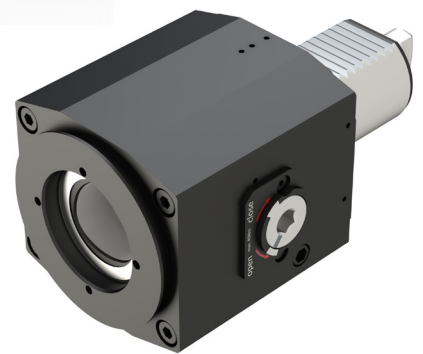
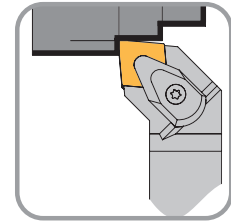


**KONRAD
TOOLS**



TOOLHOLDING

STATIC TOOLS

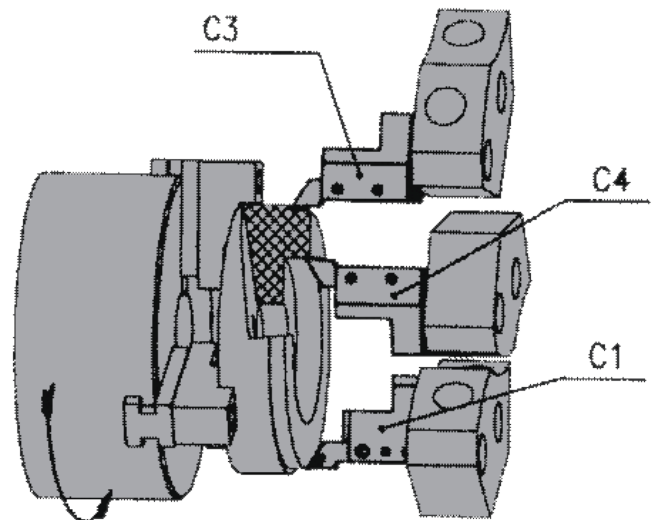
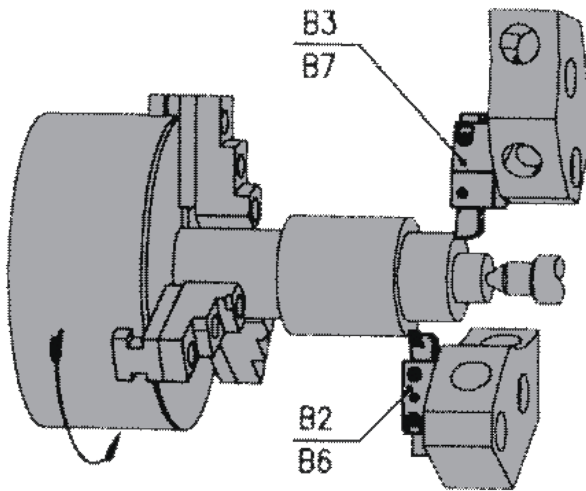
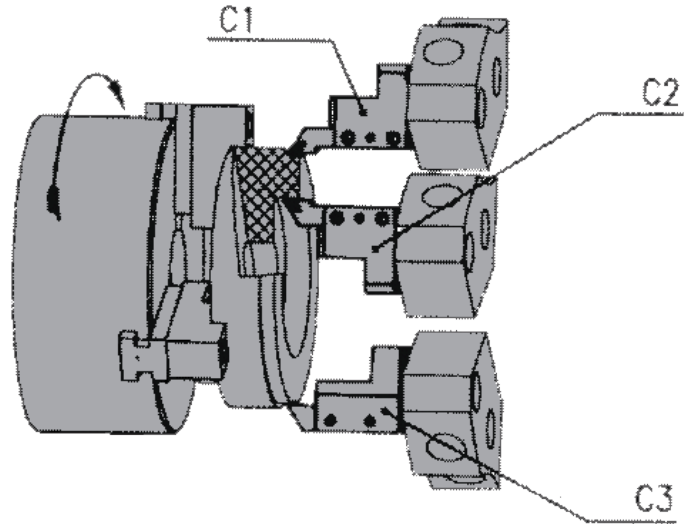
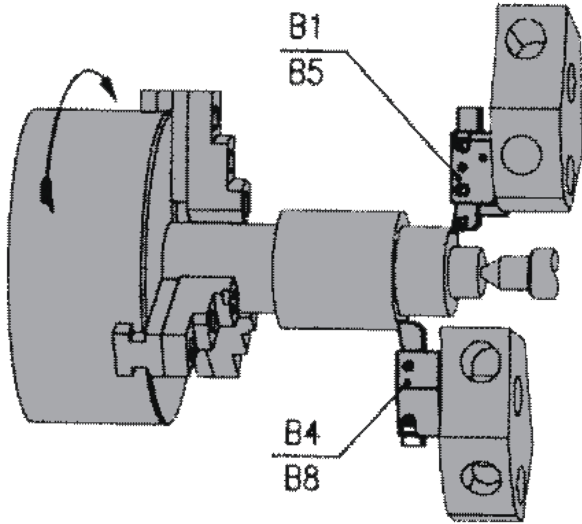


TURNING TOOL HOLDERS	FORM B	PAGE 4
	FORM C	PAGE 10 - 13
	FORM D	PAGE 14
BORING BAR HOLDERS	FORM E	PAGE 15 - 19
PSC (CAPTO COMPATIBLE)		PAGE 21 - 31

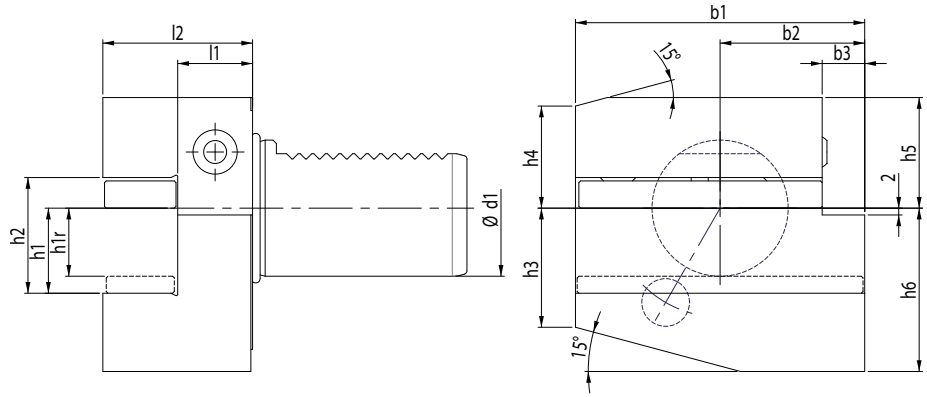
DRIVEN TOOLS



DIN 5480	AXIAL	PAGE 33 - 35
	RADIAL	PAGE 36 - 41
DIN 5482	AXIAL	PAGE 42 - 44
	RADIAL	PAGE 45 - 47
DIN 1809	AXIAL	PAGE 48 - 50
	RADIAL	PAGE 51 - 53
EMAG	AXIAL	PAGE 54 - 56
	RADIAL	PAGE 57 - 59
PSC (CAPTO COMPATIBLE)	AXIAL	PAGE 61 - 64
	RADIAL	PAGE 65 - 70

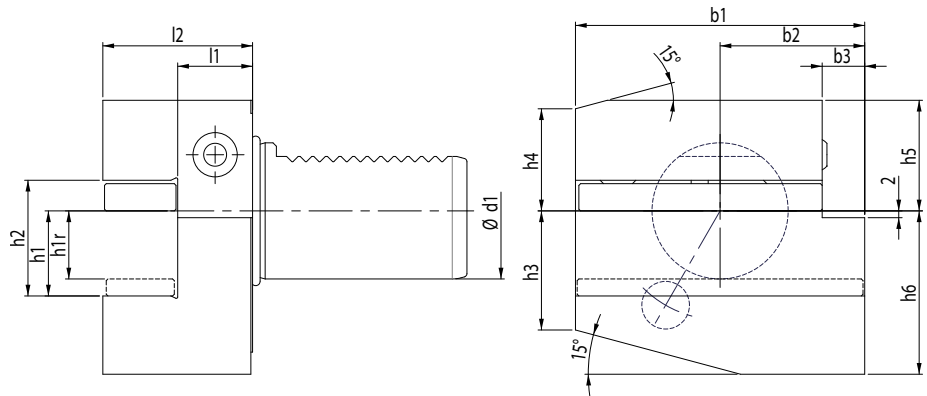


TURNING TOOL HOLDER RADIAL RIGHT SHORT - FORM B1



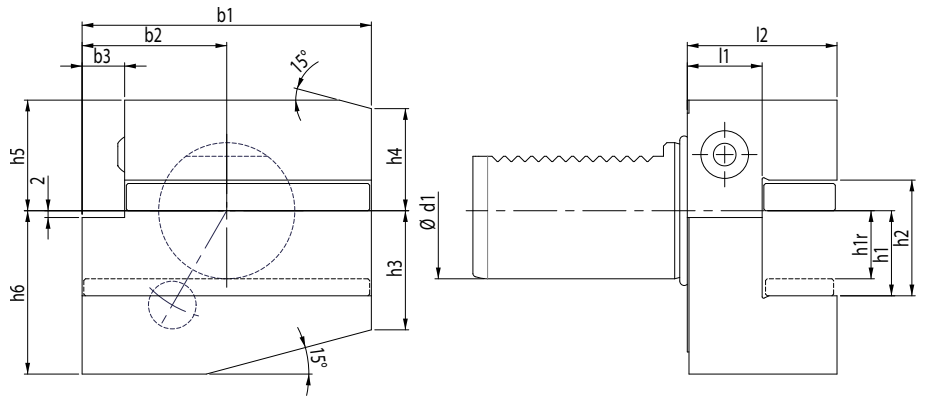
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B1.VDI16.12	16	42	23	5	12	15	15	20	22	19	13	24	30°
B1.VDI20.1612	20	55	30	7	16/12	19	19	25	30	23	16	30	30°
B1.VDI25.1612	25	55	30	7	16/12	22,5	22,5	25	30	25	16	30	30°
B1.VDI30.2016	30	70	35	10	20/16	26	22	28	38	30	22	40	25°
B1.VDI40.2520	40	85	42,5	12,5	25/20	35	30	32,5	48	-	22	44	-
B1.VDI50.3225	50	100	50	16	32/25	42	35	35	60	-	30	55	-
B1.VDI60.3225	60	125	62,5	16	32/25	46	42,5	42,5	62,5	-	30	60	-

TURNING TOOL HOLDER RADIAL RIGHT SHORT - FORM B1 WITH INTERNAL COOLING



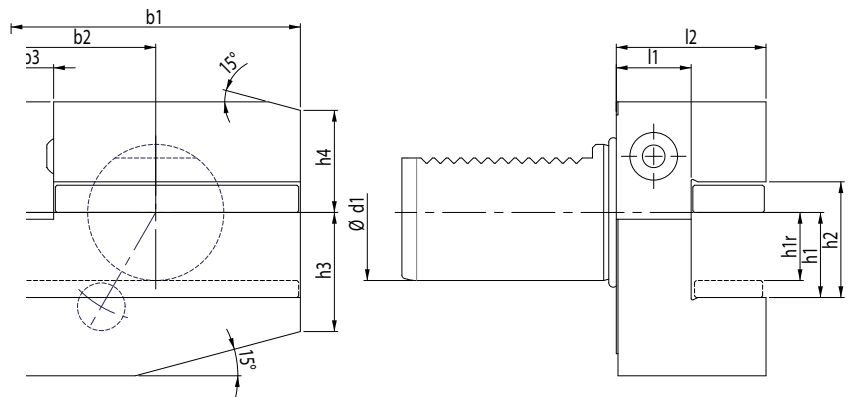
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B1.VDI30.20-IC													
B1.VDI40.25-IC													
B1.VDI50.32-IC													

TURNING TOOL HOLDER RADIAL LEFT SHORT- FORM B2



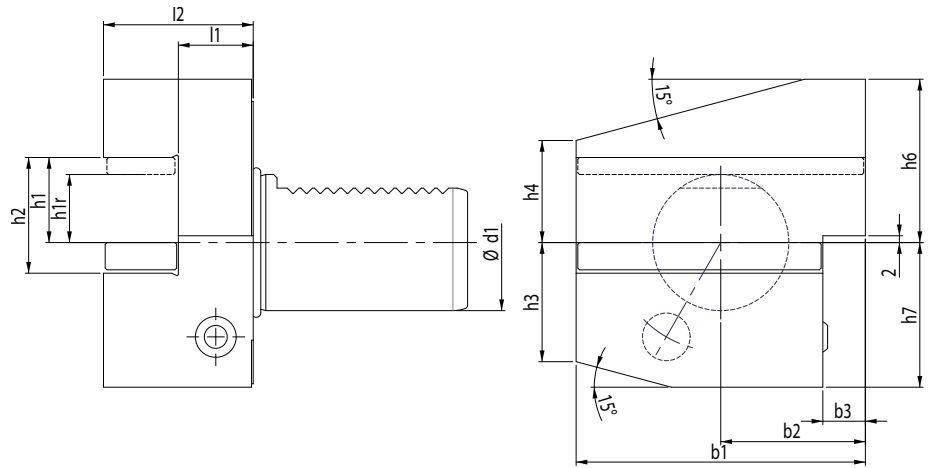
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B2.VDI16.12	16	42	23	5	12	15	15	20	22	19	13	24	30°
B2.VDI20.1612	20	55	30	7	16/12	19	19	25	30	23	16	30	30°
B2.VDI25.1612	25	55	30	7	16/12	22,5	22,5	25	30	25	16	30	30°
B2.VDI30.2016	30	70	35	10	20/16	26	22	28	38	30	22	40	25°
B2.VDI40.2520	40	85	42,5	12,5	25/20	35	30	32,5	48	-	22	44	-
B2.VDI50.3225	50	100	50	16	32/25	42	35	35	60	-	30	55	-
B2.VDI60.3225	60	125	62,5	16	32/25	46	42,5	42,5	62,5	-	30	60	-

TURNING TOOL HOLDER RADIAL RIGHT SHORT - FORM B2 WITH INTERNAL COOLING



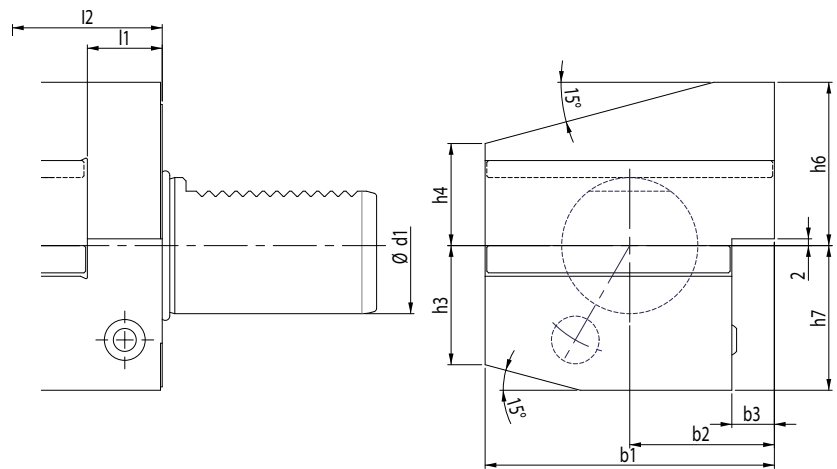
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B2.VDI30.20-IC													
B2.VDI40.25-IC													
B2.VDI50.32-IC													

TURNING TOOL HOLDER RADIAL RIGHT SHORT OVERHEAD - FORM B3



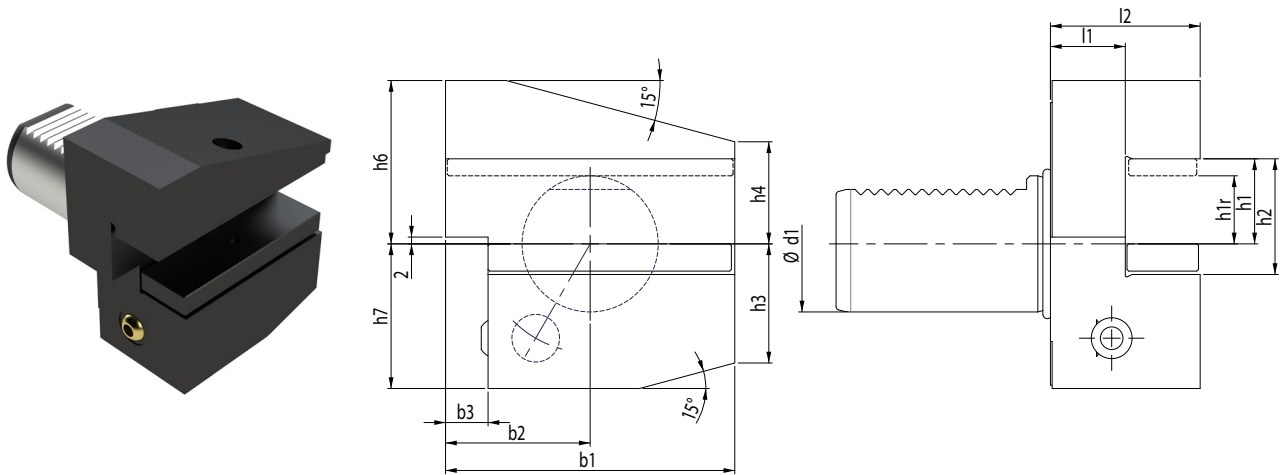
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B3.VDI16.12	16	42	23	5	12	15	15	22	20	19	13	24	30°
B3.VDI20.1612	20	55	30	7	16/12	19	19	30	25	23	16	30	30°
B3.VDI25.1612	25	55	30	7	16/12	22,5	22,5	30	25	25	16	30	30°
B3.VDI30.2016	30	70	35	10	20/16	26	22	38	35	28	22	40	25°
B3.VDI40.2520	40	85	42,5	12,5	25/20	35	30	48	42,5	-	22	44	-
B3.VDI50.3225	50	100	50	16	32/25	42	35	60	50	-	30	55	-
B3.VDI60.3225	60	125	62,5	16	32/25	46	42,5	62,5	62,5	-	30	60	-

TURNING TOOL HOLDER RADIAL RIGHT OVERHEAD - FORM B3 WITH INTERNAL COOLANT



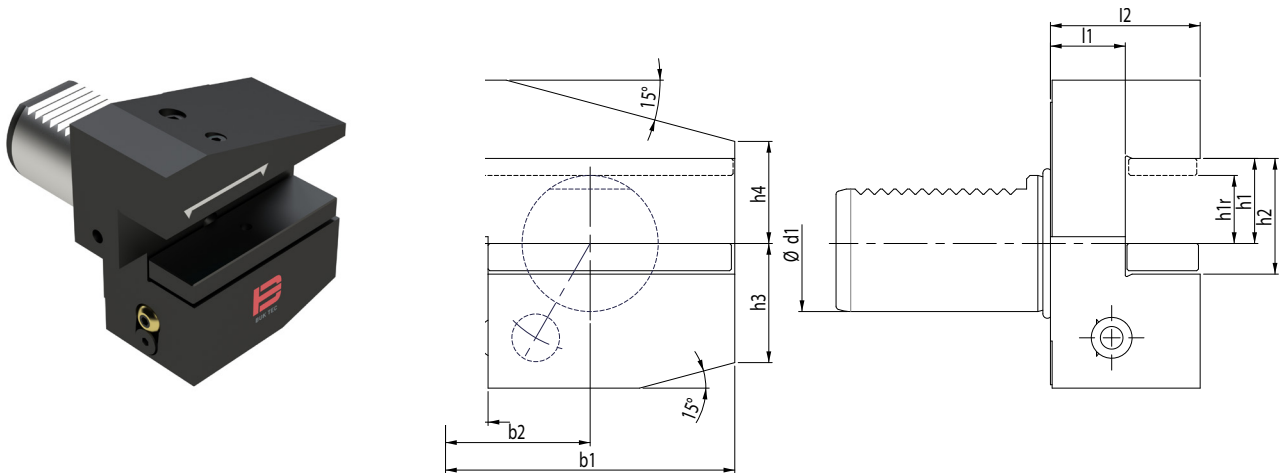
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B3.VDI30.20-IC													
B3.VDI40.25-IC													
B3.VDI50.32-IC													

TURNING TOOL HOLDER RADIAL LEFT SHORT OVERHEAD - FORM B4



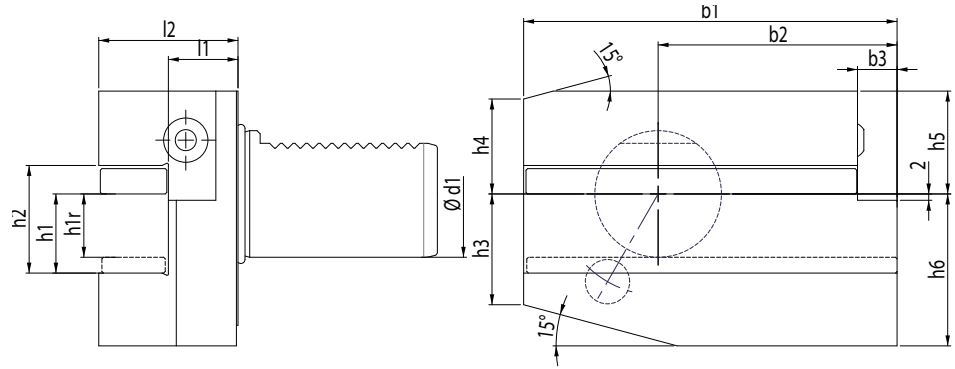
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B4.VDI16.12	16	42	23	5	12	15	15	22	20	19	13	24	30°
B4.VDI20.1612	20	55	30	7	16/12	19	19	30	25	23	16	30	30°
B4.VDI25.1612	25	55	30	7	16/12	22,5	22,5	30	25	25	16	30	30°
B4.VDI30.2016	30	70	35	10	20/16	26	22	38	35	28	22	40	25°
B4.VDI40.2520	40	85	42,5	12,5	25/20	35	30	48	42,5	-	22	44	-
B4.VDI50.3225	50	100	50	16	32/25	42	35	60	50	-	30	55	-
B4.VDI60.3225	60	125	62,5	16	32/25	46	42,5	62,5	62,5	-	30	60	-

TURNING TOOL HOLDER RADIAL LEFT OVERHEAD - FORM B4 WITH INTERNAL COOLANT



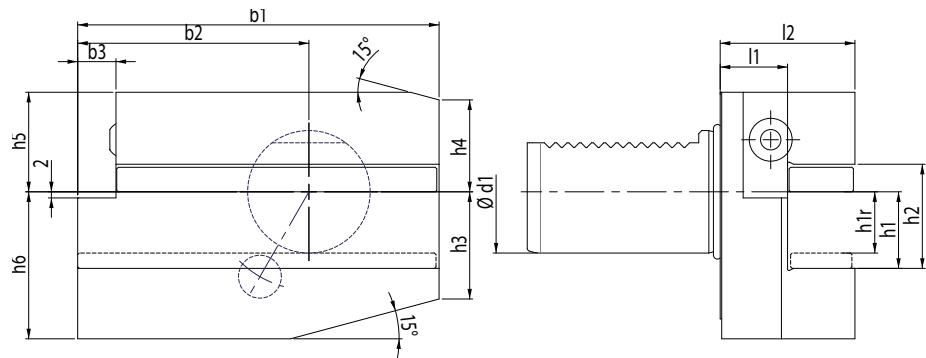
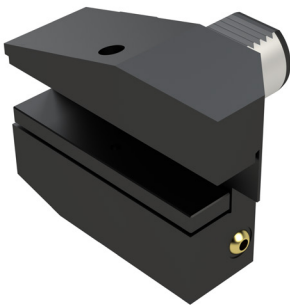
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B4.VDI30.20-IC													
B4.VDI40.25-IC													
B4.VDI50.32-IC													

TURNING TOOL HOLDER RADIAL RIGHT LONG - FORM B5



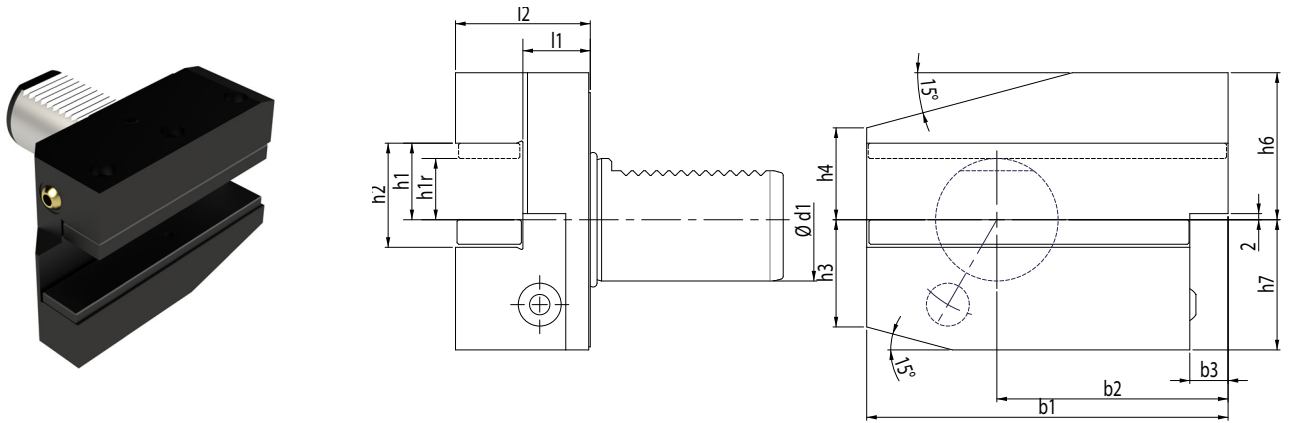
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B5.VDI16.12	16	58	39	5	12	15	15	20	22	19	13	24	30°
B5.VDI20.1612	20	75	50	7	16/12	19	19	25	30	23	16	30	30°
B5.VDI25.1612	25	75	50	7	16/12	22,5	22,5	25	30	25	16	30	30°
B5.VDI30.2016	30	100	65	10	20/16	26	22	28	38	30	22	40	25°
B5.VDI40.2520	40	118	75,5	12,5	25/20	35	30	32,5	48	-	22	44	-
B5.VDI50.3225	50	130	80	16	32/25	42	35	35	60	-	30	55	-
B5.VDI60.3225	60	145	82,5	16	32/25	46	42,5	42,5	62,54	-	30	60	-

TURNING TOOL HOLDER RADIAL LEFT LONG - FORM B6



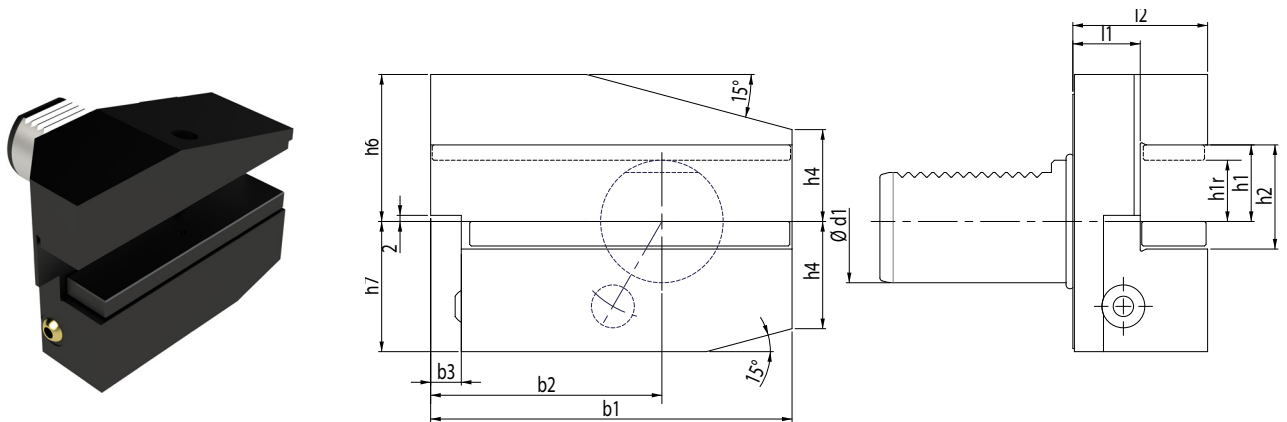
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B6.VDI16.12	16	58	39	5	12	15	15	20	22	19	13	24	30°
B6.VDI20.1612	20	75	50	7	16/12	19	19	25	30	23	16	30	30°
B6.VDI25.1612	25	75	50	7	16/12	22,5	22,5	25	30	25	16	30	30°
B6.VDI30.2016	30	100	65	10	20/16	26	22	28	38	30	22	40	25°
B6.VDI40.2520	40	118	75,5	12,5	25/20	35	30	32,5	48	-	22	44	-
B6.VDI50.3225	50	130	80	16	32/25	42	35	35	60	-	30	55	-
B6.VDI60.3225	60	145	82,5	16	32/25	46	42,5	42,5	62,5	-	30	60	-

TURNING TOOL HOLDER RADIAL RIGHT LONG OVERHEAD - FORM B7



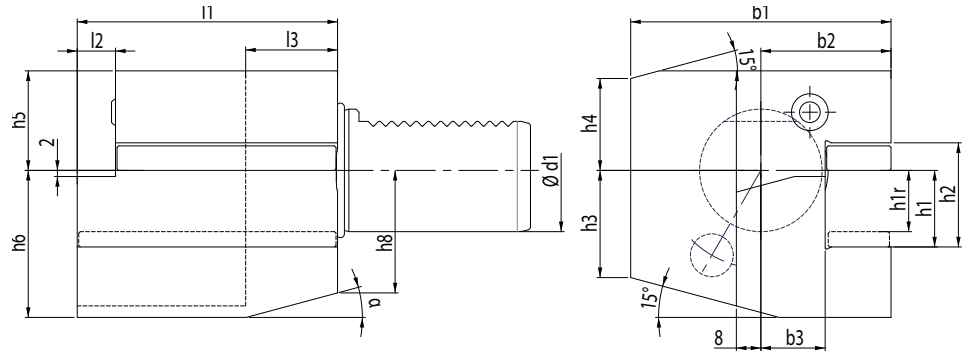
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B7.VDI16.12	16	58	39	5	12	15	15	22	20	19	13	24	30°
B7.VDI20.1612	20	75	50	7	16/12	19	19	30	25	23	16	30	30°
B7.VDI25.1612	25	75	50	7	16/12	22,5	22,5	30	25	25	16	30	30°
B7.VDI30.2016	30	100	65	10	20/16	26	22	38	35	28	22	40	25°
B7.VDI40.2520	40	118	75,5	12,5	25/20	35	30	48	42,5	-	22	44	-
B7.VDI50.3225	50	130	80	16	32/25	42	35	60	50	-	30	55	-
B7.VDI60.3225	60	145	82,5	16	32/25	46	42,5	62,5	62,5	-	30	60	-

TURNING TOOL HOLDER RADIAL LEFT LONG OVERHEAD - FORM B8



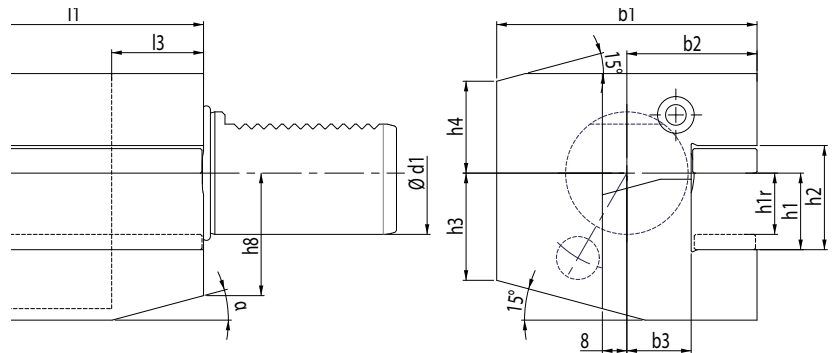
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	α
B8.VDI16.12	16	58	39	5	12	15	15	22	20	19	13	24	30°
B8.VDI20.1612	20	75	50	7	16/12	19	19	30	25	23	16	30	30°
B8.VDI25.1612	25	75	50	7	16/12	22,5	22,5	30	25	25	16	30	30°
B8.VDI30.20/16	30	100	65	10	20/16	26	22	38	35	28	22	40	25°
B8.VDI40.2520	40	118	75,5	12,5	25/20	35	30	48	42,5	-	22	44	-
B8.VDI50.3225	50	130	80	16	32/25	42	35	60	50	-	30	55	-
B8.VDI60.3225	60	145	82,5	16	32/25	46	42,5	62,5	62,5	-	30	60	-

TURNING TOOL HOLDER AXIAL RIGHT - FORM C1



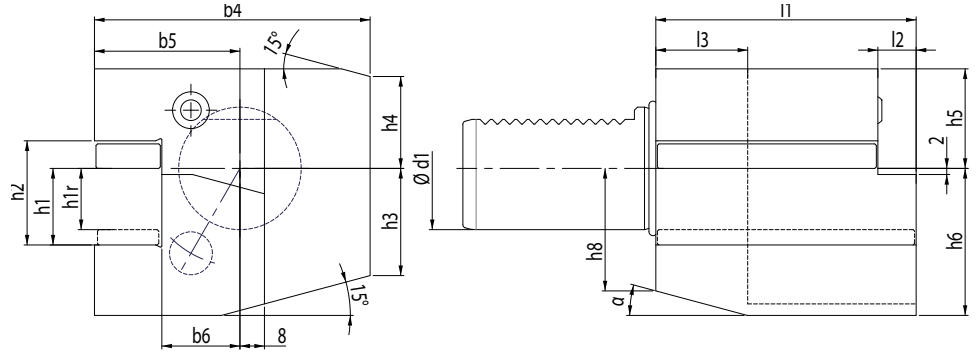
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	l ₃	α
C1.VDI16.12	16	43	24	13	12	15	15	20	22	19	44	5	20	30°
C1.VDI20.1612	20	52	27	13	16/12	19	19	25	30	23	55	7	30	30°
C1.VDI25.1612	25	58	33	19	16/12	22,5	22,5	25	30	25	55	7	20	30°
C1.VDI30.2016	30	70	35	17	20/16	26	22	28	38	30	70	10	30	25°
C1.VDI40.2520	40	85	42,5	21	25/20	35	30	32,5	48	40	85	12,5	30	15°
C1.VDI50.3225	50	100	50	26	32/25	42	35	35	60	-	100	16	40	-
C1.VDI60.3225	60	125	62,5	33	32/25	46	42,5	42,5	62,5	-	125	16	40	-

TURNING TOOL HOLDER AXIAL RIGHT - FORM C1 WITH INTERNAL COOLANT



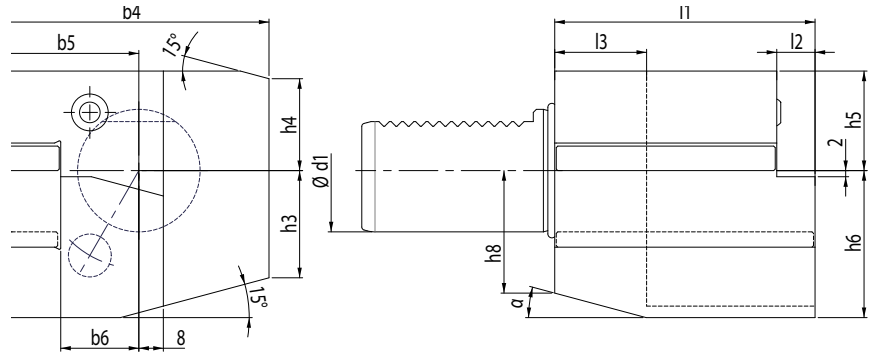
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	l ₃	α
C1.VDI30.20-IC														
C1.VDI40.25-IC														
C1.VDI50.32-IC														

TURNING TOOL HOLDER AXIAL LEFT - FORM C2



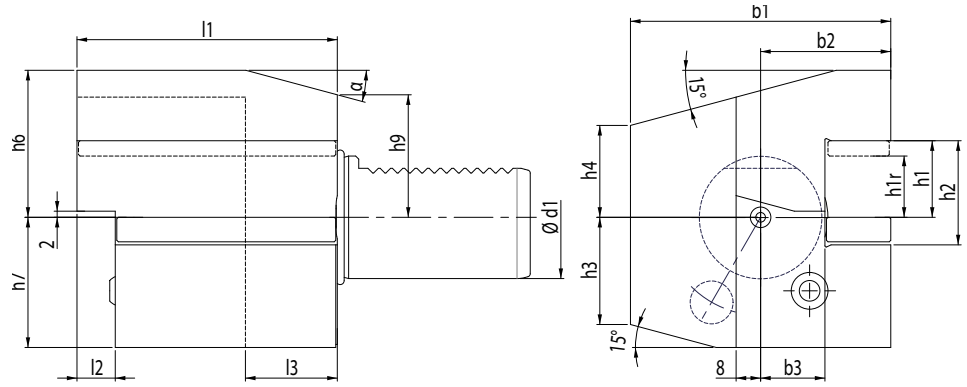
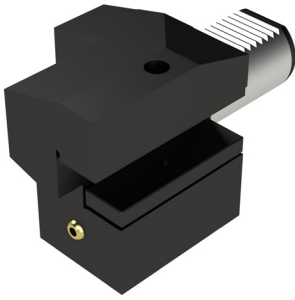
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	l ₃	α
C2.VDI20.1612	20	57	32	18	16/12	19	19	25	30	23	55	32	30	30°
C2.VDI25.1612	25	58	33	19	16/12	22,5	22,5	25	30	25	55	7	20	30°
C2.VDI30.2016	30	76	41	23	20/16	26	22	28	38	30	70	10	30	25°
C2.VDI40.2520	40	90	47,5	25,5	25/20	35	30	32,5	48	40	85	12,5	30	15°
C2.VDI50.3225	50	105	55	30,5	32/25	42	35	35	60	-	100	16	40	-
C2.VDI60.3225	60	125	62,5	33	32/25	46	42,5	42,5	62,5	-	125	16	40	-

TURNING TOOL HOLDER AXIAL LEFT - FORM C2 WITH INTERNAL COOLANT



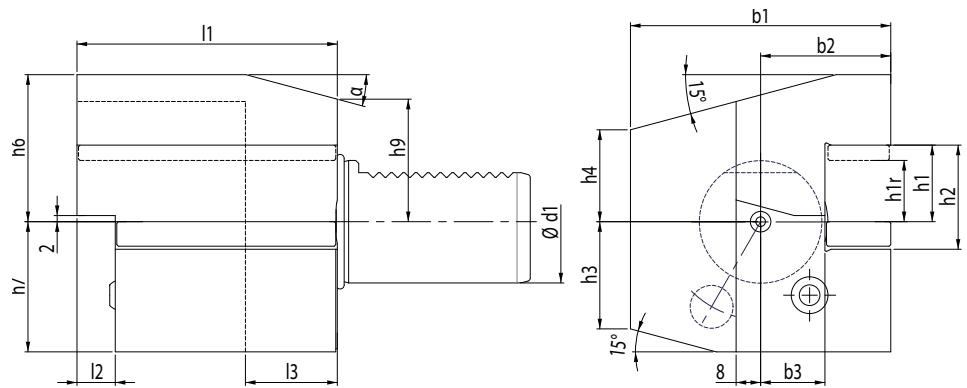
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	l ₃	α
C2.VDI30.20-IC														
C2.VDI40.25-IC														
C2.VDI50.32-IC														

TURNING TOOL HOLDER AXIAL RIGHT OVERHEAD - FORM C3



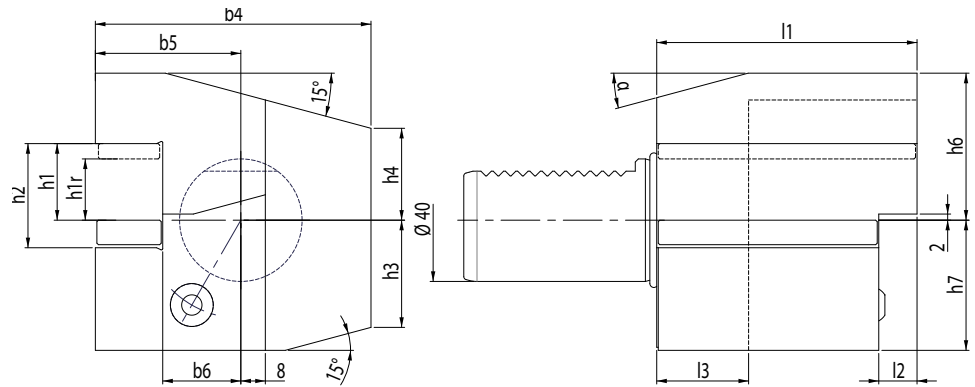
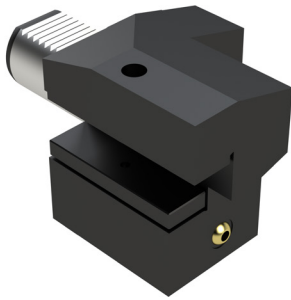
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	l ₃	α
C3.VDI16.12	16	43	24	13	12	15	15	22	20	19	44	5	20	30°
C3.VDI20.1612	20	52	27	13	16/12	19	19	30	25	23	55	7	30	30°
C3.VDI25.1612	25	58	33	19	16/12	22,5	22,5	30	25	25	55	7	20	30°
C3.VDI30.2016	30	70	35	17	20/16	26	22	38	35	28	70	10	30	25°
C3.VDI40.2520	40	85	42,5	21	25/20	35	30	48	42,5	40	85	12,5	30	15°
C3.VDI50.3225	50	100	50	26	32/25	42	35	60	50	-	100	16	40	-
C3.VDI60.3225	60	125	62,5	33	32/25	46	42,5	62,5	62,5	-	125	16	40	-

TURNING TOOL HOLDER AXIAL RIGHT OVERHEAD - FORM C3 WITH INTERNAL COOLANT



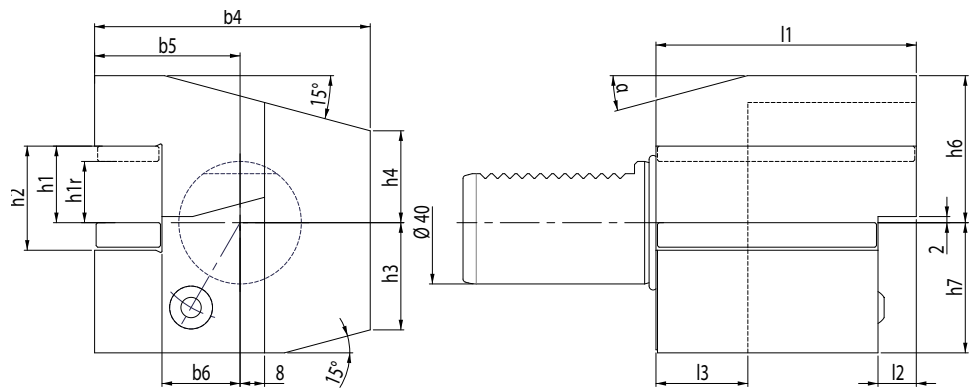
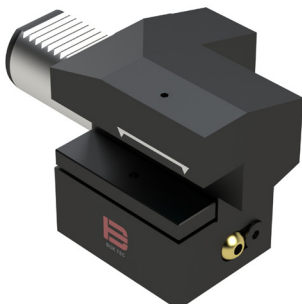
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	l ₃	α
C3.VDI30.20-IC														
C3.VDI40.25-IC														
C3.VDI50.32-IC														

TURNING TOOL HOLDER AXIAL LEFT OVERHEAD - FORM C4



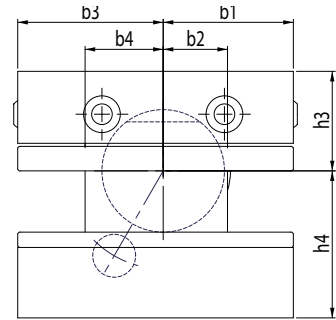
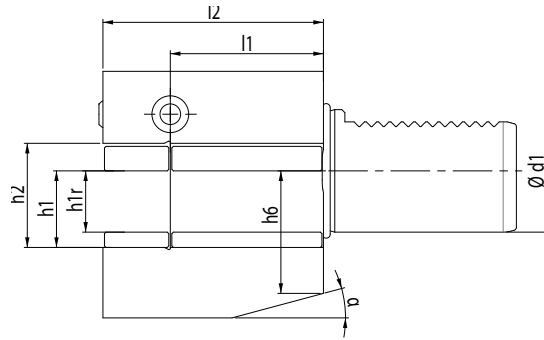
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	l ₃	α
C4.VDI16.12	16	43	24	13	12	15	15	22	20	19	44	5	20	30°
C4.VDI20.1612	20	57	32	18	16/12	19	19	30	25	23	55	7	30	30°
C4.VDI25.1612	25	58	33	19	16/12	22,5	22,5	30	25	25	55	7	20	30°
C4.VDI30.2016	30	76	41	23	20/16	26	22	38	35	28	70	10	30	25°
C4.VDI40.2520	40	90	47,5	25,5	25/20	35	30	48	42,5	40	85	12,5	30	15°
C4.VDI50.3225	50	105	55	30,5	32/25	42	35	60	50	-	100	16	40	-
C4.VDI60.3225	60	125	62,5	33	32/25	46	42,5	62,5	62,5	-	125	16	40	-

TURNING TOOL HOLDER AXIAL LEFT OVERHEAD - FORM C4 WITH INTERNAL COOLANT



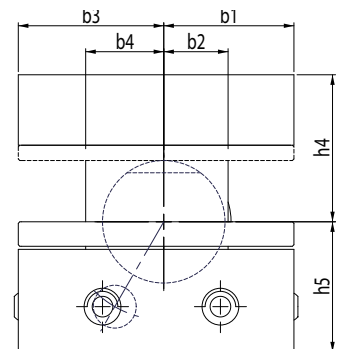
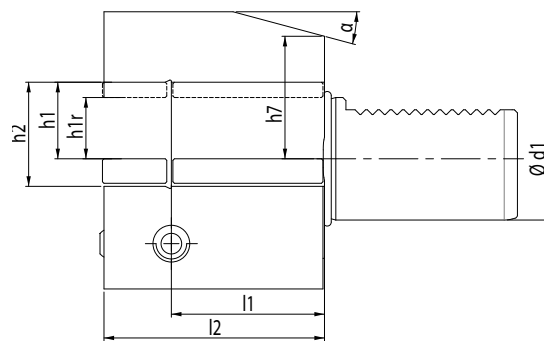
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	h ₈	l ₁	l ₂	l ₃	α
C4.VDI30.20-IC														
C4.VDI40.25-IC														
C4.VDI50.32-IC														

MULTIPLE TOOL HOOLDER AXIAL-RADIAL - FORM D1



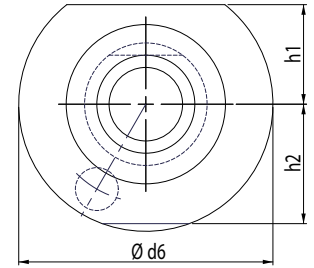
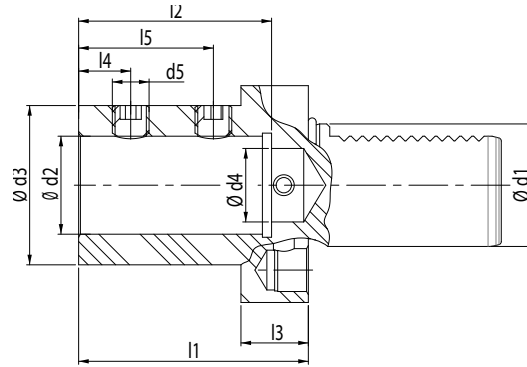
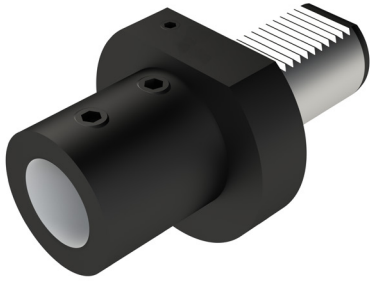
DESIGNATION	d ₁	b ₁	b ₂	b ₃	b ₄	h ₁	h ₄	h ₅	h ₇	l ₁	l ₂	α
D1.VDI25.1612	25	33	19	33	19	16/12	25	30	25	34	48	30°
D1.VDI30.2016	30	35	17	41	23	20/16	28	38	30	42	60	25°
D1.VDI40.2520	40	42,5	21	47,5	25,5	25/20	32,5	48	40	50	72	15°
D1.VDI50.3225	50	50	26	55	30,5	32/25	35	60	-	60	85	-
D1.VDI60.3225	60	57,5	33	57,5	33	32/25	42,5	62,5	-	85	110	-

MULTIPLE TOOL HOOLDER AXIAL-RADIAL OVERHEAD - FORM D2



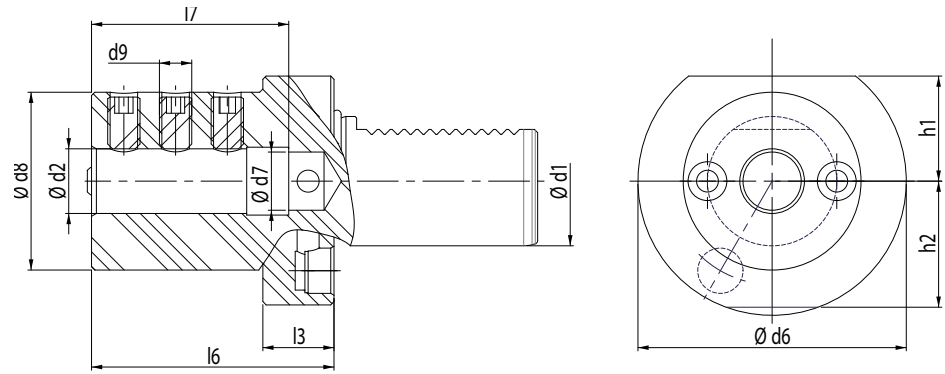
DESIGNATION	d ₁	b ₁	b ₂	b ₃	h ₁	h ₃	h ₄	h ₅	h ₆	l ₁	l ₂	α
D2.VDI25.1612	25	33	19	33	19	16/12	30	25	25	34	48	30°
D2.VDI30.2016	30	35	17	41	23	20/16	38	35	28	42	60	25°
D2.VDI40.2520	40	42,5	21	47,5	25,5	25/20	48	42,5	40	50	72	15°
D2.VDI50.3225	50	50	26	55	30,5	32/25	60	50	-	60	85	-
D2.VDI60.3225	60	57,5	33	57,5	33	32/25	62,5	62,5	-	85	110	-

BORING BAR HOLDER - FORM E1 WITH INTERNAL COOLANT



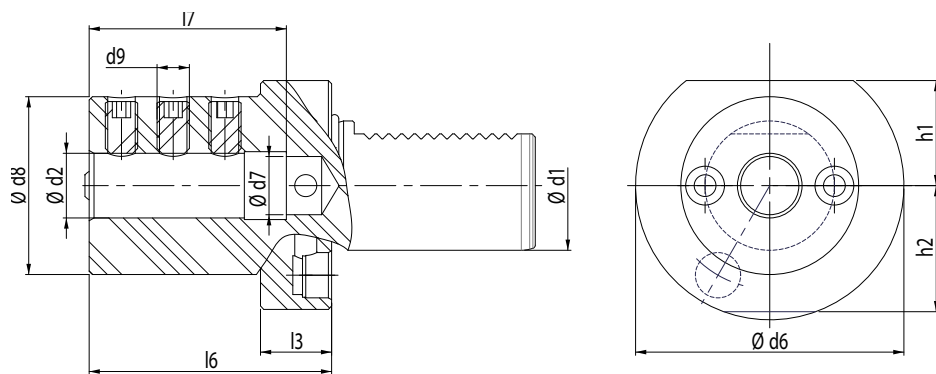
DESIGNATION	d ₁	d ₂	d ₃	d ₄	d ₅	d ₆	h ₁	h ₂	l ₁	l ₂	l ₃	l ₄	l ₅
E1.VDI20.16	20	16	36	12	M10x1	50	-	23	64	51	18	15	35
E1.VDI20.20	20	20	40	12	M10x1	50	-	23	67	54	18	15	35
E1.VDI20.25	20	25	45	17	M12x1	50	-	23	71	59	18	17	40
E1.VDI25.16	25	16	40	12	M10x1	58	25	25	67	54	18	15	35
E1.VDI25.20	25	20	40	12	M10x1	58	25	25	67	54	18	15	35
E1.VDI25.25	25	25	45	17	M12x1	58	25	25	71	59	18	17	40
E1.VDI30.16	30	16	36	12	M10x1	68	28	30	64	51	22	15	35
E1.VDI30.20	30	20	40	12	M10x1	68	28	30	67	54	22	15	35
E1.VDI30.25	30	25	45	17	M12x1	68	28	30	71	59	22	17	40
E1.VDI30.32	30	32	52	24	M12x1	68	28	30	75	63	22	17	44
E1.VDI30.40	30	40	65	32	M16x1	68	28	30	90	73	22	22	50
E1.VDI40.16	40	16	36	12	M10x1	83	32,5	-	64	51	22	15	35
E1.VDI40.20	40	20	40	12	M10x1	83	32,5	-	67	54	22	15	35
E1.VDI40.25	40	25	45	17	M12x1	83	32,5	-	75	59	22	17	40
E1.VDI40.32	40	32	52	24	M12x1	83	32,5	-	75	63	22	17	44
E1.VDI40.40	40	40	65	32	M16x1	83	32,5	-	90	73	22	22	50
E1.VDI50.20	50	20	40	12	M10x1	98	35	-	67	54	30	15	35
E1.VDI50.25	50	25	45	17	M12x1	98	35	-	80	59	30	17	40
E1.VDI50.32	50	32	52	24	M12x1	98	35	-	80	63	30	17	44
E1.VDI50.40	50	40	65	32	M16x1	98	35	-	90	73	30	22	50
E1.VDI50.50	50	50	75	42	M16x1	98	35	-	100	83	30	24	60
E1.VDI60.20	60	20	40	12	M10x1	123	42,5	-	80	54	30	15	35
E1.VDI60.25	60	25	45	17	M12x1	123	42,5	-	80	59	30	17	40
E1.VDI60.32	60	32	52	24	M12x1	123	42,5	-	80	63	30	17	44
E1.VDI60.40	60	40	65	32	M16x1	123	42,5	-	90	73	30	22	50
E1.VDI60.50	60	50	75	42	M16x1	123	42,5	-	100	83	30	24	60

BORING BAR HOLDER - FORM E2 WITH INTERNAL COOLANT



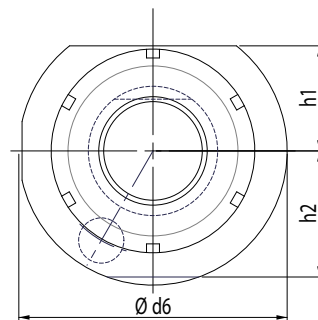
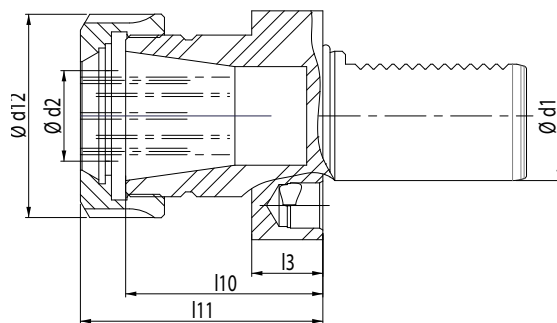
DESIGNATION	d ₁	d ₂	d ₆	d ₈	d ₉	h ₁	h ₂	l ₃	l ₆	l ₇
E2.VDI16.06	16	6	40	32	M6	18	18	13	44	34
E2.VDI16.08	16	8	40	32	M6	18	18	13	44	34
E2.VDI16.10	16	10	40	32	M6	18	18	13	44	34
E2.VDI16.12	16	12	40	40	M8	18	18	-	44	34
E2.VDI16.16	16	16	40	40	M8	18	18	-	44	34
E2.VDI20.08	20	8	50	40	M6	-	23	18	50	41
E2.VDI20.10	20	10	50	40	M6	-	23	18	50	41
E2.VDI20.12	20	12	50	40	M8	-	23	18	50	41
E2.VDI20.16	20	16	50	40	M8	-	23	18	50	41
E2.VDI20.20	20	20	50	50	M8	-	23	-	50	41
E2.VDI20.25	20	25	50	50	M8	-	23	-	60	51
E2.VDI25.08	25	8	58	40	M6	25	25	18	50	41
E2.VDI25.10	25	10	58	40	M6	25	25	18	50	41
E2.VDI25.12	25	12	58	40	M8	25	25	18	50	41
E2.VDI25.16	25	16	58	40	M8	25	25	18	50	41
E2.VDI25.20	25	20	58	58	M8	25	25	18	50	41
E2.VDI25.25	25	25	58	58	M8	25	25	18	60	51
E2.VDI30.08	30	8	68	55	M6	28	30	22	60	51
E2.VDI30.10	30	10	68	55	M6	28	30	22	60	51
E2.VDI30.12	30	12	68	55	M8	28	30	22	60	51
E2.VDI30.16	30	16	68	55	M8	28	30	22	60	51
E2.VDI30.20	30	20	68	55	M8	28	30	22	60	51
E2.VDI30.25	30	25	68	55	M8	28	30	22	60	51
E2.VDI30.32	30	32	68	68	M8	28	30	-	75	61
E2.VDI40.08	40	8	83	55	M6	32,5	-	22	75	51
E2.VDI40.10	40	10	83	55	M8	32,5	-	22	75	51
E2.VDI40.12	40	12	83	55	M8	32,5	-	22	75	61
E2.VDI40.16	40	16	83	55	M10	32,5	-	22	75	61
E2.VDI40.20	40	20	83	55	M10	32,5	-	22	75	61
E2.VDI40.25	40	25	83	55	M10	32,5	-	22	75	61
E2.VDI40.32	40	32	83	83	M10	32,5	-	-	75	61
E2.VDI40.40	40	40	83	83	M10	32,5	-	-	90	76
E2.VDI50.16	50	16	98	68	M10	35	-	30	90	76
E2.VDI50.20	50	20	98	68	M12	35	-	30	90	76

BORING BAR HOLDER - FORM E2 WITH INTERNAL COOLANT



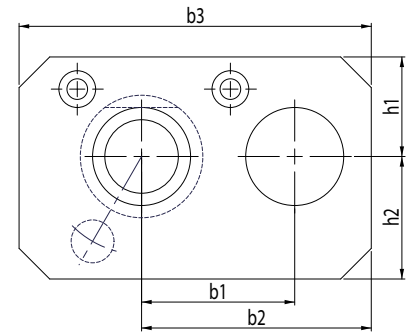
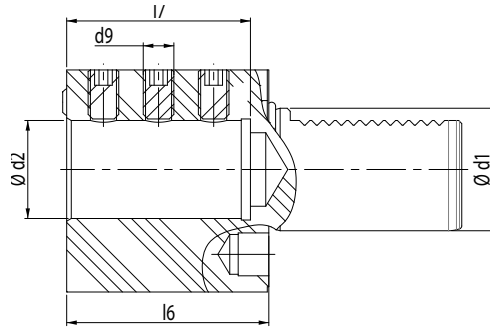
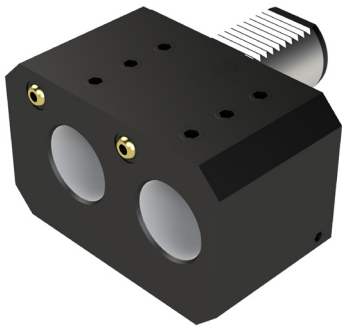
DESIGNATION	d ₁	d ₂	d ₆	d ₈	d ₉	h ₁	h ₂	l ₃	l ₆	l ₇
E2.VDI50.25	50	25	98	68	M12	35	-	30	90	76
E2.VDI50.32	50	32	98	68	M12	35	-	30	90	76
E2.VDI50.40	50	40	98	98	M12	35	-	-	90	76
E2.VDI50.50	50	50	98	98	M12	35	-	-	100	86
E2.VDI60.16	60	16	123	68	M10	42,5	-	30	90	76
E2.VDI60.20	60	20	123	68	M12	42,5	-	30	90	76
E2.VDI60.25	60	25	123	68	M12	42,5	-	30	90	76
E2.VDI60.32	60	32	123	68	M12	42,5	-	30	90	76
E2.VDI60.40	60	40	123	98	M12	42,5	-	30	90	76
E2.VDI60.50	60	50	123	98	M12	42,5	-	30	100	86

COLLET CHUCK TOOL HOLDER AXIAL - FORM E4



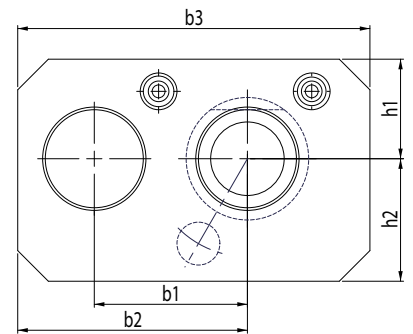
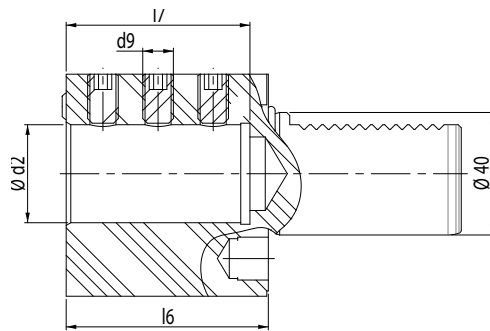
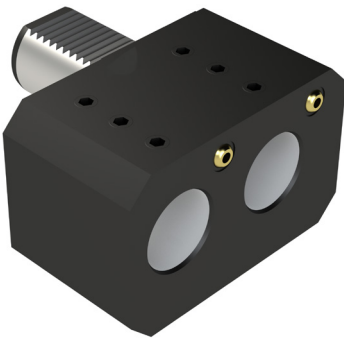
DESIGNATION	d ₁	d ₂	d ₄	d ₆	d ₁₂	h ₁	h ₂	l ₃	l ₁₀	l ₁₁
E4.VDI16.E16	16	16	0,5-10	40	28	18	-	13	27,5	34,5
E4.VDI16.E20	16	20	1-13	40	34	18	18	13	32,5	44
E4.VDI20.E16	20	16	0,5-10	50	28	-	23	18	32,5	44
E4.VDI20.E20	20	20	1-13	50	34	-	23	18	32,5	44
E4.VDI20.E25	20	25	1-16	50	42	-	23	18	38	50
E4.VDI25.E25	25	25	1-13	58	34	25	25	18	32,5	44
E4.VDI25.E25	25	25	1-16	58	42	25	25	18	45	57
E4.VDI32.E25	32	25	2-20	58	50	25	25	18	49,5	62
E4.VDI30.E25	30	25	1-16	68	42	28	30	22	45	57
E4.VDI30.E32	30	32	2-20	68	50	28	30	22	49,5	62,5
E4.VDI30.E40	30	40	3-26	68	63	28	30	22	56	70
E4.VDI40.E25	40	25	1-16	83	42	32,5	-	22	49,5	62
E4.VDI40.E32	40	32	2-20	83	50	32,5	-	22	49,5	62
E4.VDI40.E40	40	40	3-26	83	63	32,5	-	22	61	75
E4.VDI50.E25	50	25	1-16	98	42	35	-	22	45	57
E4.VDI50.E32	50	32	2-20	98	50	35	-	30	61	75
E4.VDI50.E40	50	40	3-26	98	63	35	-	30	61	75
E4.VDI60.E32	60	32	2-20	123	50	42,5	-	30	61	75
E4.VDI60.E40	60	40	3-26	123	63	42,5	-	30	61	75

BORING BAR HOLDER AXIAL RIGHT OFFSET - FORM E7



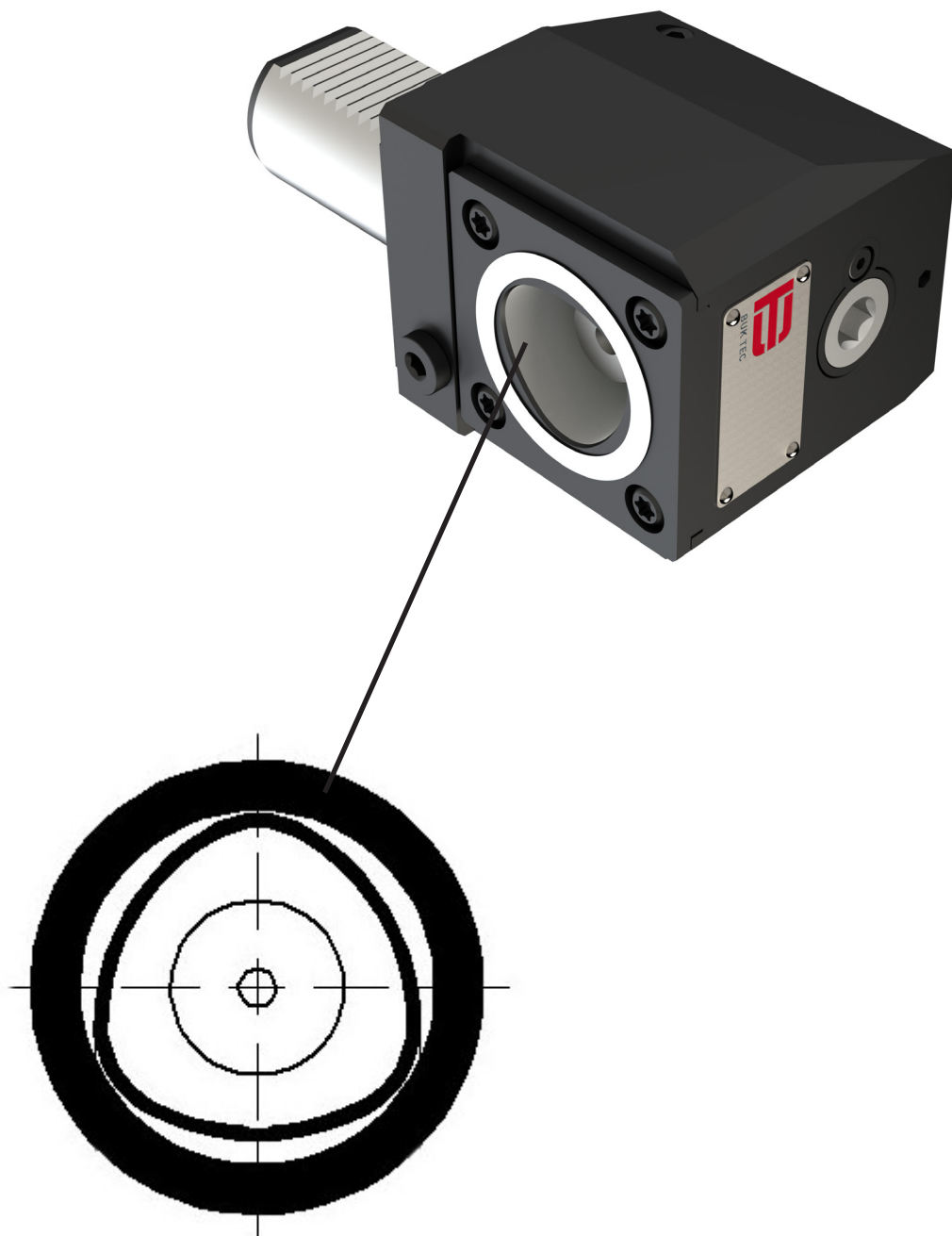
DESIGNATION	d ₁	d ₂	h ₁	h ₂	l ₆	l ₇	b ₁	b ₂	b ₃	d ₉
E7.VDI20.16	20	16	25	25	45	42	32	51	76	M8
E7.VDI20.20	20	20	25	25	45	42	32	51	76	M8
E7.VDI30.25	30	25	28	32	56	52	45	65	95	M8
E7.VDI30.32	30	32	28	32	66	60	50	75	110	M8
E7.VDI40.32	40	32	32,5	40	66	60	50	75	115	M10
E7.VDI40.40	40	40	32,5	40	90	80	50	75	115	M10
E7.VDI50.32	50	32	32,5	47,5	66	60	50	75	115	M12
E7.VDI50.40	50	40	32,5	47,5	90	80	50	75	115	M12
E7.VDI50.50	50	50	35	49	115	100	68	103	152	M12
E7.VDI50.60	60	60	49	58	137	120	85	125	174	M16

BORING BAR HOLDER AXIAL LEFT OFFSET - FORM E8

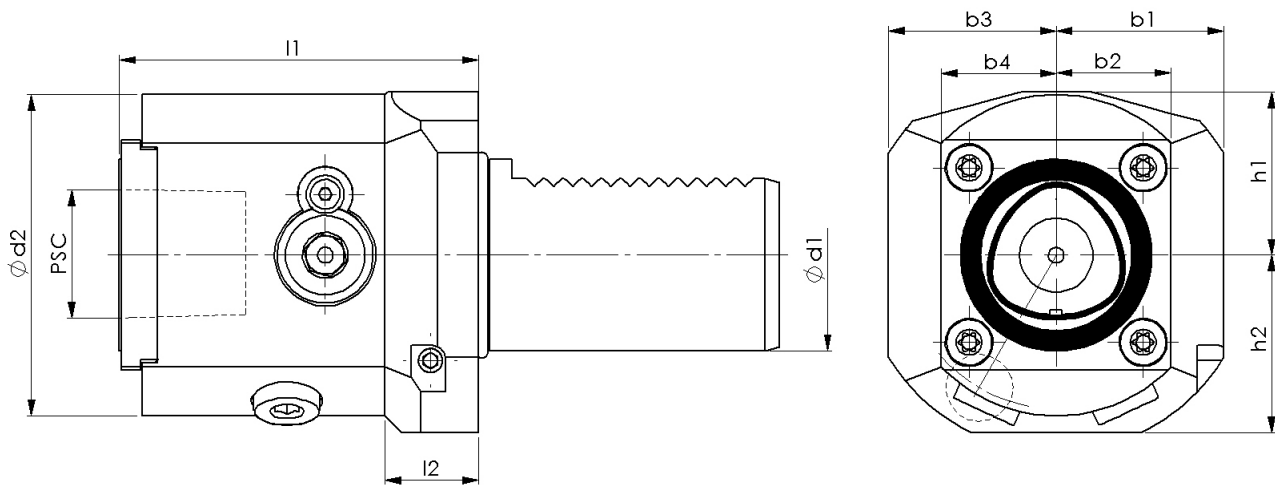


DESIGNATION	d ₁	d ₂	h ₁	h ₂	l ₆	l ₇	b ₁	b ₂	b ₃	d ₉
E8.VDI20.16	20	16	25	25	45	42	32	51	76	M8
E8.VDI20.20	20	20	25	25	45	42	32	51	76	M8
E8.VDI30.25	30	25	28	32	56	52	50	65	95	M8
E8.VDI30.32	30	32	28	32	66	60	50	75	110	M8
E8.VDI40.32	40	32	32,5	40	66	60	50	75	115	M10
E8.VDI40.40	40	40	32,5	40	90	80	50	75	115	M10
E8.VDI50.32	50	32	32,5	47,5	66	60	50	75	115	M12
E8.VDI50.40	50	40	32,5	47,5	90	80	50	75	115	M12
E8.VDI50.50	50	50	35	49	115	100	68	103	152	M12
E8.VDI60.60	60	60	59	58	137	120	85	125	174	M16

PSC - CAPTO COMPATIBLE STATIC TOOLS

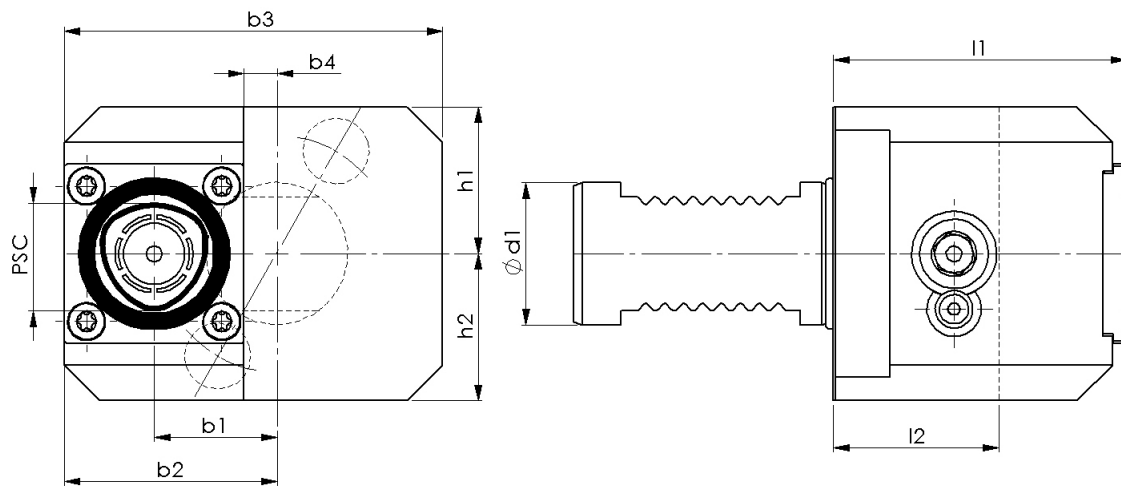
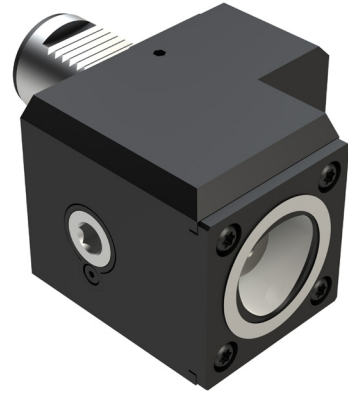


TURNING TOOL HOLDER AXIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)



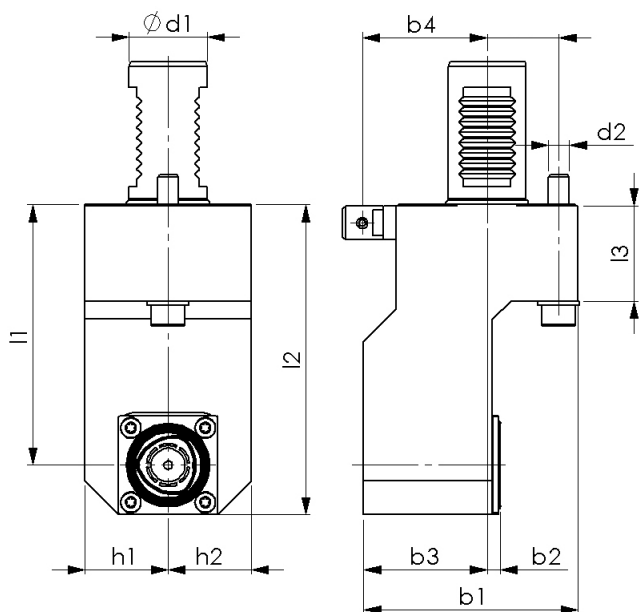
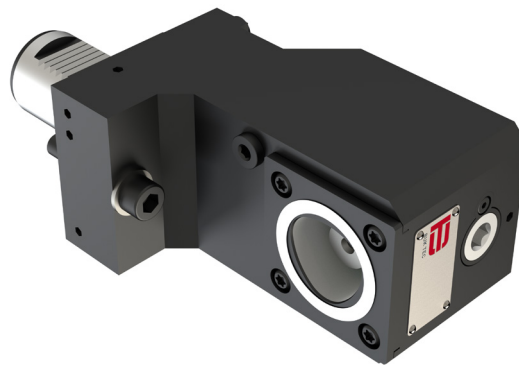
DESIGNATION	d ₁	d ₂	b ₁	b ₂	b ₃	b ₄	h ₁	h ₂	l ₁	l ₂	PSC
E1.VDI30.C3L60-RC	30	Ø53	25	19	25	19	27,5	30,5	60	15	32
E1.VDI30.C4L75-RC	30	Ø68	-	24	-	24	-	-	75	-	40
E1.VDI40.C4L75-RC	40	Ø67	35	24	35	24	34	37	75	19,5	40
E1.VDI40.C5L85-RC	40	64	35	32	35	32	37	37	85	18	50
E1.VDI50.C4L65-RC	50	Ø67	35	24	35	24	34	37	65	10	40
E1.VDI50.C5L85-RC	50	-	41	32	41	32	42	45	85	15	50

TURNING TOOL HOLDER AXIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)



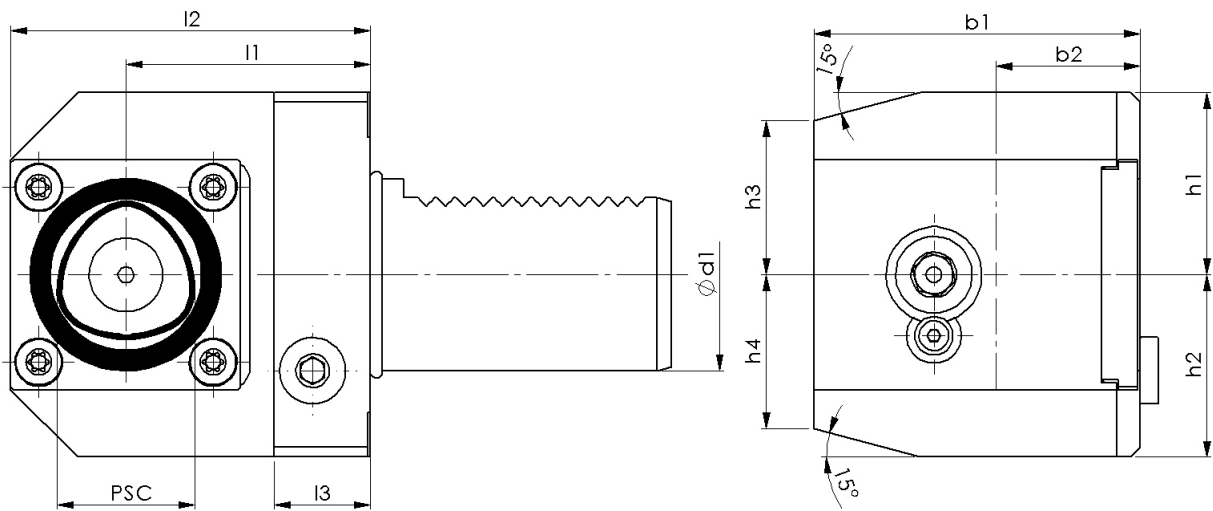
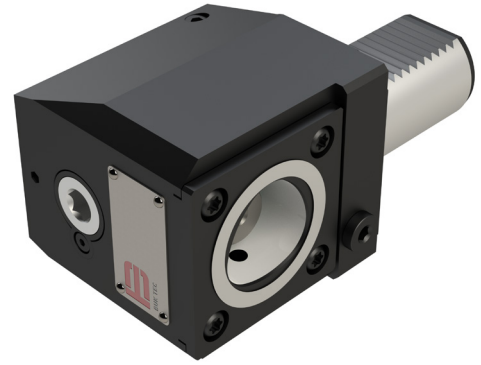
DESIGNATION	d_1	b_1	b_2	b_3	b_4	h_1	h_2	l_1	l_2	PSC
C1.VDI30.C3RLX26L62-RC	30	26	45	80	7	31	31	62	35	32
C1.VDI30.C3RLX26L70-RC	30	26	50	85	2	31	31	70	35	40
C1.VDI40.C4RLX42L83-RC	40	42	66	101	18	38	38	83	30	40
C1.VDI40.C5RLX34L85-RC	40	34	66	101	2	38	38	85	45	50
C1.VDI50.C5RLX50L95-RC	50	50	82	125	18	43	43	95	30	50

TURNING TOOL HOLDER RADIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)



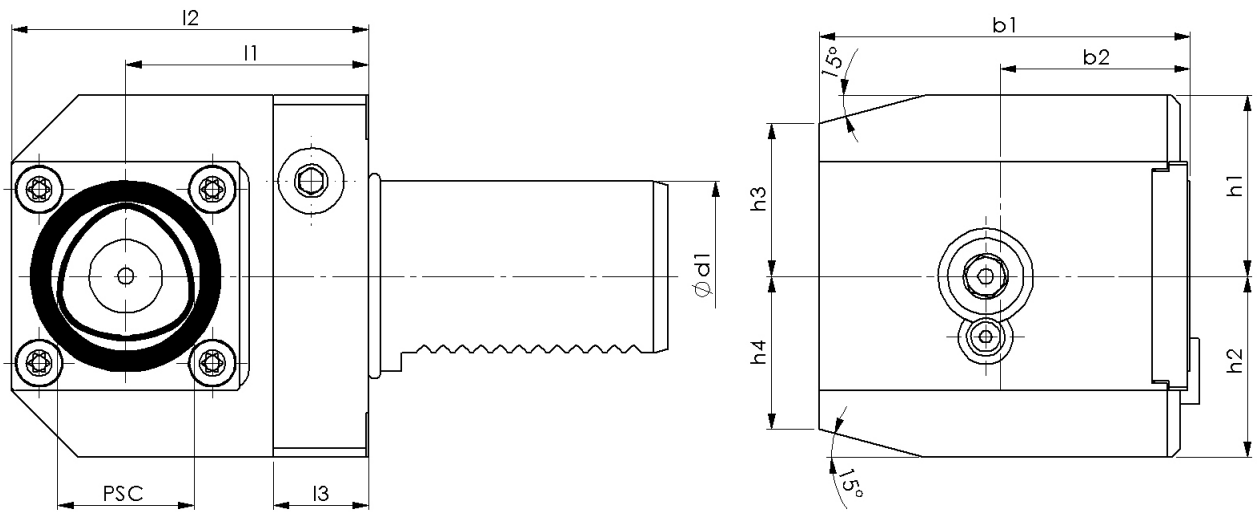
DESIGNATION	d ₁	d ₂	b ₁	b ₂	b ₃	b ₄	b ₅	h ₁	h ₂	l ₁	l ₂	l ₃	PSC
B1.VDI30.C3RLX85Z5-RC	30	M8	82,5	5	47,5	48	27,5	32	32	85	104	37	32
B1.VDI30.C3RLX100Z5-RC	30	M8	82,5	5	47,5	48	27,5	32	32	100	119	37	32
B1.VDI30.C3RLX120Z5-RC	30	M8	82,5	5	47,5	48	27,5	32	32	120	139	37	32
B1.VDI30.C4RLX100Z12-RC	30	M8	86,5	12	51,5	48	27,5	32	32	100	124	37	40
B1.VDI30.C4RLX120Z12-RC	30	M8	86,5	12	51,5	48	27,5	32	32	120	144	37	40
B1.VDI40.C4RLX100Z12-RC	40	M10	96,5	12	54	56	33,5	38	38	100	124	34,5	40
B1.VDI40.C4RLX120Z12-RC	40	M10	96,5	12	54	56	33,5	38	38	120	144	34,5	40
B1.VDI40.C5RLX100Z12-RC	40	M10	107,5	12	65	56	33,5	38	38	100	132	34,5	50
B1.VDI40.C5RLX120Z12-RC	40	M10	107,5	12	65	56	33,5	38	38	120	152	34,5	50
B1.VDI40.C5RLX100Z20-RC	50	M10	103	20	53	64	40	44	44	100	132	34,5	50
B1.VDI40.C5RLX120Z20-RC	50	M10	103	20	53	64	40	44	44	120	152	34,5	50

TURNING TOOL HOLDER RADIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)



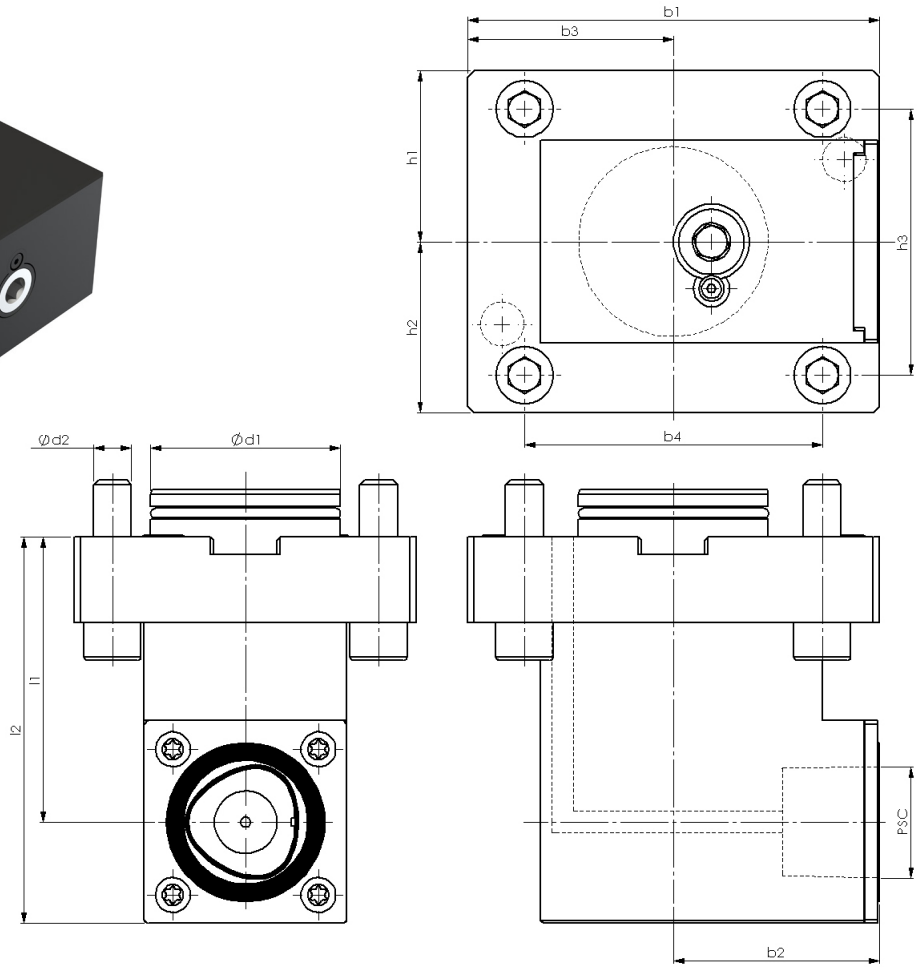
DESIGNATION	d_1	b_1	b_2	h_1	h_2	h_3	h_4	l_1	l_2	l_3	PSC
B1.VDI30.C3X41Z20-RC	30	58	20	27	30	22	25	41	60	20	32
B1.VDI30.C3X41Z30-RC	30	58	30	27	30	24,5	27,5	41	60	20	32
B1.VDI40.C4X51Z30-RC	40	68	30	38	38	32	32	51	75	20	40
B1.VDI40.C4X51Z40-RC	40	78	40	38	38	32	32	51	75	20	40
B1.VDI40.C5X53Z30-RC	40	82	30	38	38	28,5	28,5	53	85	20	50
B1.VDI40.C5X53Z40-RC	40	82	40	38	38	31	31	53	85	20	50
B1.VDI50.C5X53Z30-RC	50	82	30	43	43	33,5	33,5	53	85	20	50
B1.VDI50.C5X53Z40-RC	50	82	40	43	43	36	36	53	85	20	50

TURNING TOOL HOLDER RADIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)



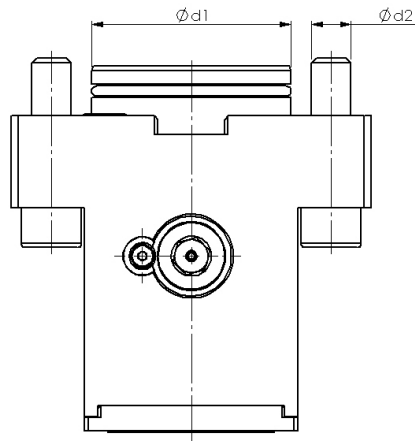
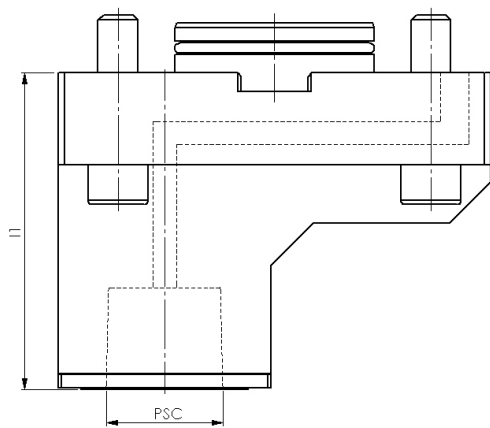
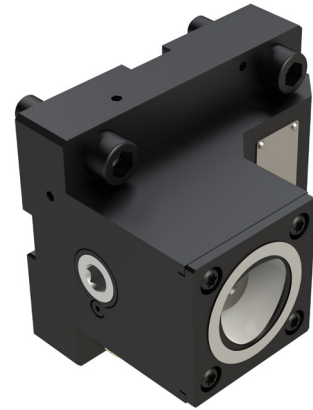
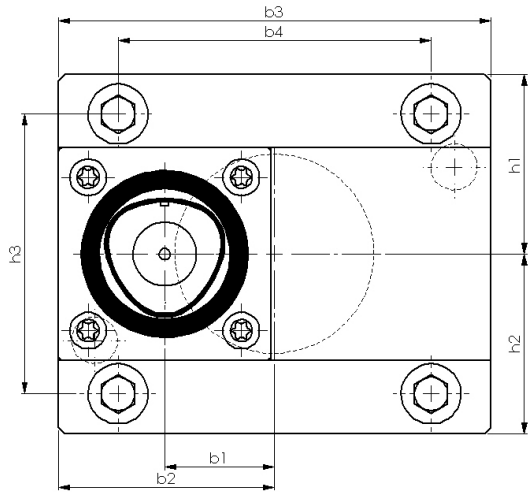
DESIGNATION	d_1	b_1	b_2	h_1	h_2	h_3	h_4	l_1	l_2	l_3	PSC
B2.VDI30.C3X41Z20-RC	30	58	20	30	27	25	22	41	60	20	32
B2.VDI30.C3X41Z30-RC	30	58	30	30	27	27,5	24,5	41	60	20	32
B2.VDI40.C4X51Z30-RC	40	68	30	38	38	32	32	51	75	20	40
B2.VDI40.C4X51Z40-RC	40	78	40	38	38	32	32	51	75	20	40
B2.VDI40.C5X53Z30-RC	40	82	30	38	38	28,5	28,5	53	85	20	50
B2.VDI40.C5X53Z40-RC	40	82	40	38	38	31	31	53	85	20	50
B2.VDI50.C5X53Z30-RC	50	82	30	43	43	33,5	33,5	53	85	20	50
B2.VDI50.C5X53Z40-RC	50	82	40	43	43	36	36	53	85	20	50

TURNING TOOL HOLDER RADIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)



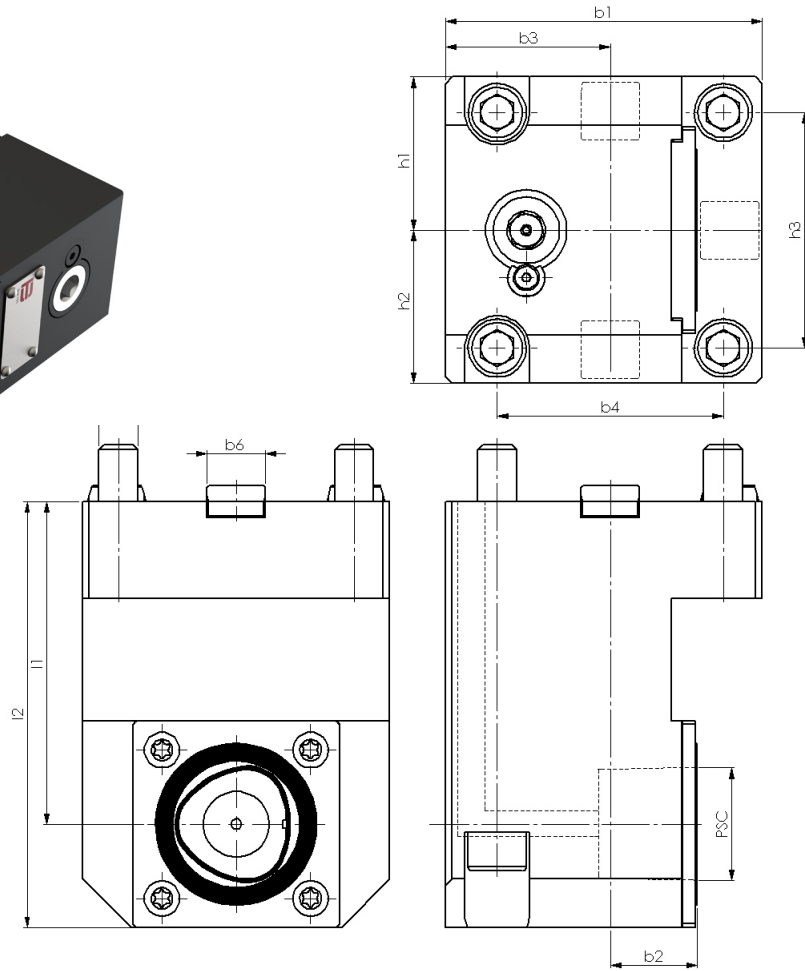
DESIGNATION	d_1	d_2	b_1	b_2	b_3	b_4	h_1	h_2	h_3	l_1	l_2	PSC
B1.BMT40-MS.C4-RC	40	M10	96	32	48	70	40	40	62	100	124	40
B1.BMT60-MS.C4-RC	60	M12	130	65	65	94	54	54	84	90	114	40
B1.BMT60-MS.C5-RC	60	M12	130	65	65	94	54	54	84	90	122	50

TURNING TOOL HOLDER AXIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)



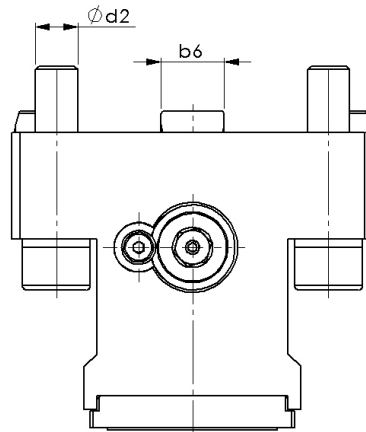
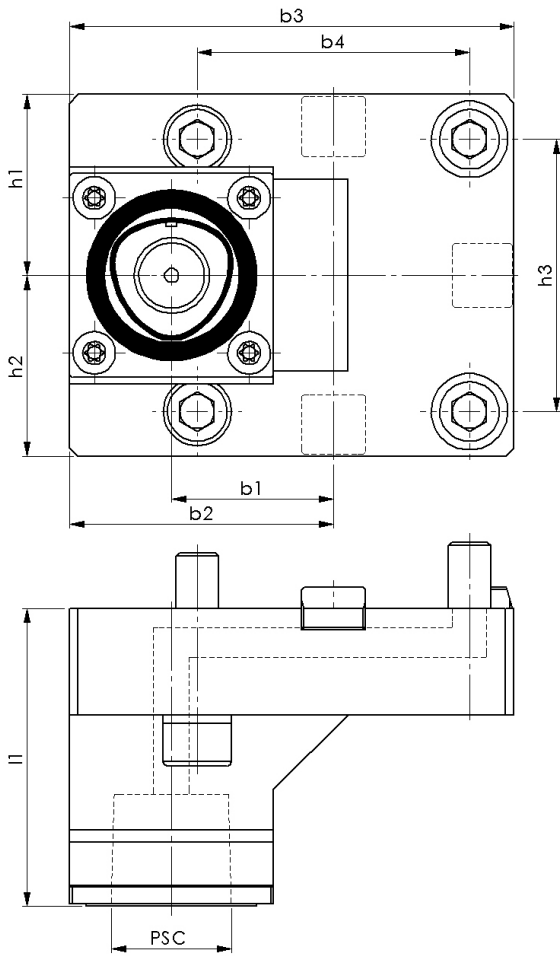
DESIGNATION	d ₁	d ₂	b ₁	b ₂	b ₃	b ₄	h ₁	h ₂	h ₃	l ₁	PSC
C1.BMT40-MS.C4-RC	40	M10	43	67	122	70	40	40	62	75	40
C1.BMT60-MS.C4-RC	60	M12	41	65	130	94	54	54	84	80	40
C1.BMT60-MS.C5-RC	60	M12	77	99	164	94	54	54	84	43	50
C1.BMT60-MS.C5X33L95-RC	60	M12	33	65	130	94	54	54	84	95	50

TURNING TOOL HOLDER RADIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)



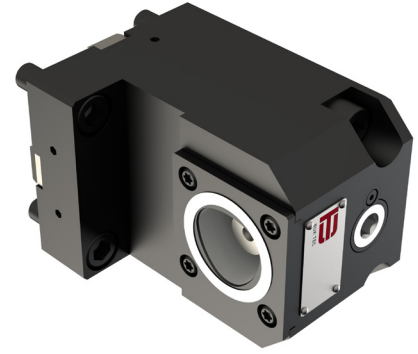
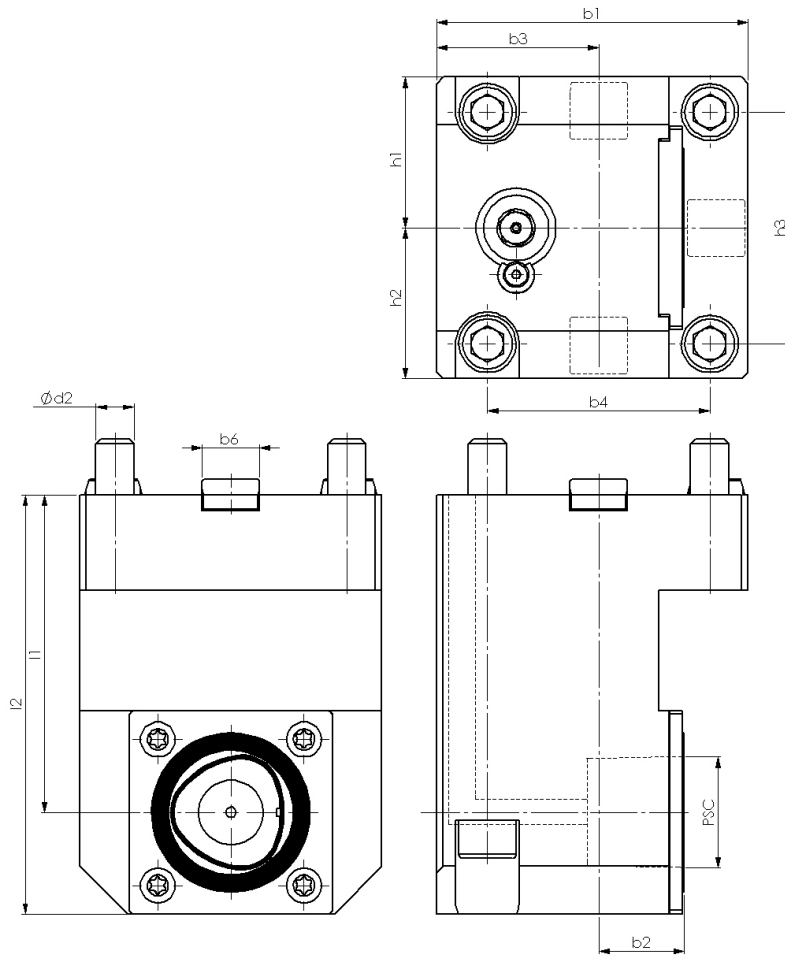
DESIGNATION	BMT	d ₂	b ₁	b ₂	b ₃	b ₄	b ₆	h ₁	h ₂	h ₃	l ₁	l ₂	PSC
B1.BMT55-A.C4X45Z52-RC	55	M10	85	52	42,5	64	15	42,5	42,5	64	45	69	40
B1.BMT55-A.C4X70Z76-RC	55	M10	85	76	42,5	64	15	42,5	42,5	64	70	94	40
B1.BMT55-A.C4X100Z20-RC	55	M10	90,5	20	48	64	15	42,5	42,5	64	100	124	40
B1.BMT55-A.C4X100Z60-RC	55	M10	85	60	42,5	64	15	42,5	42,5	64	100	124	40

TURNING TOOL HOLDER AXIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)



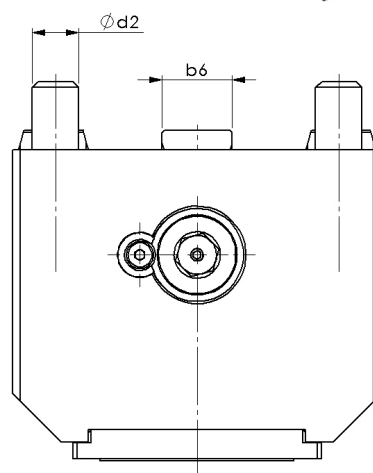
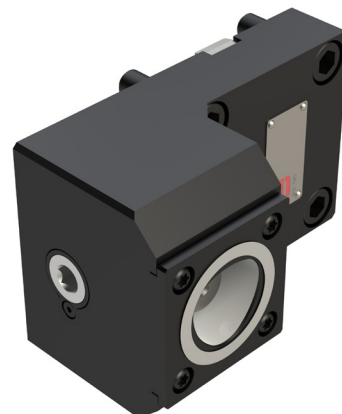
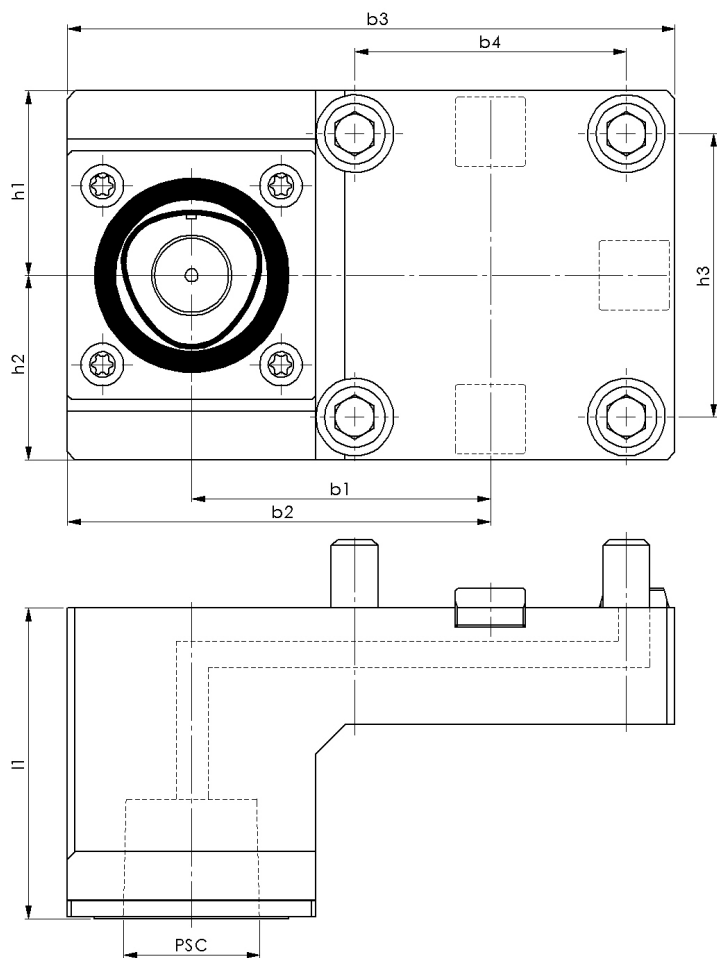
DESIGNATION	BMT	d ₂	b ₁	b ₂	b ₃	b ₄	b ₆	h ₁	h ₂	h ₃	l ₁	PSC
C1.BMT55-A.C4X38L70-RC	55	M10	38	62	104,5	64	15	42,5	42,5	64	70	40
C1.BMT55-A.C4X76L40-RC	55	M10	76	100	142,5	64	15	42,5	42,5	64	40	40

TURNING TOOL HOLDER RADIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)







DESIGNATION	BMT	d ₂	b ₁	b ₂	b ₃	b ₄	b ₆	h ₁	h ₂	h ₃	l ₁	l ₂	PSC
B1.BMT65-A.C4X72Z67-RC	65	M12	94	67	47	70	18	47,5	47,5	73	72	96	40
B1.BMT65-A.C4X100Z20-RC	65	M12	94	20	47	70	18	47,5	47,5	73	100	124	40
B1.BMT65-A.C4X100Z70-RC	65	M12	94	70	47	70	18	47,5	47,5	73	100	124	40
B1.BMT65-A.C5X50Z60-RC	65	M12	94	60	47	70	18	47,5	47,5	73	50	82	50
B1.BMT65-A.C5X100Z27-RC	65	M12	98	27	51	70	18	47,5	47,5	73	100	132	50
B1.BMT65-A.C5X100Z70-RC	65	M12	94	70	47	70	18	47,5	47,5	73	100	132	50

TURNING TOOL HOLDER AXIAL - DIN ISO 26623-2 (CAPTO COMPATIBLE)



DESIGNATION	BMT	d ₂	b ₁	b ₂	b ₃	b ₄	b ₆	h ₁	h ₂	h ₃	l ₁	PSC
C1.BMT65-A.C4X50L80-RC	65	M12	50	74	121,5	70	18	47,5	47,5	73	80	40
C1.BMT65-A.C4X71L60-RC	65	M12	71	95	142,5	70	18	47,5	47,5	73	60	40
C1.BMT65-A.C4X81L22-RC	65	M12	81	105	152,5	70	18	47,5	47,5	73	22	40
C1.BMT65-A.C5X77L76-RC	65	M12	77	109	156,5	70	18	47,5	47,5	73	76	50
C1.BMT65-A.C5X88L50-RC	65	M12	88	120	167,5	70	18	47,5	47,5	73	50	50
C1.BMT65-A.C5X88L22-RC	65	M12	88	120	167,5	70	18	47,5	47,5	73	22	50

DRIVEN TOOLS

DIN 5480 	AXIAL	PAGE 35 - 37
	RADIAL	PAGE 38 - 43
DIN 5482 	AXIAL	PAGE 44 - 46
	RADIAL	PAGE 47 - 49
DIN 1809 	AXIAL	PAGE 50 - 52
	RADIAL	PAGE 53 - 55
EMAG 	AXIAL	PAGE 56 - 58
	RADIAL	PAGE 59 - 61
PSC (CAPTO COMPATIBLE)	AXIAL	PAGE 63 - 66
	RADIAL	PAGE 67 - 69

AXIAL DRILLING AND MILLING HEAD

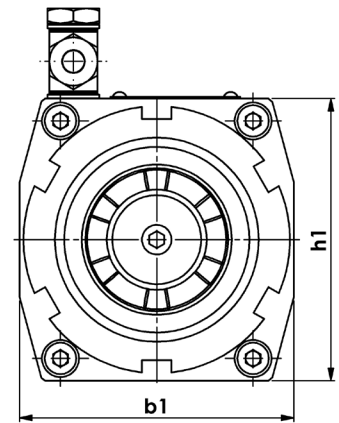
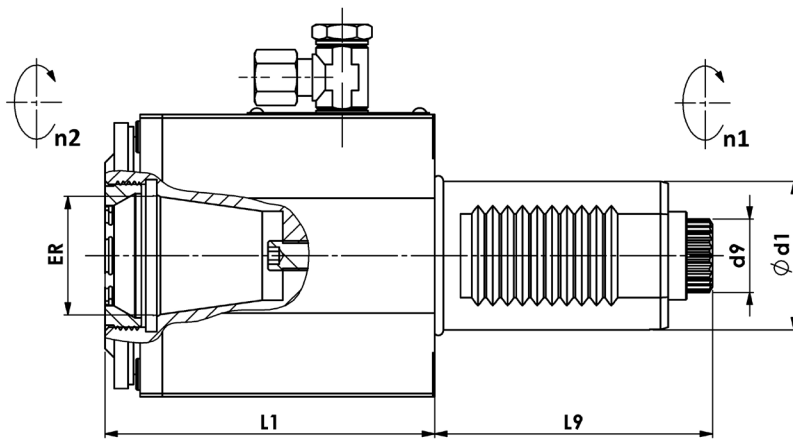
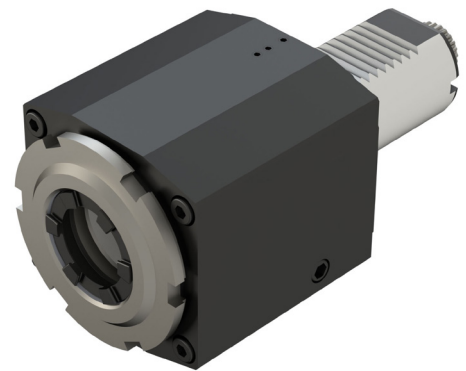


DIN 5480 SAUTER

VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI30-50.E25H	30	W16x0,8x30x18	67	67	88	67	25	1:1	32	6000	H
A0.VDI30-50.E25H-IC	30	W16x0,8x30x18	67	67	88	67	25	1:1	32	6000	H
A0.VDI40-50.E25H	40	W20x0,8x30x24	74	76	86	75	25	1:1	63	5000	H
A0.VDI40-50.E25H-IC	40	W20x0,8x30x24	74	76	86	75	25	1:1	63	5000	H
A0.VDI40-50.E25H68	40	W20x0,8x30x24	74	76	68	75	25	1:1	63	5000	H
A0.VDI40-50.E32H	40	W20x0,8x30x24	74	76	89	75	32	1:1	63	5000	H
A0.VDI40-50.E32H-IC	40	W20x0,8x30x24	74	76	89	75	32	1:1	63	5000	H
A0.VDI40-50.E32H71	40	W20x0,8x30x24	74	76	71	75	32	1:1	63	5000	H
A0.VDI30-50.E25P	30	W16x0,8x30x18	67	67	88	67	25	1:1	32	10000	P
A0.VDI30-50.E25P-IC	30	W16x0,8x30x18	67	67	88	67	25	1:1	32	10000	P
A0.VDI40-50.E25P	40	W20x0,8x30x24	74	76	86	75	25	1:1	63	10000	P
A0.VDI40-50.E25P-IC	40	W20x0,8x30x24	74	76	86	75	25	1:1	63	10000	P
A0.VDI40-50.E25P68	40	W20x0,8x30x24	74	76	68	75	25	1:1	63	10000	P
A0.VDI40-50.E32P	40	W20x0,8x30x24	74	76	89	75	32	1:1	63	10000	P
A0.VDI40-50.E32P-IC	40	W20x0,8x30x24	74	76	89	75	32	1:1	63	10000	P
A0.VDI40-50.E32P71	40	W20x0,8x30x24	74	76	71	75	32	1:1	63	10000	P

AXIAL DRILLING AND MILLING HEAD

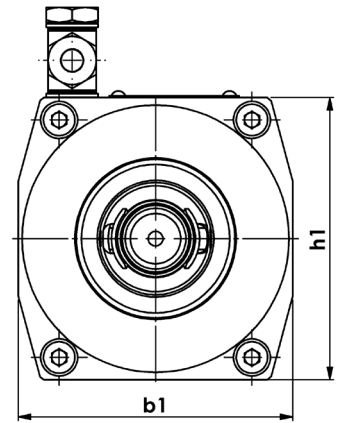
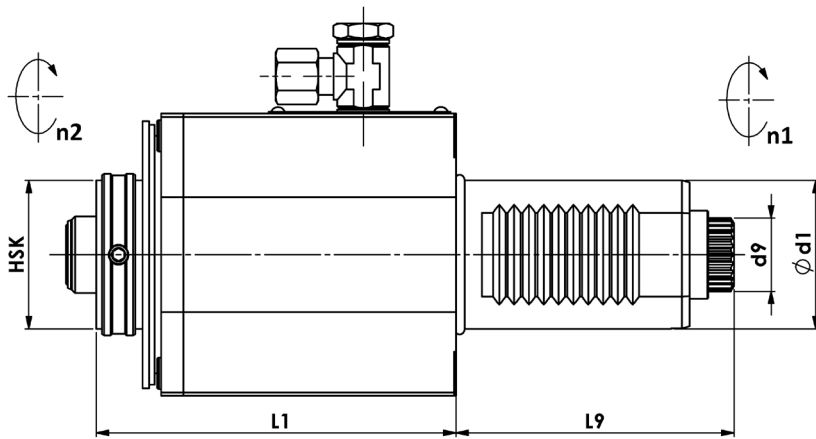
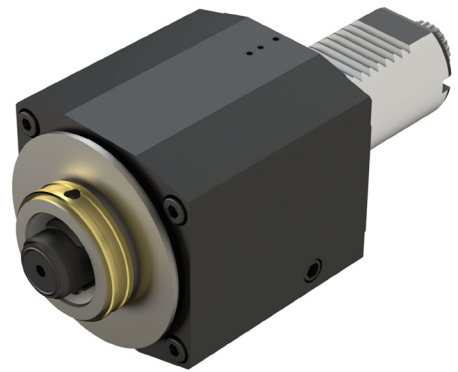


DIN 5480 SAUTER

VDI CLAMPING - DIN 69 880



HSK CLAMPING



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	HSK	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI40-50.H40H	40	W20x0,8x30x24	74	76	97	75	40	1:1	63	5000	H
A0.VDI40-50.H40H-IC	40	W20x0,8x30x24	74	76	97	75	40	1:1	63	5000	H
A0.VDI40-50.H40H79	40	W20x0,8x30x24	74	76	79	75	40	1:1	63	5000	H
A0.VDI40-50.H40P	40	W20x0,8x30x24	74	76	97	75	40	1:1	63	10000	P
A0.VDI40-50.H40P-IC	40	W20x0,8x30x24	74	76	97	75	40	1:1	63	10000	P
A0.VDI40-50.H40P79	40	W20x0,8x30x24	74	76	79	75	40	1:1	63	10000	P

RADIAL DRILLING AND MILLING HEAD

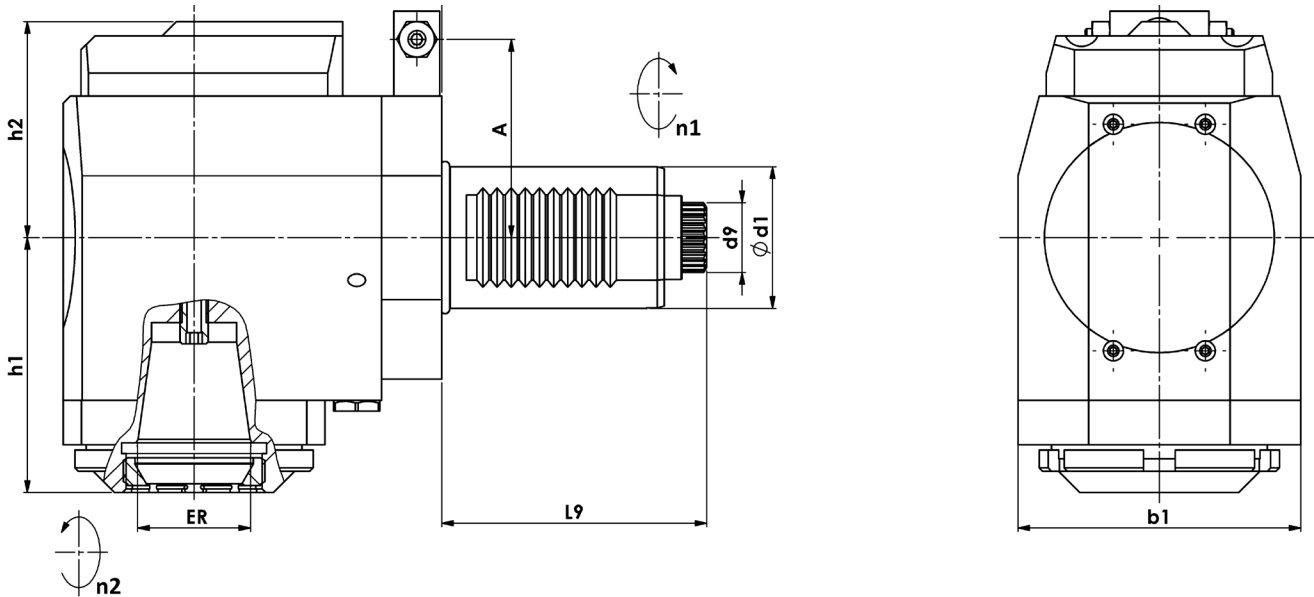
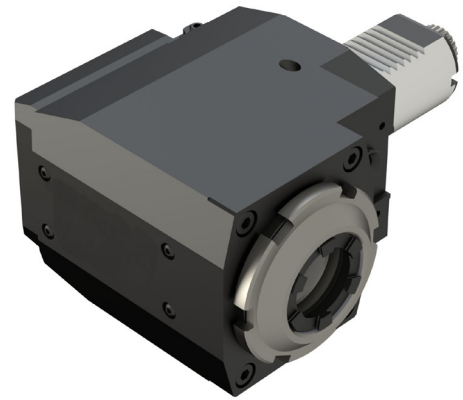


DIN 5480 SAUTER (DISC TURRET)

VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.VDI40-50.E25HR-G	40	W20x0,8x30x24	80	70	56,5	70	75	56	25	1:1	63	5000	H
R0.VDI40-50.E25HR-IC-G	40	W20x0,8x30x24	80	70	61	70	75	56	25	1:1	63	5000	H
R0.VDI40-50.E25PR-G	40	W20x0,8x30x24	80	70	56,5	70	75	56	25	1:1	63	10000	P
R0.VDI40-50.E25PR-IC-G	40	W20x0,8x30x24	80	70	61	70	75	56	25	1:1	63	10000	P
R0.VDI40-50.E25PR-12-G	40	W20x0,8x30x24	80	70	56,5	70	75	56	25	1:2	25	10000	P
R0.VDI40-50.E25PR-IC-12-G	40	W20x0,8x30x24	80	70	61	70	75	56	25	1:2	25	10000	P
R0.VDI40-50.E32HR-G	40	W20x0,8x30x24	80	72	56,5	70	75	56	32	1:1	63	5000	H
R0.VDI40-50.E32HR-IC-G	40	W20x0,8x30x24	80	72	61	70	75	56	32	1:1	63	5000	H
R0.VDI40-50.E32PR-G	40	W20x0,8x30x24	80	72	56,5	70	75	56	32	1:1	63	10000	P
R0.VDI40-50.E32PR-IC-G	40	W20x0,8x30x24	80	72	61	70	75	56	32	1:1	63	10000	P
R0.VDI40-50.E32HR-21-G	40	W20x0,8x30x24	80	72	56,5	70	75	56	32	2:1	80	3000	H
R0.VDI40-50.E32HR-IC-21-G	40	W20x0,8x30x24	80	72	61	70	75	56	32	2:1	80	3000	H

RADIAL DRILLING AND MILLING HEAD

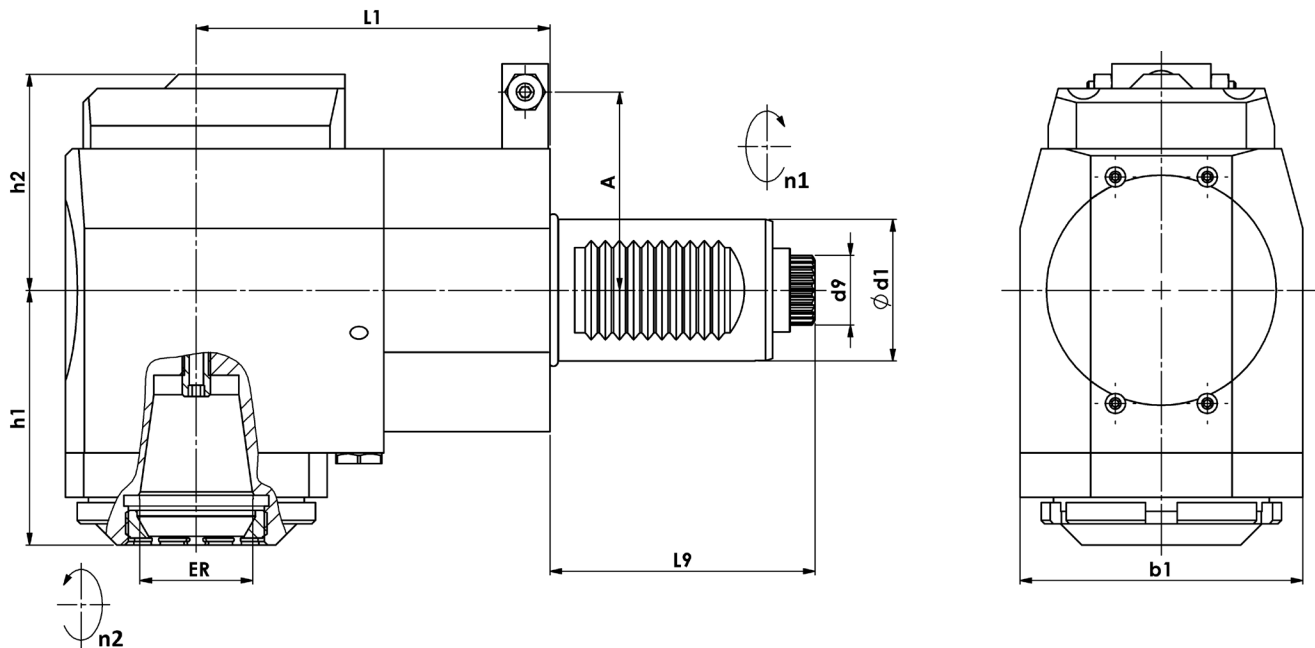
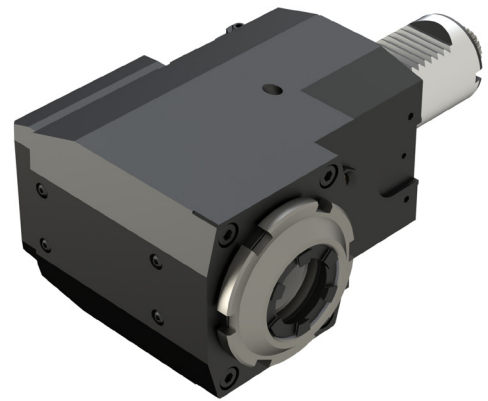


DIN 5480 SAUTER (STAR TURRET)

VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.VDI40-50B.E25HRL-G	40	W20x0,8x30x24	80	70	56,5	100	75	56	25	1:1	63	5000	H
R0.VDI40-50B.E25HRL-IC-G	40	W20x0,8x30x24	80	70	61	100	75	56	25	1:1	63	5000	H
R0.VDI40-50B.E25PRL-G	40	W20x0,8x30x24	80	70	56,5	100	75	56	25	1:1	63	10000	P
R0.VDI40-50B.E25PRL-IC-G	40	W20x0,8x30x24	80	70	61	100	75	56	25	1:1	63	10000	P
R0.VDI40-50B.E25PRL-12-G	40	W20x0,8x30x24	80	70	56,5	100	75	56	25	1:2	25	10000	P
R0.VDI40-50B.E25PRL-IC-12-G	40	W20x0,8x30x24	80	70	61	100	75	56	25	1:2	25	10000	P
R0.VDI40-50B.E32HRL-G	40	W20x0,8x30x24	80	72	56,5	100	75	56	32	1:1	63	5000	H
R0.VDI40-50B.E32HRL-IC-G	40	W20x0,8x30x24	80	72	61	100	75	56	32	1:1	63	5000	H
R0.VDI40-50B.E32PRL-G	40	W20x0,8x30x24	80	72	56,5	100	75	56	32	1:1	63	10000	P
R0.VDI40-50B.E32PRL-IC-G	40	W20x0,8x30x24	80	72	61	100	75	56	32	1:1	63	10000	P
R0.VDI40-50B.E32HRL-21-G	40	W20x0,8x30x24	80	72	56,5	100	75	56	32	2:1	80	3000	H
R0.VDI40-50B.E32HRL-IC-21-G	40	W20x0,8x30x24	80	72	61	100	75	56	32	2:1	80	3000	H

RADIAL DRILLING AND MILLING HEAD

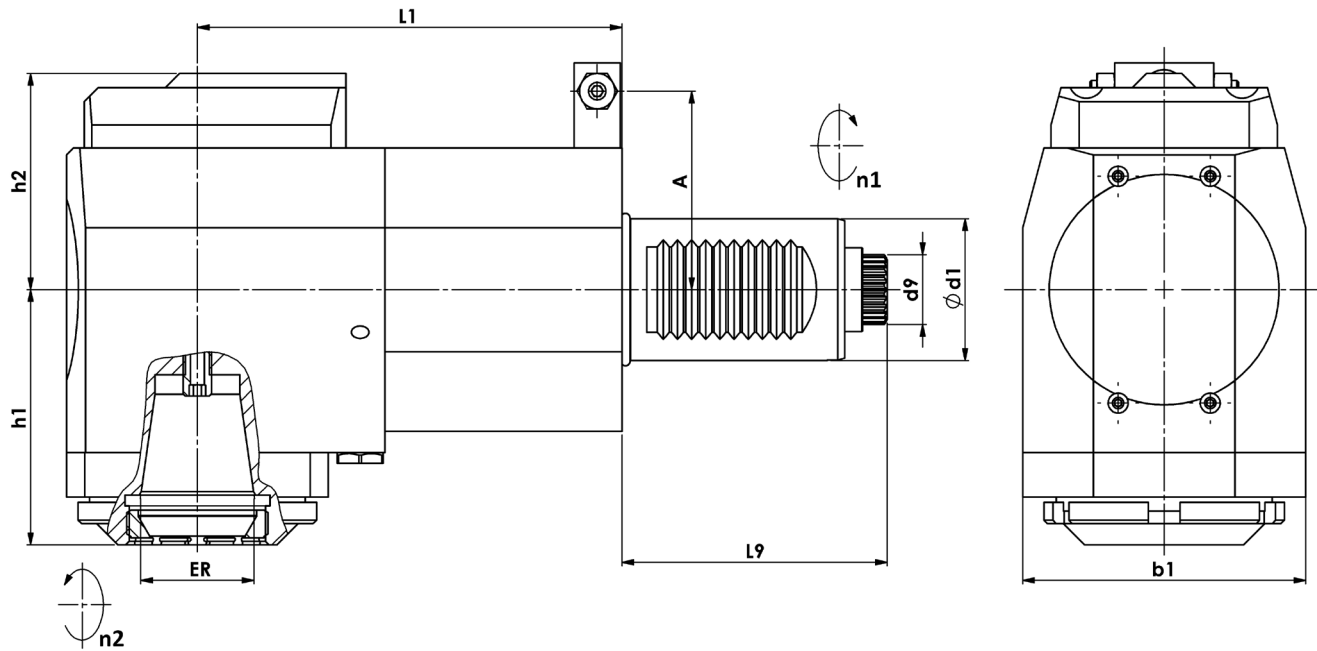
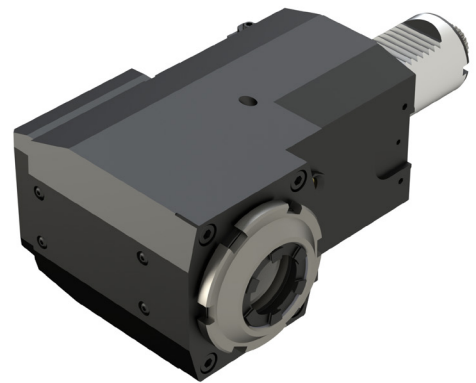


DIN 5480 SAUTER (STAR TURRET)

VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.VDI40-50C.E25HRL-G	40	W20x0,8x30x24	80	70	56,5	120	75	56	25	1:1	63	5000	H
R0.VDI40-50C.E25HRL-IC-G	40	W20x0,8x30x24	80	70	61	120	75	56	25	1:1	63	5000	H
R0.VDI40-50C.E25PRL-G	40	W20x0,8x30x24	80	70	56,5	120	75	56	25	1:1	63	10000	P
R0.VDI40-50C.E25PRL-IC-G	40	W20x0,8x30x24	80	70	61	120	75	56	25	1:1	63	10000	P
R0.VDI40-50C.E25PRL-12-G	40	W20x0,8x30x24	80	70	56,5	120	75	56	25	1:2	25	10000	P
R0.VDI40-50C.E25PRL-IC-12-G	40	W20x0,8x30x24	80	70	61	120	75	56	25	1:2	25	10000	P
R0.VDI40-50C.E32HRL-G	40	W20x0,8x30x24	80	72	56,5	120	75	56	32	1:1	63	5000	H
R0.VDI40-50C.E32HRL-IC-G	40	W20x0,8x30x24	80	72	61	120	75	56	32	1:1	63	5000	H
R0.VDI40-50C.E32PRL-G	40	W20x0,8x30x24	80	72	56,5	120	75	56	32	1:1	63	10000	P
R0.VDI40-50C.E32PRL-IC-G	40	W20x0,8x30x24	80	72	61	120	75	56	32	1:1	63	10000	P
R0.VDI40-50C.E32HRL-21-G	40	W20x0,8x30x24	80	72	56,5	120	75	56	32	2:1	80	3000	H
R0.VDI40-50C.E32HRL-IC-21-G	40	W20x0,8x30x24	80	72	61	120	75	56	32	2:1	80	3000	H

RADIAL DRILLING AND MILLING HEAD

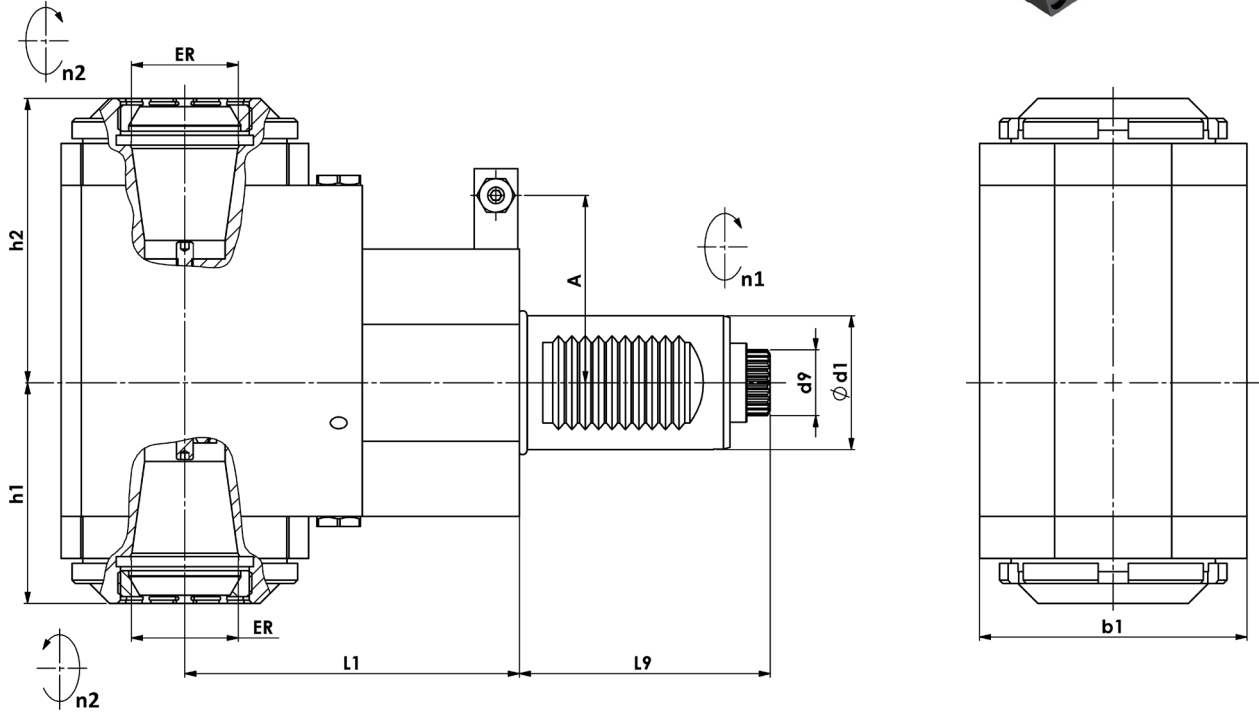
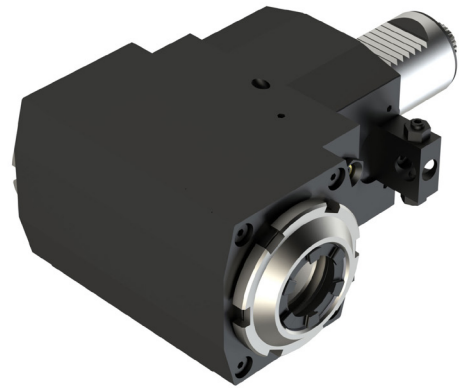


DIN 5480 SAUTER (STAR TURRET)

VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.VDI40-50B.E32DHRL	40	W20x0,8x30x24	80	66	85	100	75	56	32	1:1	63	5000	H
R0.VDI40-50B.E32DPRL	40	W20x0,8x30x24	80	66	85	100	75	56	32	1:1	63	10000	P
R0.VDI40-50C.E32DHRL	40	W20x0,8x30x24	80	66	85	120	75	56	32	1:1	63	5000	H
R0.VDI40-50C.E32DPRL	40	W20x0,8x30x24	80	66	85	120	75	56	32	1:1	63	10000	P

RADIAL DRILLING AND MILLING HEAD - OFFSET

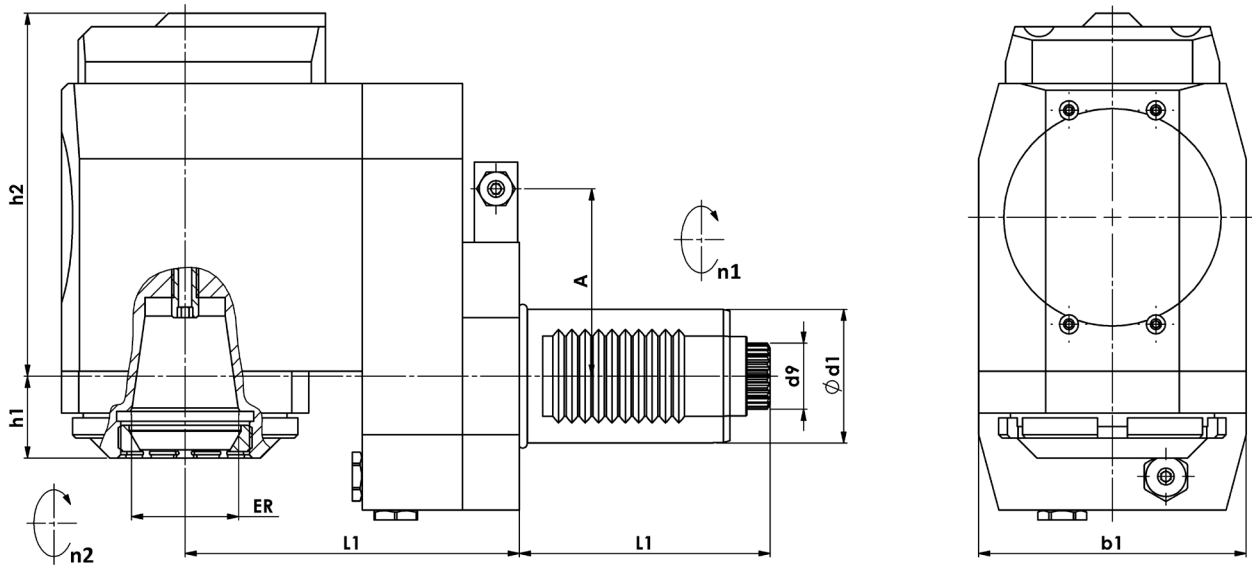
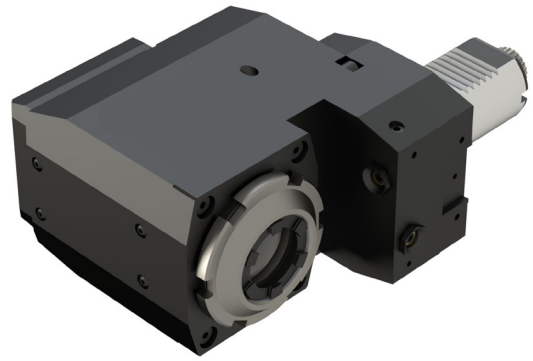


DIN 5480 SAUTER (STAR TURRET)

VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R1.VDI40-50B.E25HR	40	W20x0,8x30x24	80	22,5	104	100	75	56	25	1:1	63	5000	H
R1.VDI40-50B.E25HR-IC	40	W20x0,8x30x24	80	22,5	108,5	100	75	56	25	1:1	63	5000	H
R1.VDI40-50B.E25PR	40	W20x0,8x30x24	80	22,5	104	100	75	56	25	1:1	63	10000	P
R1.VDI40-50B.E25PR-IC	40	W20x0,8x30x24	80	22,5	108,5	100	75	56	25	1:1	63	10000	P
R1.VDI40-50B.E25PR-12	40	W20x0,8x30x24	80	22,5	104	100	75	56	25	1:2	25	10000	P
R1.VDI40-50B.E25PR-IC-12	40	W20x0,8x30x24	80	22,5	108,5	100	75	56	25	1:2	25	10000	P
R1.VDI40-50B.E32HR	40	W20x0,8x30x24	80	24,5	104	100	75	56	32	1:1	63	5000	H
R1.VDI40-50B.E32HR-IC	40	W20x0,8x30x24	80	24,5	108,5	100	75	56	32	1:1	63	5000	H
R1.VDI40-50B.E32PR	40	W20x0,8x30x24	80	24,5	104	100	75	56	32	1:1	63	10000	P
R1.VDI40-50B.E32PR-IC	40	W20x0,8x30x24	80	24,5	108,5	100	75	56	32	1:1	63	10000	P
R1.VDI40-50B.E32HR-21	40	W20x0,8x30x24	80	24,5	104	100	75	56	32	2:1	80	3000	H
R1.VDI40-50B.E32HR-IC-21	40	W20x0,8x30x24	80	24,5	108,5	100	75	56	32	2:1	80	3000	H

RADIAL DRILLING AND MILLING HEAD - OFFSET

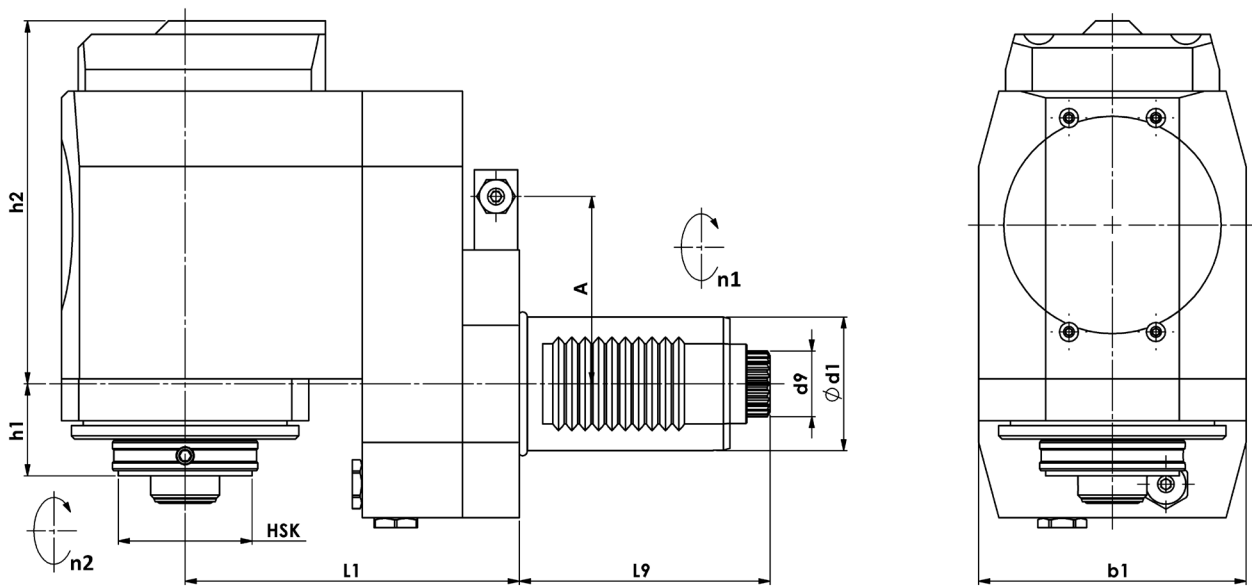
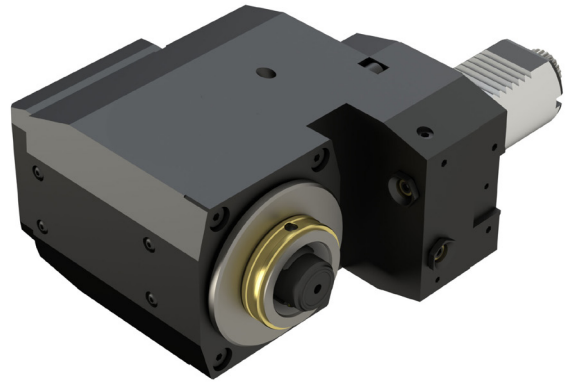


DIN 5480 SAUTER (STAR TURRET)

VDI CLAMPING - DIN 69 880



HSK CLAMPING



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	HSK	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R1.VDI40-50B.H40HR	40	W20x0,8x30x24	80	27,5	104	100	75	56	40	1:1	63	5000	H
R1.VDI40-50B.H40HR-IC	40	W20x0,8x30x24	80	27,5	108,5	100	75	56	40	1:1	63	5000	H
R1.VDI40-50B.H40PR	40	W20x0,8x30x24	80	27,5	104	100	75	56	40	1:1	63	10000	P
R1.VDI40-50B.H40PR-IC	40	W20x0,8x30x24	80	27,5	108,5	100	75	56	40	1:1	63	10000	P
R1.VDI40-50B.H40PR-12	40	W20x0,8x30x24	80	27,5	104	100	75	56	40	1:2	25	10000	P
R1.VDI40-50B.H40PR-IC-12	40	W20x0,8x30x24	80	27,5	108,5	100	75	56	40	1:2	25	10000	P
R1.VDI40-50B.H40HR-21	40	W20x0,8x30x24	80	27,5	104	100	75	56	40	2:1	80	3000	H
R1.VDI40-50B.H40HR-IC-21	40	W20x0,8x30x24	80	27,5	108,5	100	75	56	40	2:1	80	3000	H

AXIAL DRILLING AND MILLING HEAD - DIN 5482

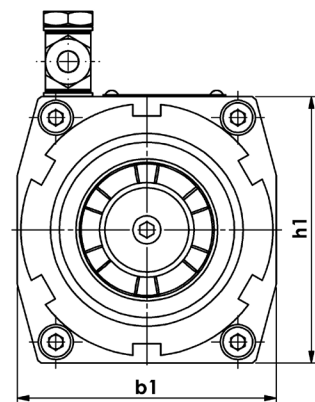
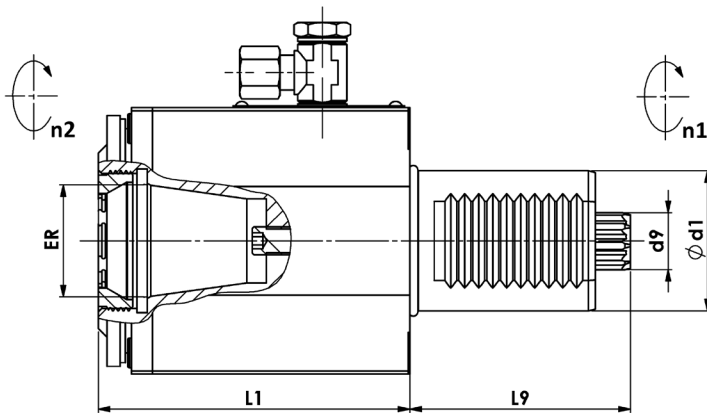
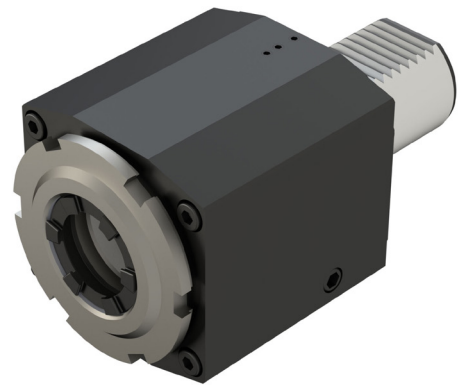


DIN 5480 SAUTER

VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI30-52.E25H	30	B 15x12	67	67	88	55	25	1:1	32	6000	H
A0.VDI30-52.E25H-IC	30	B 15x12	67	67	88	55	25	1:1	32	6000	H
A0.VDI40-52.E25H	40	B 17x14	74	76	86	63	25	1:1	63	5000	H
A0.VDI40-52.E25H-IC	40	B 17x14	74	76	86	63	25	1:1	63	5000	H
A0.VDI40-52.E25H68	40	B 17x14	74	76	68	63	25	1:1	63	5000	H
A0.VDI40-52.E32H	40	B 17x14	74	76	89	63	32	1:1	63	5000	H
A0.VDI40-52.E32H-IC	40	B 17x14	74	76	89	63	32	1:1	63	5000	H
A0.VDI40-52.E32H71	40	B 17x14	74	76	71	63	32	1:1	63	5000	H
A0.VDI30-52.E25P	30	B 15x12	67	67	88	55	25	1:1	32	10000	P
A0.VDI30-52.E25P-IC	30	B 15x12	67	67	88	55	25	1:1	32	10000	P
A0.VDI40-52.E25P	40	B 17x14	74	76	86	63	25	1:1	63	10000	P
A0.VDI40-52.E25P-IC	40	B 17x14	74	76	86	63	25	1:1	63	10000	P
A0.VDI40-52.E25P68	40	B 17x14	74	76	68	63	25	1:1	63	10000	P
A0.VDI40-52.E32P	40	B 17x14	74	76	89	63	32	1:1	63	10000	P
A0.VDI40-52.E32P-IC	40	B 17x14	74	76	89	63	32	1:1	63	10000	P
A0.VDI40-52.E32P71	40	B 17x14	74	76	71	63	32	1:1	63	10000	P

AXIAL DRILLING AND MILLING HEAD

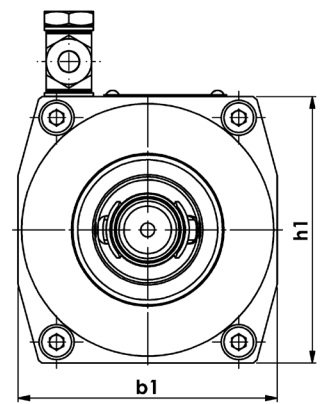
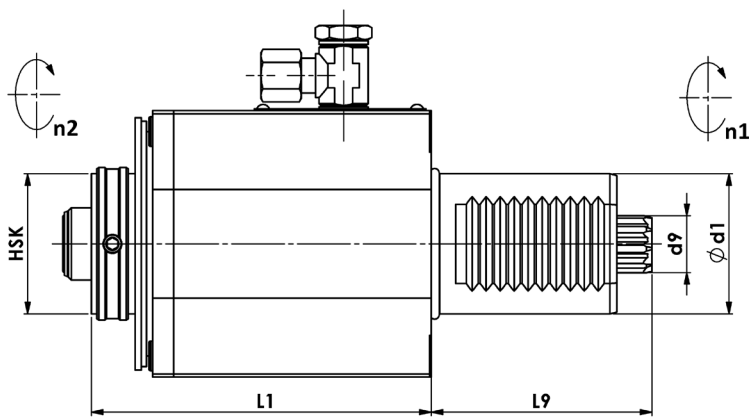
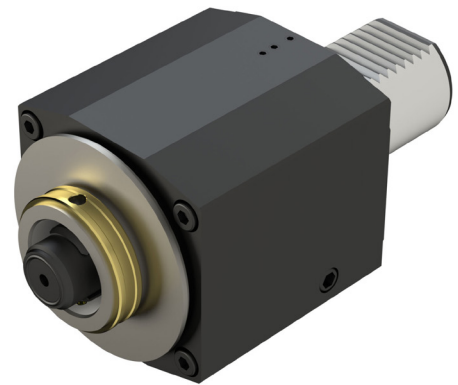


DIN 5482 SAUTER

VDI CLAMPING - DIN 69 880



HSK CLAMPING



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	HSK	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI40-52.H40H	40	B 17x14	74	76	97	63	40	1:1	63	5000	H
A0.VDI40-52.H40H-IC	40	B 17x14	74	76	97	63	40	1:1	63	5000	H
A0.VDI40-52.H40H79	40	B 17x14	74	76	79	63	40	1:1	63	5000	H
A0.VDI40-52.H40P	40	B 17x14	74	76	97	63	40	1:1	63	10000	P
A0.VDI40-52.H40P-IC	40	B 17x14	74	76	97	63	40	1:1	63	10000	P
A0.VDI40-52.H40P79	40	B 17x14	74	76	79	63	40	1:1	63	10000	P

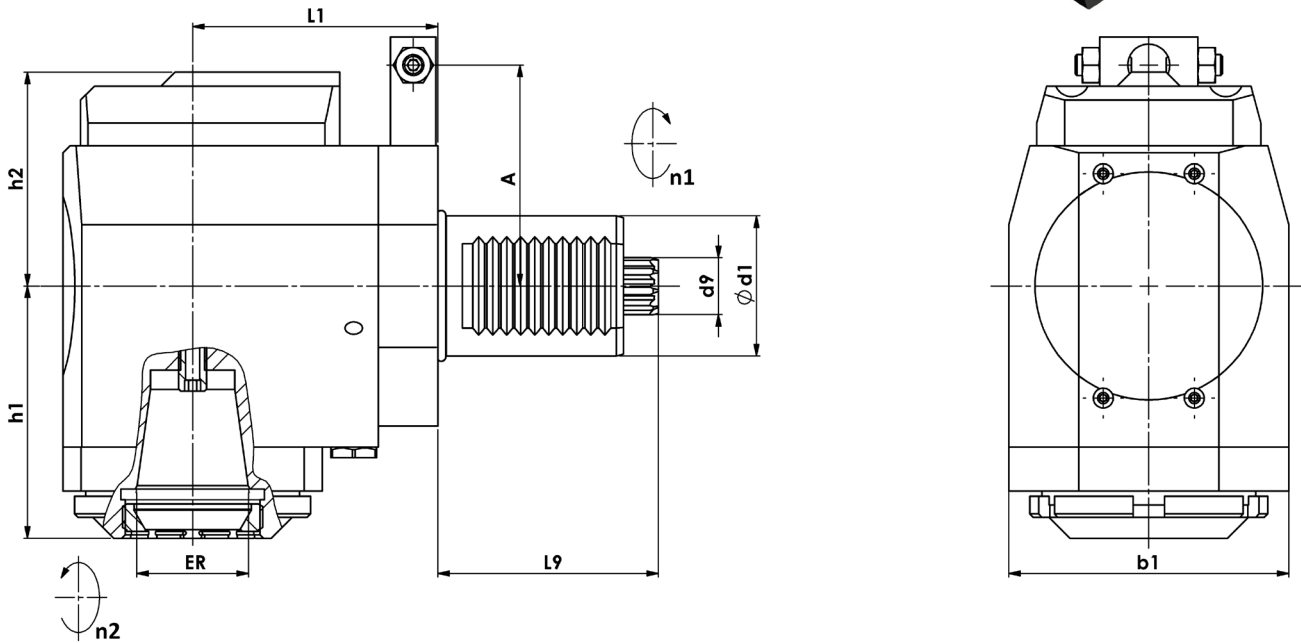
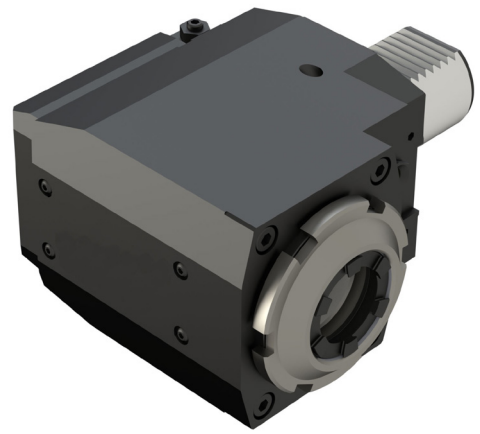
RADIAL DRILLING AND MILLING HEAD



DIN 5482 SAUTER
VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.VDI40-52.E25HR-G	40	B 17x14	80	70	56,5	70	63	63	25	1:1	63	5000	H
R0.VDI40-52.E25HR-IC-G	40	B 17x14	80	70	61	70	63	63	25	1:1	63	5000	H
R0.VDI40-52.E25PR-G	40	B 17x14	80	70	56,5	70	63	63	25	1:1	63	10000	P
R0.VDI40-52.E25PR-IC-G	40	B 17x14	80	70	61	70	63	63	25	1:1	63	10000	P
R0.VDI40-52.E25PR-12-G	40	B 17x14	80	70	56,5	70	63	63	25	1:2	25	10000	P
R0.VDI40-52.E25PR-IC-12-G	40	B 17x14	80	70	61	70	63	63	25	1:2	25	10000	P
R0.VDI40-52.E32HR-G	40	B 17x14	80	72	56,5	70	63	63	32	1:1	63	5000	H
R0.VDI40-52.E32HR-IC-G	40	B 17x14	80	72	61	70	63	63	32	1:1	63	5000	H
R0.VDI40-52.E32PR-G	40	B 17x14	80	72	56,5	70	63	63	32	1:1	63	10000	P
R0.VDI40-52.E32PR-IC-G	40	B 17x14	80	72	61	70	63	63	32	1:1	63	10000	P
R0.VDI40-52.E32HR-21-G	40	B 17x14	80	72	56,5	70	63	63	32	2:1	80	3000	H
R0.VDI40-52.E32HR-IC-21-G	40	B 17x14	80	72	61	70	63	63	32	2:1	80	3000	H

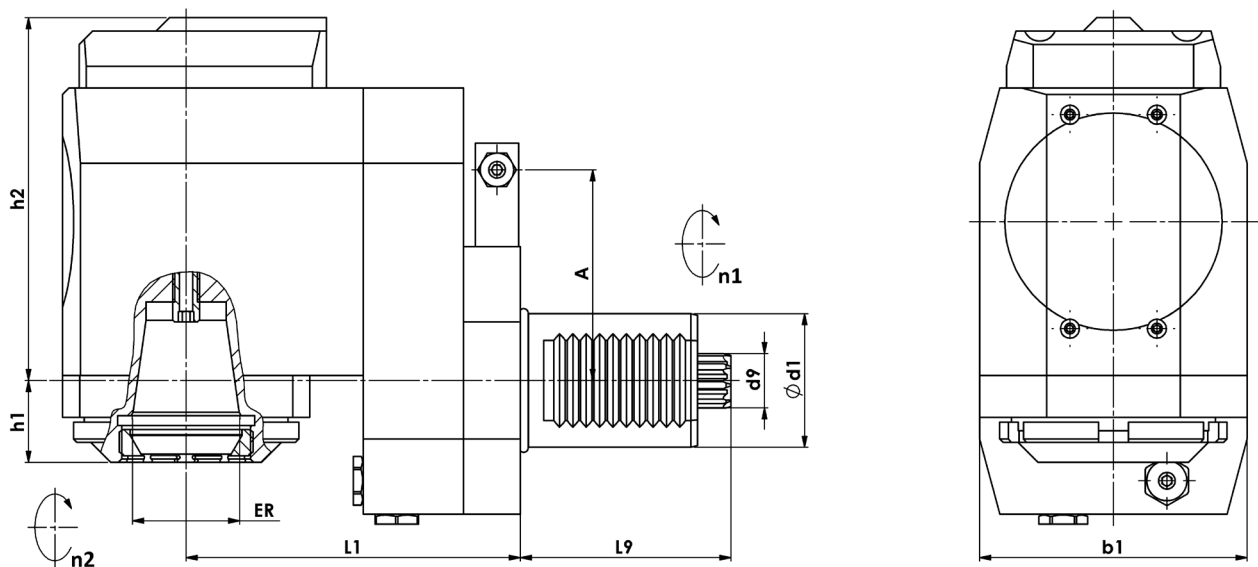
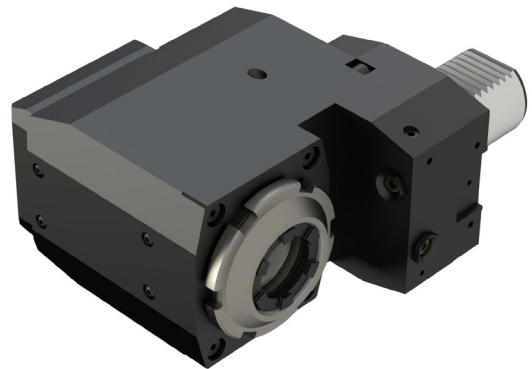
RADIAL DRILLING AND MILLING HEAD - OFFSET



DIN 5482 SAUTER
VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R1.VDI40-52.E25HR	40	B 17x14	80	22,5	104	100	63	63	25	1:1	63	5000	H
R1.VDI40-52.E25HR-IC	40	B 17x14	80	22,5	108,5	100	63	63	25	1:1	63	5000	H
R1.VDI40-52.E25PR	40	B 17x14	80	22,5	104	100	63	63	25	1:1	63	10000	P
R1.VDI40-52.E25PR-IC	40	B 17x14	80	22,5	108,5	100	63	63	25	1:1	63	10000	P
R1.VDI40-52.E25PR-12	40	B 17x14	80	22,5	104	100	63	63	25	1:2	25	10000	P
R1.VDI40-52.E25PR-IC-12	40	B 17x14	80	22,5	108,5	100	63	63	25	1:2	25	10000	P
R1.VDI40-52.E32HR	40	B 17x14	80	24,5	104	100	63	63	32	1:1	63	5000	H
R1.VDI40-52.E32HR-IC	40	B 17x14	80	24,5	108,5	100	63	63	32	1:1	63	5000	H
R1.VDI40-52.E32PR	40	B 17x14	80	24,5	104	100	63	63	32	1:1	63	10000	P
R1.VDI40-52.E32PR-IC	40	B 17x14	80	24,5	108,5	100	63	63	32	1:1	63	10000	P
R1.VDI40-52.E32HR-21	40	B 17x14	80	24,5	104	100	63	63	32	2:1	80	3000	H
R1.VDI40-52.E32HR-IC-21	40	B 17x14	80	24,5	108,5	100	63	63	32	2:1	80	3000	H

RADIAL DRILLING AND MILLING HEAD - OFFSET

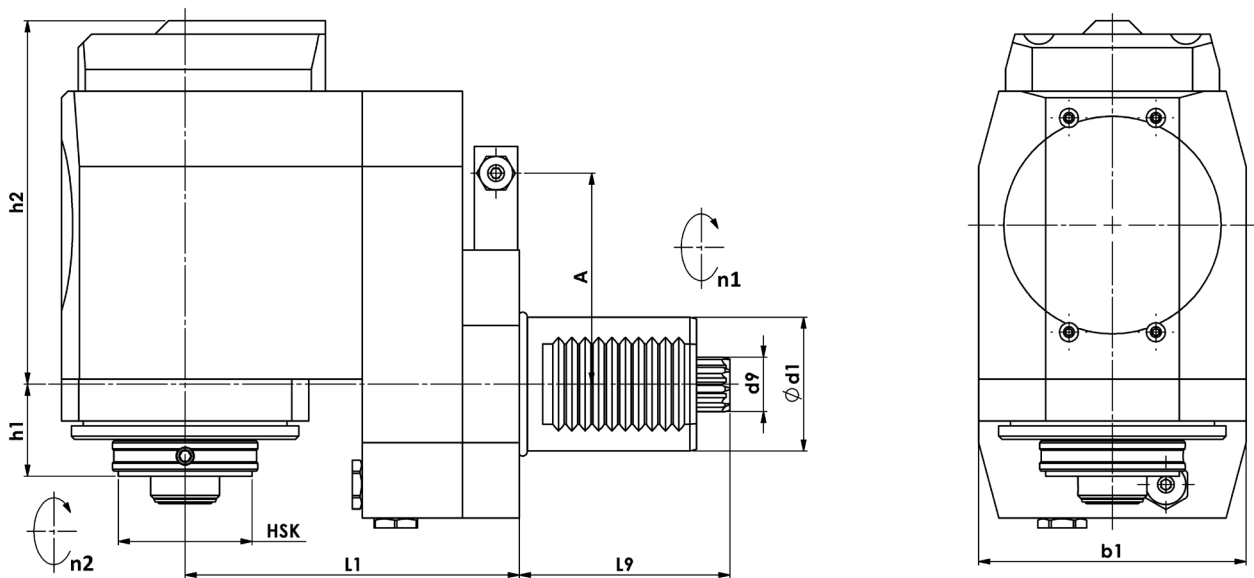
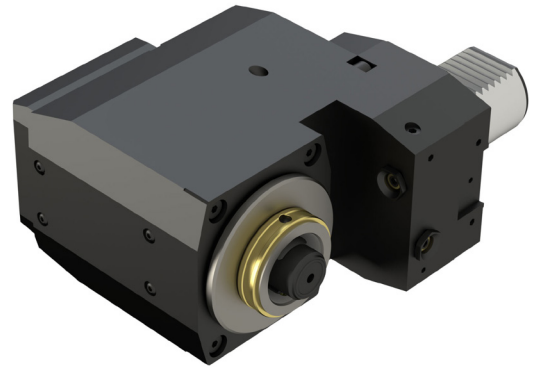


DIN 5482 SAUTER

VDI CLAMPING - DIN 69 880



HSK CLAMPING



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	HSK	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R1.VDI40-52.H40HR	40	B 17x14	80	27,5	104	100	63	63	40	1:1	63	5000	H
R1.VDI40-52.H40HR-IC	40	B 17x14	80	27,5	108,5	100	63	63	40	1:1	63	5000	H
R1.VDI40-52.H40PR	40	B 17x14	80	27,5	104	100	63	63	40	1:1	63	10000	P
R1.VDI40-52.H40PR-IC	40	B 17x14	80	27,5	108,5	100	63	63	40	1:1	63	10000	P
R1.VDI40-52.H40PR-12	40	B 17x14	80	27,5	104	100	63	63	40	1:2	25	10000	P
R1.VDI40-52.H40PR-IC-12	40	B 17x14	80	27,5	108,5	100	63	63	40	1:2	25	10000	P
R1.VDI40-52.H40HR-21	40	B 17x14	80	27,5	104	100	63	63	40	2:1	80	3000	H
R1.VDI40-52.H40HR-IC-21	40	B 17x14	80	27,5	108,5	100	63	63	40	2:1	80	3000	H

AXIAL DRILLING AND MILLING HEAD

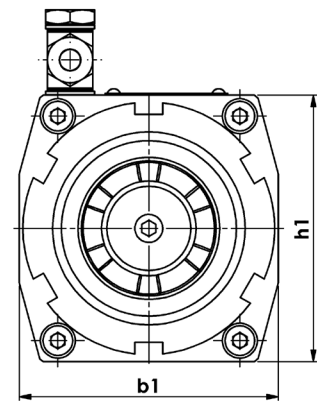
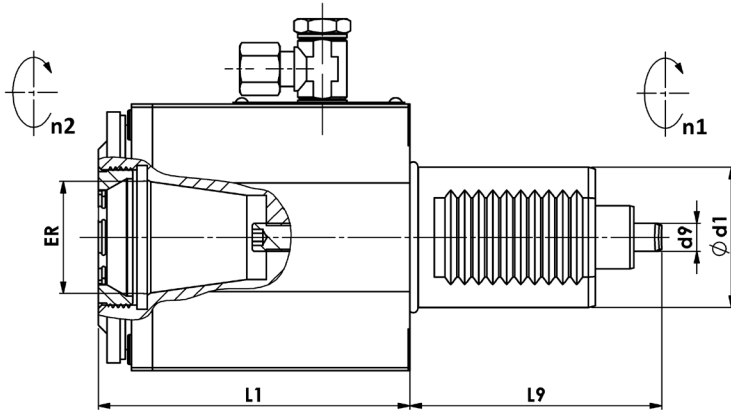
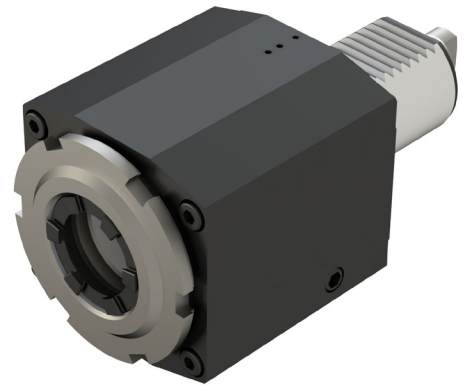


DIN 1809 DUPLOMATIC

VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI30-19.E25H	30	6	67	67	88	62	25	1:1	32	6000	H
A0.VDI30-19.E25H-IC	30	6	67	67	88	62	25	1:1	32	6000	H
A0.VDI40-19.E25H	40	8	74	76	86	72	25	1:1	63	5000	H
A0.VDI40-19.E25H-IC	40	8	74	76	86	72	25	1:1	63	5000	H
A0.VDI40-19.E25H68	40	8	74	76	68	72	25	1:1	63	5000	H
A0.VDI40-19.E32H	40	8	74	76	89	72	32	1:1	63	5000	H
A0.VDI40-19.E32H-IC	40	8	74	76	89	72	32	1:1	63	5000	H
A0.VDI40-19.E32H71	40	8	74	76	71	72	32	1:1	63	5000	H
A0.VDI30-19.E25P	30	6	67	67	88	62	25	1:1	32	10000	P
A0.VDI30-19.E25P-IC	30	6	67	67	88	62	25	1:1	32	10000	P
A0.VDI40-19.E25P	40	8	74	76	86	72	25	1:1	63	10000	P
A0.VDI40-19.E25P-IC	40	8	74	76	86	72	25	1:1	63	10000	P
A0.VDI40-19.E25P68	40	8	74	76	68	72	25	1:1	63	10000	P
A0.VDI40-19.E32P	40	8	74	76	89	72	32	1:1	63	10000	P
A0.VDI40-19.E32P-IC	40	8	74	76	89	72	32	1:1	63	10000	P
A0.VDI40-19.E32P71	40	8	74	76	71	72	32	1:1	63	10000	P

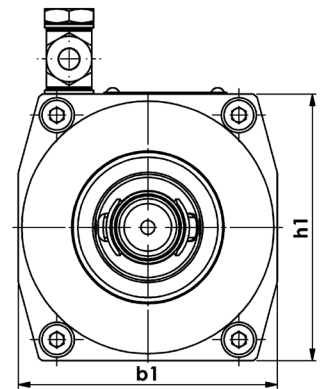
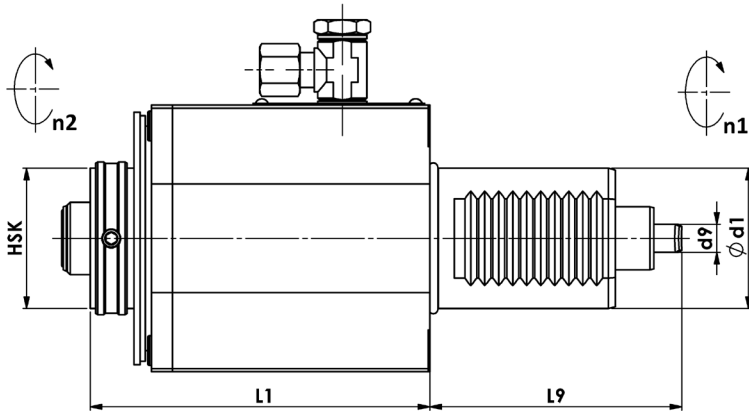
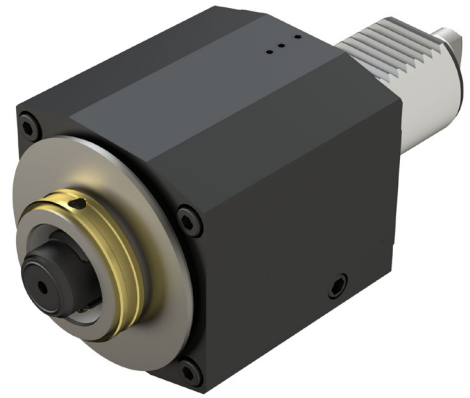
AXIAL DRILLING AND MILLING HEAD



DIN 1809 DUPLOMATIC
VDI CLAMPING - DIN 69 880



HSK CLAMPING



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	HSK	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI40-19.H40H	40	8	74	76	97	72	40	1:1	63	5000	H
A0.VDI40-19.H40H-IC	40	8	74	76	97	72	40	1:1	63	5000	H
A0.VDI40-19.H40H79	40	8	74	76	79	72	40	1:1	63	5000	H
A0.VDI40-19.H40P	40	8	74	76	97	72	40	1:1	63	10000	P
A0.VDI40-19.H40P-IC	40	8	74	76	97	72	40	1:1	63	10000	P
A0.VDI40-19.H40P79	40	8	74	76	79	72	40	1:1	63	10000	P

RADIAL DRILLING AND MILLING HEAD

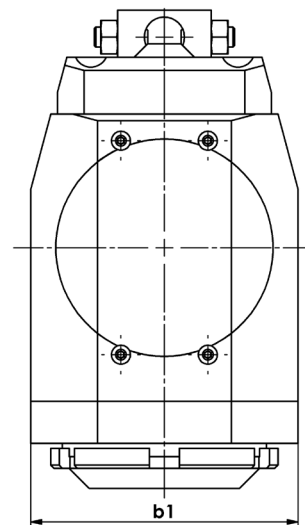
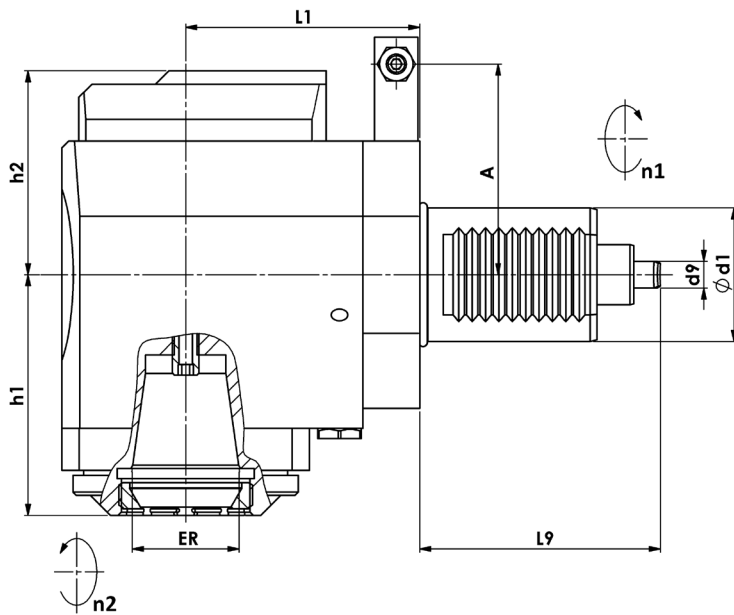
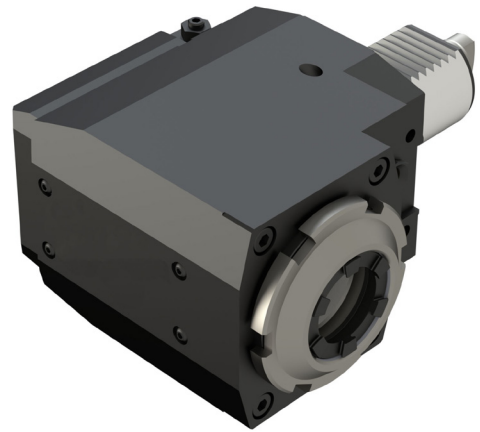


DIN 1809 DUPLOMATIC

VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.VDI40-19.E25HR-G	40	8	80	70	56,5	70	72	63	25	1:1	63	5000	H
R0.VDI40-19.E25HR-IC-G	40	8	80	70	61	70	72	63	25	1:1	63	5000	H
R0.VDI40-19.E25PR-G	40	8	80	70	56,5	70	72	63	25	1:1	63	10000	P
R0.VDI40-19.E25PR-IC-G	40	8	80	70	61	70	72	63	25	1:1	63	10000	P
R0.VDI40-19.E25PR-12-G	40	8	80	70	56,5	70	72	63	25	1:2	25	10000	P
R0.VDI40-19.E25PR-IC-12-G	40	8	80	70	61	70	72	63	25	1:2	25	10000	P
R0.VDI40-19.E32HR-G	40	8	80	72	56,5	70	72	63	32	1:1	63	5000	H
R0.VDI40-19.E32HR-IC-G	40	8	80	72	61	70	72	63	32	1:1	63	5000	H
R0.VDI40-19.E32PR-G	40	8	80	72	56,5	70	72	63	32	1:1	63	10000	P
R0.VDI40-19.E32PR-IC-G	40	8	80	72	61	70	72	63	32	1:1	63	10000	P
R0.VDI40-19.E32HR-21-G	40	8	80	72	56,5	70	72	63	32	2:1	80	3000	H
R0.VDI40-19.E32HR-IC-21-G	40	8	80	72	61	70	72	63	32	2:1	80	3000	H

RADIAL DRILLING AND MILLING HEAD - OFFSET

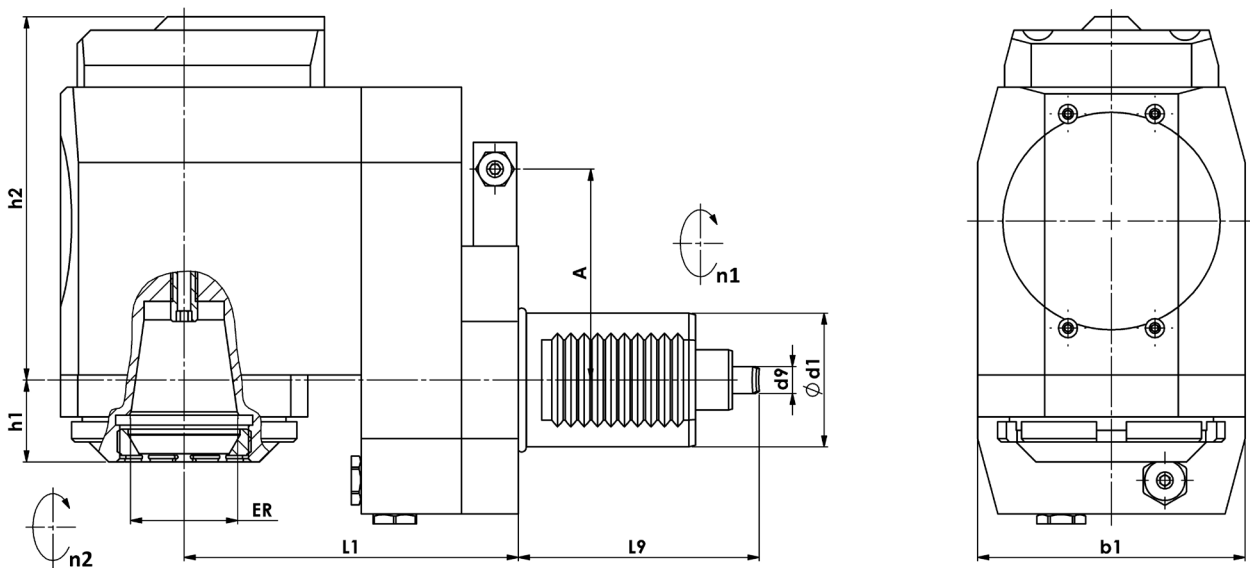
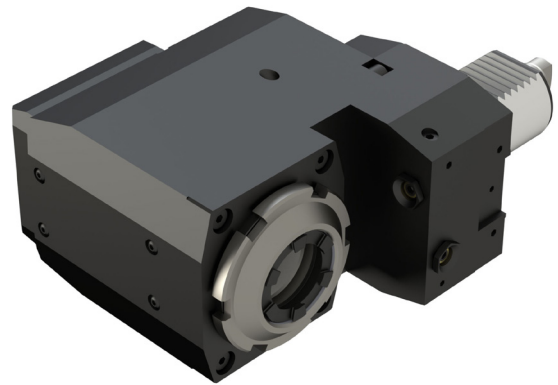


DIN 1809 DUPLOMATIC

VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R1.VDI40-19.E25HR	40	8	80	22,5	104	100	72	63	25	1:1	63	5000	H
R1.VDI40-19.E25HR-IC	40	8	80	22,5	108,5	100	72	63	25	1:1	63	5000	H
R1.VDI40-19.E25PR	40	8	80	22,5	104	100	72	63	25	1:1	63	10000	P
R1.VDI40-19.E25PR-IC	40	8	80	22,5	108,5	100	72	63	25	1:1	63	10000	P
R1.VDI40-19.E25PR-12	40	8	80	22,5	104	100	72	63	25	1:2	25	10000	P
R1.VDI40-19.E25PR-IC-12	40	8	80	22,5	108,5	100	72	63	25	1:2	25	10000	P
R1.VDI40-19.E32HR	40	8	80	24,5	104	100	72	63	32	1:1	63	5000	H
R1.VDI40-19.E32HR-IC	40	8	80	24,5	108,5	100	72	63	32	1:1	63	5000	H
R1.VDI40-19.E32PR	40	8	80	24,5	104	100	72	63	32	1:1	63	10000	P
R1.VDI40-19.E32PR-IC	40	8	80	24,5	108,5	100	72	63	32	1:1	63	10000	P
R1.VDI40-19.E32HR-21	40	8	80	24,5	104	100	72	63	32	2:1	80	3000	H
R1.VDI40-19.E32HR-IC-21	40	8	80	24,5	108,5	100	72	63	32	2:1	80	3000	H

RADIAL DRILLING AND MILLING HEAD - OFFSET

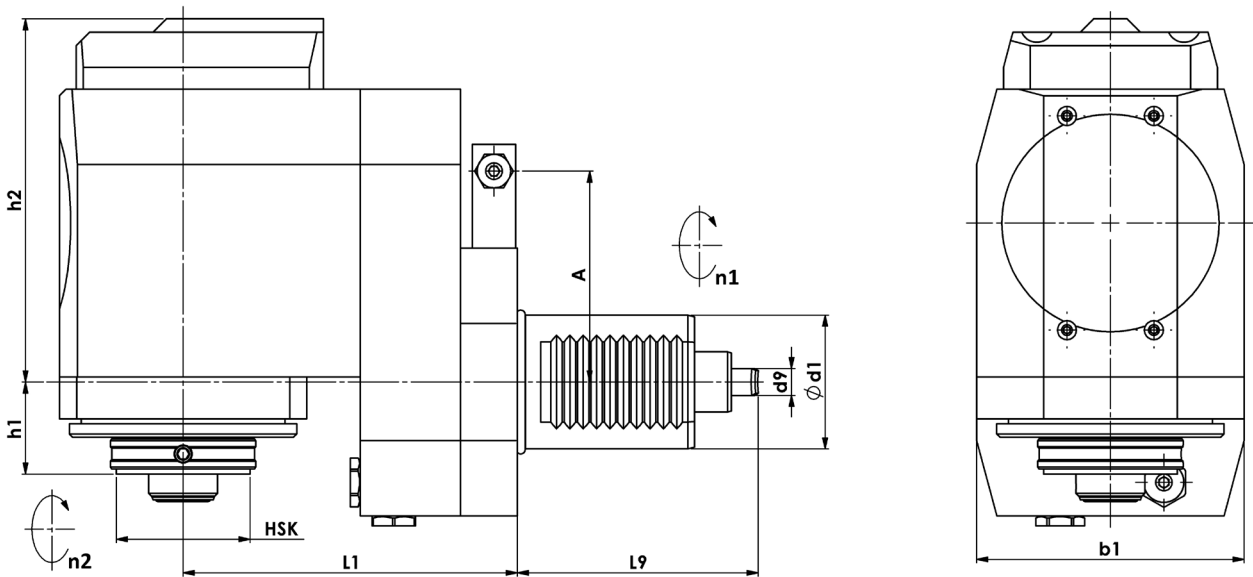
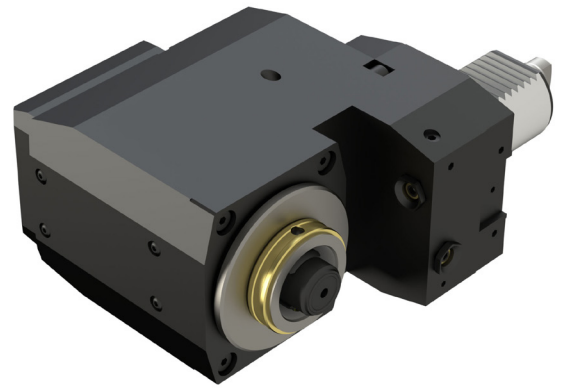


DIN 1809 DUPLOMATIC

VDI CLAMPING - DIN 69 880



HSK CLAMPING



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	HSK	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R1.VDI40-19.E25HR	40	8	80	27,5	104	100	72	63	40	1:1	63	5000	H
R1.VDI40-19.E25HR-IC	40	8	80	27,5	108,5	100	72	63	40	1:1	63	5000	H
R1.VDI40-19.E25PR	40	8	80	27,5	104	100	72	63	40	1:1	63	10000	P
R1.VDI40-19.E25PR-IC	40	8	80	27,5	108,5	100	72	63	40	1:1	63	10000	P
R1.VDI40-19.E25PR-12	40	8	80	27,5	104	100	72	63	40	1:2	25	10000	P
R1.VDI40-19.E25PR-IC-12	40	8	80	27,5	108,5	100	72	63	40	1:2	25	10000	P
R1.VDI40-19.E32HR-21	40	8	80	27,5	104	100	72	63	40	2:1	80	3000	H
R1.VDI40-19.E32HR-IC-21	40	8	80	27,5	108,5	100	72	63	40	2:1	80	3000	H

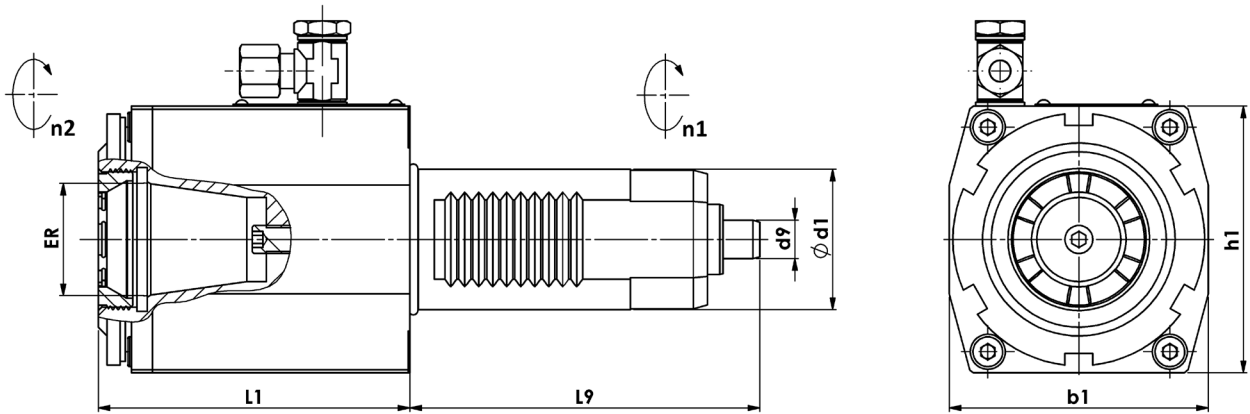
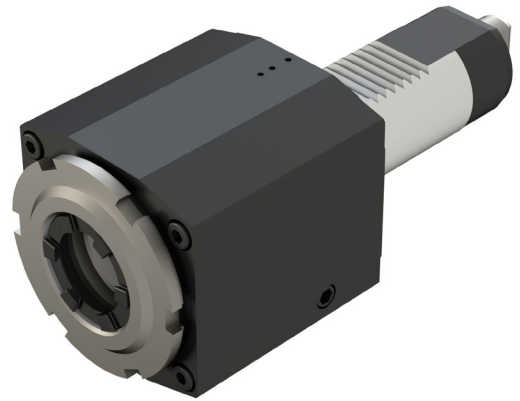
AXIAL DRILLING AND MILLING HEAD



EMAG
VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI40-EG10.E25H	40	11	74	76	86	100	25	1:1	63	5000	H
A0.VDI40-EG10.E25H-IC	40	11	74	76	86	100	25	1:1	63	5000	H
A0.VDI40-EG10.E25H68	40	11	74	76	68	100	25	1:1	63	5000	H
A0.VDI40-EG10.E32H	40	11	74	76	89	100	32	1:1	63	5000	H
A0.VDI40-EG10.E32H-IC	40	11	74	76	89	100	32	1:1	63	5000	H
A0.VDI40-EG10.E32H71	40	11	74	76	71	100	32	1:1	63	5000	H
A0.VDI40-EG10.E25P	40	11	74	76	86	100	25	1:1	63	10000	P
A0.VDI40-EG10.E25P-IC	40	11	74	76	86	100	25	1:1	63	10000	P
A0.VDI40-EG10.E25P68	40	11	74	76	68	100	25	1:1	63	10000	P
A0.VDI40-EG10.E32P	40	11	74	76	89	100	32	1:1	63	10000	P
A0.VDI40-EG10.E32P-IC	40	11	74	76	89	100	32	1:1	63	10000	P
A0.VDI40-EG10.E32P71	40	11	74	76	71	100	32	1:1	63	10000	P

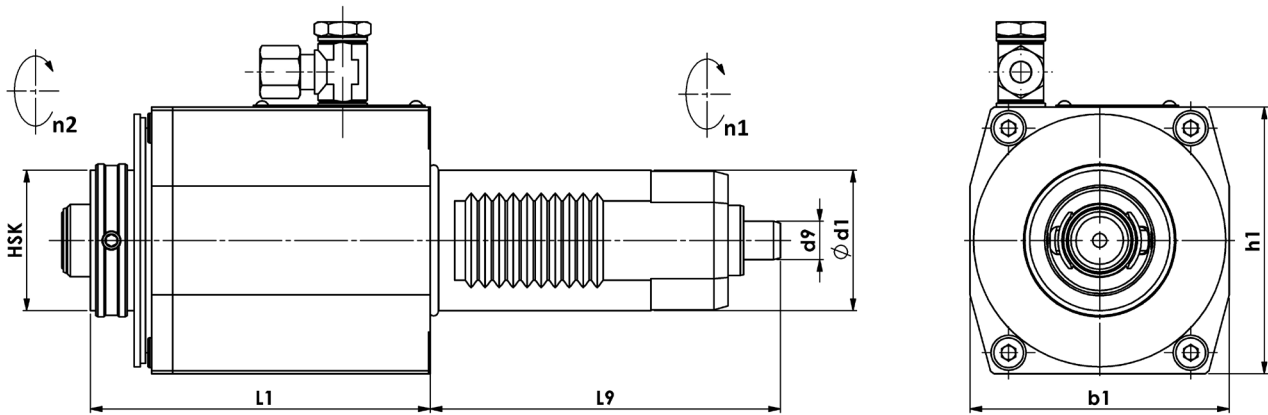
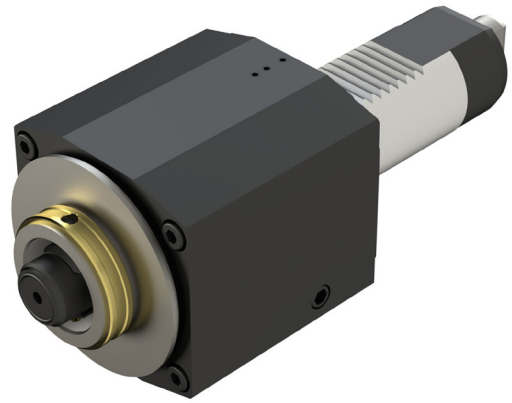
AXIAL DRILLING AND MILLING HEAD



EMAG
VDI CLAMPING - DIN 69 880



HSK CLAMPING



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	HSK	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI40-EG10.H40H	40	11	74	76	97	100	40	1:1	63	5000	H
A0.VDI40-EG10.H40H-IC	40	11	74	76	97	100	40	1:1	63	5000	H
A0.VDI40-EG10.H40H79	40	11	74	76	79	100	40	1:1	63	5000	H
A0.VDI40-EG10.H40P	40	11	74	76	97	100	40	1:1	63	10000	P
A0.VDI40-EG10.H40P-IC	40	11	74	76	97	100	40	1:1	63	10000	P
A0.VDI40-EG10.H40P79	40	11	74	76	79	100	40	1:1	63	10000	P

AXIAL DRILLING AND MILLING HEAD

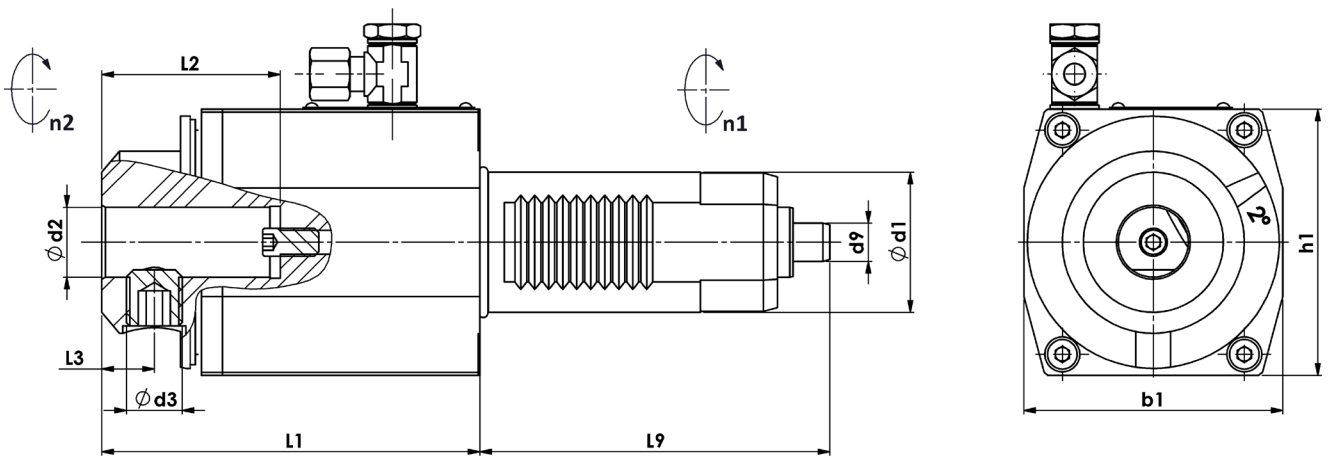
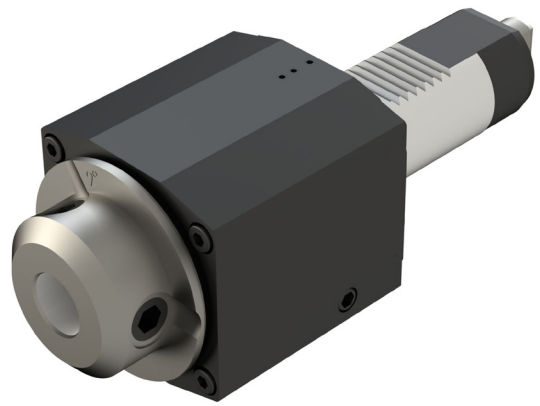


EMAG

VDI CLAMPING - DIN 69 880



WELDON CLAMPING



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₂	d ₃	d ₉	b ₁	h ₁	L ₁	L ₂	L ₃	L ₉	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI40-EG10.W20H	40	20	M16	11	74	76	108	51	15	100	1:1	63	5000	H
A0.VDI40-EG10.W20H-IC	40	20	M16	11	74	76	108	51	15	100	1:1	63	5000	H

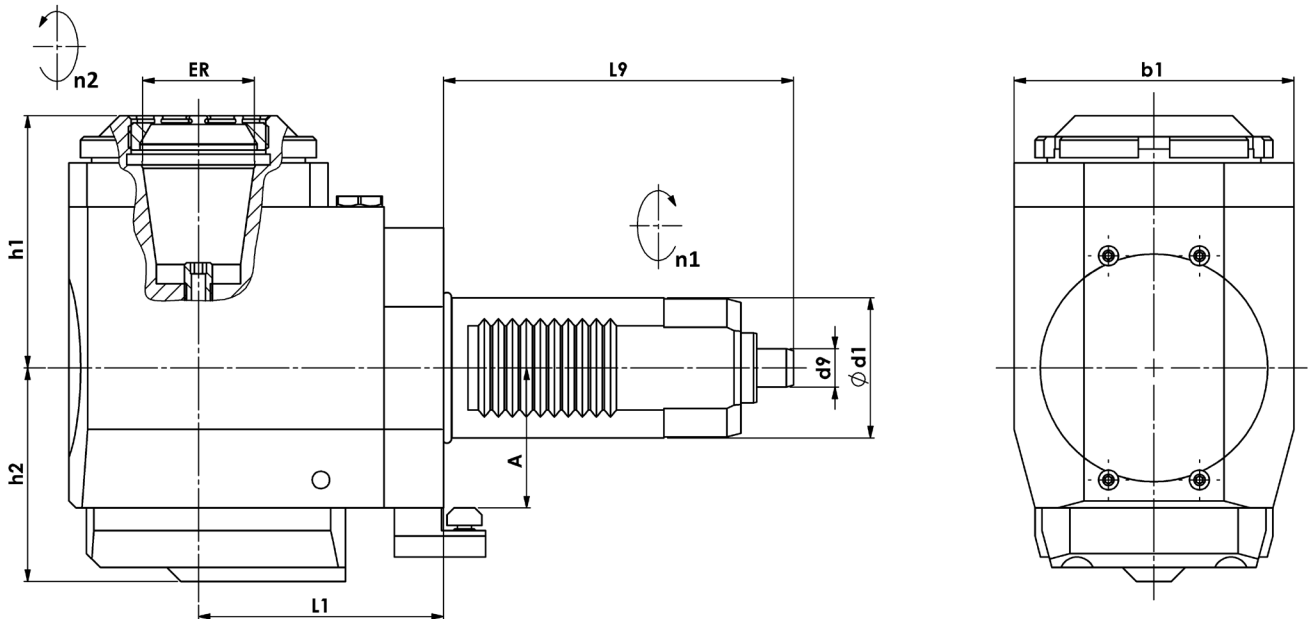
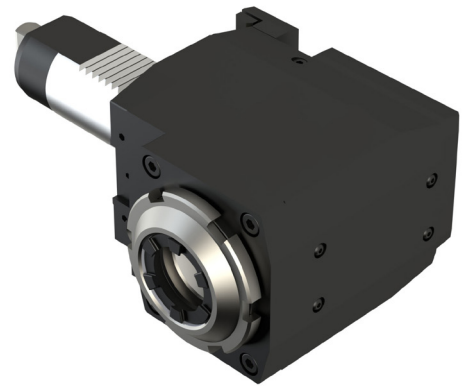
RADIAL DRILLING AND MILLING HEAD



EMAG
VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.VDI40-EG10.E25HL-G	40	11	80	70	56,5	70	100	40	25	1:1	63	5000	H
R0.VDI40-EG10.E25HL-IC-G	40	11	80	70	61	70	100	40	25	1:1	63	5000	H
R0.VDI40-EG10.E25PL-G	40	11	80	70	56,5	70	100	40	25	1:1	63	10000	P
R0.VDI40-EG10.E25PL-IC-G	40	11	80	70	61	70	100	40	25	1:1	63	10000	P
R0.VDI40-EG10.E25PL-12-G	40	11	80	70	56,5	70	100	40	25	1:2	25	10000	P
R0.VDI40-EG10.E25PL-IC-12-G	40	11	80	70	61	70	100	40	25	1:2	25	10000	P
R0.VDI40-EG10.E32HL-G	40	11	80	72	56,5	70	100	40	32	1:1	63	5000	H
R0.VDI40-EG10.E32HL-IC-G	40	11	80	72	61	70	100	40	32	1:1	63	5000	H
R0.VDI40-EG10.E32PL-G	40	11	80	72	56,5	70	100	40	32	1:1	63	10000	P
R0.VDI40-EG10.E32PL-IC-G	40	11	80	72	61	70	100	40	32	1:1	63	10000	P
R0.VDI40-EG10.E32HL-21-G	40	11	80	72	56,5	70	100	40	32	2:1	80	3000	H
R0.VDI40-EG10.E32HL-IC-21-G	40	11	80	72	61	70	100	40	32	2:1	80	3000	H

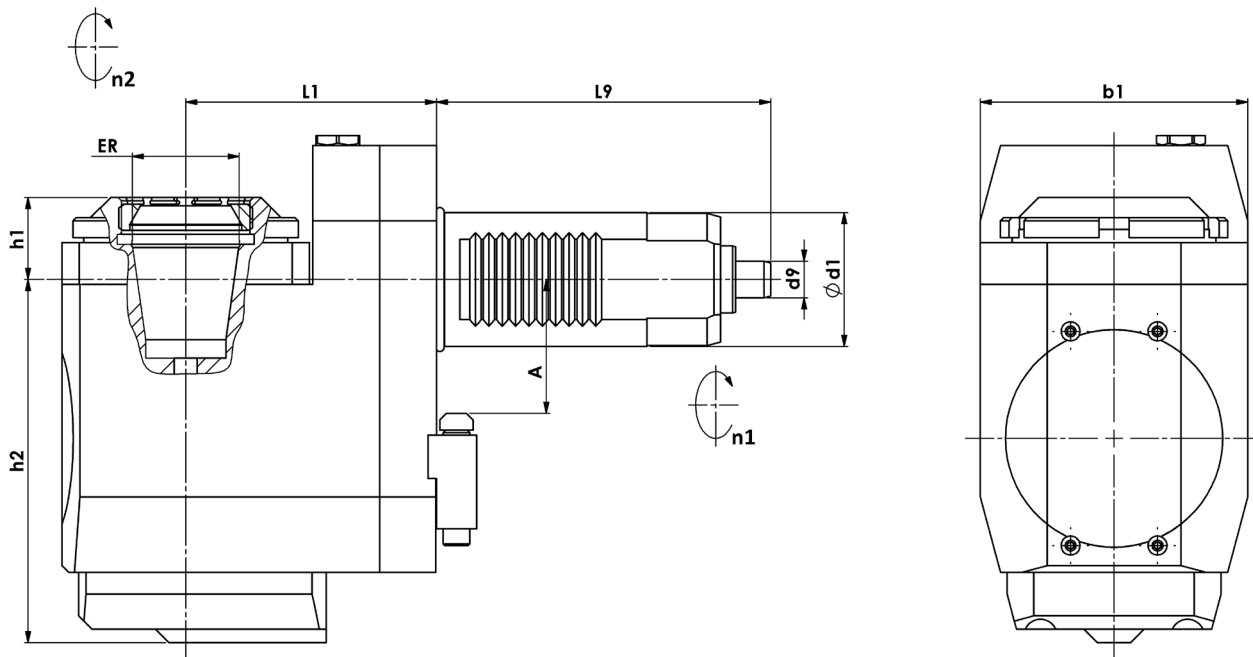
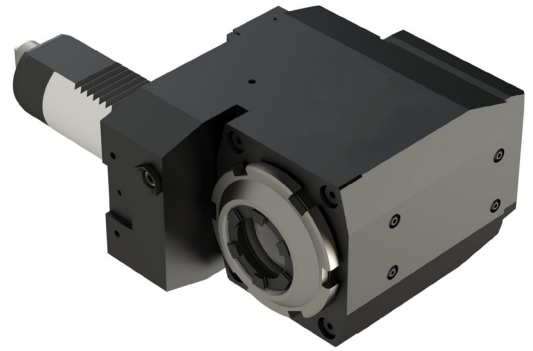
RADIAL DRILLING AND MILLING HEAD - OFFSET



EMAG
VDI CLAMPING - DIN 69 880



COLLET CHUCK ER



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d_1	d_9	b_1	h_1	h_2	L_1	L_9	A	ER	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R1.VDI40-EG10.E25HL	40	11	80	22,5	104	70	100	40	25	1:1	63	5000	H
R1.VDI40-EG10.E25HL-IC	40	11	80	22,5	108,5	70	100	40	25	1:1	63	5000	H
R1.VDI40-EG10.E25PL	40	11	80	22,5	104	70	100	40	25	1:1	63	10000	P
R1.VDI40-EG10.E25PL-IC	40	11	80	22,5	108,5	70	100	40	25	1:1	63	10000	P
R1.VDI40-EG10.E25PL-12	40	11	80	22,5	104	70	100	40	25	1:2	25	10000	P
R1.VDI40-EG10.E25PL-IC-12	40	11	80	22,5	108,5	70	100	40	25	1:2	25	10000	P
R1.VDI40-EG10.E32HL	40	11	80	24,5	104	70	100	40	32	1:1	63	5000	H
R1.VDI40-EG10.E32HL-IC	40	11	80	24,5	108,5	70	100	40	32	1:1	63	5000	H
R1.VDI40-EG10.E32PL	40	11	80	24,5	104	70	100	40	32	1:1	63	10000	P
R1.VDI40-EG10.E32PL-IC	40	11	80	24,5	108,5	70	100	40	32	1:1	63	10000	P
R1.VDI40-EG10.E32HL-21	40	11	80	24,5	104	70	100	40	32	2:1	80	3000	H
R1.VDI40-EG10.E32HL-IC-21	40	11	80	24,5	108,5	70	100	40	32	2:1	80	3000	H

RADIAL DRILLING AND MILLING HEAD - OFFSET

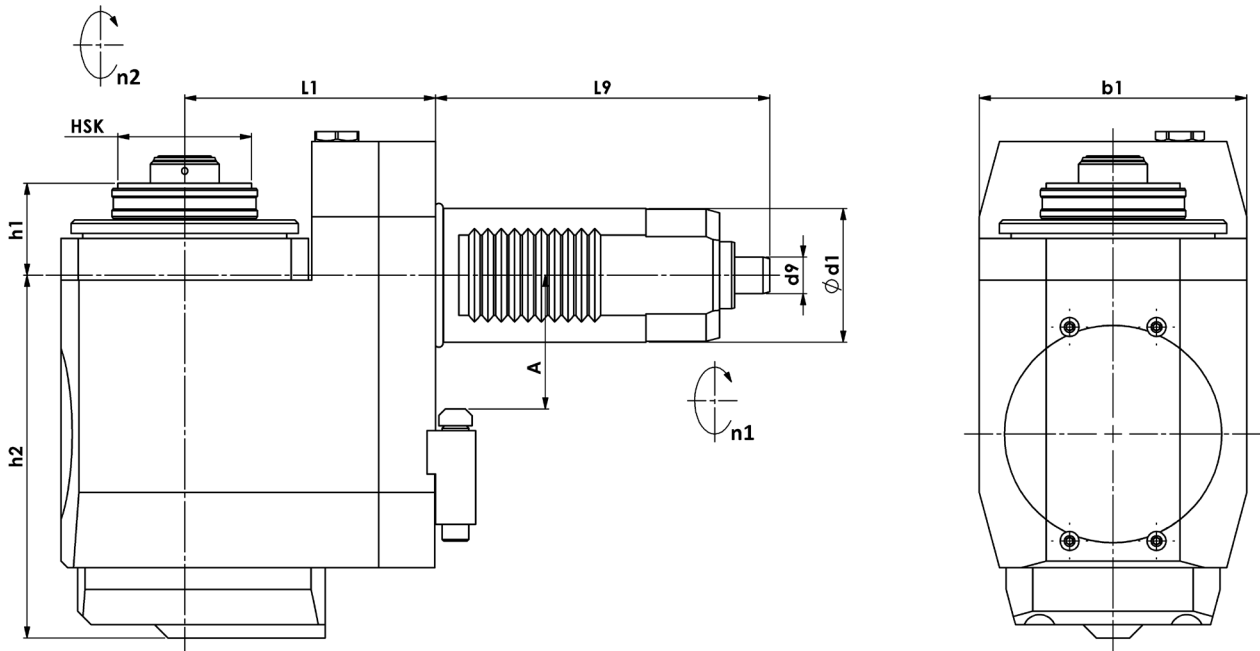
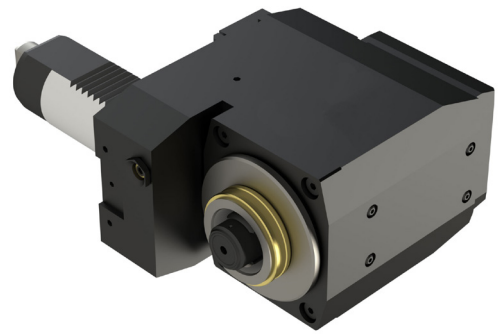


EMAG

VDI CLAMPING - DIN 69 880



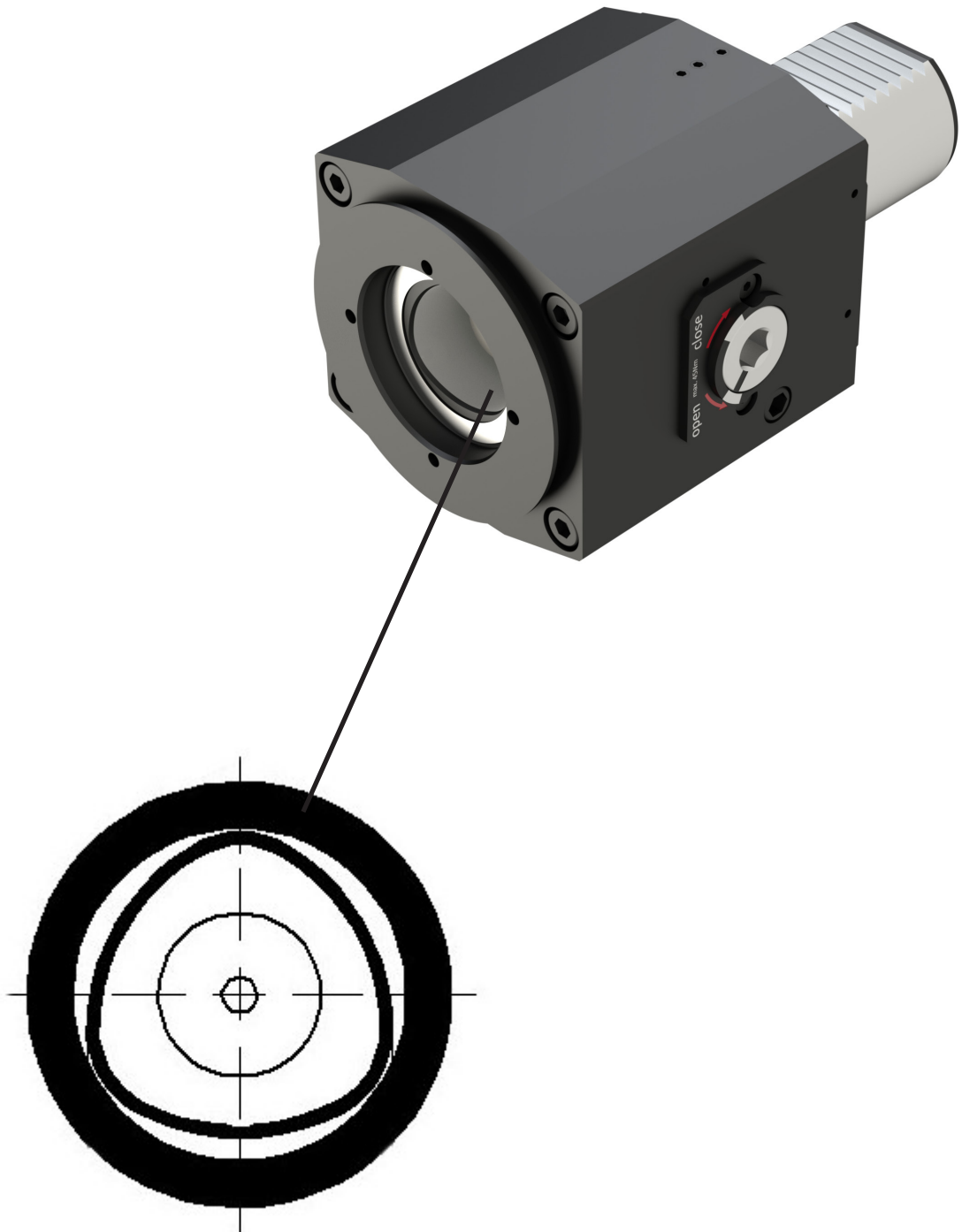
HSK CLAMPING



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d_1	d_9	b_1	h_1	h_2	L_1	L_9	A	HSK	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R1.VDI40-EG10.H40HL	40	11	80	27,5	104	75	100	40	40	1:1	63	5000	H
R1.VDI40-EG10.H40HL-IC	40	11	80	27,5	108,5	75	100	40	40	1:1	63	5000	H
R1.VDI40-EG10.H40PL	40	11	80	27,5	104	75	100	40	40	1:1	63	10000	P
R1.VDI40-EG10.H40PL-IC	40	11	80	27,5	108,5	75	100	40	40	1:1	63	10000	P
R1.VDI40-EG10.H40PL-12	40	11	80	27,5	104	75	100	40	40	1:2	25	10000	P
R1.VDI40-EG10.H40PL-IC-12	40	11	80	27,5	108,5	75	100	40	40	1:2	25	10000	P
R1.VDI40-EG10.H40HL-21	40	11	80	27,5	104	75	100	40	40	2:1	80	3000	H
R1.VDI40-EG10.H40HL-IC-21	40	11	80	27,5	108,5	75	100	40	40	2:1	80	3000	H

PSC DIN ISO 26623-2 - CAPTO COMPATIBLE DRIVEN TOOLS



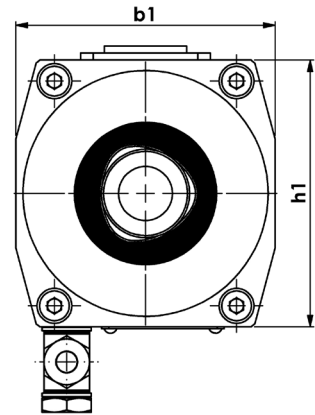
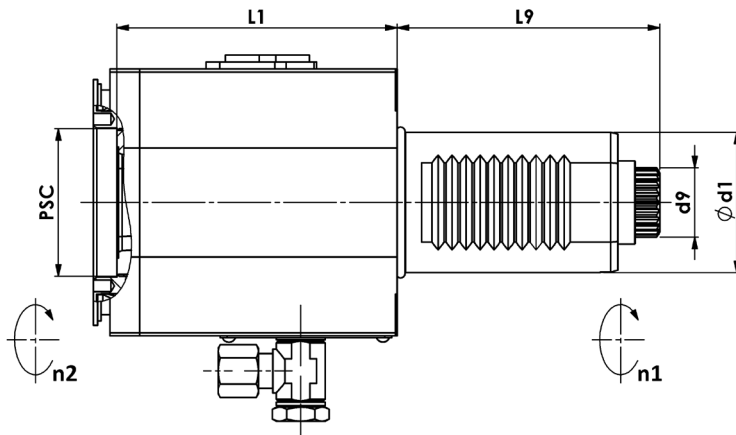
AXIAL DRILLING AND MILLING HEAD



DIN 5480 SAUTER
VDI CLAMPING - DIN 69 880



DIN ISO 26623-2 PSC (CAPTO COMPATIBLE)



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	PSC	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI30-50.C3P-L	30	W16x0,8x30x18	67	67	74	67	32	1:1	32	10000	P
A0.VDI30-50.C3P-IC-L	30	W16x0,8x30x18	67	67	74	67	32	1:1	32	10000	P
A0.VDI40-50.C4P-L	40	W20x0,8x30x24	74	76	80	75	40	1:1	63	10000	P
A0.VDI40-50.C4P-IC-L	40	W20x0,8x30x24	74	76	80	75	40	1:1	63	10000	P
A0.VDI40-50.C4P62-L	40	W20x0,8x30x24	74	76	62	75	40	1:1	63	10000	P
A0.VDI40-50.C4H-L	40	W20x0,8x30x24	74	76	80	75	40	1:1	63	5000	H

AXIAL DRILLING AND MILLING HEAD

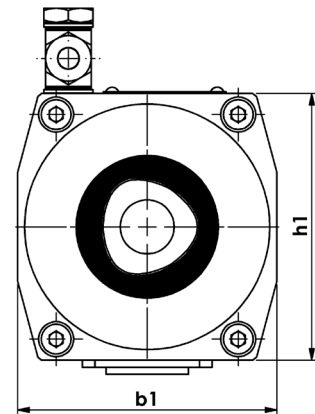
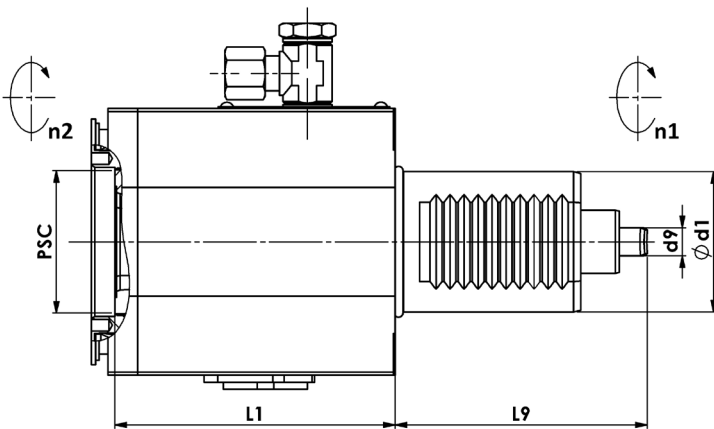


DIN 1809 DUPLOMATIC

VDI CLAMPING - DIN 69 880



DIN ISO 26623-2 PSC (CAPTO COMPATIBLE)



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	PSC	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI30-19.C3P-R	30	6	67	67	74	62	32	1:1	32	10000	P
A0.VDI30-19.C3P-IC-R	30	6	67	67	74	62	32	1:1	32	10000	P
A0.VDI40-19.C4P-R	40	8	74	76	80	72	40	1:1	63	10000	P
A0.VDI40-19.C4P-IC-R	40	8	74	76	80	72	40	1:1	63	10000	P
A0.VDI40-19.C4P62-R	40	8	74	76	62	72	40	1:1	63	10000	P
A0.VDI40-19.C4H-R	40	8	74	76	80	72	40	1:1	63	5000	H

AXIAL DRILLING AND MILLING HEAD

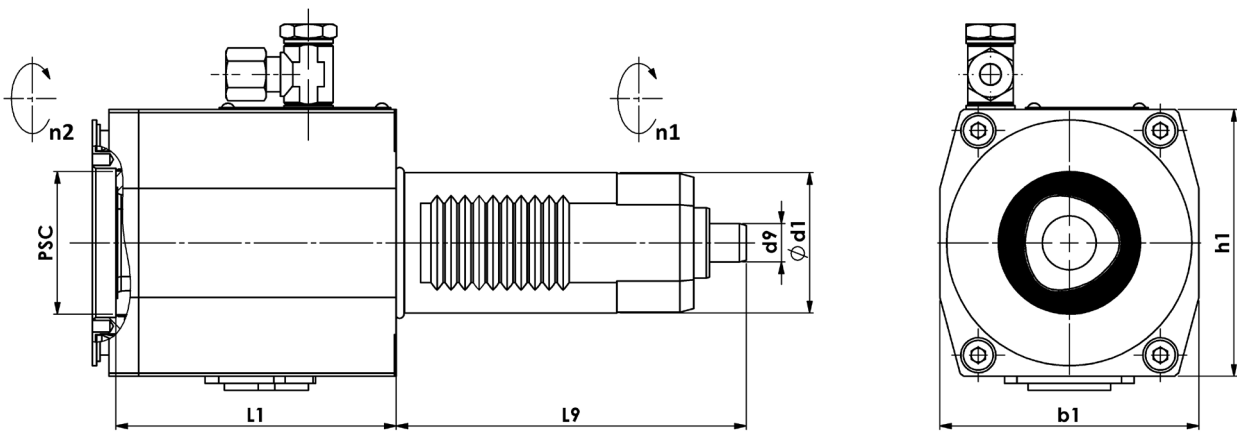


EMAG

VDI CLAMPING - DIN 69 880



DIN ISO 26623-2 PSC (CAPTO COMPATIBLE)



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	L ₁	L ₉	PSC	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.VDI40-EG10.C4P-R	40	11	74	76	80	100	40	1:1	63	10000	P
A0.VDI40-EG10.C4P-IC-R	40	11	74	76	80	100	40	1:1	63	10000	P
A0.VDI40-EG10.C4P62-R	40	11	74	76	62	100	40	1:1	63	10000	P
A0.VDI40-EG10.C4H-R	40	11	74	76	80	100	40	1:1	63	5000	H

RADIAL DRILLING AND MILLING HEAD

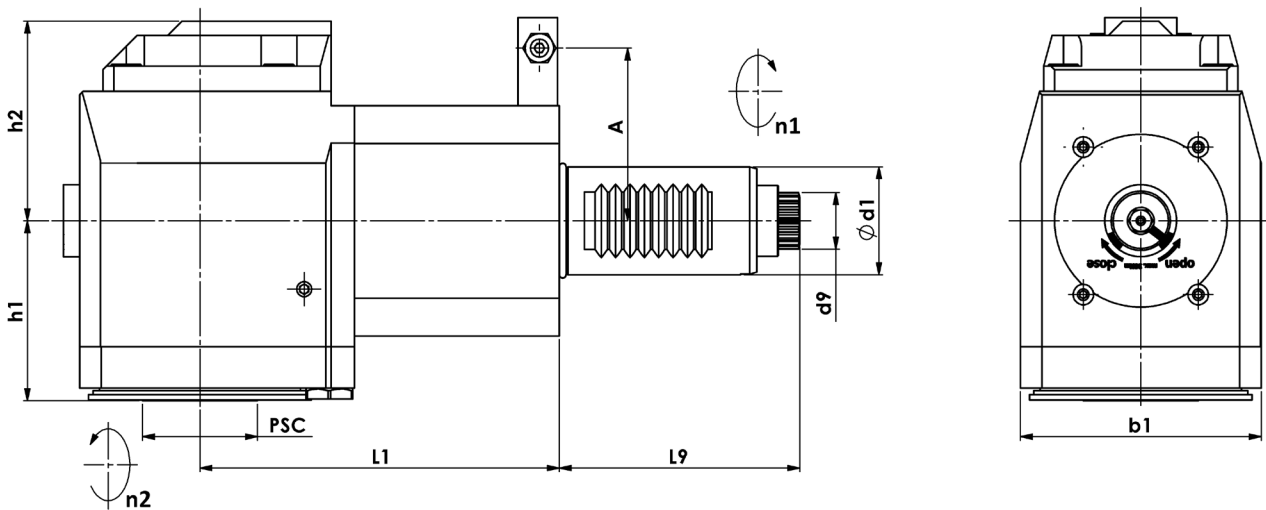
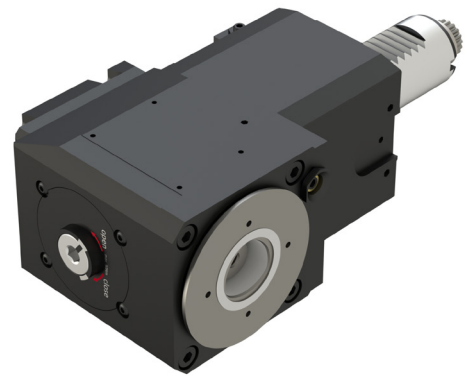


DIN 5480 SAUTER (STAR TURRET)

VDI CLAMPING - DIN 69 880



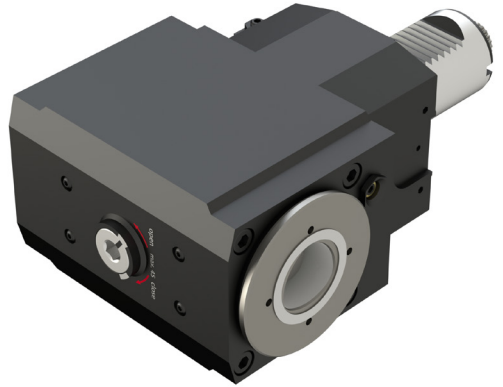
DIN ISO 26623-2 PSC (CAPTO COMPATIBLE)



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	PSC	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.VDI30-50A.C3HRL-G	30	W16x0,8x30x18	67	50	51,5	85	67	48	32	1:1	32	6000	H
R0.VDI30-50A.C3HRL-IC-G	30	W16x0,8x30x18	67	50	55,5	85	67	48	32	1:1	32	6000	H
R0.VDI30-50A.C3PRL-G	30	W16x0,8x30x18	67	50	51,5	85	67	48	32	1:1	32	10000	P
R0.VDI30-50A.C3PRL-IC-G	30	W16x0,8x30x18	67	50	55,5	85	67	48	32	1:1	32	10000	P
R0.VDI30-50B.C3HRL-G	30	W16x0,8x30x18	67	50	51,5	100	67	48	32	1:1	32	6000	H
R0.VDI30-50B.C3HRL-IC-G	30	W16x0,8x30x18	67	50	55,5	100	67	48	32	1:1	32	6000	H
R0.VDI30-50B.C3PRL-G	30	W16x0,8x30x18	67	50	51,5	100	67	48	32	1:1	32	10000	P
R0.VDI30-50B.C3PRL-IC-G	30	W16x0,8x30x18	67	50	55,5	100	67	48	32	1:1	32	10000	P
R0.VDI30-50C.C3HRL-G	30	W16x0,8x30x18	67	50	51,5	120	67	48	32	1:1	32	6000	H
R0.VDI30-50C.C3HRL-IC-G	30	W16x0,8x30x18	67	50	55,5	120	67	48	32	1:1	32	6000	H
R0.VDI30-50C.C3PRL-G	30	W16x0,8x30x18	67	50	51,5	120	67	48	32	1:1	32	10000	P
R0.VDI30-50C.C3PRL-IC-G	30	W16x0,8x30x18	67	50	55,5	120	67	48	32	1:1	32	10000	P

RADIAL DRILLING AND MILLING HEAD

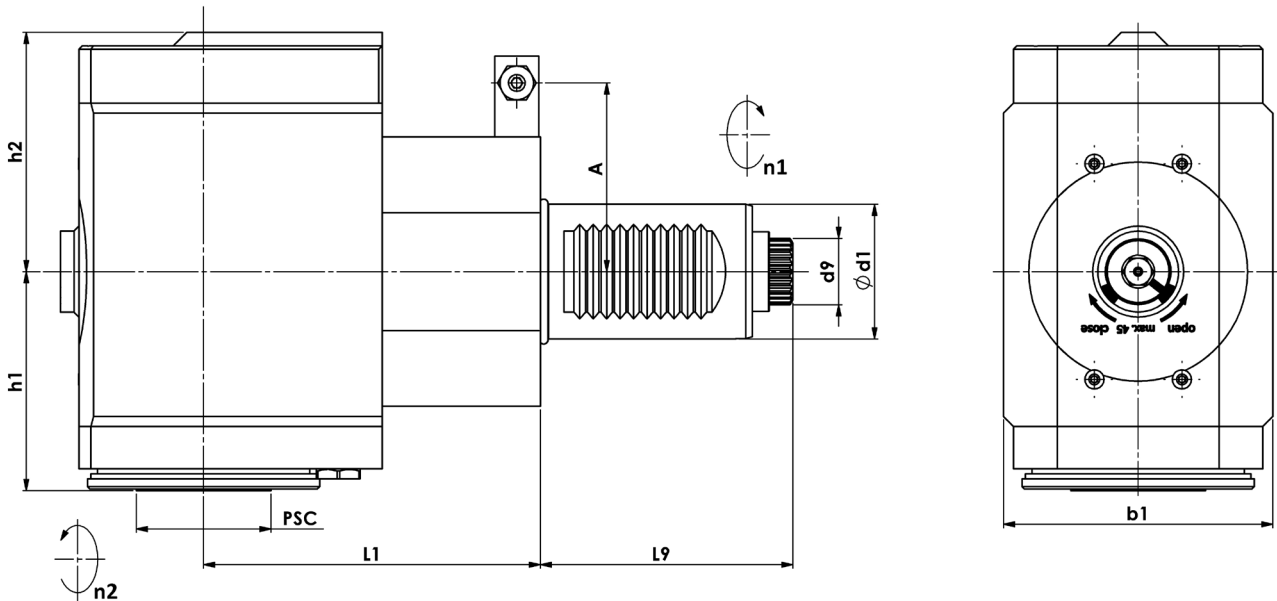


DIN 5480 SAUTER (STAR TURRET)

VDI CLAMPING - DIN 69 880



DIN ISO 26623-2 PSC (CAPTO COMPATIBLE)



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	PSC	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.VDI40-50B.C4HRL-G	40	W20x0,8x30x24	80	65	66,5	100	75	56	40	1:1	63	5000	H
R0.VDI40-50B.C4HRL-IC-G	40	W20x0,8x30x24	80	65	71	100	75	56	40	1:1	63	5000	H
R0.VDI40-50B.C4PRL-G	40	W20x0,8x30x24	80	65	66,5	100	75	56	40	1:1	63	10000	P
R0.VDI40-50B.C4PRL-IC-G	40	W20x0,8x30x24	80	65	71	100	75	56	40	1:1	63	10000	P
R0.VDI40-50C.C4HRL-G	40	W20x0,8x30x24	80	65	66,5	120	75	56	40	1:1	63	5000	H
R0.VDI40-50C.C4HRL-IC-G	40	W20x0,8x30x24	80	65	71	120	75	56	40	1:1	63	5000	H
R0.VDI40-50C.C4PRL-G	40	W20x0,8x30x24	80	65	66,5	120	75	56	40	1:1	63	10000	P
R0.VDI40-50C.C4PRL-IC-G	40	W20x0,8x30x24	80	65	71	120	75	56	40	1:1	63	10000	P

RADIAL DRILLING AND MILLING HEAD

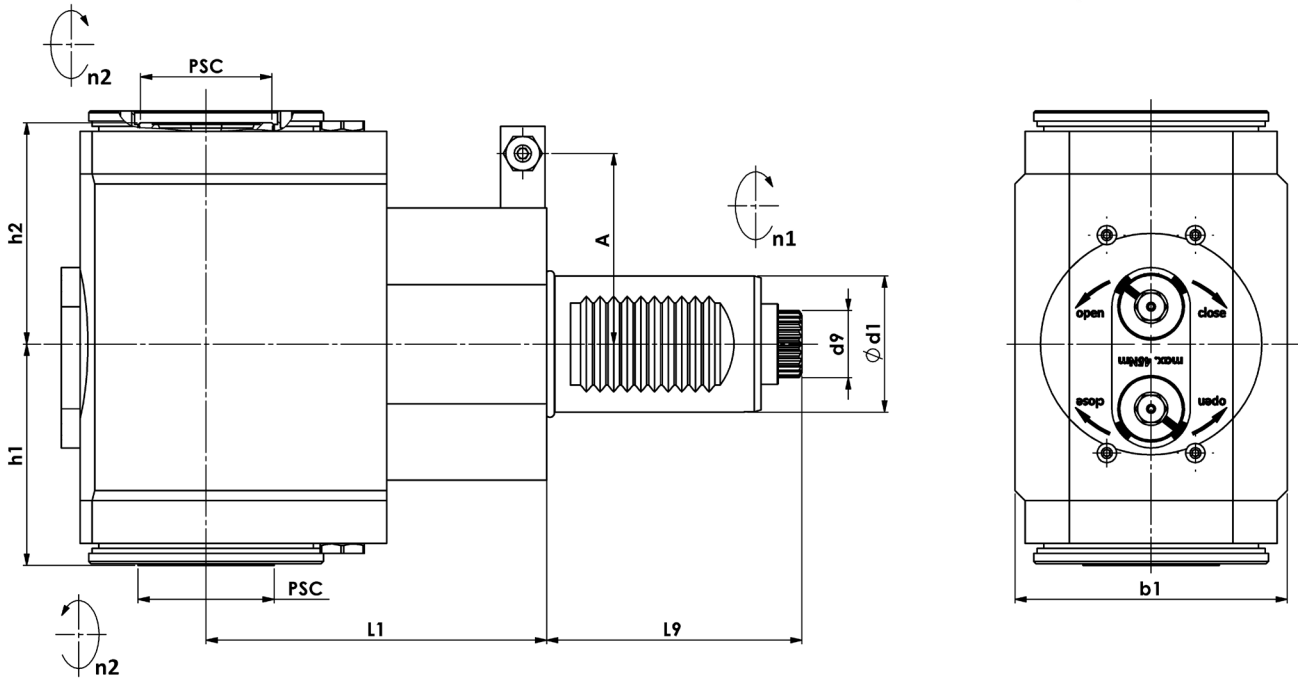
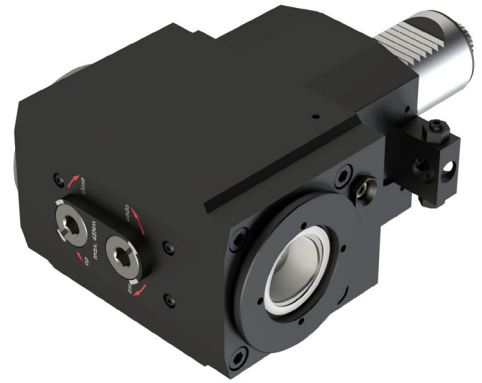


DIN 5480 SAUTER (STAR TURRET)

VDI CLAMPING - DIN 69 880



DIN ISO 26623-2 PSC (CAPTO COMPATIBLE)



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	A	PSC	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.VDI40-50B.C4DHRL	40	W20x0,8x30x24	80	65	65	100	75	56	40	1:1	63	5000	H
R0.VDI40-50B.C4DPRL	40	W20x0,8x30x24	80	65	65	100	75	56	40	1:1	63	10000	P
R0.VDI40-50C.C4DHRL	40	W20x0,8x30x24	80	65	65	120	75	56	40	1:1	63	5000	H
R0.VDI40-50C.C4DPRL	40	W20x0,8x30x24	80	65	65	120	75	56	40	1:1	63	10000	P

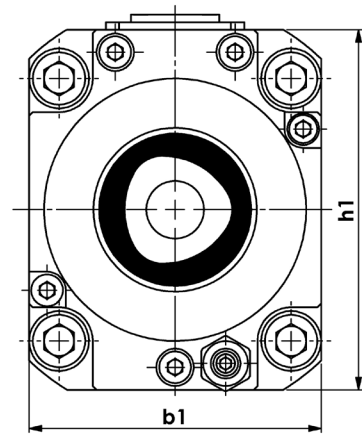
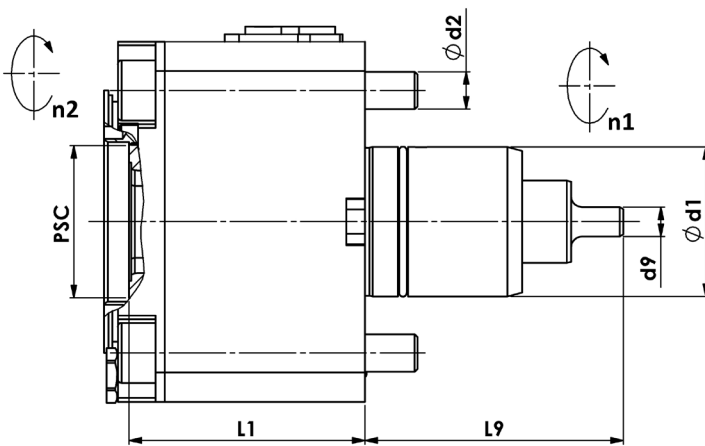
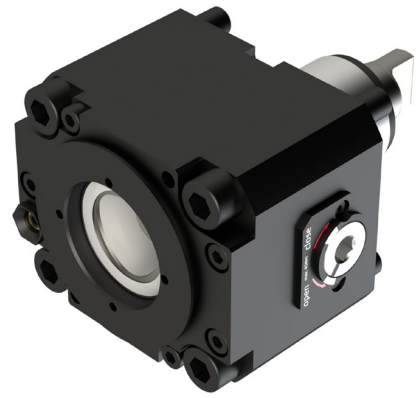
AXIAL DRILLING AND MILLING HEAD



DMGMORI
BMT CLAMPING



DIN ISO 26623-2 PSC (CAPTO COMPATIBLE)



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₂	d ₉	b ₁	h ₁	L ₁	L ₉	PSC	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
A0.BMT40-MS.C4P	40	M10	8	78	96	63	69	40	1:1	63	10000	P
A0.BMT40-MS.C4P-IC	40	M10	8	78	96	63	69	40	1:1	63	10000	P

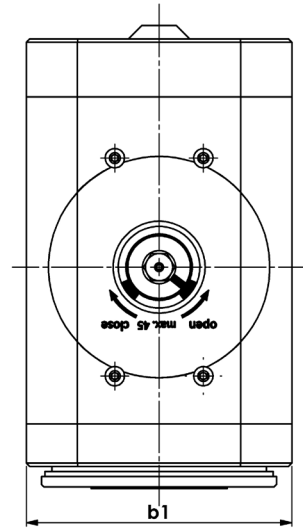
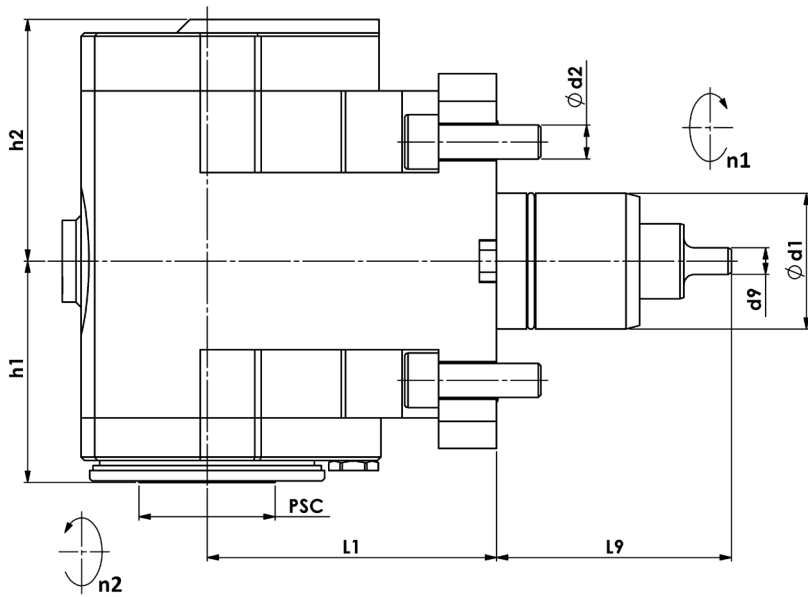
RADIAL DRILLING AND MILLING HEAD



DMGMORI
BMT CLAMPING



DIN ISO 26623-2 PSC (CAPTO COMPATIBLE)



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d_1	d_2	d_9	b_1	h_1	h_2	L_1	L_9	PSC	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.BMT40-MS.C4H-G	40	M10	8	78	65	66,5	85	69	40	1:1	63	5000	H
R0.BMT40-MS.C4H-IC-G	40	M10	8	78	65	71	85	69	40	1:1	63	5000	H
R0.BMT40-MS.C4P-G	40	M10	8	78	65	66,5	85	69	40	1:1	63	10000	H
R0.BMT40-MS.C4P-IC-G	40	M10	8	78	65	71	85	69	40	1:1	63	10000	H

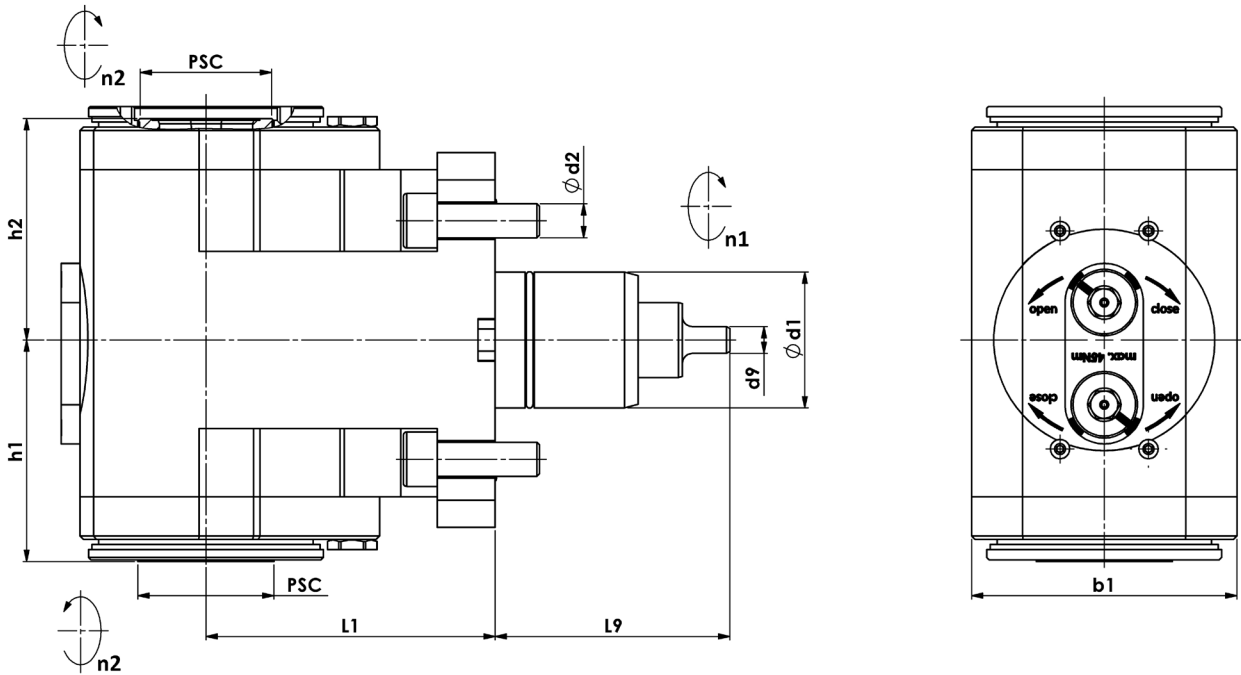
RADIAL DRILLING AND MILLING HEAD - DOUBLE SIDE



DMGMORI
BMT CLAMPING



DIN ISO 26623-2 PSC (CAPTO COMPATIBLE)



H - HEAVY DUTY VERSION, P - PERFORMANCE VERSION

DESIGNATION	d ₁	d ₂	d ₉	b ₁	h ₁	h ₂	L ₁	L ₉	PSC	RATIO	TORQUE (Nm)	SPEED (ot ⁻¹)	VERSION
R0.BMT40-MS.C4DH-G	40	M10	8	78	65	65	85	69	40	1:1	63	5000	H
R0.BMT40-MS.C4DP-G	40	M10	8	78	65	65	85	69	40	1:1	63	10000	P



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