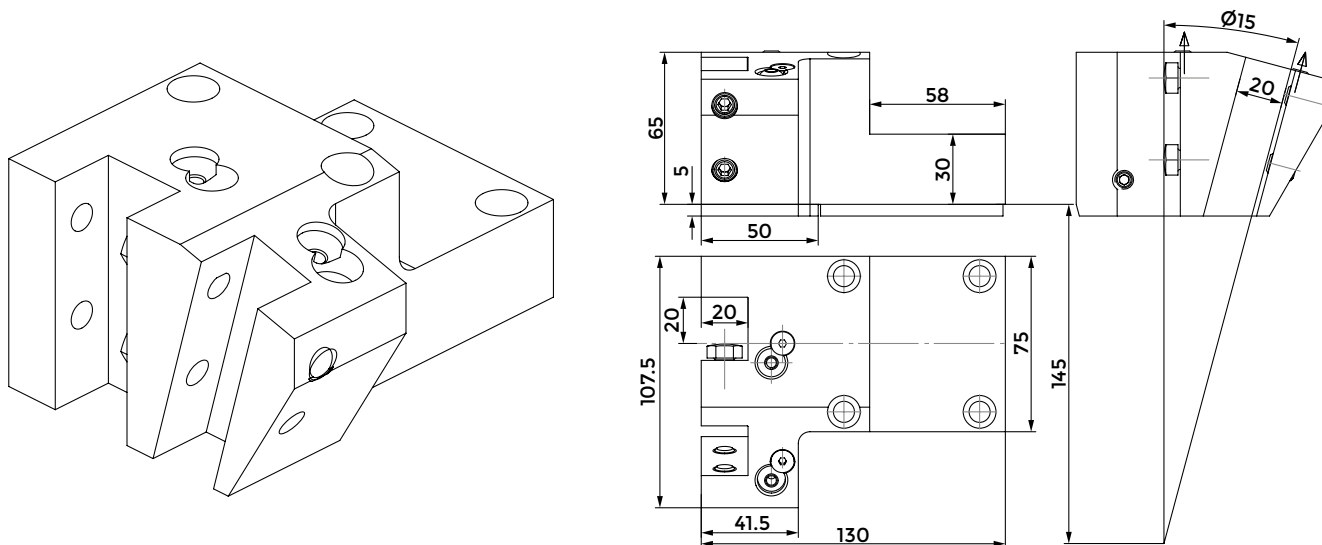


RADIAL TOOLHOLDER



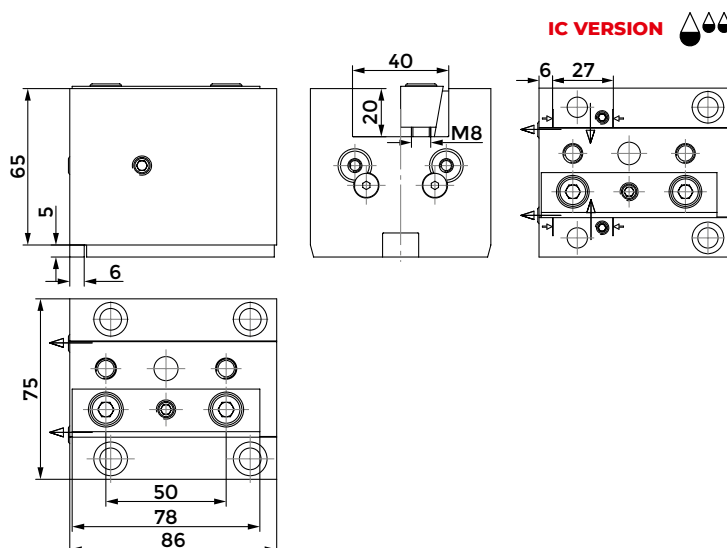
COD.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
						
128-41518	NO	832-007160	814-203450	811-101016	833-001410	811-108024
128-41518-IC	YES	832-007160	814-203450	811-101016	833-001410	811-108024

RADIAL TOOLHOLDER



COD.	CLAMPING SCREW 0°	CLAMPING SCREW 15° M10X12	CLAMPING SCREW 15° M10X16	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41519	811-301128	811-102036	811-102037	814-203450	811-101016	833-001410	811-108024

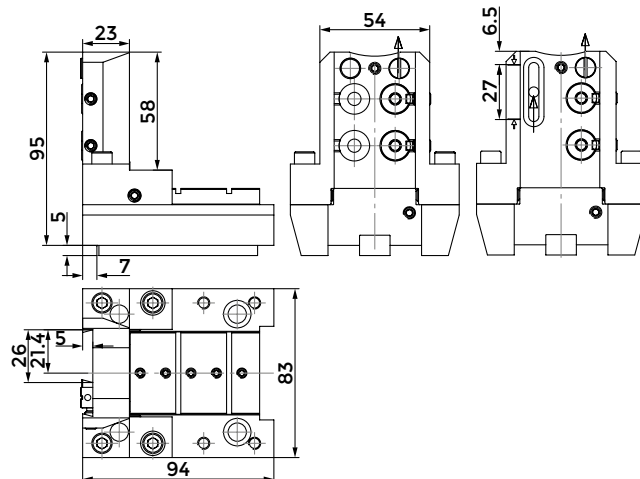
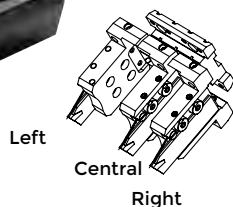
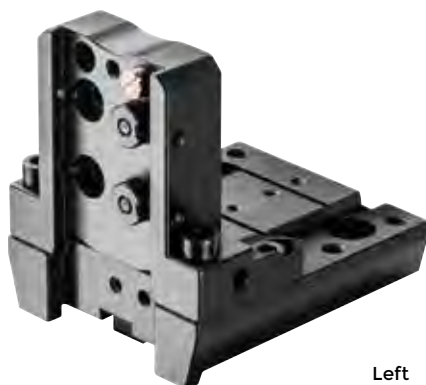
AXIAL TOOLHOLDER

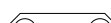
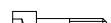
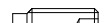


COD.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-31511	NO	832-007200	814-203450	811-101016	833-001410	811-108024
128-31511-IC	YES	832-007200	814-203450	811-101016	833-001410	811-108024

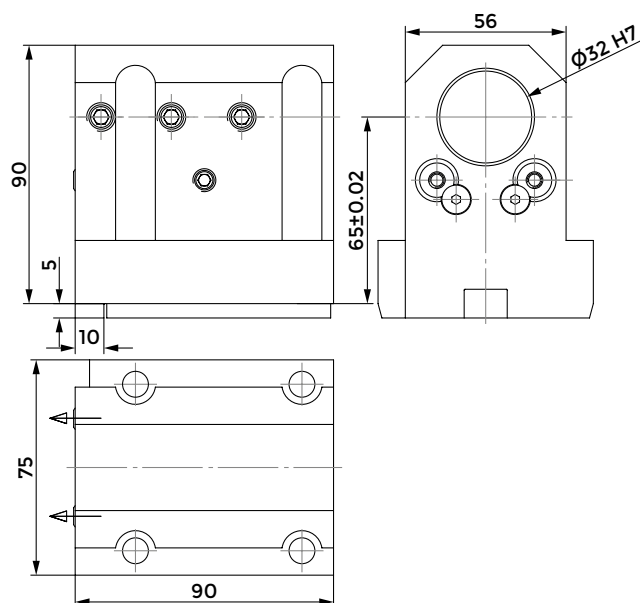
CUT-OFF HOLDER

IC VERSION 



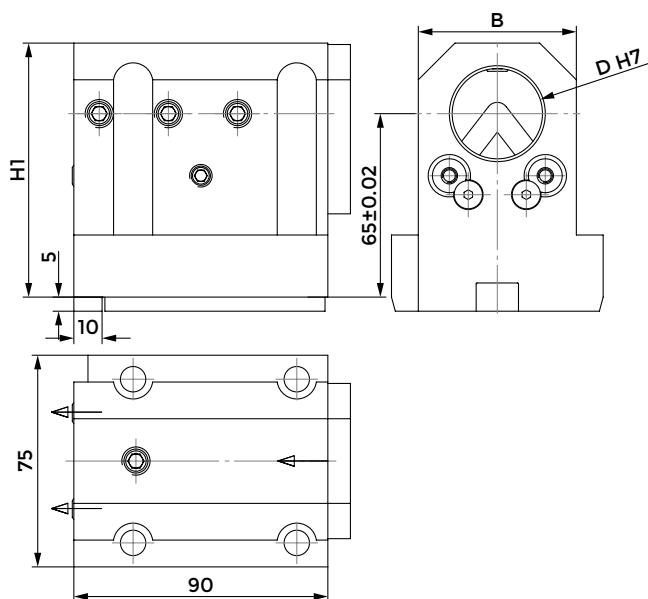
COD.	INTERNAL COOLANT	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING COOLANT BALL	O RING FOR INTERNAL COOLANT	
							
128-11546	NO	814-203450	811-101015	833-001490	823-101058	-	
128-11546-IC	YES	814-203450	811-101015	833-001490	823-101058	823-201140	
COD.	O RING FOR BODY	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
							
128-11546	823-101061	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013
128-11546-IC	823-101061	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013

TOOLHOLDER FOR BORING BAR



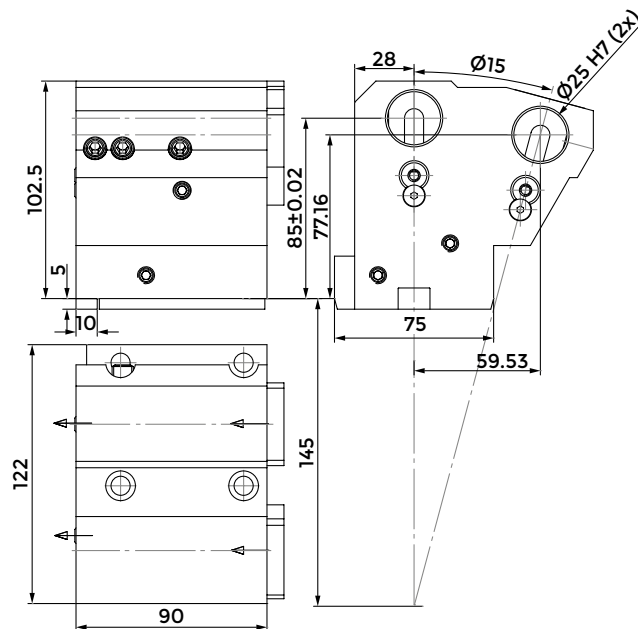
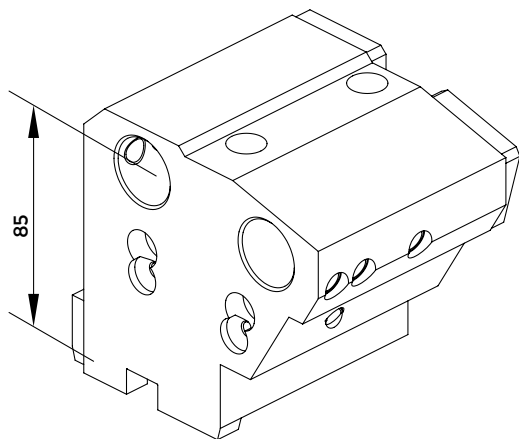
COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-21529	811-102036	814-203450	811-101016	833-001410	811-108024

**COMBI TOOLHOLDER WITH INTERNAL COOLANT
FOR BORING BAR AND INSERT DRILL**



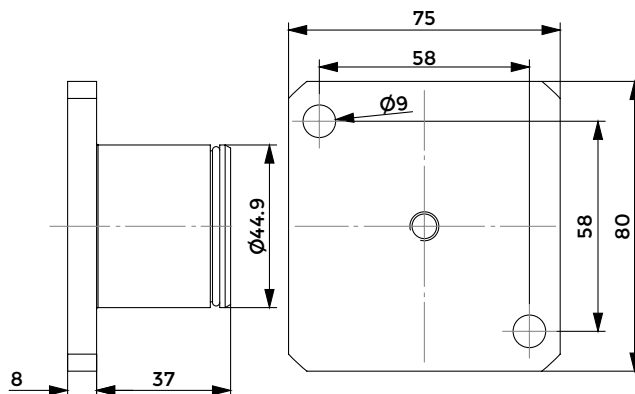
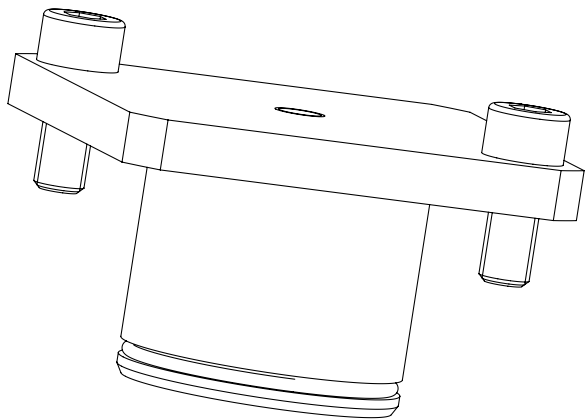
COD.	D	B	H1	CLAMPING SCREW 1 (M10X12)	CLAMPING SCREW 2 (M10X10)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-21530	32	56	90	811-102036	811-102035	814-203450	811-101016	833-001410	811-108024	832-003361	811-101016
128-21547	40	63	94	811-102036	811-102035	814-203450	811-101016	833-001410	811-108024	832-003398	811-101016

**COMBI TOOLHOLDER WITH INTERNAL COOLANT
FOR BORING BAR AND INSERT DRILL**



COD.	CLAMPING SCREW 1 (M10X12)	CLAMPING SCREW 2 (M10X10)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-21531	811-102037	811-102036	814-203450	811-101016	833-001410	811-108024	832-003367	811-101010

PROTECTION COVER



COD.	O RING
	
137-00252	823-101066

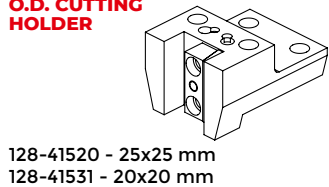
DOOSAN (BMT55) - LYNX 300M - PUMA 1500/2000/2500 (M,S,Y) - PUMA 2100 (Y,LY,SY,LSY)
PUMA 2100/2600/3100 M/Y/MS/SY - PUMA 230/240/280 (M,LM,S) - PUMA GT2100M - PUMA H250TM
PUMA MX2100 (ST/LST) - PUMA TL2000/2500 (M,LM) - PUMA TT1500/1800 (MS,SY)

SAMSUNG - PL 240LM - **HARDINGE** - T-51/65 super precision H51

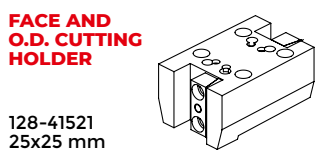
HYUNDAI WIA - WIA L230 LMSA - SKT-160/180 TTMS / TTSY - LM1600/1800 TTSY

HWACHEON - CUTEX-160/240/T2 - **VICTOR** - VTURN-A16/A20 (YSCM)

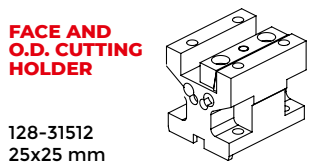
**FACE AND
O.D. CUTTING
HOLDER**



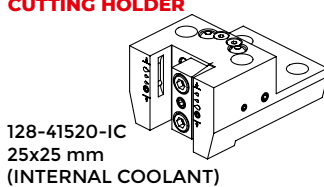
**FACE AND
O.D. CUTTING
HOLDER**



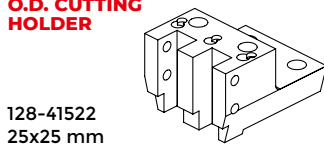
**FACE AND
O.D. CUTTING
HOLDER**



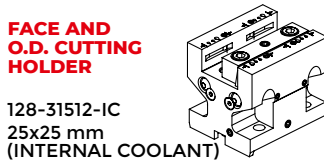
**FACE AND O.D.
CUTTING HOLDER**



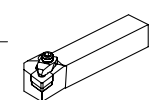
**FACE AND
O.D. CUTTING
HOLDER**



**FACE AND
O.D. CUTTING
HOLDER**



**QUALIFIED
TOOL**



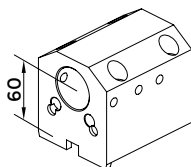
FAST-IN p. 490
DRIVEN TOOLS p. 298



ACCESSORIES

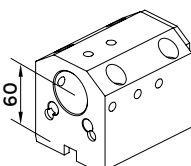
**TOOLHOLDER
FOR BORING
BAR**

128-21532
Ø40 mm



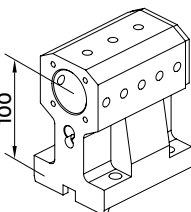
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

128-21533
Ø40 mm



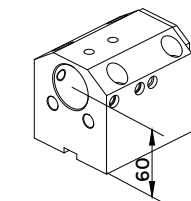
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

128-21534
Ø40 mm



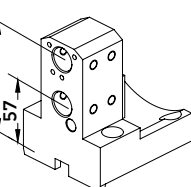
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

128-21522
Ø40 mm



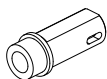
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

128-21535
2xØ20 mm

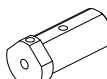


BORING BAR SLEEVE

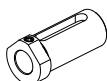
p. 707



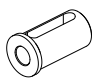
8958 <MT1>
8959 <MT2>
8960 <MT3>



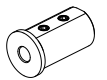
8916 (Ø10 mm)
8917 (Ø12 mm)
8918 (Ø16 mm)



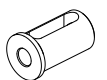
8919 (Ø20 mm)
8920 (Ø25 mm)
8921 (Ø32 mm)



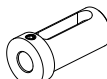
8897 (Ø20 mm)
8898 (Ø25 mm)
8899 (Ø32 mm)



9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)

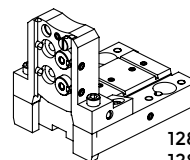


9619 (Ø16 mm)
9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)



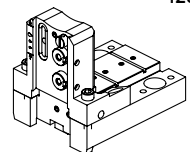
8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

CUT-OFF HOLDER

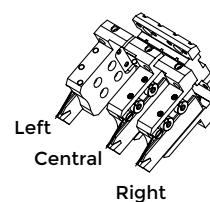


128-11548 - 26 mm
128-11549 - 32 mm

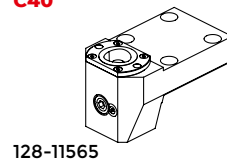
**CUT-OFF
TOOL**



128-11548-IC
(INTERNAL COOLANT)
128-11549-IC
(INTERNAL COOLANT)

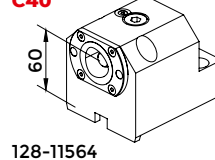


**POLYGONAL TOOL
HOLDER
C40**



128-11565

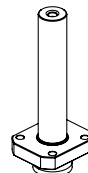
**POLYGONAL TOOL
HOLDER
C40**



128-11564

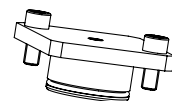
CONTROL PIN

p. 740



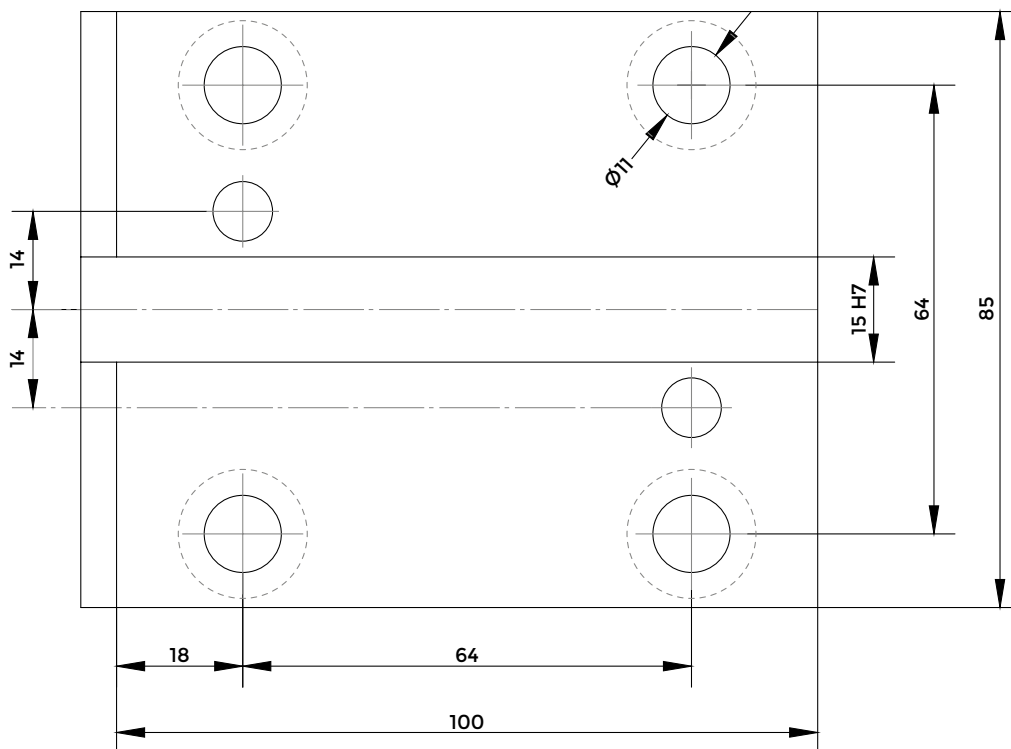
137-00198

**PROTECTION
COVER**

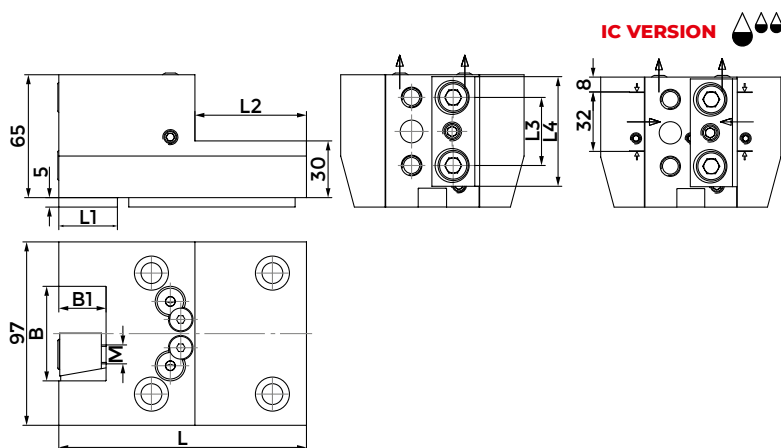


137-00253

CONNECTION

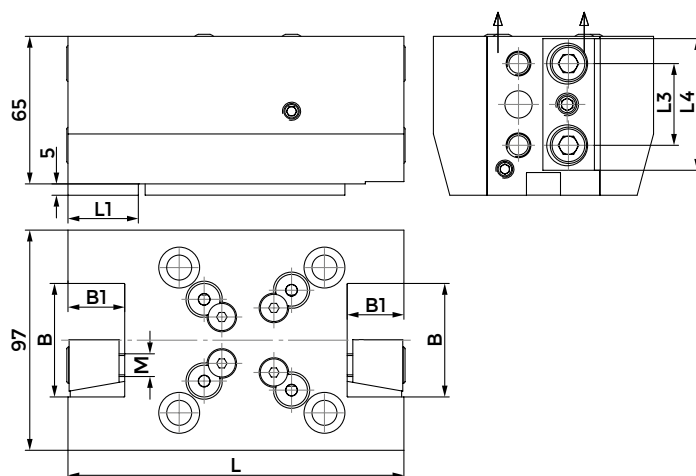
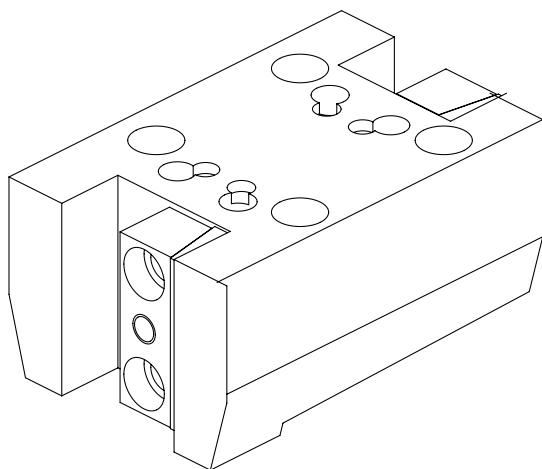


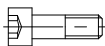
RADIAL TOOLHOLDER



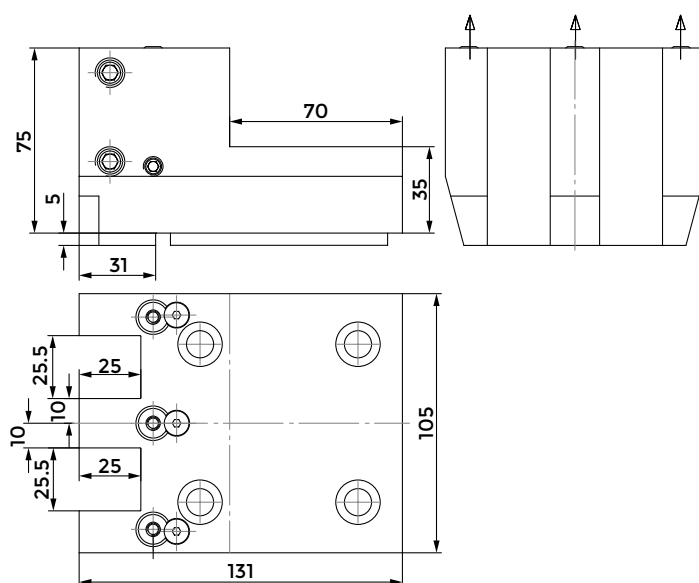
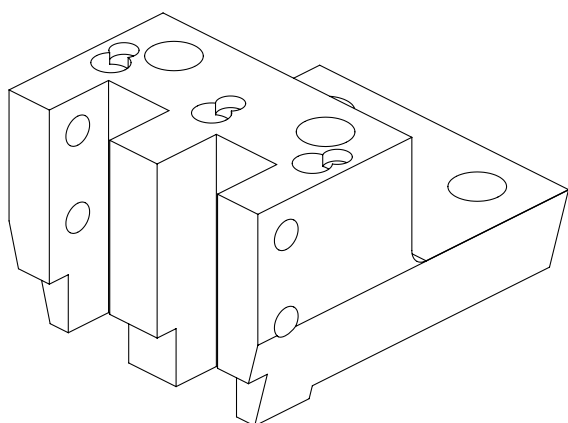
COD.	B	B1	L	L1	L2	L3	L4	M	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	SCREW FOR BALL	SCREW FOR BALL
128-41520	50	25	131	31	59	36	58	M10	NO	832-007570	814-203230	811-101016	833-001470	811-108018
128-41520-IC	50	25	131	31	59	36	58	M10	YES	832-007570	814-203230	811-101016	833-001470	811-108018
128-41531	40	20	109	9	50	35	58	M8	NO	832-007160	814-203230	811-101016	833-001470	811-108018

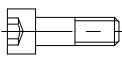
RADIAL TOOLHOLDER



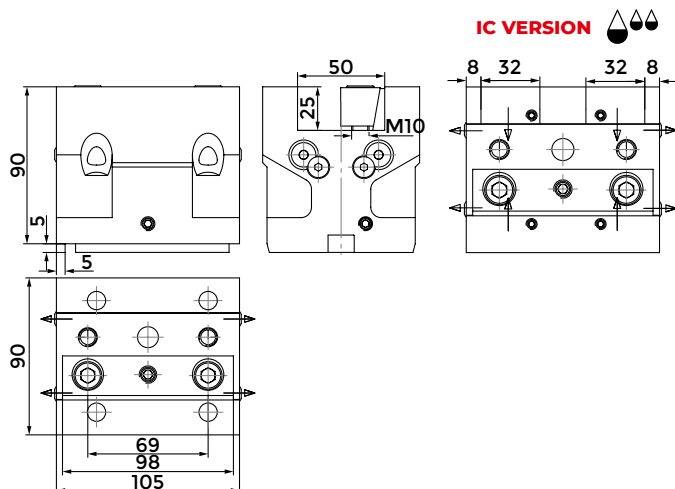
COD.	B	B1	L	L1	L3	L4	M	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41521	50	25	148	31	36	58	M10					
832-007570												

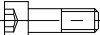
RADIAL TOOLHOLDER



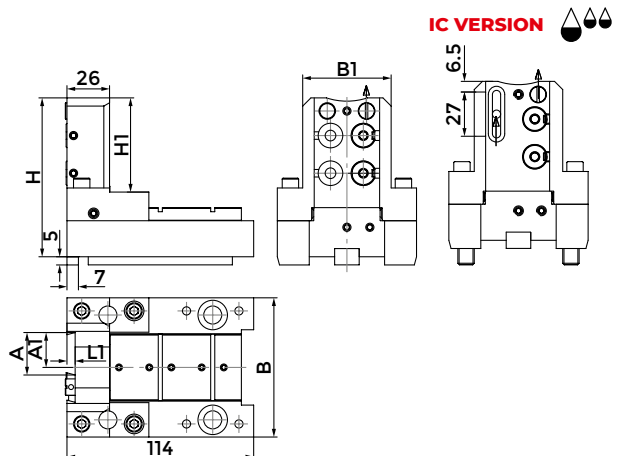
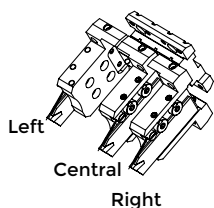
COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41522					
811-102043					

AXIAL TOOLHOLDER

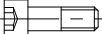


COD.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
						
128-31512	NO	832-007220	814-203230	811-101016	833-001470	811-108018
128-31512-IC	YES	832-007220	814-203230	811-101016	833-001470	811-108018

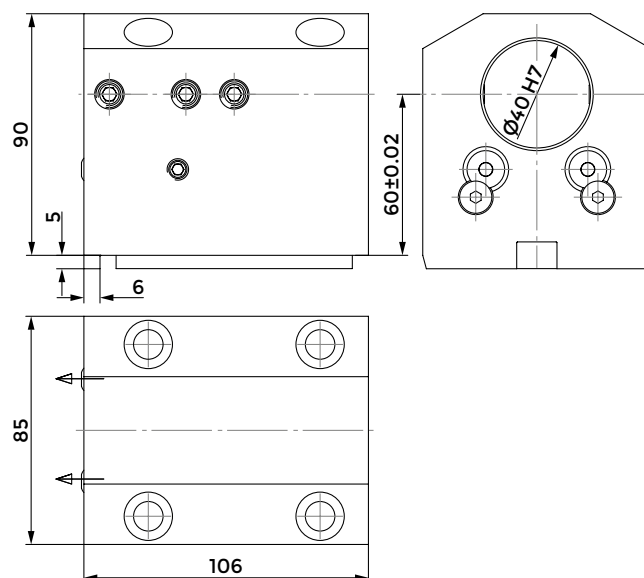
CUT-OFF HOLDER

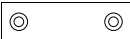
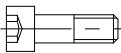


COD.	A	A1	B	B1	H	H1	L1	INTERNAL COOLANT	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING COOLANT BALL	O RING INTERNAL COOLANT
													
128-11548	26	21.4	85	54	97	57.5	5	NO	814-203230	811-101015	833-001490	823-101058	-
128-11548-IC	26	21.4	85	54	97	57.5	5	YES	814-203230	811-101015	833-001490	823-101058	823-201140
128-11549	32	25	94	63	105	66	6	NO	814-203230	811-101015	833-001490	823-101058	-
128-11549-IC	32	25	94	63	105	66	6	YES	814-203230	811-101015	833-001490	823-101058	823-201140

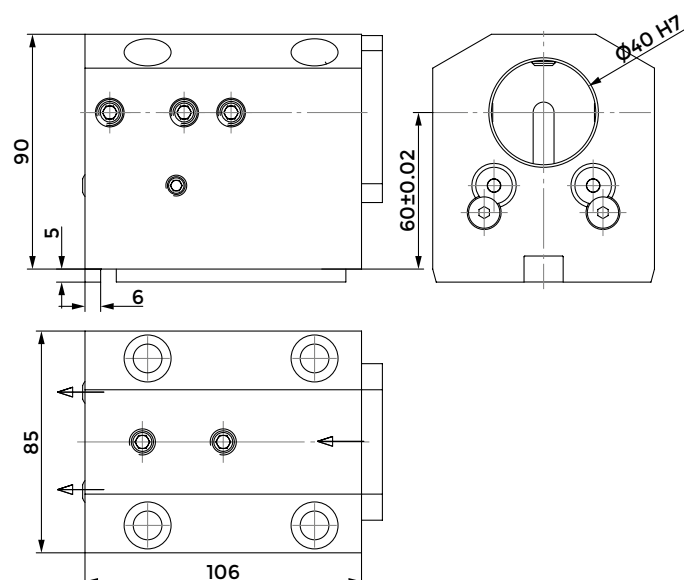
COD.	O RING FOR BODY	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
							
128-11548	823-101061	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013
128-11548-IC	823-101061	832-014448	811-108037	832-014447	824-300012	811-101028	811-104013
128-11549	823-101061	832-014448	811-108037	832-014450	824-300012	811-101029	811-104013
128-11549-IC	823-101061	832-014448	811-108037	832-014450	824-300012	811-101029	811-104013

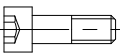
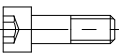
TOOLHOLDER FOR BORING BAR



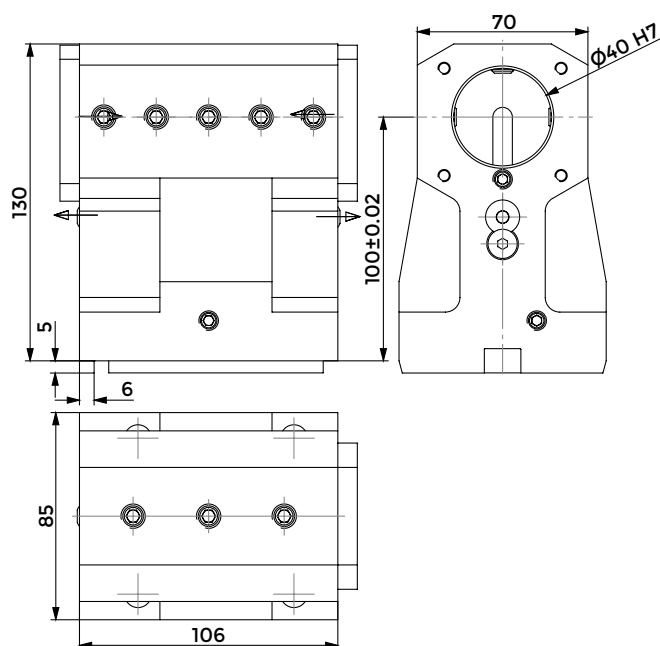
COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-21532	 811-102038	 814-203230	 811-101016	 833-001470	 811-108018

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



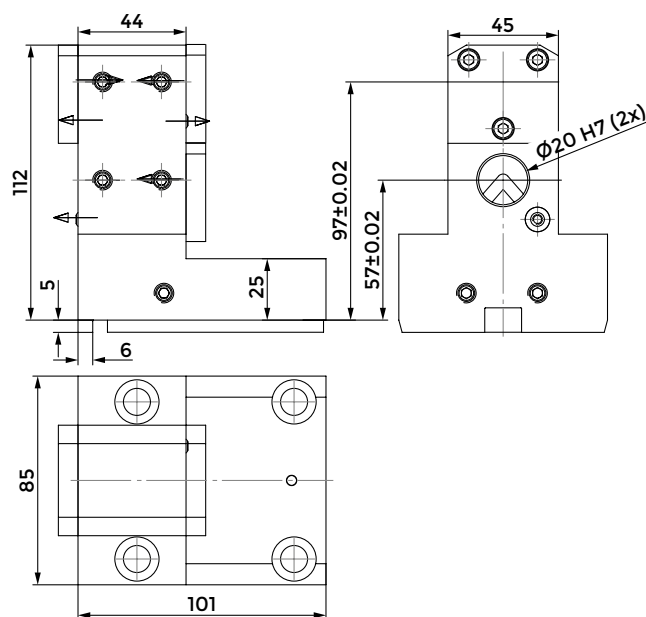
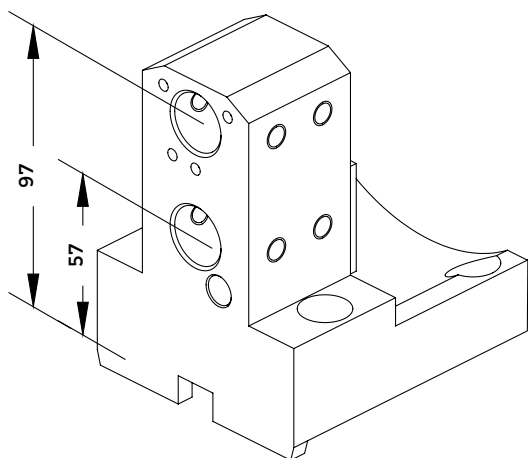
COD.	CLAMPING SCREW 1 (M10X12)	CLAMPING SCREW 2 (M10X10)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-21533	 811-102038	 811-102036	 814-203230	 811-101016	 833-001470	 811-108018	 832-003363	 811-101016

COMBI TOOLHOLDER FOR BORING BAR AND INSERT DRILL



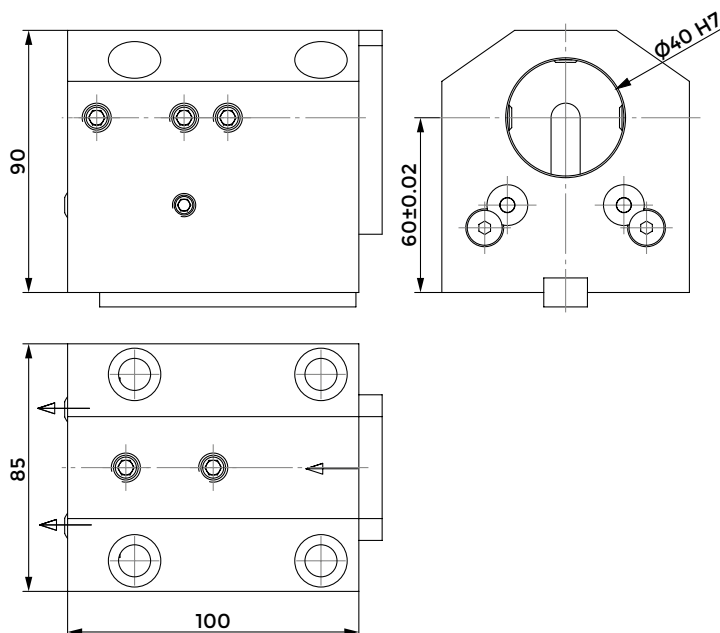
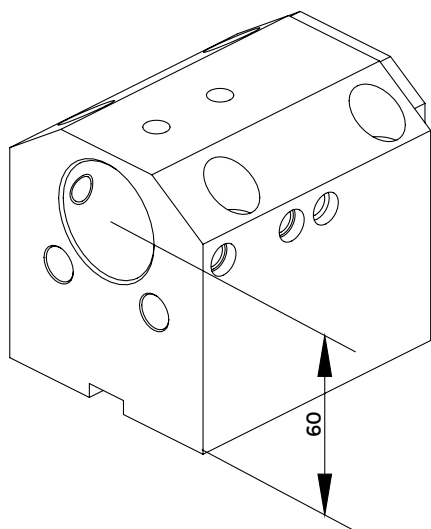
COD.	CLAMPING SCREW 1 (M10X12)	CLAMPING SCREW 2 (M10X10)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-21534	811-102037	811-102036	814-203230	811-101016	833-001470	811-108018	832-003363	811-101016

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



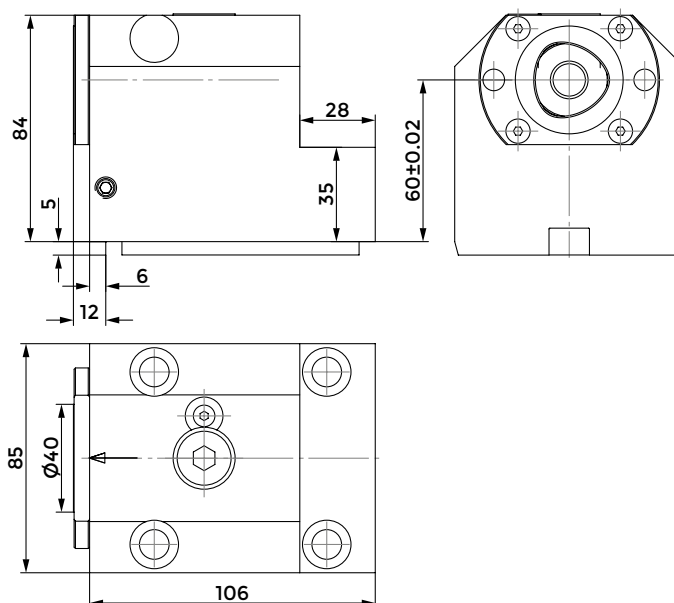
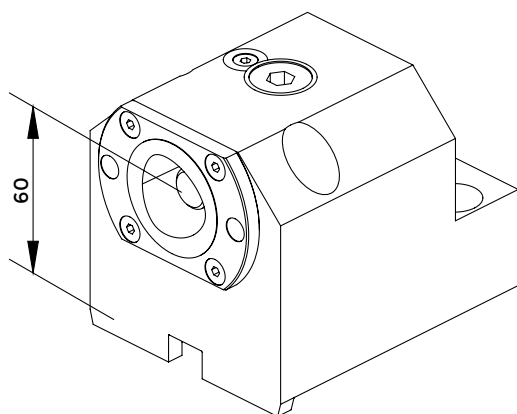
COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	COVER	SCREW FOR COVER
128-21535	811-102028	814-203230	811-101016	833-001070	832-003368	811-101016

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



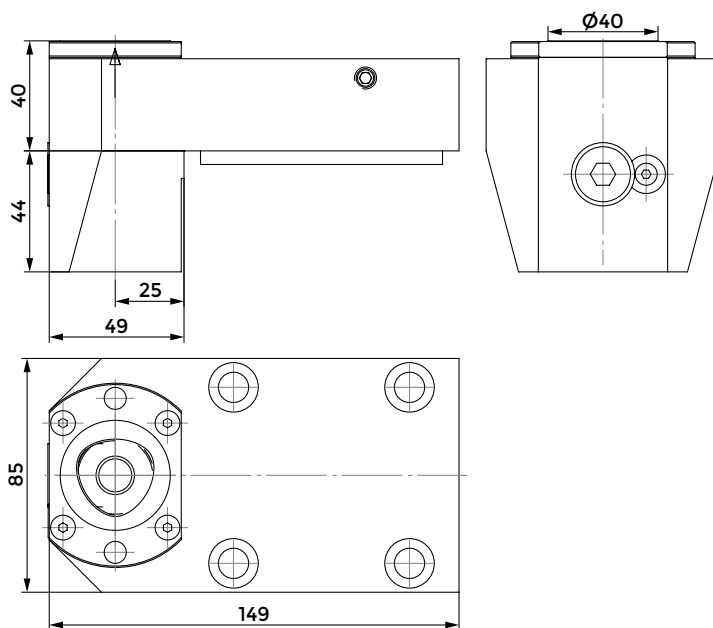
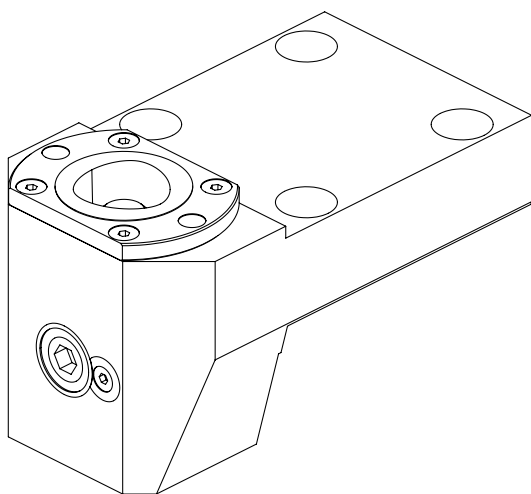
COD.	CLAMPING SCREW 1 (M10X20)	CLAMPING SCREW 2 (M10X10)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-21522	811-102038	811-102035	814-203230	811-101017	833-001470	811-108018	832-003216	811-101017

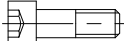
POLYGONAL TOOLHOLDER



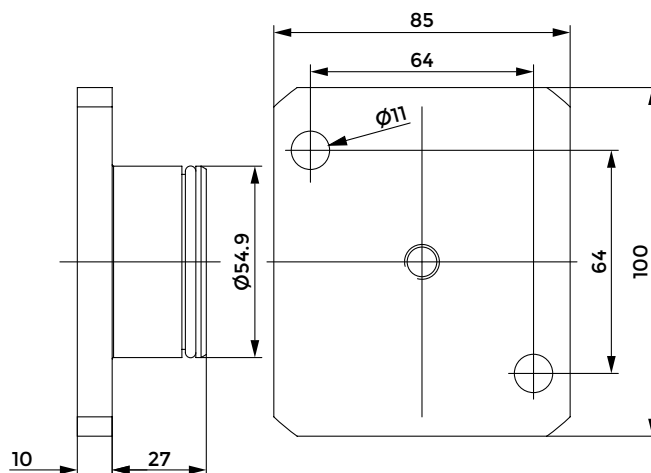
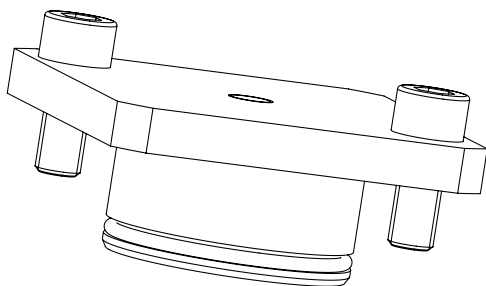
COD.	POLYGONAL	CLAMPING UNIT	KEY	SCREW FOR KEY
128-11564	C40	CXC40-10	814-203230	811-101016

POLYGONAL TOOLHOLDER



COD.	POLYGONAL	CLAMPING UNIT	KEY	SCREW FOR KEY
128-11565	C40	CXC40-10		
			814-203230	811-101016

PROTECTION COVER



COD.	O RING
137-00253	
	823-101064

DOOSAN (BMT65) - PUMA 2100/2600 (M,LM,MS,LMS) - PUMA 2100/2600 (Y,LY,SY,LSY) - PUMA 300 (M,MS,MB,MC)
PUMA 3100 (M/LM/LY/XLM/XLY/ULM/ULY) - PUMA MX2000/2500 - PUMA MX2600 (T,ST) - PUMA TT2500 (MS,SY)
PUMA V400 (M) - PUMA VT450 (M,S2P) - PUMA TT2000

HWACHEON - CUTEX-240 - HI-TECH200/T2-Series - HI-TECH 300/400 - VT-450

HYUNDAI WIA - L2100SY - SKT-200/250 TTSY - SKT-250/300 (L,M) - SKT-250/300 (MS) - L300M / MS

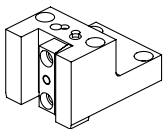
LM 2000 / 2500 TTM - 2500 TTMS / 2500 TTSY - **MAXSIN** - BMT65

SMEC/SAMSUNG - SL25 - SL35 - PL20/25M - PL 35LM - PL 2000/2500Y - **TONGTAI** - TMT2000

VICTOR - VTURN-A26 (YSCM) - **HAAS** ST-20 - ST-25 - ST-30 - ST-35 - DS-30Y - ST-20Y - ST-30Y - ST35Y

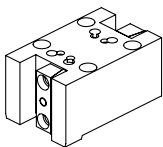
**FACE AND
O.D. CUTTING
HOLDER**

128-41801
25x25 mm



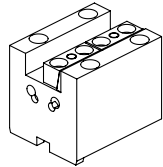
**FACE AND
O.D. CUTTING
HOLDER**

128-41802
25x25 mm



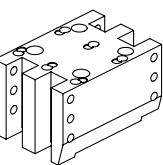
**FACE AND
O.D. CUTTING
HOLDER**

128-31802
25x25 mm

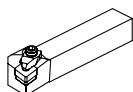


**FACE AND
O.D. CUTTING
HOLDER**

128-41804
25x25 mm

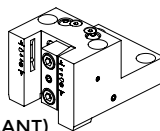


**QUALIFIED
TOOL**



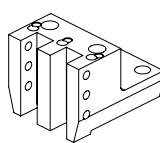
**FACE AND
O.D. CUTTING
HOLDER**

128-41801-IC
25x25 mm
(INTERNAL COOLANT)



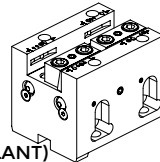
**FACE AND
O.D. CUTTING
HOLDER**

128-41803
25x25 mm



**FACE AND
O.D. CUTTING
HOLDER**

128-31802-IC
25x25 mm
(INTERNAL COOLANT)



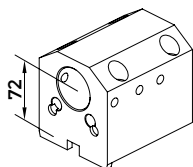
FAST-IN p. 490
DRIVEN TOOLS p. 298



ACCESSORIES

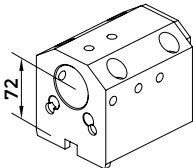
**TOOLHOLDER
FOR BORING
BAR**

128-21801 - Ø40 mm



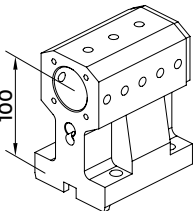
**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

128-21802 - Ø40 mm
128-21805 - Ø50 mm



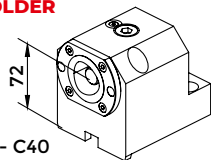
**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**

128-21803 - Ø40 mm
128-21806 - Ø50 mm



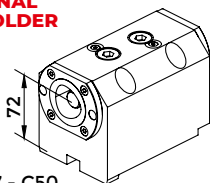
**POLYGONAL
TOOL HOLDER**

128-11817 - C40
128-11805 - C50



**POLYGONAL
TOOL HOLDER**

128-11807 - C50



BORING BAR SLEEVE D40
p. 707



8958 <MT1>
8959 <MT2>
8960 <MT3>



8916 (Ø10 mm)
8917 (Ø12 mm)
8918 (Ø16 mm)



8919 (Ø20 mm)
8920 (Ø25 mm)
8921 (Ø32 mm)



8897 (Ø20 mm)
8898 (Ø25 mm)
8899 (Ø32 mm)



9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)



9619 (Ø16 mm)
9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)

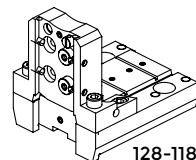


8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

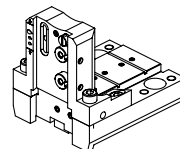
D50

8773 (Ø25 mm)
8774 (Ø32 mm)
8775 (Ø40 mm)

CUT-OFF HOLDER



128-11804

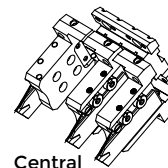


128-11804-IC
(INTERNAL COOLANT)

CUT-OFF TOOL



Left

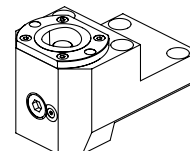


Central

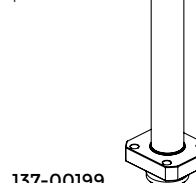
Right

**POLYGONAL
TOOL HOLDER**

128-11819 - C40
128-11809 - C50

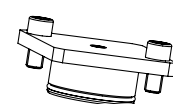


CONTROL PIN
p. 740



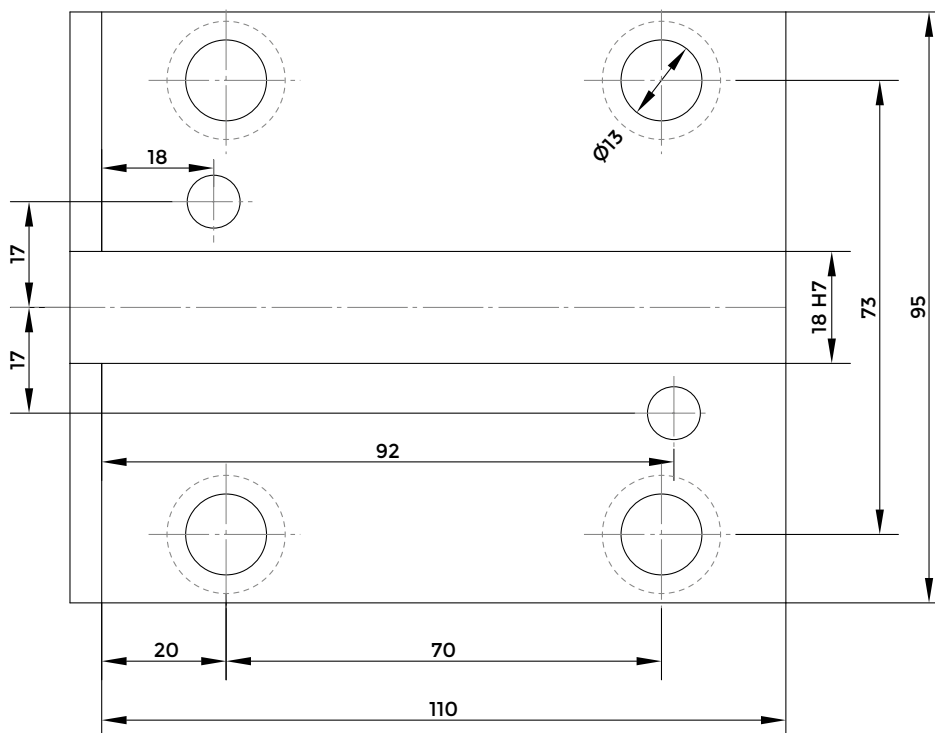
137-00199

**PROTECTION
COVER**

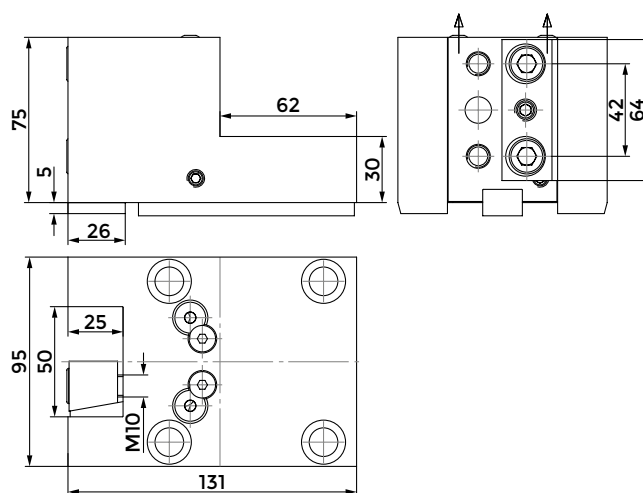


137-00254

CONNECTION

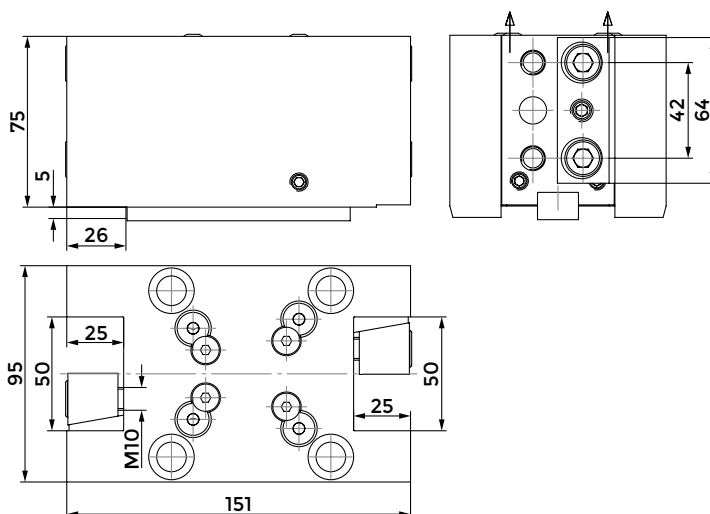


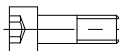
RADIAL TOOLHOLDER



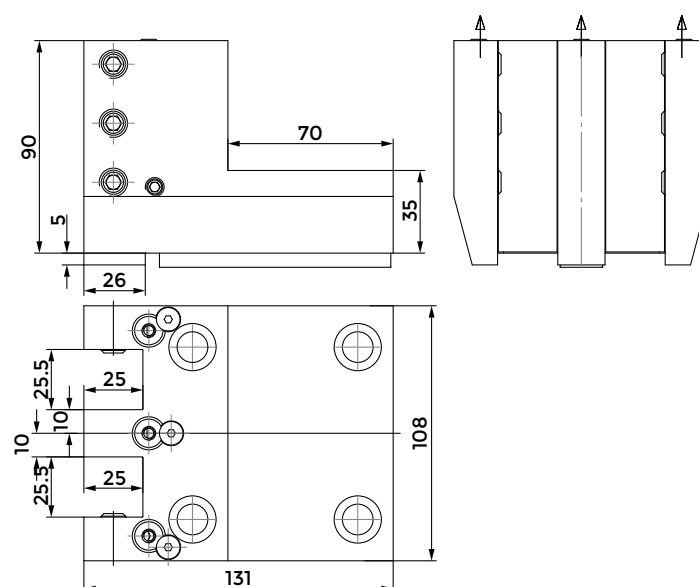
COD.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41801	NO	832-007360	814-203310	811-101027	833-001470	811-108018
128-41801-IC	YES	832-007360	814-203310	811-101027	833-001470	811-108018

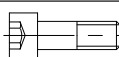
RADIAL TOOLHOLDER



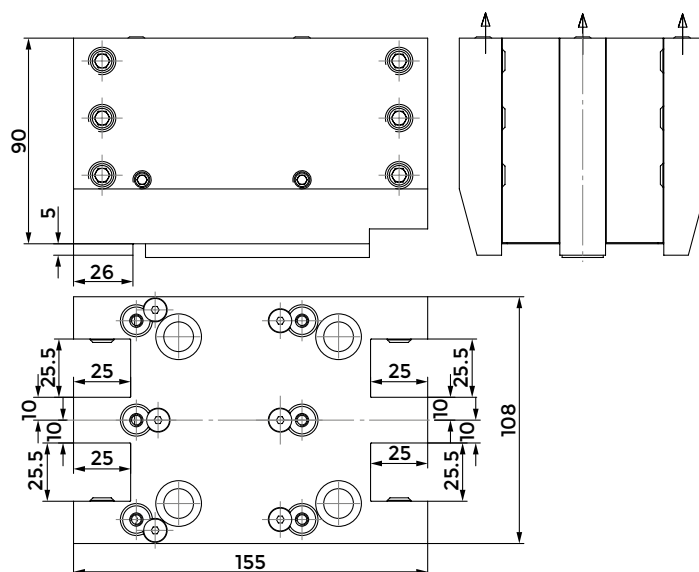
COD.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41802	 832-007360	 814-203310	 811-101027	 833-001470	 811-108018

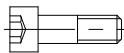
RADIAL TOOLHOLDER



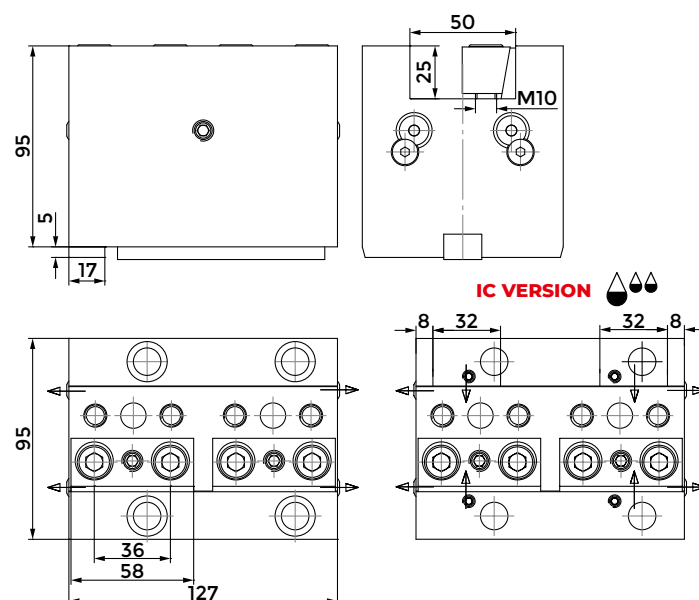
COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41803	 811-102044	 814-203310	 811-101027	 833-001410	 811-108024

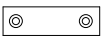
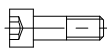
RADIAL TOOLHOLDER



COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-41804	 811-102044	 814-203310	 811-101027	 833-001410	 811-108024

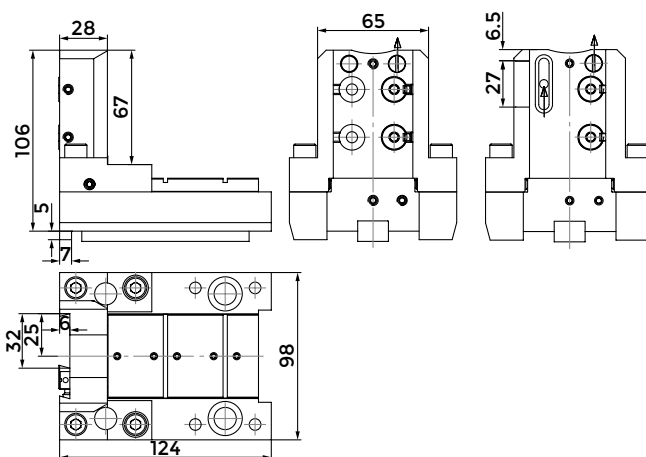
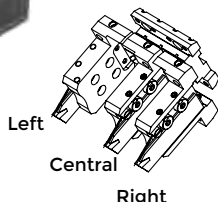
AXIAL TOOLHOLDER

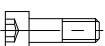


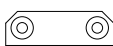
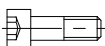
COD.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-31802	NO	 832-007570	 814-203310	 811-101027	 833-001470	 811-108018
128-31802-IC	YES	832-007570	814-203310	811-101027	833-001470	811-108018

CUT-OFF HOLDER

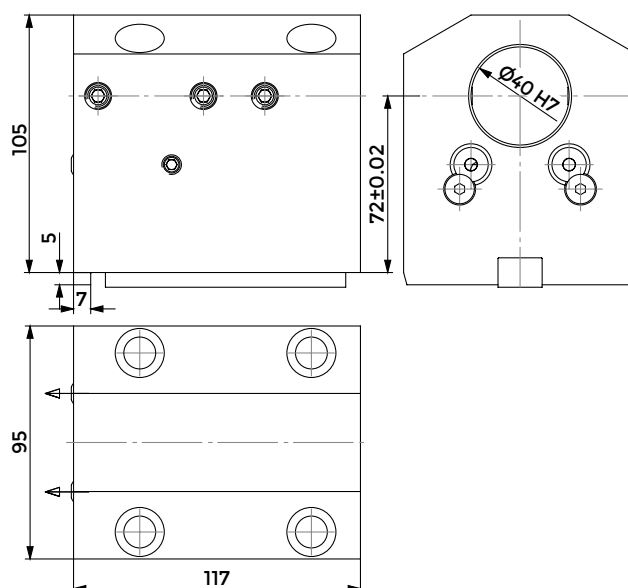
IC VERSION 

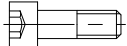


COD.	INTERNAL COOLANT	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR INTERNAL COOLANT
						
128-11804	NO	814-203310	811-101026	833-001490	823-101058	-
128-11804-IC	YES	814-203310	811-101026	833-001490	823-101058	823-201140

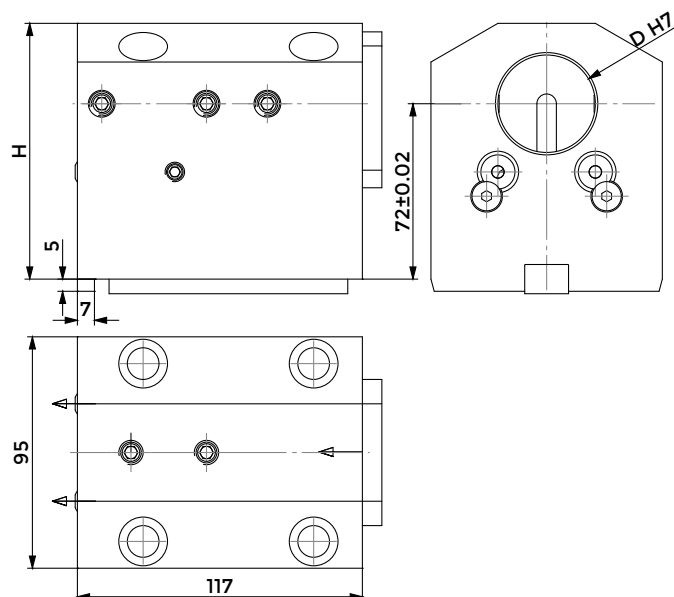
COD.	O RING FOR BODY	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
							
128-11804	823-101061	832-014449	811-108037	832-014450	824-300012	811-101029	811-104013
128-11804-IC	823-101061	832-014449	811-108037	832-014450	824-300012	811-101029	811-104013

TOOLHOLDER FOR BORING BAR



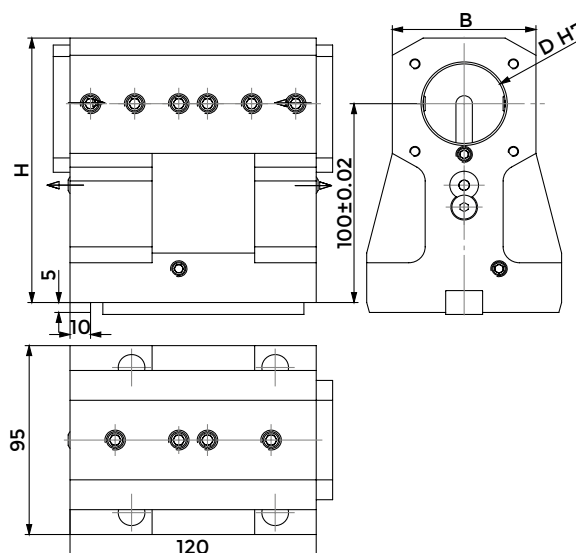
COD.	CLAMPING SCREW	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-21801	811-102039	814-203310	811-101027	833-001470	811-108018

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



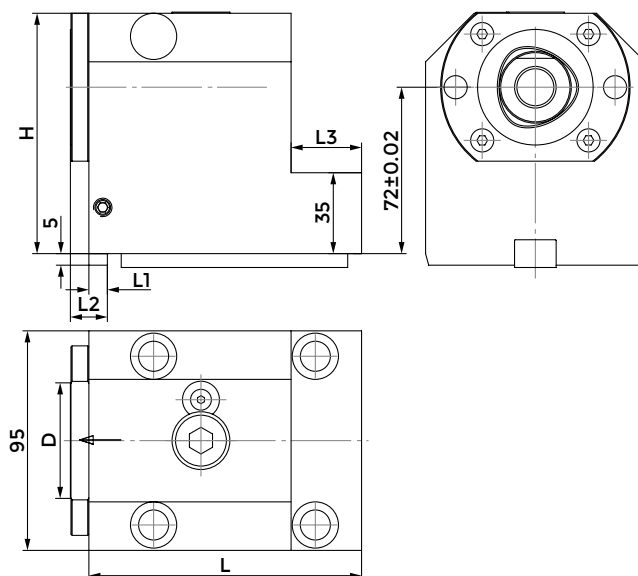
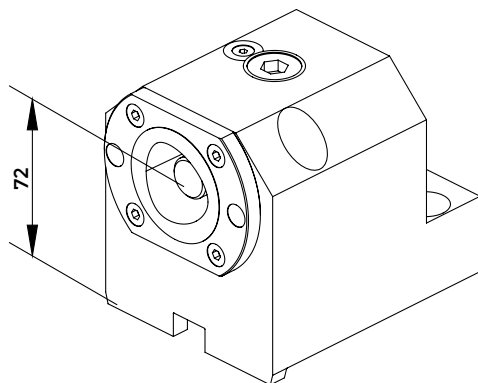
COD.	D	H	CLAMPING SCREW 1 (M10X25D40) (M12X20 D50)	CLAMPING SCREW 2 (M10X12D40) (M12X12 D50)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-21802	40	105	811-102039	811-102036	814-203310	811-101027	833-001470	811-108018	832-003363	811-101016
128-21805	50	109	811-102044	811-102064	814-203310	811-101027	833-001470	811-108018	832-003369	811-101016

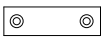
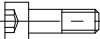
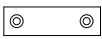
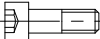
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



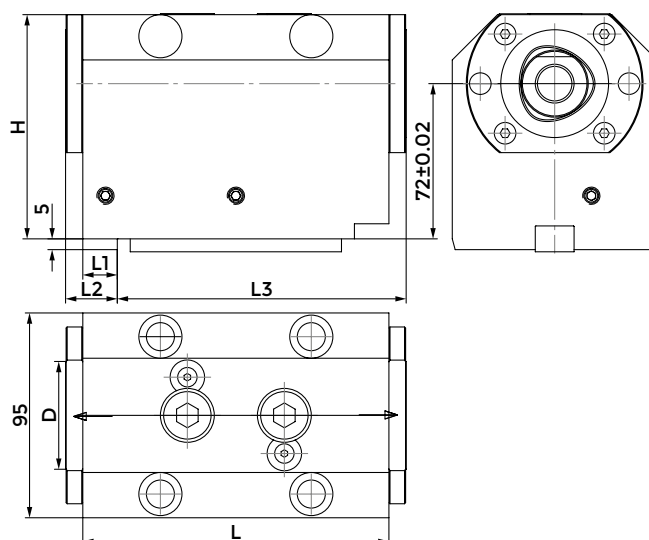
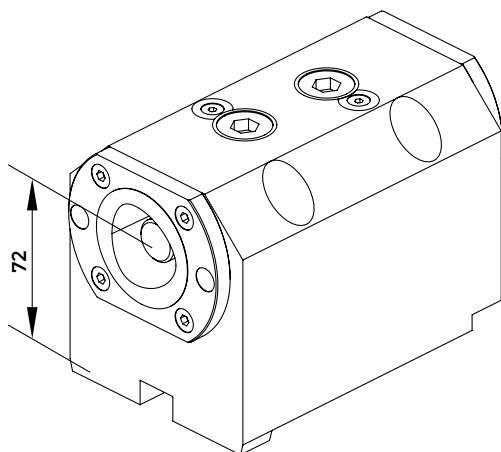
COD.	D	H	B	CLAMPING SCREW 1 (M10X16D40) (M12X16 D50)	CLAMPING SCREW 2 (M10X12D40) (M12X12 D50)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-21803	40	133	70	811-102037	811-102036	814-203310	811-101027	833-001470	811-108018	832-003363	811-101016
128-21806	50	137	80	811-102043	811-102064	814-203310	811-101027	833-001470	811-108018	832-003373	811-101016

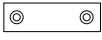
POLYGONAL TOOLHOLDER



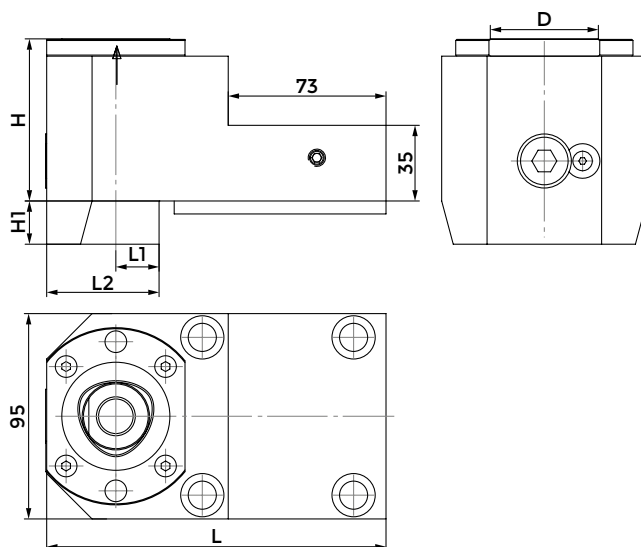
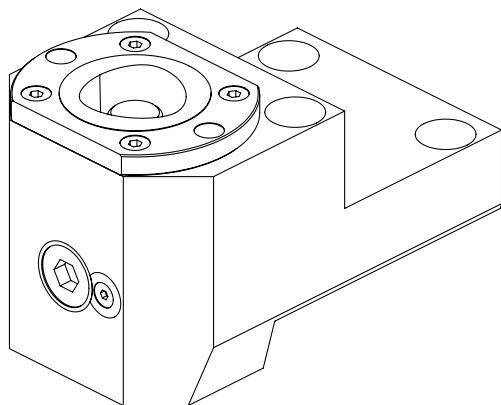
COD.	POLYGONAL	D	H	L	L1	L2	L3	CLAMPING UNIT	KEY	SCREW FOR KEY
128-11817	C40	40	96	116	6	12	38	CXC40-10		
128-11805	C50	50	104	118	8	16	30,5	CXC50-10		

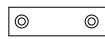
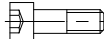
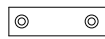
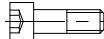
POLYGONAL TOOLHOLDER



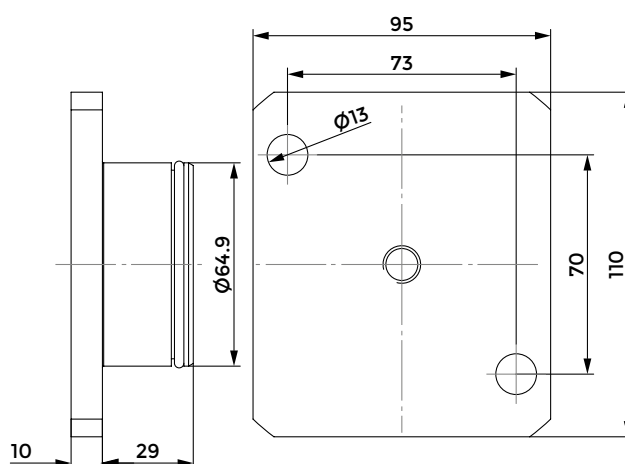
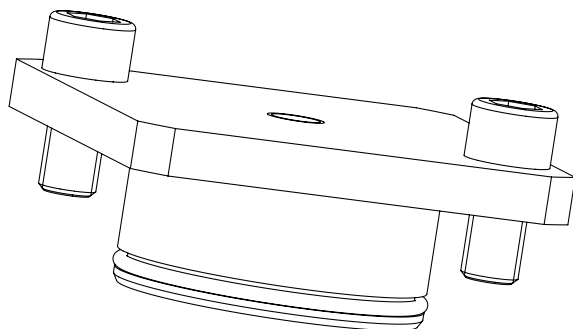
COD.	POLYGONAL	D	H	L	L1	L2	L3	CLAMPING UNIT	KEY	SCREW FOR KEY
128-11807	C50	50	104	142	16	24	134	CXC50-10		

POLYGONAL TOOLHOLDER



COD.	POLYGONAL	D	H	L	L1	L2	L3	CLAMPING UNIT	KEY	SCREW FOR KEY
128-11819	C40	40	70	13	141	12	36	CXC40-10		
128-11809	C50	50	75	20	157	20	52	CXC50-10		

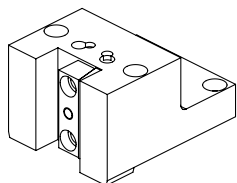
PROTECTION COVER



COD.	O RING
137-00254	823-101084

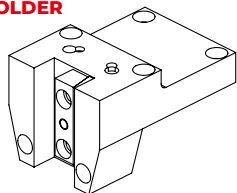
DOOSAN (BMT75) - PUMA 400/480 (M,LM,XLM) - 500 (M) - V550 (M) - VT750 (TM, 2SP)
SAMSUNG - PL 45LM - **HYUNDAI WIA** - LV800RM - SKT400M/MA/MC/LMC
HWACHEON - HI-TECH 550/700/7026 - VT-550

**FACE AND
O.D. CUTTING
HOLDER**



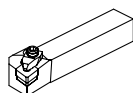
128-42508 - 25x25 mm
 128-42516 - 32x32 mm

**FACE AND O.D.
CUTTING HOLDER**

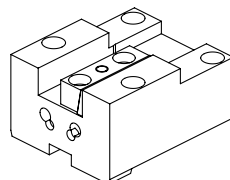


128-42509 - 25x25 mm
 128-42510 - 32x32 mm

**QUALIFIED
TOOL**



**FACE AND O.D.
CUTTING HOLDER**



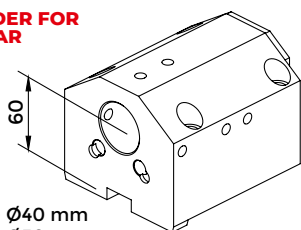
128-32506 - 25x25 mm

FAST-IN p. 490
DRIVEN TOOLS p. 298



ACCESSORIES

**TOOLHOLDER FOR
BORING BAR**

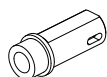


128-22522 - Ø40 mm
 128-22523 - Ø50 mm

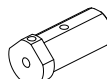
BORING BAR SLEEVE

p. 707

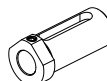
D40



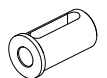
8958 <MT1>
 8959 <MT2>
 8960 <MT3>



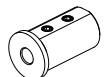
8916 (Ø10 mm)
 8917 (Ø12 mm)
 8918 (Ø16 mm)



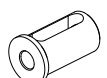
8919 (Ø20 mm)
 8920 (Ø25 mm)
 8921 (Ø32 mm)



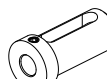
8897 (Ø20 mm)
 8898 (Ø25 mm)
 8899 (Ø32 mm)



9615 (Ø8 mm)
 9616 (Ø10 mm)
 9617 (Ø12 mm)



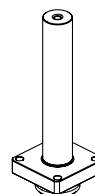
9619 (Ø16 mm)
 9621 (Ø20 mm)
 9622 (Ø25 mm)
 9623 (Ø32 mm)



8768 (Ø16 mm)
 8770 (Ø20 mm)
 8771 (Ø25 mm)
 8772 (Ø32 mm)

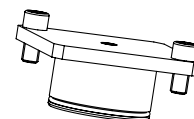
CONTROL PIN

p. 740



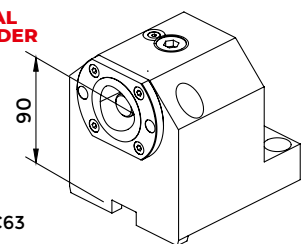
137-00200

**PROTECTION
COVER**



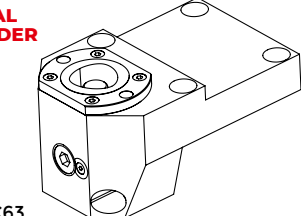
137-00255

**POLYGONAL
TOOL HOLDER**



128-12528 C63

**POLYGONAL
TOOL HOLDER**



128-12529 C63

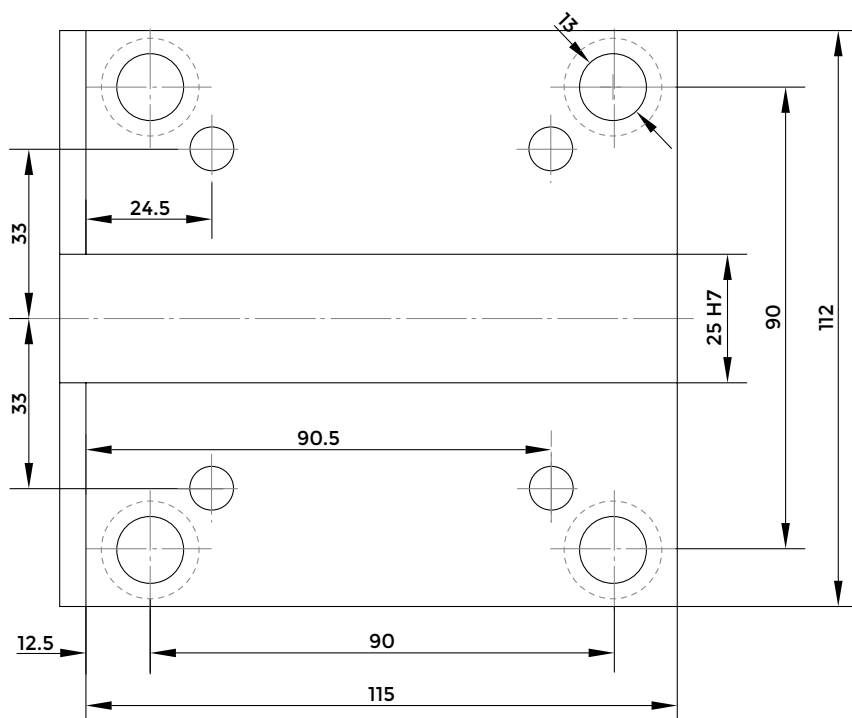
D50

8773 (Ø25 mm)
 8774 (Ø32 mm)
 8775 (Ø40 mm)

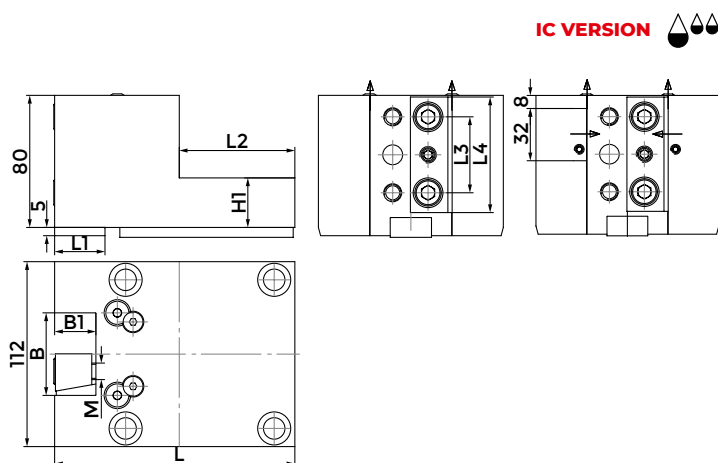
D60

8881 (Ø25 mm)
 8882 (Ø32 mm)
 8883 (Ø40 mm)
 8884 (Ø50 mm)

CONNECTION

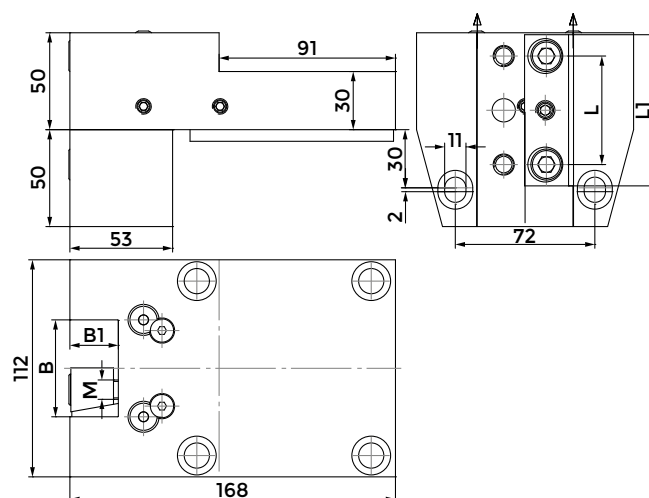


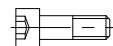
RADIAL TOOLHOLDER



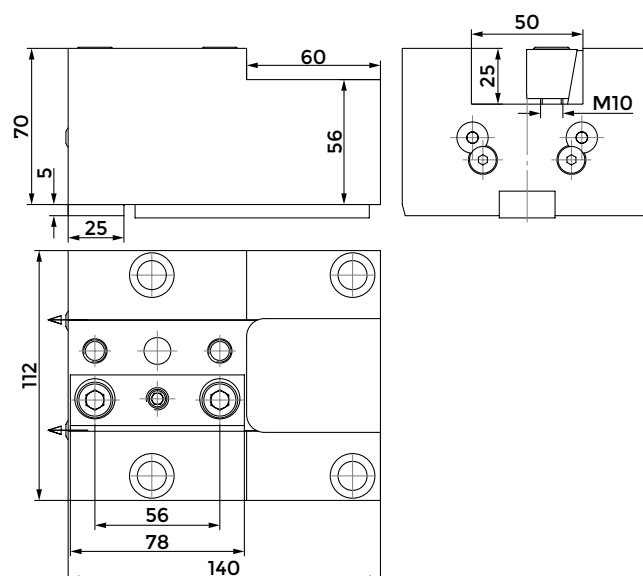
COD.	INTERNAL COOLANT	B	B1	H1	L	L1	L2	L3	L4	M	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
															
128-42508	NO	50	25	30	145.5	30.5	70	46	70	M10	832-007010	814-203480	811-101027	833-001470	811-108018
128-42516	NO	64	32	45	152.5	35	80	52	76	M12	832-007970	814-203480	811-101027	833-001470	811-108018

RADIAL TOOLHOLDER



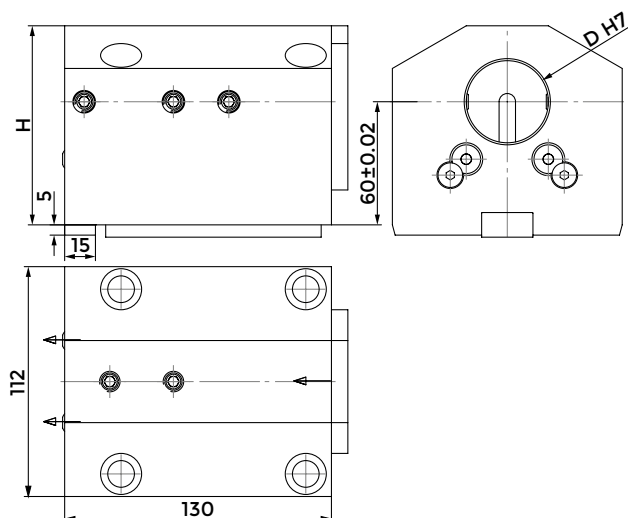
COD.	B	B1	L	L1	M	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
										
128-42509	50	25	56	78	M10	832-007340	814-203480	811-101027	833-001470	811-108018
128-42510	64	32	60	88	M12	832-007170	814-203480	811-101027	833-001470	811-108018

AXIAL TOOLHOLDER



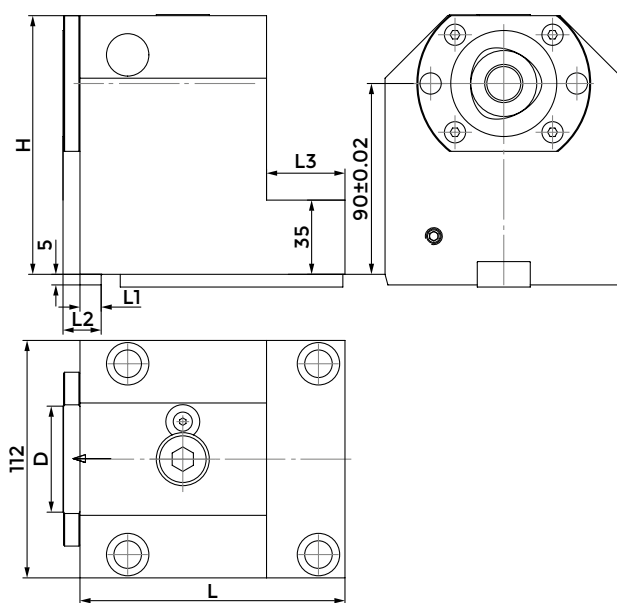
COD.	INTERNAL COOLANT	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
						
128-32506	NO	832-007340	814-203480	811-101027	833-001470	811-108018

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



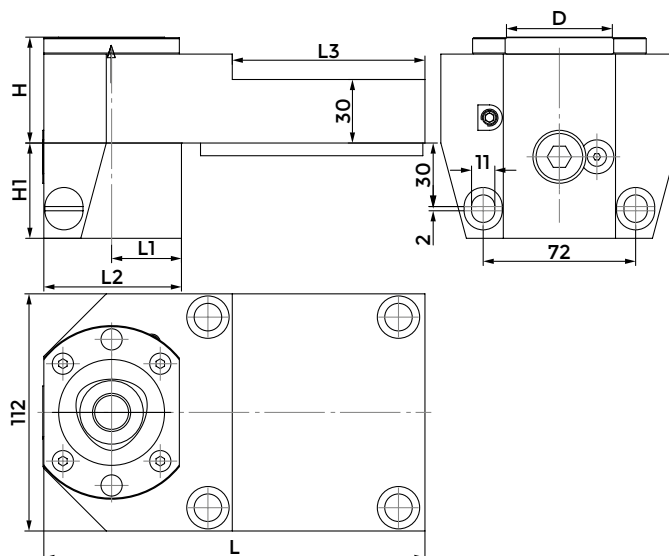
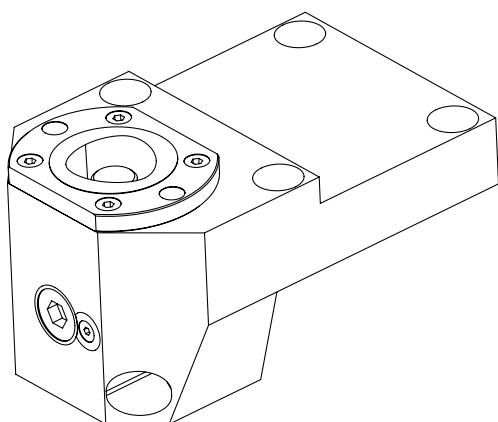
COD.	D	H	CLAMPING SCREW 1 (D40-M10x30) (D50-M12x30) (D60-M12x25)	CLAMPING SCREW 2 (D40-M10x16) (D50-M12x12)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
										
128-22522	40	97	811-102040	811-102037	814-203480	811-101027	833-001470	811-108018	832-003369	811-101016
128-22523	50	97	811-102046	811-102064	814-203480	811-101027	833-001470	811-108018	832-003369	811-101016

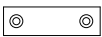
POLYGONAL TOOLHOLDER



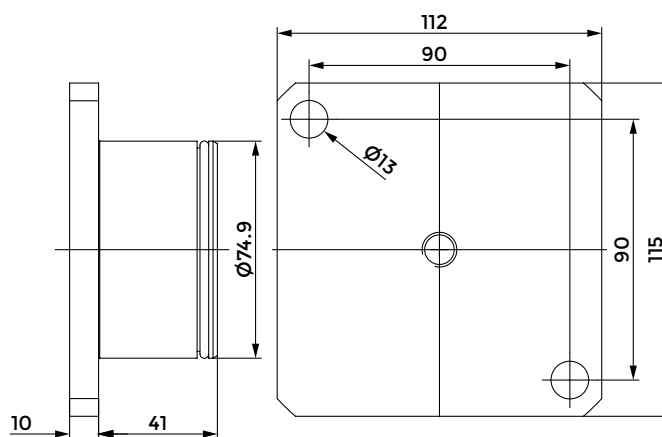
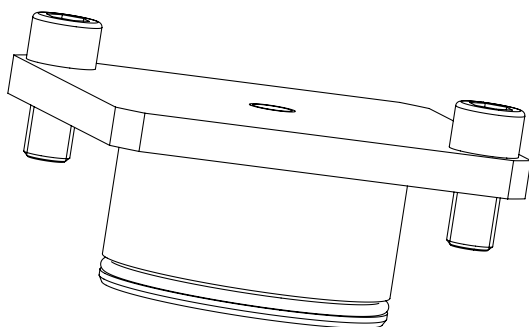
COD.	POLYGONAL	D	H	L	L1	L2	L3	CLAMPING UNIT	KEY	SCREW FOR KEY
										
128-12528	C63	63	102	127	12	21	-	CXC63-10	814-203480	811-101027

POLYGONAL TOOLHOLDER



COD.	POLYGONAL	D	H	H1	L	L1	L2	L3	CLAMPING UNIT	KEY	SCREW FOR KEY
128-12529	C63	63	45	57	204	47	89	120	CXC63-10		
										814-203480	811-101027

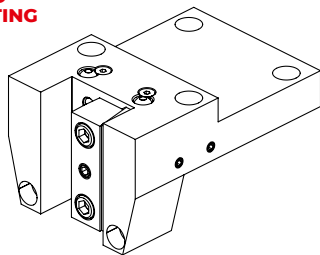
PROTECTION COVER



COD.	O RING
137-00255	823-101115

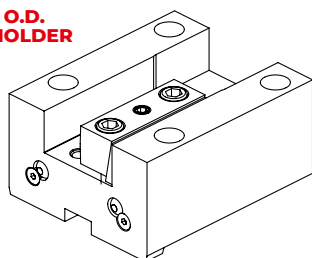
DOOSAN PUMA (BMT85) - 600 M/LM - 700 M/LM - 800 M/LM - VT900 M/TM - VT1100 M

**FACE AND
O.D. CUTTING
HOLDER**



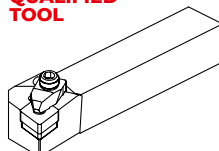
128-42513 - 32x32 mm

**FACE AND O.D.
CUTTING HOLDER**

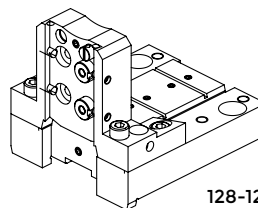


128-32509 - 32x32 mm

**QUALIFIED
TOOL**

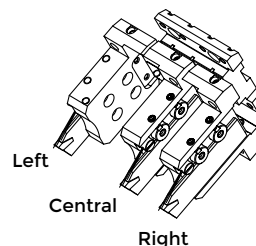


CUT-OFF HOLDER



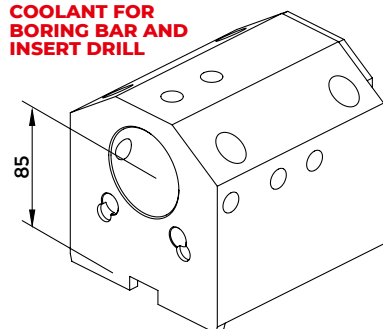
128-12521 - 32 mm

**CUT-OFF
TOOL**



ACCESSORIES

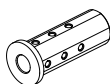
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**



128-22528 - (Ø50 mm)
128-22529 - (Ø60 mm)

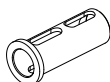
BORING BAR SLEEVE

p. 705

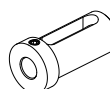


D50

5328 (Ø12 mm)
5329 (Ø16 mm)
5330 (Ø20 mm)
5331 (Ø25 mm)
5332 (Ø32 mm)



5335 (Ø40 mm)



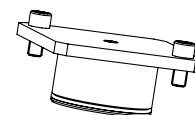
5335 (Ø25 mm)
8774 (Ø32 mm)
8775 (Ø40 mm)

D60

8840 (Ø20 mm)
8941 (Ø25 mm)
8942 (Ø32 mm)
8943 (Ø40 mm)

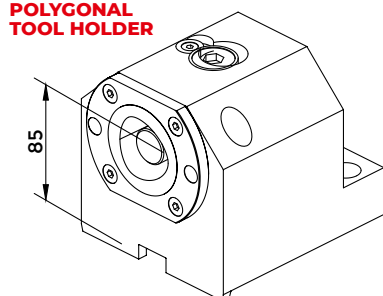
8844 (Ø50 mm)

**PROTECTION
COVER**



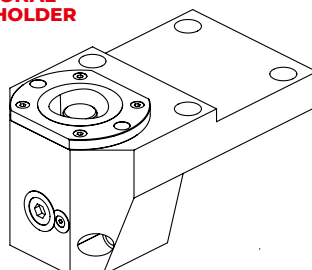
137-00256

**POLYGONAL
TOOL HOLDER**



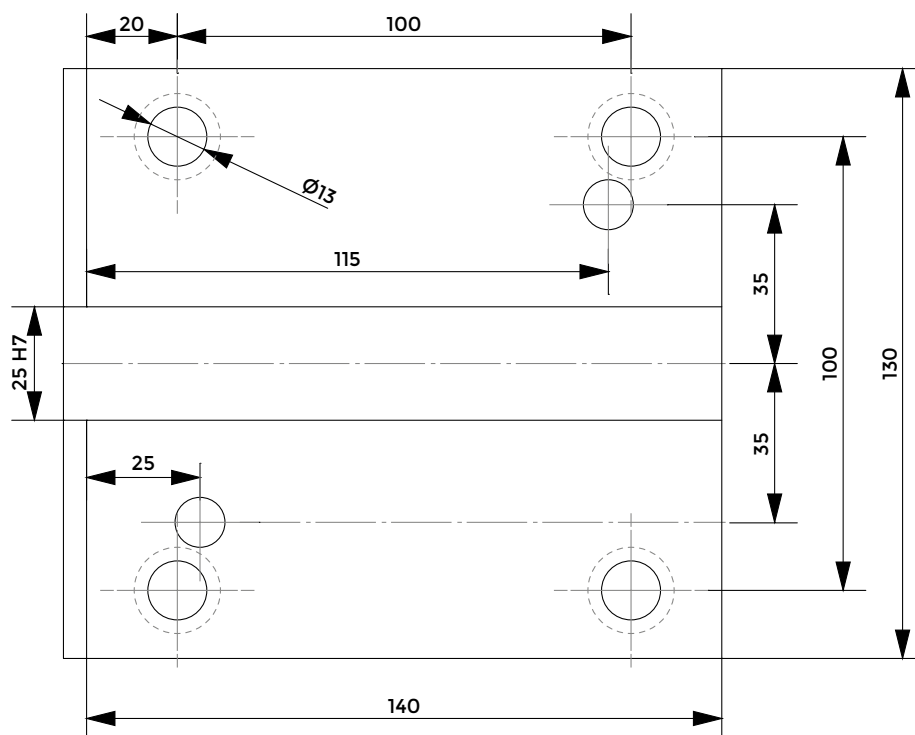
128-12519 C63

**POLYGONAL
TOOL HOLDER**

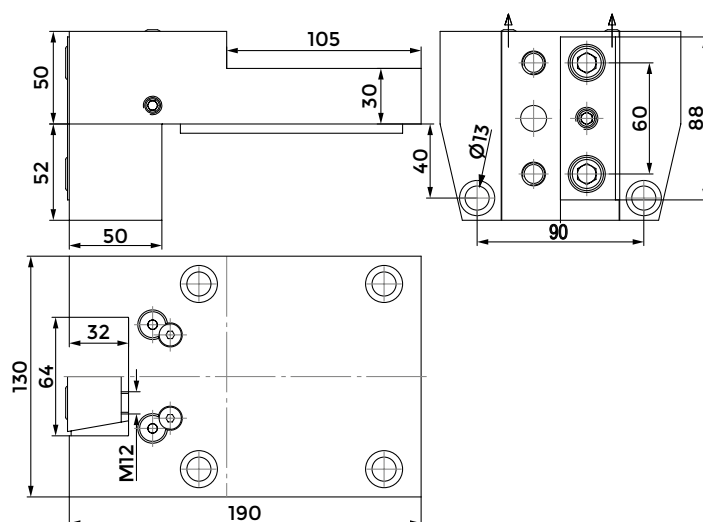
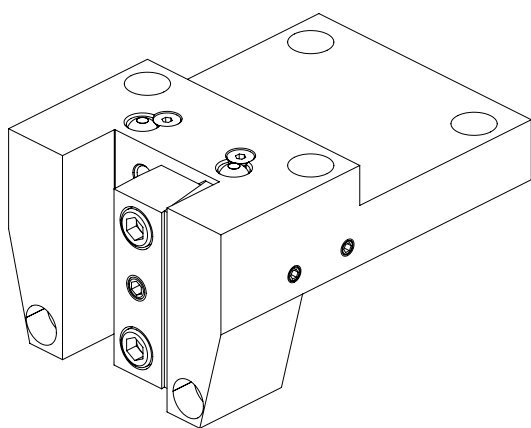


128-12520 C63

CONNECTION

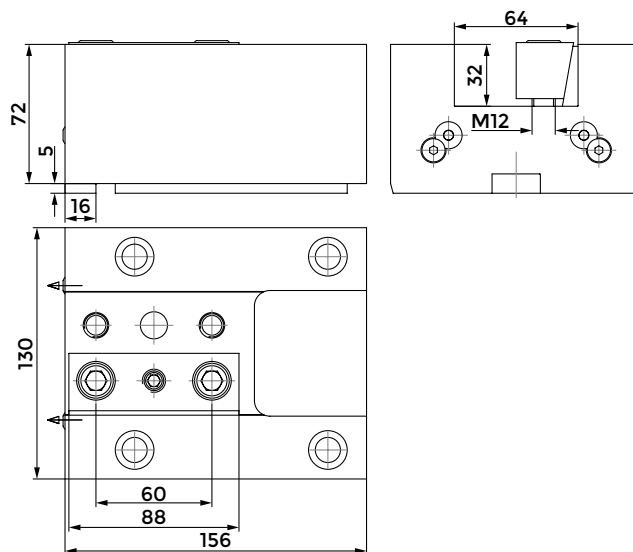
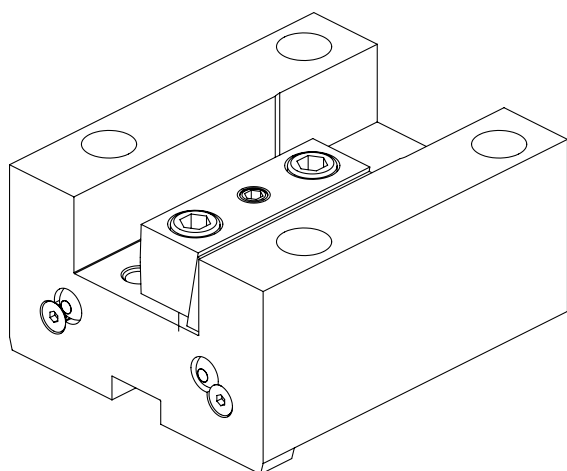


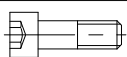
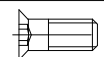
RADIAL TOOLHOLDER



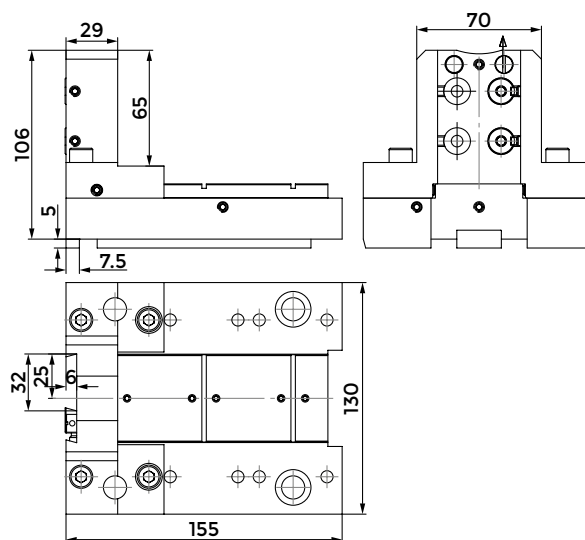
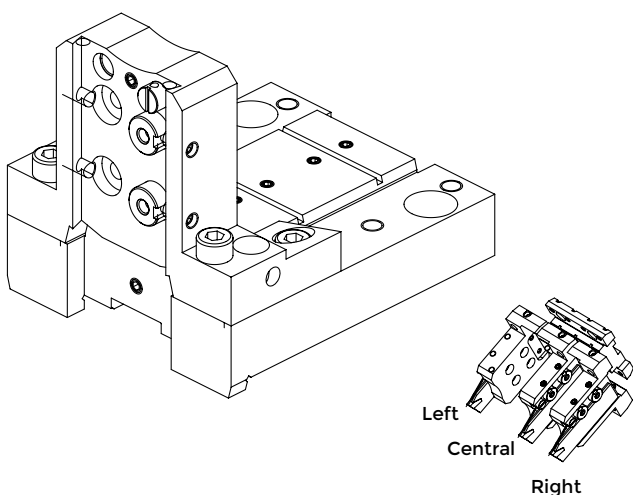
COD.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
128-42513	832-007170	814-203350	811-101027	833-001470	811-108018

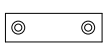
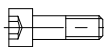
AXIAL TOOLHOLDER

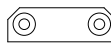
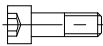


COD.	CLAMPING PLATE	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL
					
128-32509	832-007170	814-203350	811-101027	833-001470	811-108018

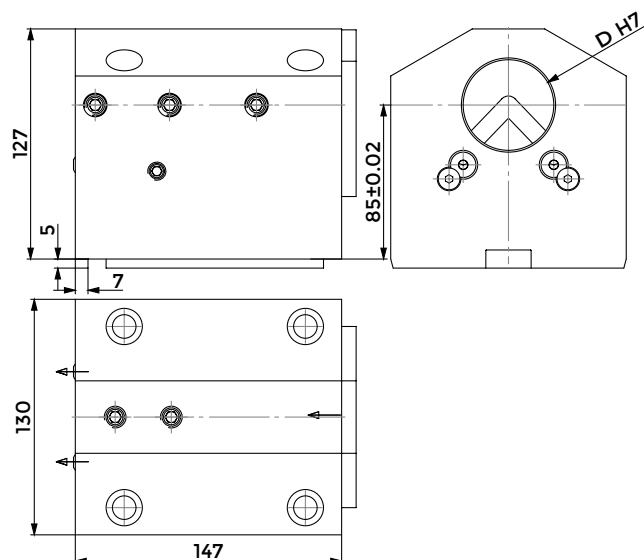
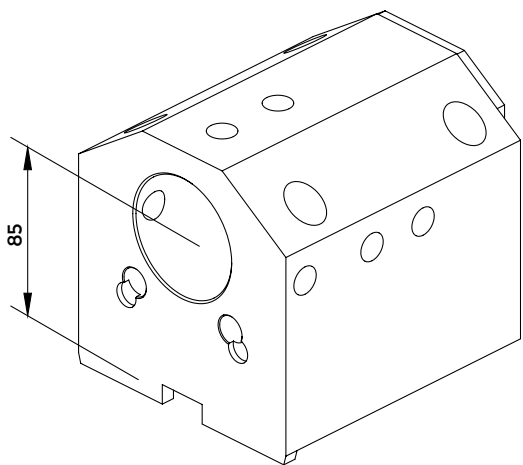
CUT-OFF HOLDER



COD.	KEY	SCREW FOR KEY	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY
					
128-12521	814-203350	811-101026	833-001490	823-101058	823-101061

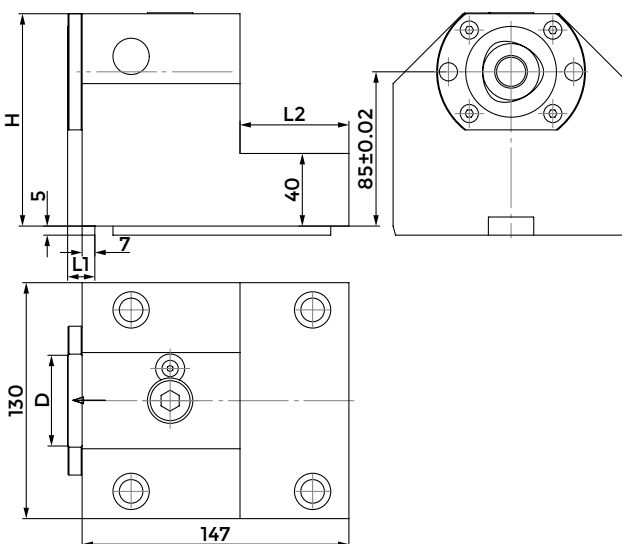
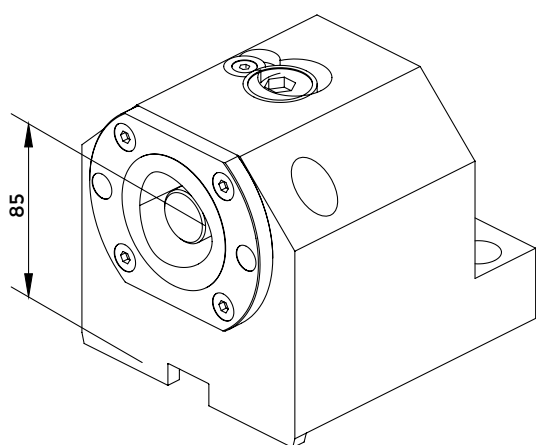
COD.	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN	SPRING	CLAMPING SCREW	SCREW
						
128-12521	832-014449	811-108037	832-014450	824-300012	811-101029	811-104013

COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



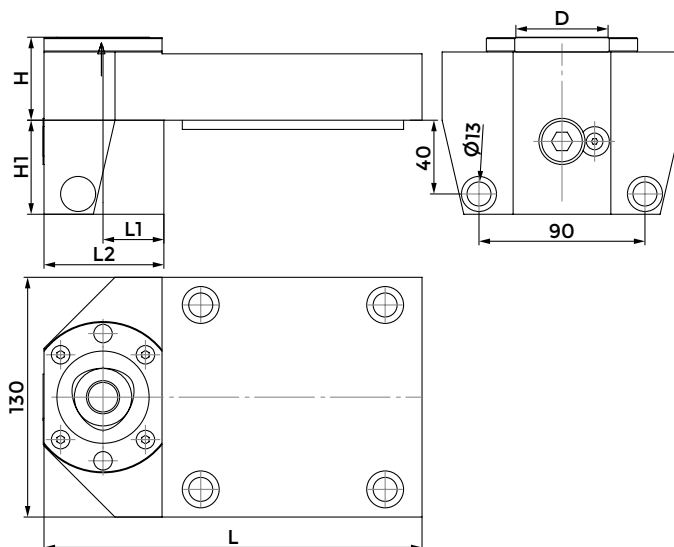
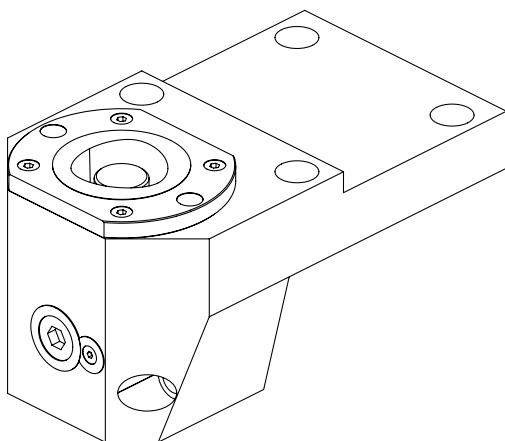
COD.	D	CLAMPING SCREW 1 (M12X35)	CLAMPING SCREW 2 (D50-M12x16) (D60-M12x12)	KEY	SCREW FOR KEY	COOLANT BALL	SCREW FOR BALL	COVER	SCREW FOR COVER
128-22528	50	811-102047	811-102043	814-203350	811-101027	833-001470	811-108018	832-003389	811-101016
128-22529	60	811-102047	811-102064	814-203350	811-101027	833-001470	811-108018	832-003389	811-101016

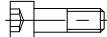
POLYGONAL TOOLHOLDER



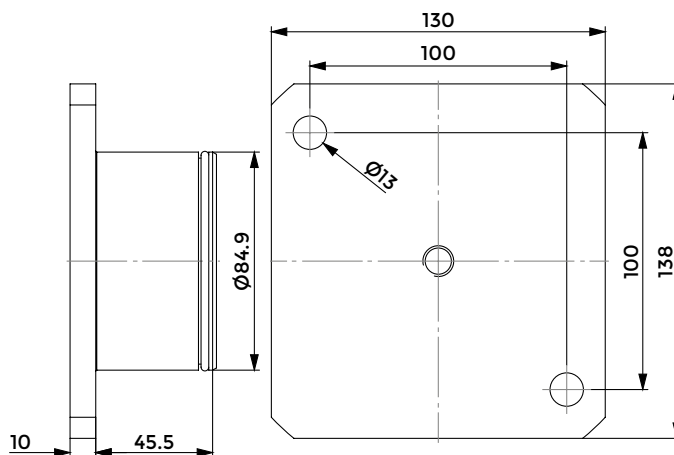
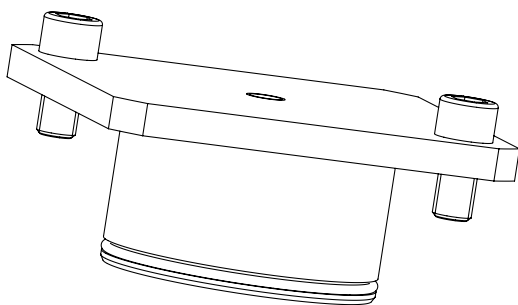
COD.	POLYGONAL	D	H	L1	L2	CLAMPING UNIT	KEY	SCREW FOR KEY
128-12519	C63	63	127	16	39	CXC63-10	814-203350	811-101027

POLYGONAL TOOLHOLDER



COD.	POLYGONAL	D	H	H1	L	L1	L2	CLAMPING UNIT	KEY	SCREW FOR KEY
128-12520	C63	63	50	67	225	43	85	CXC63-10		
									814-203350	811-101027

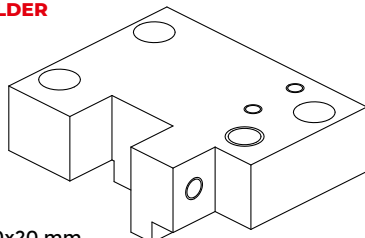
PROTECTION COVER



COD.	O RING
137-00256	
	823-101116

MAZAK NEXUS - SQT100/150

**FACE AND O.D.
CUTTING HOLDER**



123-33801 - 20x20 mm

QUALIFIED TOOL



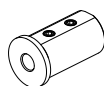
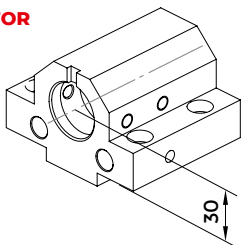
ACCESSORIES

BORING BAR SLEEVE

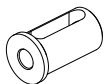
p. 707

**TOOLHOLDER FOR
BORING BAR**

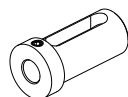
121-23801
Ø32 mm



9607 (Ø8 mm)
9608 (Ø10 mm)
9609 (Ø12 mm)



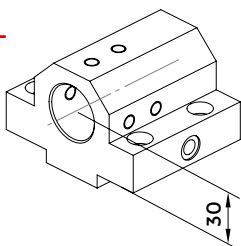
9611 (Ø16 mm)
9613 (Ø20 mm)
9614 (Ø25 mm)



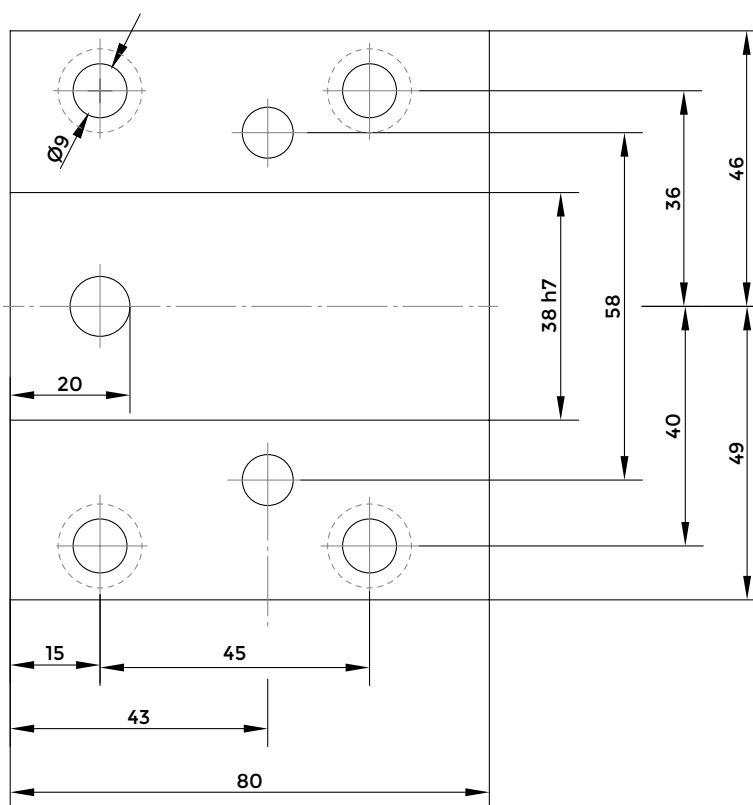
8764 (Ø16 mm)
8766 (Ø20 mm)
8767 (Ø25 mm)

**COMBI
TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR
AND INSERT
DRILL**

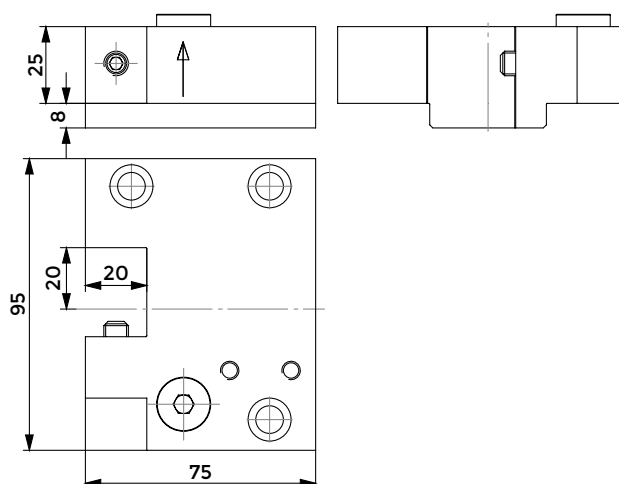
121-23802
Ø32 mm



CONNECTION

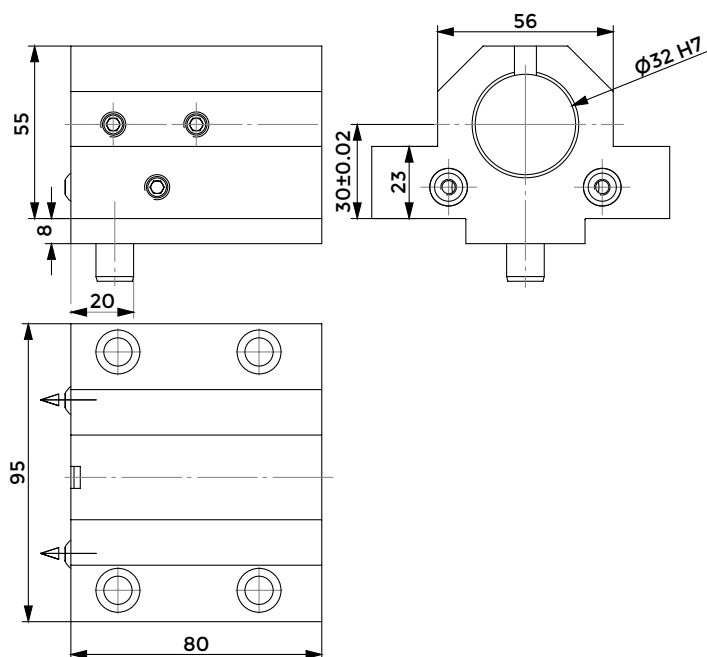


RADIAL TOOLHOLDER



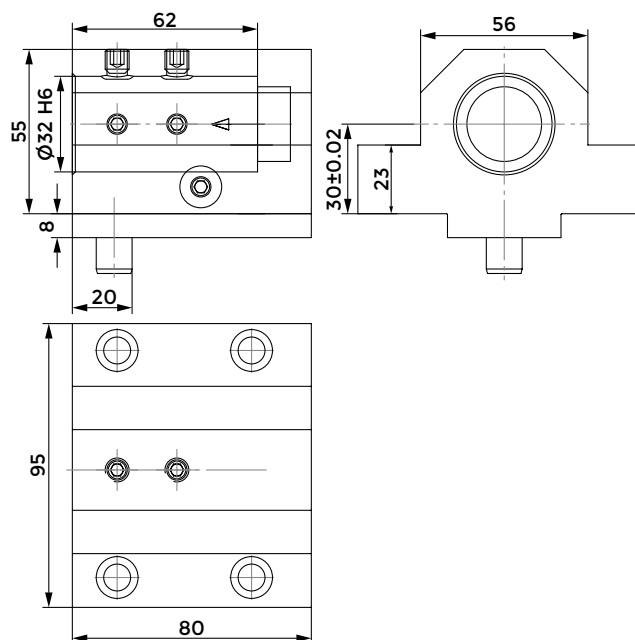
COD.	CLAMPING SCREW	SCREW
123-33801	 811-102031	 811-302110

TOOLHOLDER FOR BORING BAR



COD.	CLAMPING SCREW	PIN	COOLANT NOZZLE
121-23801	811-102028	815-210610	833-001080

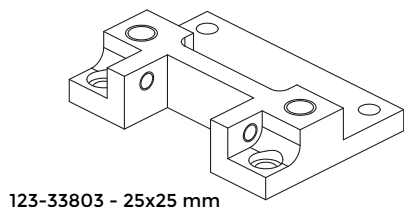
TOOLHOLDER FOR INSERT DRILL WITH INTERNAL COOLANT



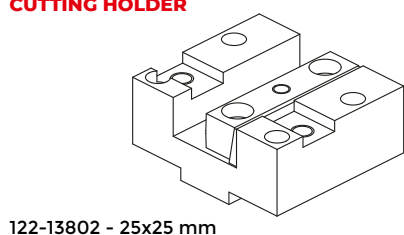
COD.	CLAMPING SCREW 1 (M8X12)	CLAMPING SCREW 2 (M8X8)	PIN
121-23802	811-102028	811-102026	815-210610

MAZAK NEXUS - QTN 200/250

**FACE AND O.D.
CUTTING HOLDER**



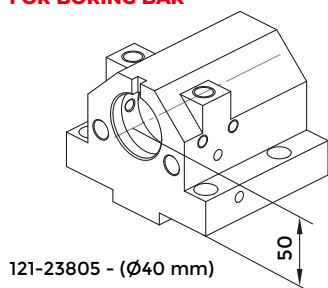
**FACE AND O.D.
CUTTING HOLDER**



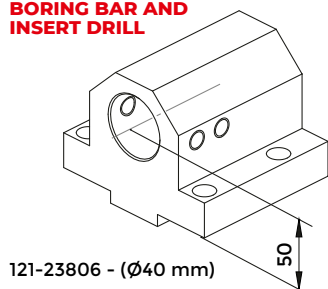
QUALIFIED TOOL



**TOOLHOLDER
FOR BORING BAR**



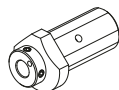
**COMBI TOOLHOLDER
WITH INTERNAL
COOLANT FOR
BORING BAR AND
INSERT DRILL**



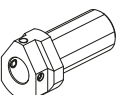
ACCESSORIES

BORING BAR SLEEVE

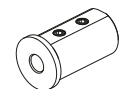
p. 707



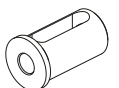
5581 (Ø8 mm)
5582 (Ø10 mm)
5583 (Ø12 mm)
5585 (Ø16 mm)
5587 (Ø20 mm)



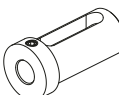
5594 (Ø25 mm)
5595 (Ø32 mm)



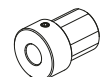
9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)



9619 (Ø16 mm)
9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)



8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

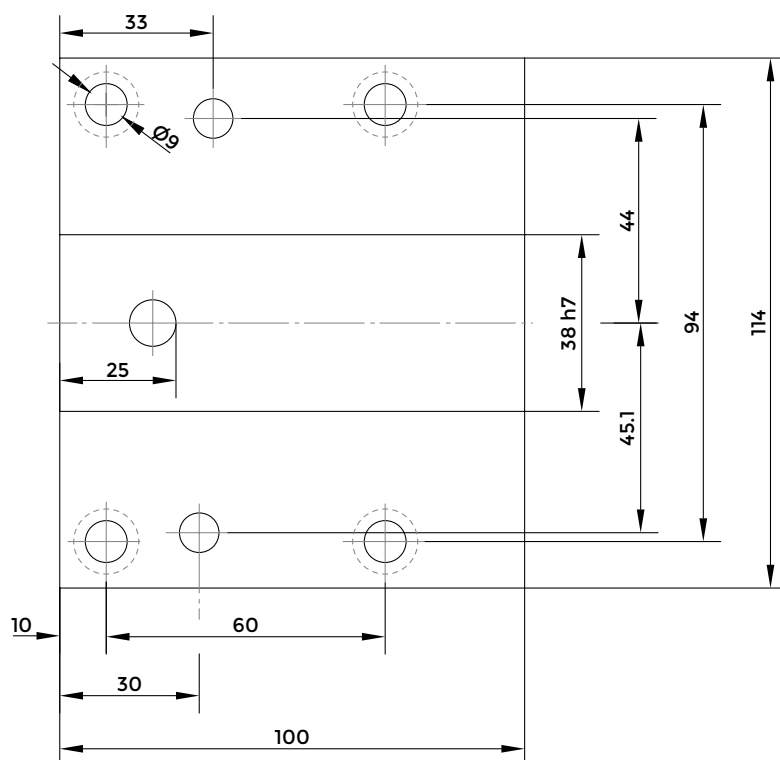


5596 (Ø20 mm)
5597 (Ø25 mm)
5598 (Ø32 mm)

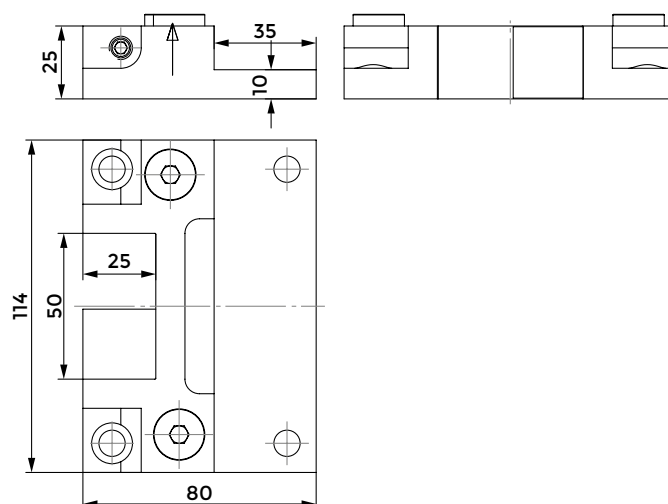
FAST-IN p. 490
DRIVEN TOOLS p. 298



CONNECTION

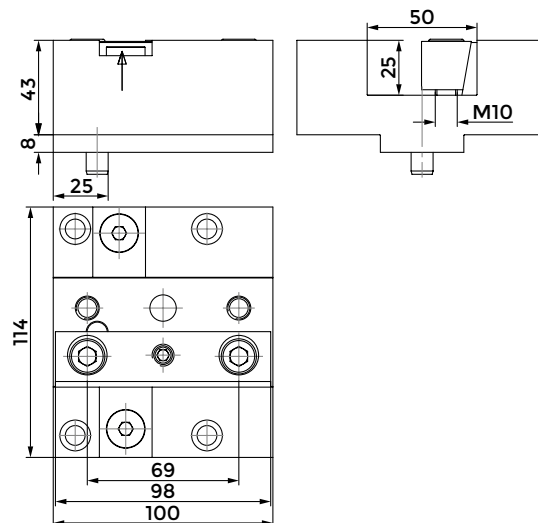


RADIAL TOOLHOLDER



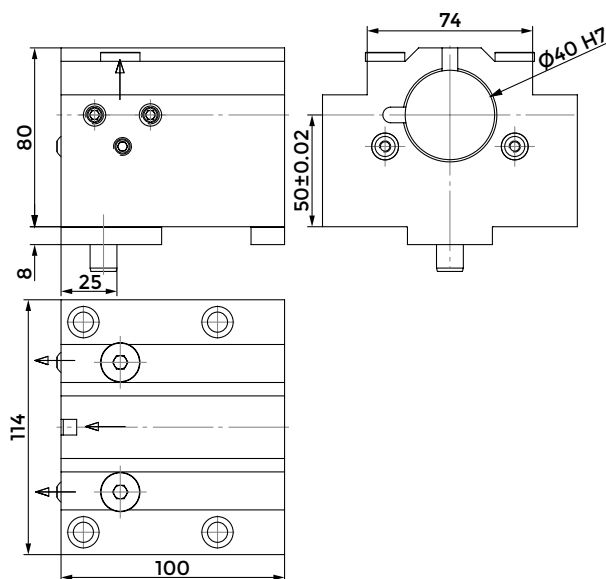
COD.	CLAMPING SCREW	CLAMPING PLATE	SCREW
123-33803			
123-33803	811-102027	832-002170	811-302110

AXIAL TOOLHOLDER



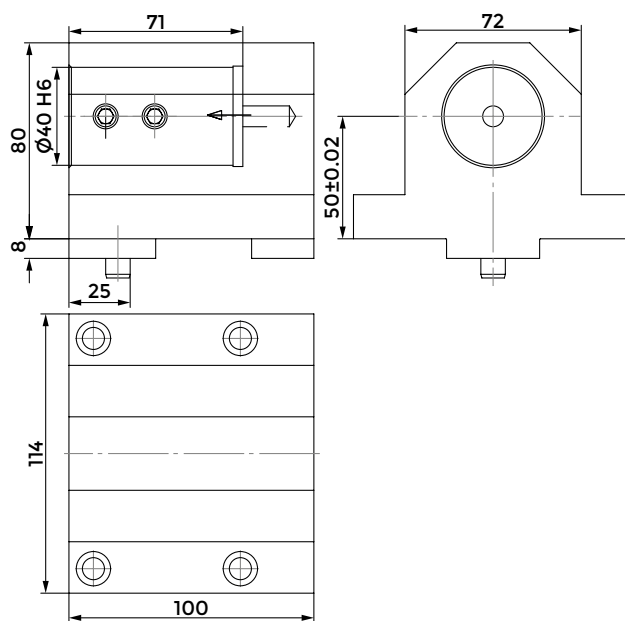
COD.	CLAMPING SCREW	PIN	SCREW
			
122-13802	832-007220	815-210620	811-302110

TOOLHOLDER FOR BORING BAR Ø40



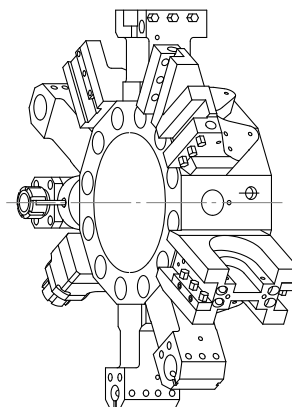
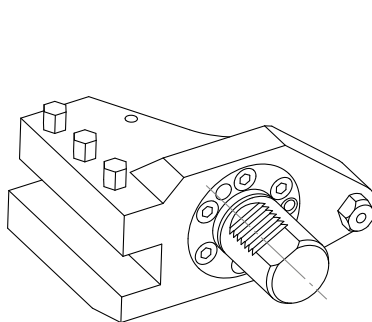
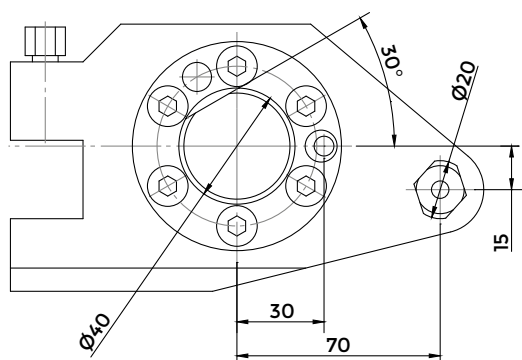
COD.	CLAMPING SCREW	PIN	SCREW	COOLANT NOZZLE
				
121-23805	811-102030	815-210610	811-302110	833-001080

TOOLHOLDER FOR INSERT DRILL WITH INTERNAL COOLANT



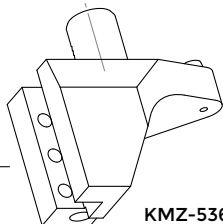
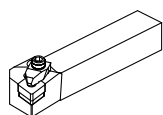
COD.	CLAMPING SCREW	SCREW
		
121-23806	811-102043	815-210620

MAZAK SQT - SQT 15 - SQT 18 M/MS - 12 stations - SQT 200, SQT 250 M/MS - 12 stations
MAZAK QTN (VDI40) - QTN 200 - QTN 250 M/MB/MS/MY/MSY - 12 stations

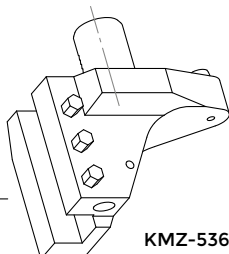


ACCESSORIES

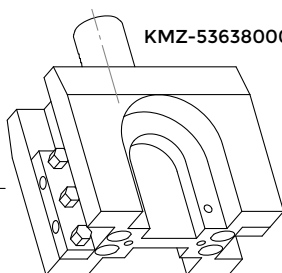
QUALIFIED TOOL



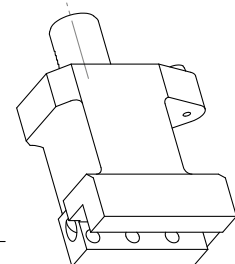
KMZ-53618000100



KMZ-53618000600



KMZ-53638000300

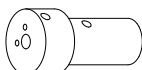


KMZ-53618000300

BORING BAR SLEEVE

p. 707

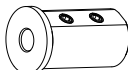
5581 (Ø8 mm)
 5582 (Ø10 mm)
 5583 (Ø12 mm)
 5585 (Ø16 mm)
 5587 (Ø20 mm)



5594 (Ø25 mm)
 5595 (Ø32 mm)



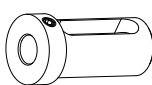
9615 (Ø8 mm)
 9616 (Ø10 mm)
 9617 (Ø12 mm)



9619 (Ø16 mm)
 9621 (Ø20 mm)
 9622 (Ø25 mm)
 9623 (Ø32 mm)



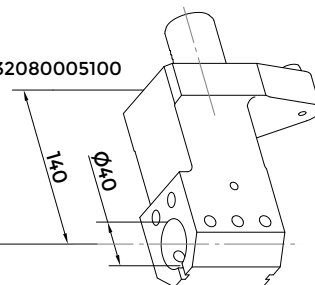
8768 (Ø16 mm)
 8770 (Ø20 mm)
 8771 (Ø25 mm)
 8772 (Ø32 mm)



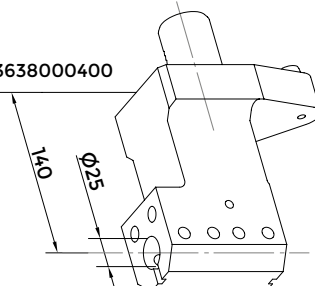
5596 (Ø20 mm)
 5597 (Ø25 mm)
 5598 (Ø32 mm)



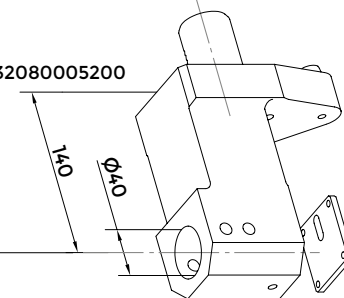
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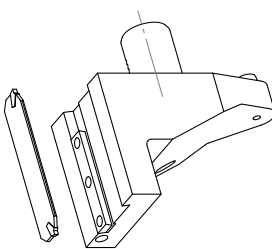
KMZ-53638000400



KMZ-532080005200



CUT-OFF TOOL



KMZ-53618000400

COLLET ER32

p. 326



116-54019

COLLET ER32

p. 326

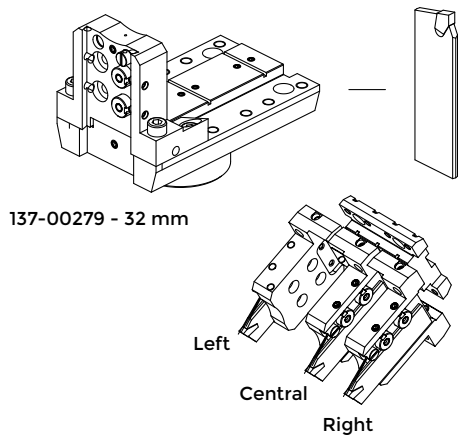


116-54020

MAZAK (BMT68) - QTC/QTU 100-350 M/MY/MS/MSY - QT/QTS 100-250 M/MY/MS/MSY - QT 200-250 M/MY/MS/MSY (16D)

CUT-OFF HOLDER

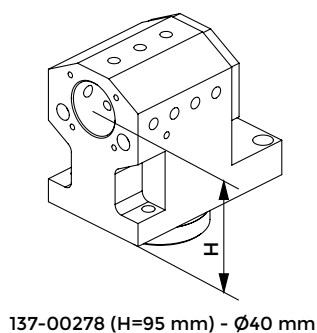
CUT-OFF TOOL



FAST-IN p. 490
DRIVEN TOOLS p. 298



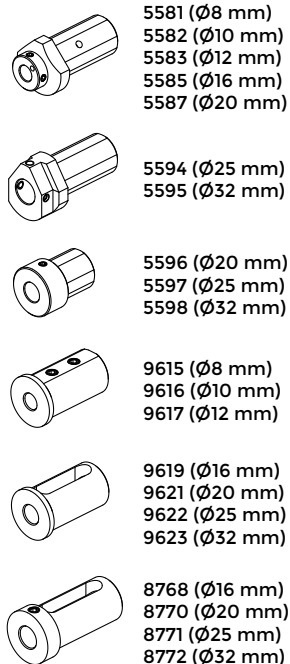
**COMBI TOOLHOLDER WITH
INTERNAL COOLANT FOR
BORING BAR AND INSERT DRILL**



ACCESSORIES

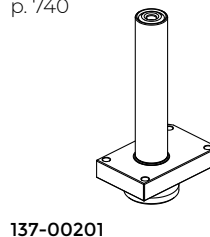
BORING BAR SLEEVE

p. 707

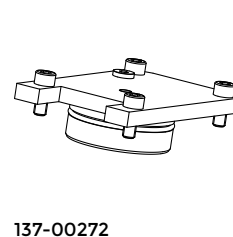


**CONTROL
PIN**

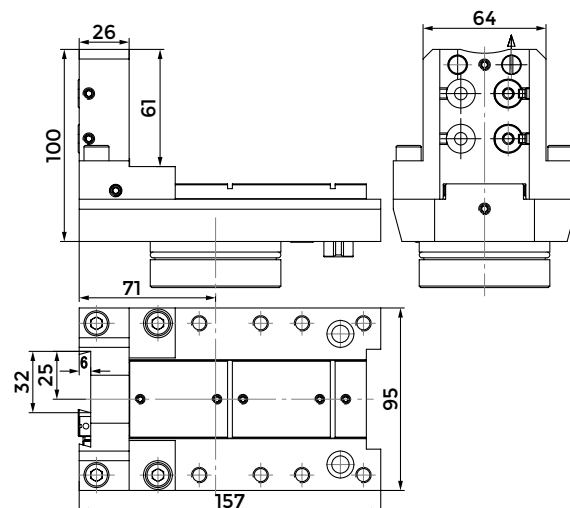
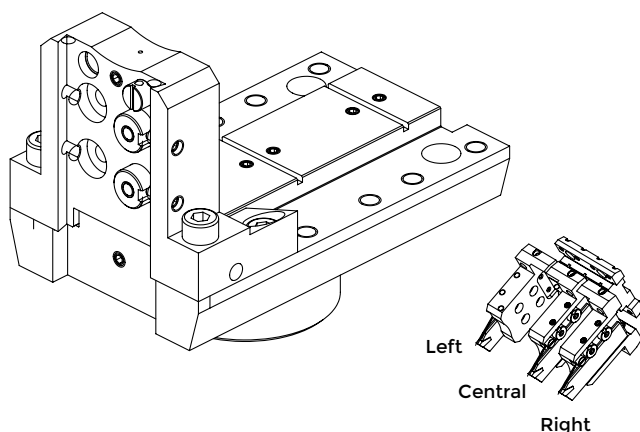
p. 740



**PROTECTION
COVER**



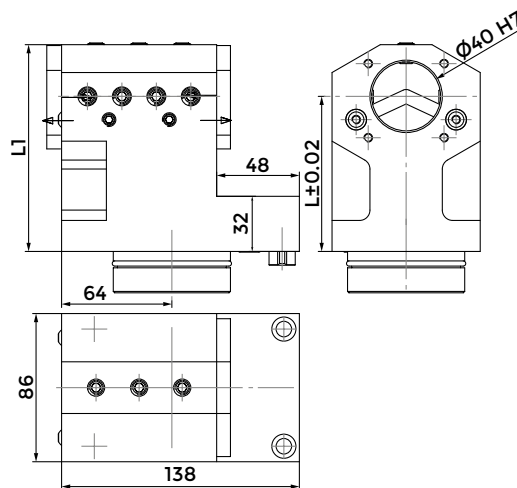
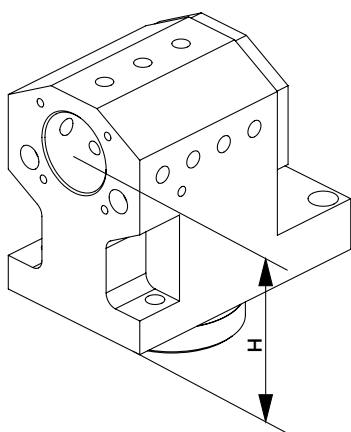
CUT-OFF HOLDER



COD.	COOLANT NOZZLE	O RING FOR COOLANT NOZZLE	O RING FOR BODY	O RING FOR INTERNAL COOLANT	PIN	SHIM PLATE	SCREW FOR PLATE	CLAMPING PIN
137-00279	833-001490	823-101058	823-101061	-	832-008064	832-014448	811-108037	832-014450

COD.	SPRING	CLAMPING SCREW	SCREW	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (62X3)	O RING FOR PIN (54X3)	O RING FOR COOLANT (9X2)
137-00279	824-300012	811-101029	811-104013	832-020711	811-101031	823-101124	823-101077	823-101015

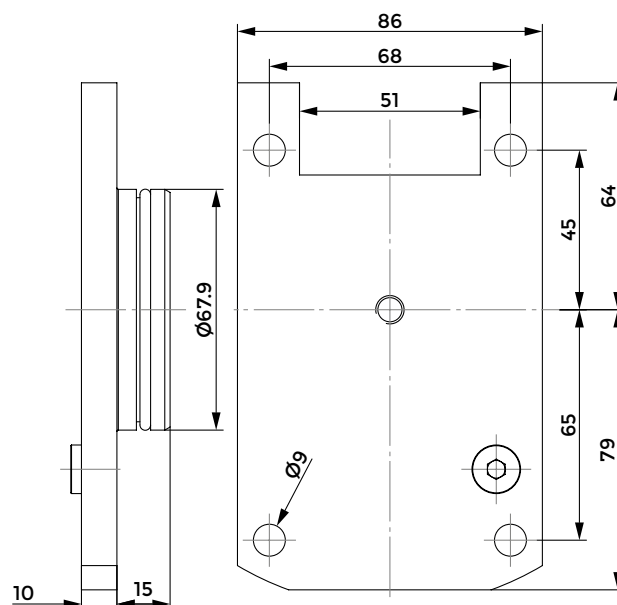
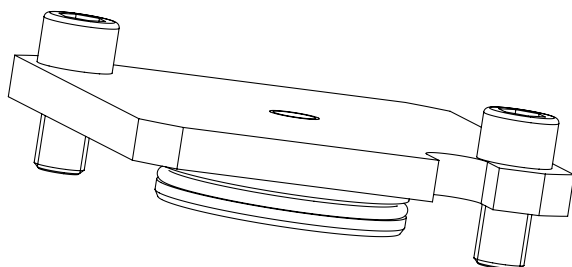
COMBI TOOLHOLDER WITH INTERNAL COOLANT FOR BORING BAR AND INSERT DRILL



COD.	L	L1	CLAMPING SCREW 1 (M10X20)	CLAMPING SCREW 1 (M10X12)	PIN	COOLANT NOZZLE	COVER FOR INTERNAL COOLANT
137-00278	95	125	811-102038	811-102036	832-008064	833-001080	832-003403

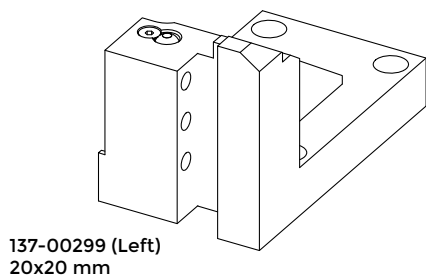
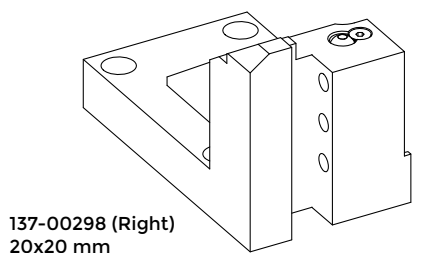
COD.	SCREW FOR COVER	CENTRAL PIN	SCREW FOR PIN	O RING FOR PIN (62X3)	O RING FOR PIN (54X3)	O RING FOR COOLANT (9X2)
137-00278	811-104013	832-020711	811-101031	823-101124	823-101077	823-101015

PROTECTION COVER

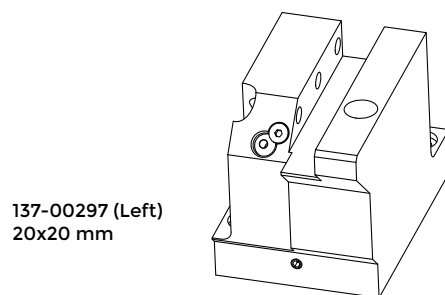
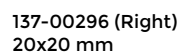


COD.	O RING	SCREW
137-00272	823-101124	811-302106

MAZAK MURATEC MW120 - MW 120 8ST - MS60 8ST - MJ60 8ST



QUALIFIED TOOL

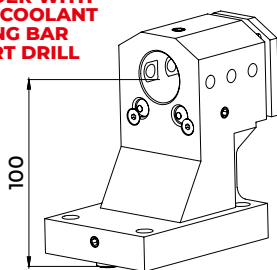


ACCESSORIES

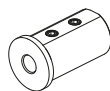
BORING BAR SLEEVE

p. 707

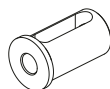
**COMBI
TOOLHOLDER WITH
INTERNAL COOLANT
FOR BORING BAR
AND INSERT DRILL**



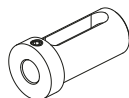
137-00300 - (Ø40 mm)



9616 (Ø10 mm)
9617 (Ø12 mm)

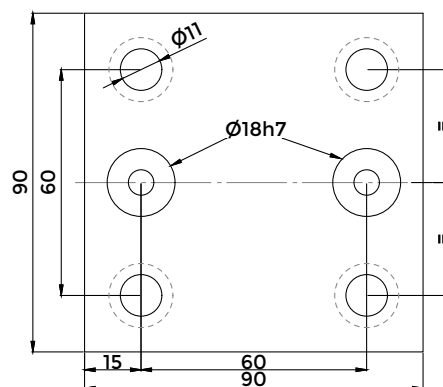


9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)

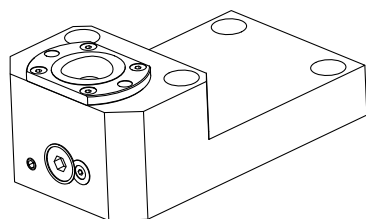


8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

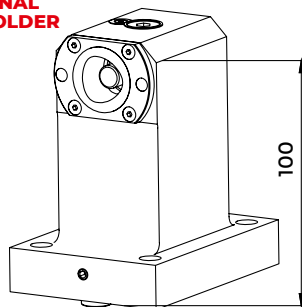
CONNECTION



**POLYGONAL
TOOL HOLDER**

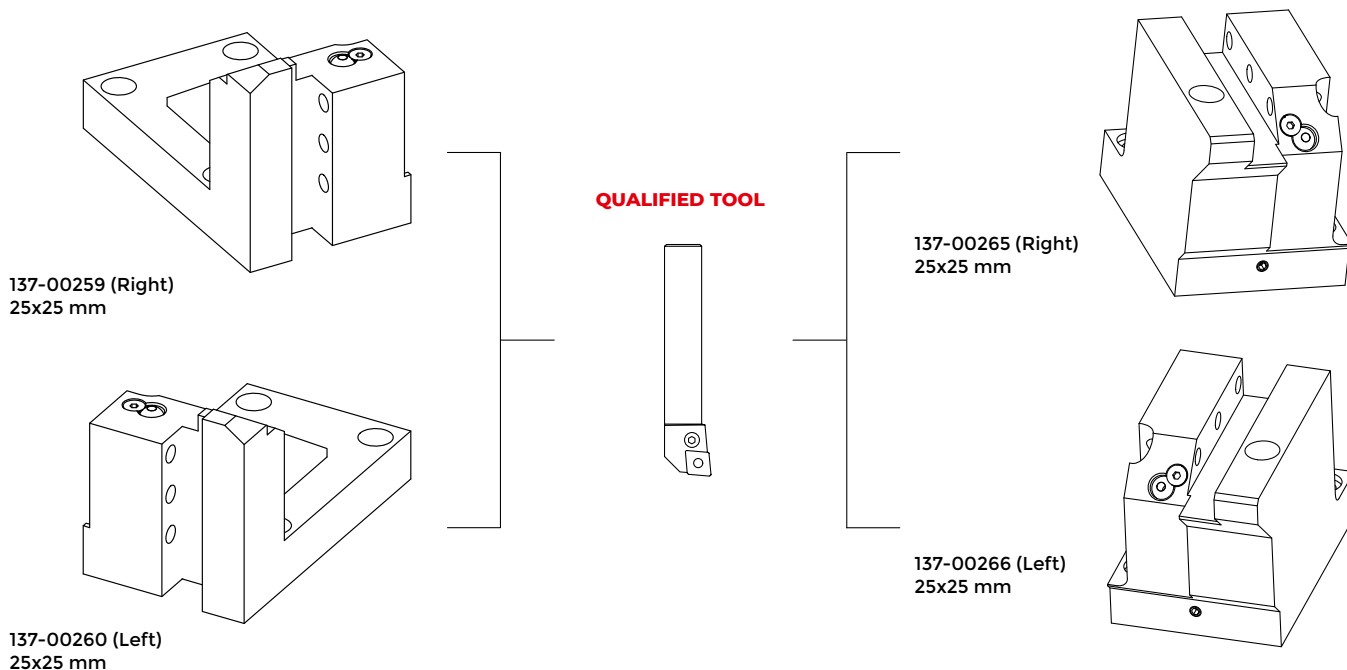


**POLYGONAL
TOOL HOLDER**



137-00263 C40
137-00313 C50

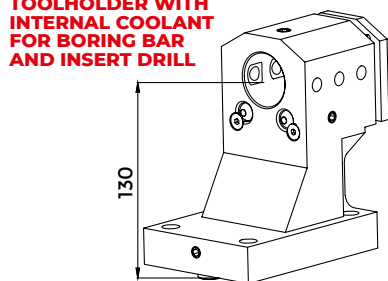
MAZAK MURATEC MW200 - MW 200 10ST - MW 180 10ST - MS100 10ST - MS90 10ST - MJ100 10ST



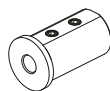
ACCESSORIES

BORING BAR SLEEVE
p. 707

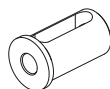
**COMBI
TOOLHOLDER WITH
INTERNAL COOLANT
FOR BORING BAR
AND INSERT DRILL**



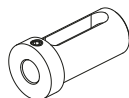
137-00271 - (Ø40 mm)



9615 (Ø8 mm)
9616 (Ø10 mm)
9617 (Ø12 mm)

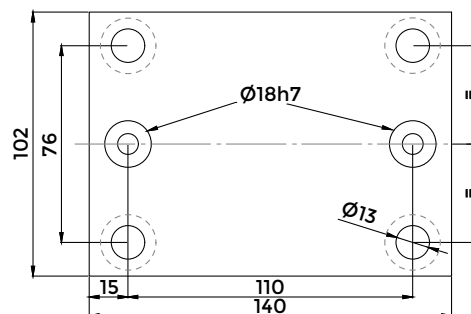


9619 (Ø16 mm)
9621 (Ø20 mm)
9622 (Ø25 mm)
9623 (Ø32 mm)

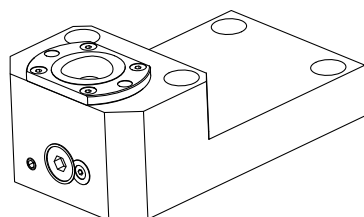


8768 (Ø16 mm)
8770 (Ø20 mm)
8771 (Ø25 mm)
8772 (Ø32 mm)

CONNECTION

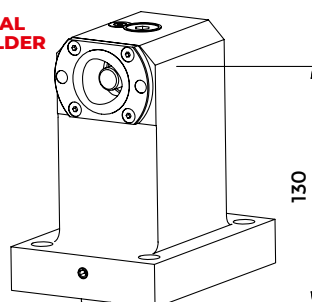


POLYGONAL TOOL HOLDER



137-00237 C40
137-00312 C50

**POLYGONAL
TOOL HOLDER**



137-00236 C40
137-00311 C50



READY, ALWAYS.