

Precision meets Motion

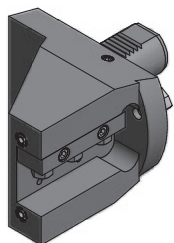


**Werkzeugsysteme für Mazak
MP610 / Hyper Quadrex 150 MSY
MP620 / Hyper Quadrex 200 MSY**

**Tool systems for Mazak
MP610 / Hyper Quadrex 150 MSY
MP620 / Hyper Quadrex 200 MSY**

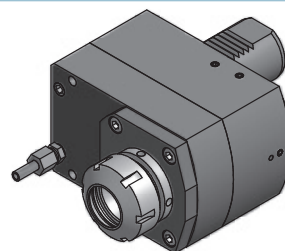
EWS
Tool Technologies

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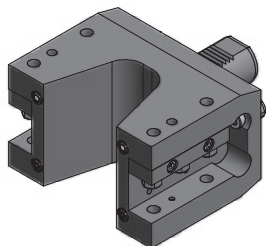
**Drehhalter /
Turning tool holder**

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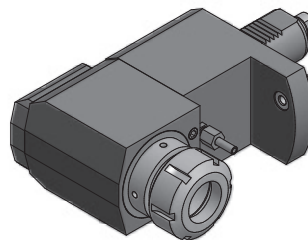
**Axial Bohr- und
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Axial drilling and
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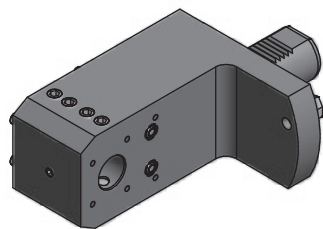
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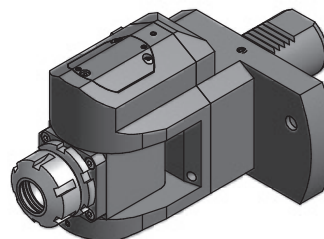
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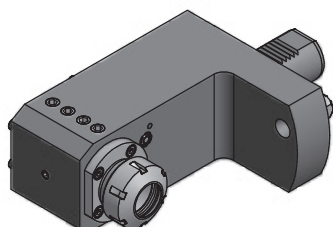
**Kombihalter /
Combi holder**

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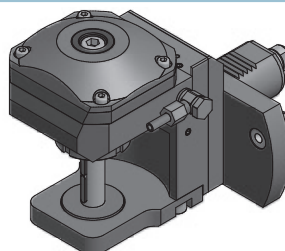
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Swivel head**

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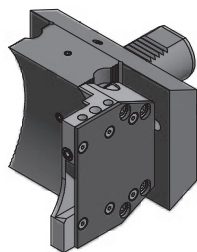
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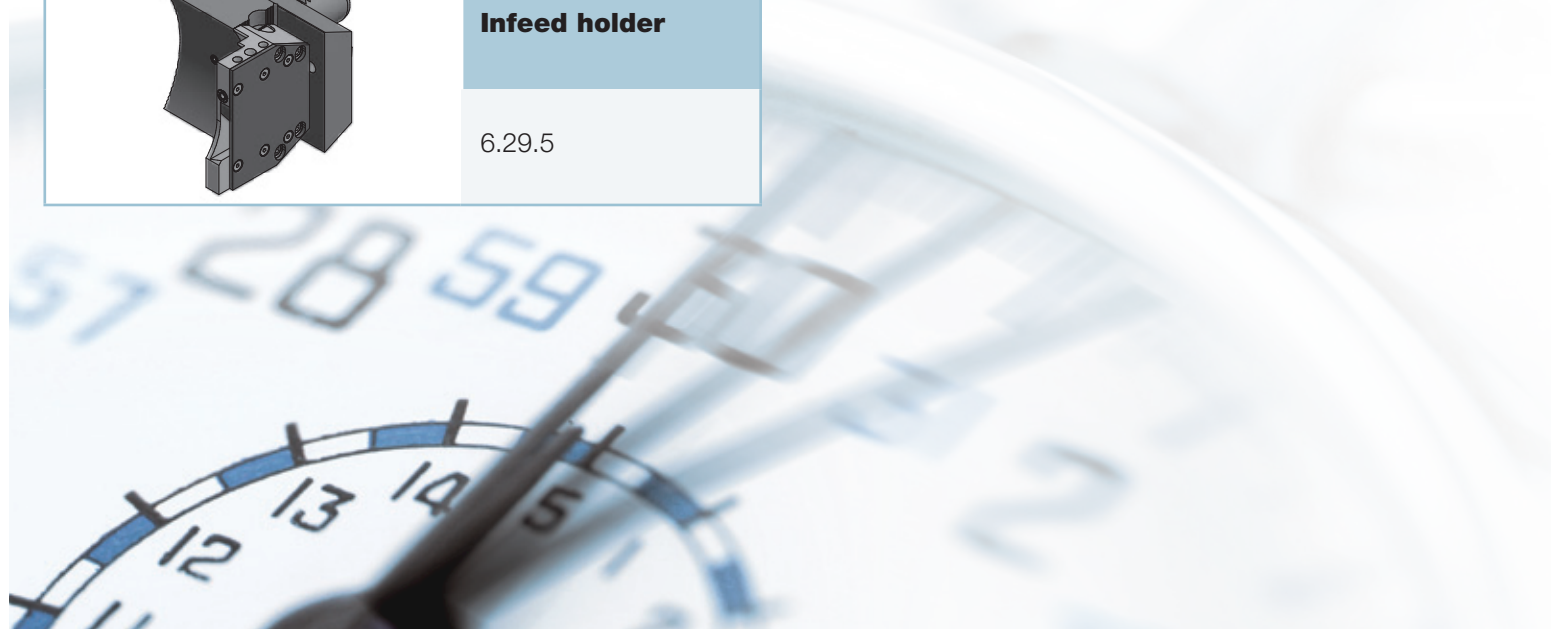
**Scheibenfräskopf /
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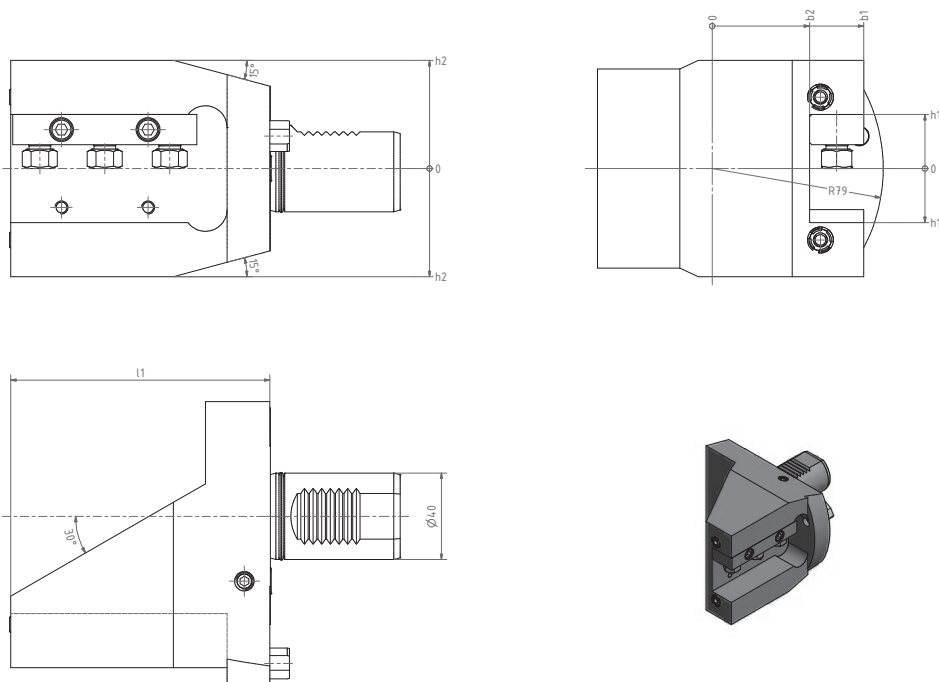


**Abstechhalter /
Infeed holder**

6.29.5

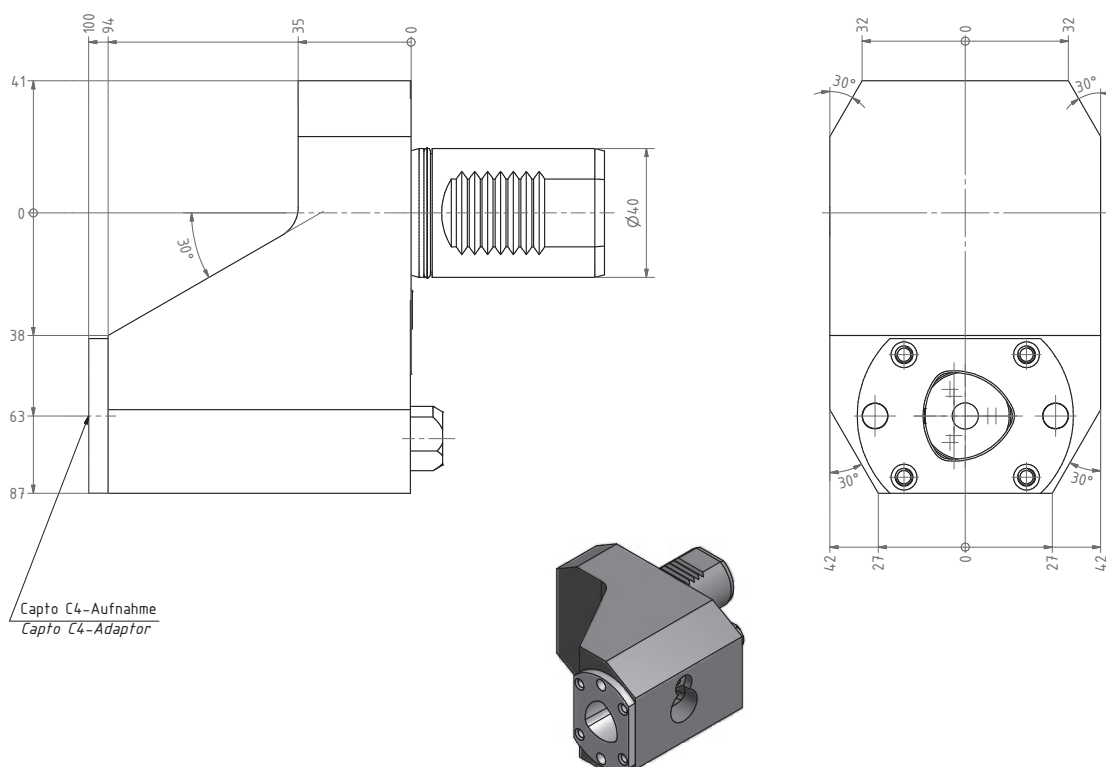


Vierkant Längsaufnahme rechts Turning holder right hand



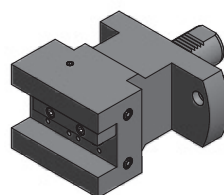
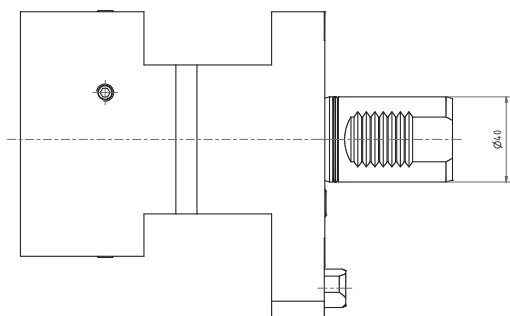
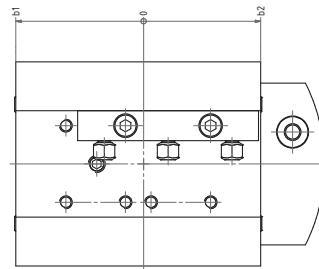
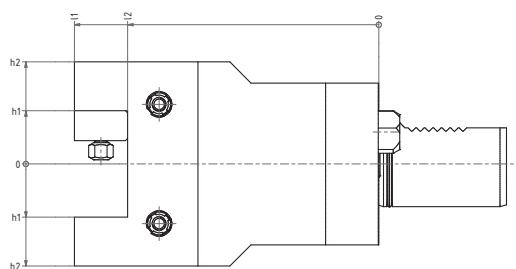
Nr. / No.	l1	h1	h2	b1	b2
1.4020MP610	100	20	38	85	65
1.4025MP610	120	25	50	70	45
1.4025MP620	120	25	50	83	58

Vierkant Längsaufnahme rechts Turning holder right hand



Nr./No.
1.40C4MP620

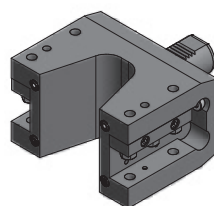
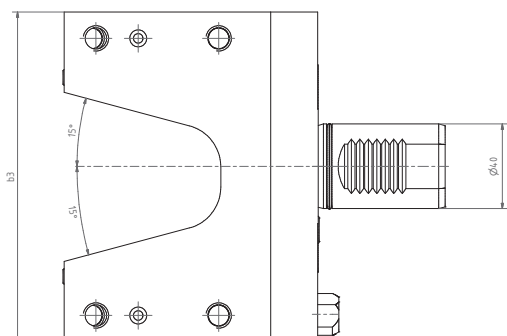
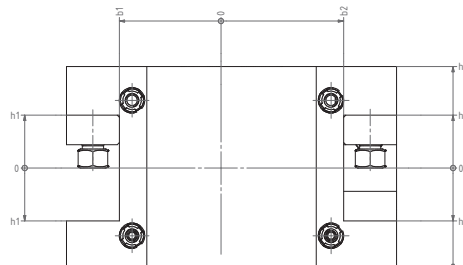
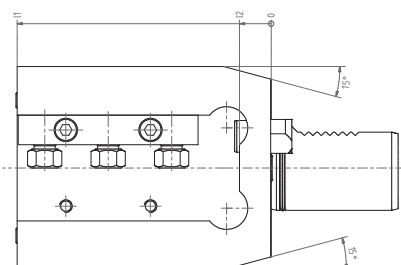
Vierkant Queraufnahme rechts Turning tool right



Nr. / No.	h1	l1	l2	h2	b1	b2
5.4020MP610	20	110	90	38	65	35
5.4025MP610L100	25	100	75	48	65	35
5.4025MP620	25	143	128	48	60	55

Vierkant Mehrfachaufnahme Multi purpose OD/ID holder

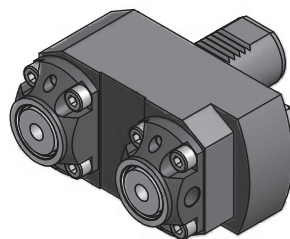
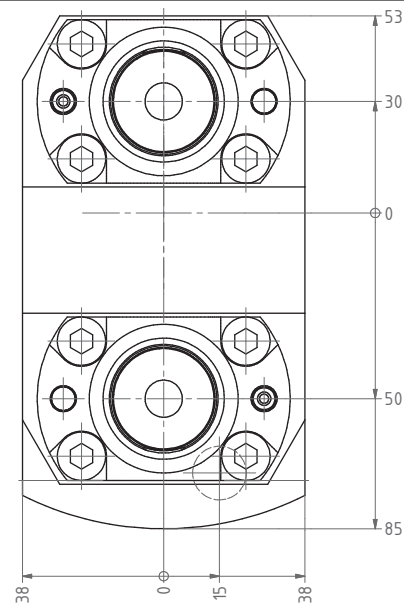
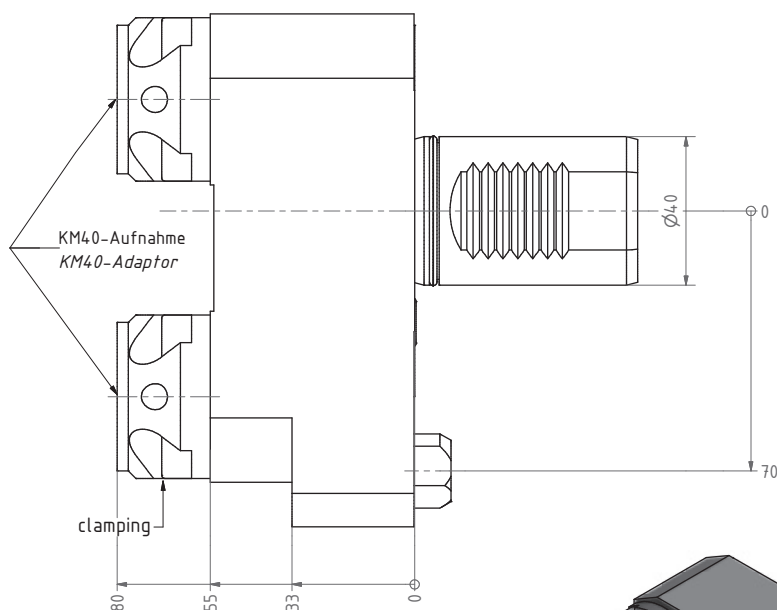
Multi purpose OD/ID holder



Nr. / No.	h1	l1	l2	h2	b1	b2	b3
15.4020MP610	20	100	12	38	45	65	150
15.4025MP610S01	20	110	15	38	45	65	150
15.4025MP620	25	120	15	48	48	58	156

Vierkant Mehrfachaufnahme

Multi purpose OD/ID holder

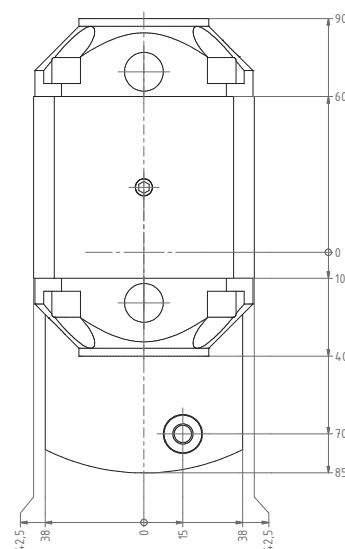
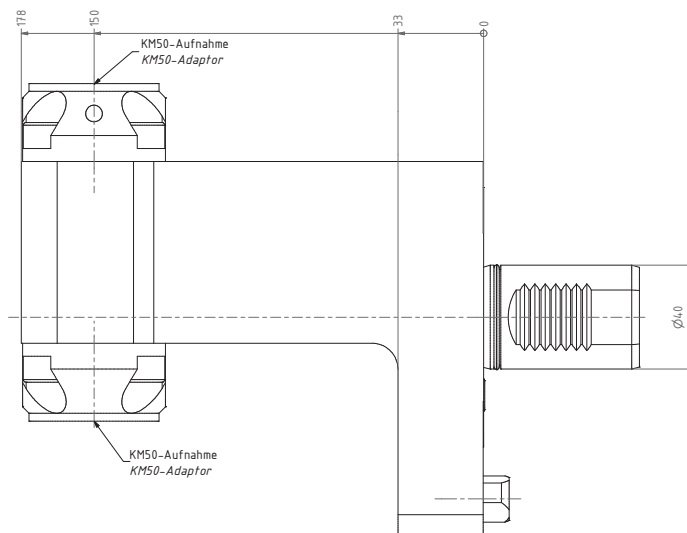


Nr./No.

15.40KM40MP620

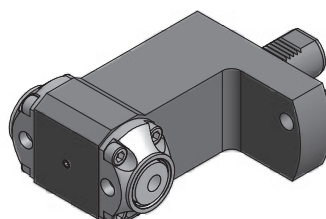
Kombihalter

Combi holder



doppelseitig / double

für Innen- und Außenkühlung /
for internal and external cooling

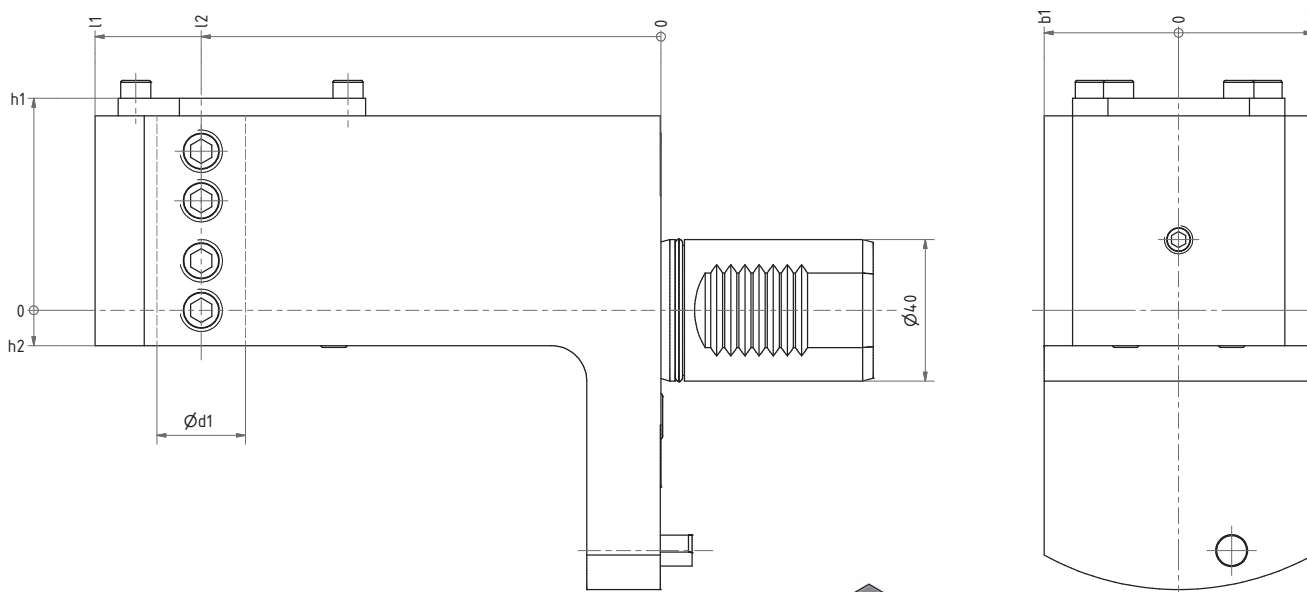


Nr./No.

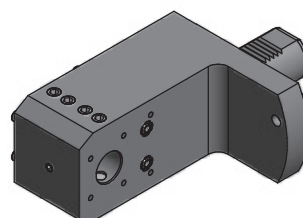
17.40KM50DMP620

Kombihalter

Combi holder



**für Innen- und Außenkühlung /
for internal and external cooling**



D = doppelseitig / double sided

Nr. / No.	d1	l1	l2	h1	h2	b1
17.4025MP610	25	160	130	60	10	38
17.4032MP610	32	160	130	60	10	38
17.4025MP620	25	180	150	65	10	38
17.4025MP620Z-40	25	180	150	75	-40	38
17.4032DMP620	32	180	150	75	35	38
17.4040MP620	40	180	150	65	10	38
17.4050MP620	50	180	150	65	10	38

Andere Ø auf Anfrage verfügbar / additional Ø available on request

Reduzierhülsen / Reducing sleeves Ø 25

28.2520S	Ø20	28.2508S	Ø 8
28.2516S	Ø16	28.2506S	Ø 6
28.2512S	Ø12		
28.2510S	Ø10		

andere Ø auf Anfrage / other Ø on request

Reduzierhülsen / Reducing sleeves Ø 40

28.4032S	Ø32	28.4012S	Ø12
28.4025S	Ø25	28.4010S	Ø10
28.4020S	Ø20	28.4008S	Ø 8
28.4016S	Ø16		

andere Ø auf Anfrage / other Ø on request

Reduzierhülsen / Reducing sleeves Ø 32

28.3225G200	Ø25	28.3210G200	Ø10
28.3220G200	Ø20	28.3208G200	Ø 8
28.3216G200	Ø16	28.3206G200	Ø 6
28.3212G200	Ø12		

andere Ø auf Anfrage / other Ø on request

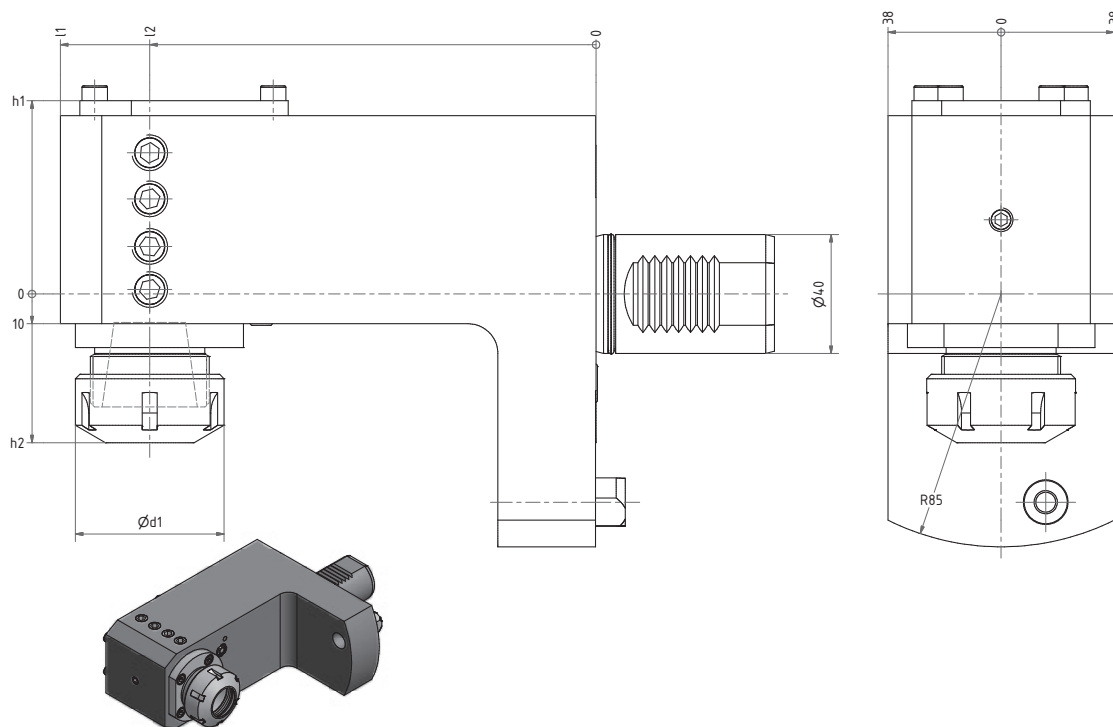
Reduzierhülsen / Reducing sleeves Ø 50

28.5040S	Ø40	28.5016S	Ø16
28.5032S	Ø32	28.5012S	Ø12
28.5025S	Ø25	28.5010S	Ø10
28.5020S	Ø20	28.5008S	Ø 8

andere Ø auf Anfrage / other Ø on request

Spannzangenaufnahme

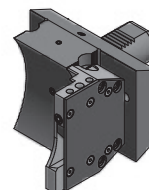
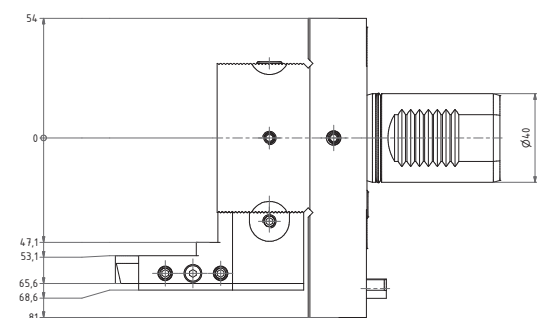
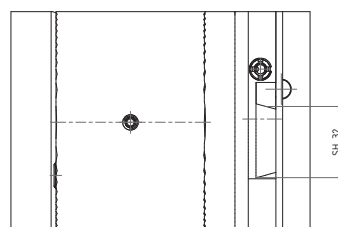
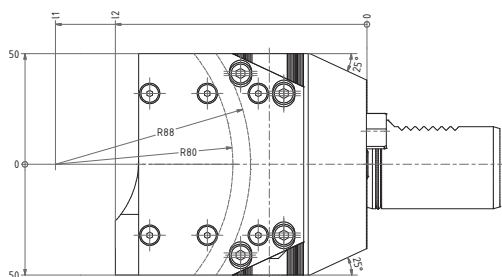
Collet chuck holder



Nr. / No.	Spannzange/ Collet	d1	l1	l2	h1	h2
31.4025MP610	ER25 (2-16)	42	160	130	60	47
31.4032MP620	ER32 (3-20)	50	180	150	65	63

Abstechhalter

Infeed holder

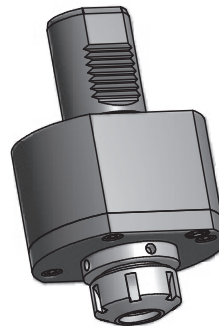
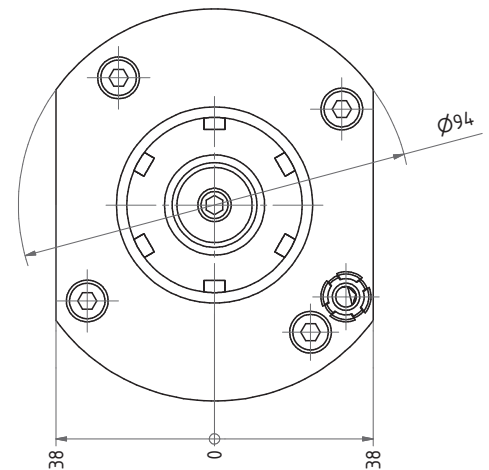
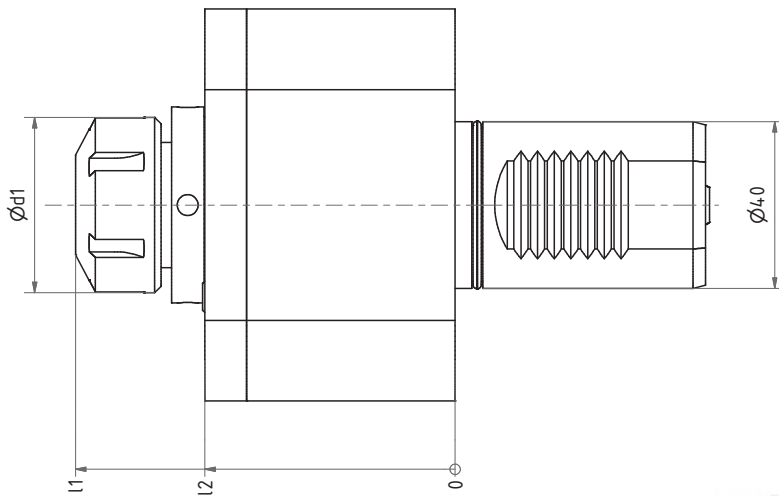


Nr. / No.	l1	l2
32.4032MP610	140,5	113,5
32.4032MP620	145,5	123,5

Weitere Ausführungen auf Anfrage verfügbar / additional constructions available on request

Axial Bohr- und Fräskopf

Axial drilling and milling head



Spannzangenaufnahme / Collet chuck

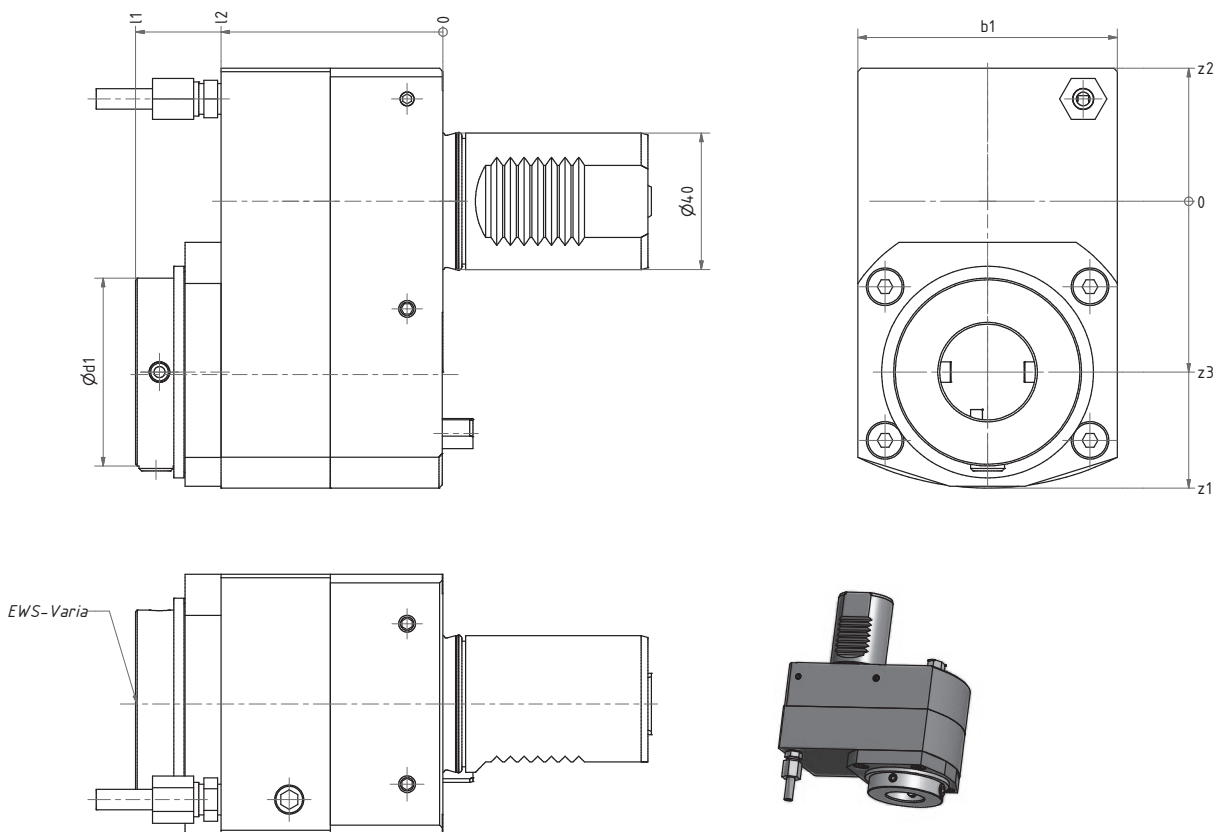
KR = Kegelrollenlager
KR = Taper roller bearing

IK = Innenkühlung
IK = internal cooling

Nr. / No.	Spannzange/ Collet	d1	l1	l2	i	n _{max} 1/min	T _{max} Nm
40.4025MP610	ER25 (2-16)	42	93	60	1:1	6000	50
40.4025MP610IK	ER25 (2-16)	42	109,5	76,5	1:1	6000	50
40.4032MP610	ER32 (3-20)	50	96	60	1:1	6000	50
40.4032MP610IK	ER32 (3-20)	50	112,5	76,5	1:1	6000	50
40.4032MP620	ER32 (3-20)	50	96	60	1:1	6000	50
40.4032MP620IK	ER32 (3-20)	50	112,5	76,5	1:1	6000	50
40.4032KRMP620	ER32 (3-20)	50	112,5	76,5	1:1	6000	50

Axial Bohr- und Fräskopf

Axial drilling and milling head



EWS-Varia

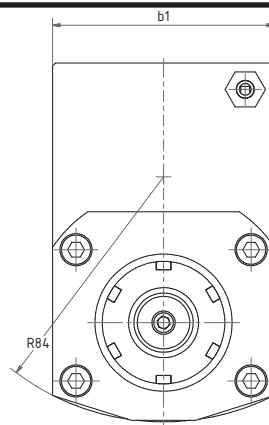
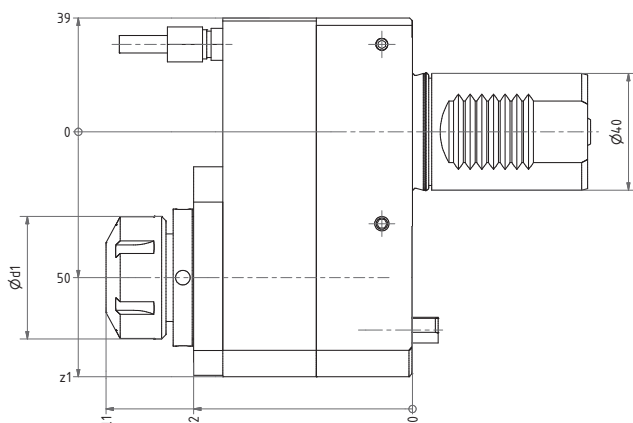
achsenversetzt / offset

IK = Innenkühlung
IK = internal cooling

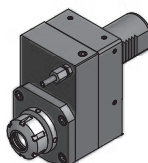
Nr. / No.	EWS-Varia	d1	l1	l2	b1	z1	z2	z3	i	n _{max} 1/min	T _{max} Nm
50.40V3MP610R	V3	55	90	65	76	84	39	50	1:1	6000	50
50.40V3MP610RIK	V3	55	103	78	78	84	39	50	1:1	6000	50
50.40VX3MP610R	VX3	55	90	65	76	84	39	50	1:1	6000	50
50.40VX3MP610RIK	VX3	55	103	78	78	84	39	50	1:1	6000	50
50.40V3MP610RI1	V3	55	103	78	78	84	39	50	1:2	12000	25
50.40V3MP610RIKI1	V3	55	103	78	78	84	39	50	1:2	12000	25
50.40VX3MP610RI1	VX3	55	103	78	78	84	39	50	1:2	12000	25
50.40VX3MP610RIKI1	VX3	55	103	78	78	84	39	50	1:2	12000	25
50.40V4MP620R	V4	65	96	63	76	88	39	50	1:1	6000	50
50.40V4MP620RIK	V4	65	111	78	78	88	39	50	1:1	6000	50
50.40VX4MP620R	VX4	65	96	63	76	88	39	50	1:1	6000	50
50.40VX4MP620RIK	VX4	65	111	78	78	88	39	50	1:1	6000	50
50.40V4MP620RI1	V4	65	111	78	78	88	39	50	1:2	12000	25
50.40V4MP620RIKI1	V4	65	111	78	78	88	39	50	1:2	12000	25
50.40VX4MP620RI1	VX4	65	111	78	78	88	39	50	1:2	12000	25
50.40VX4MP620RIKI1	VX4	65	111	78	78	88	39	50	1:2	12000	25

Axial Bohr- und Fräskopf

Axial drilling and milling head



Spannzangenaufnahme / Collet chuck



IK = Innenkühlung
IK = internal cooling

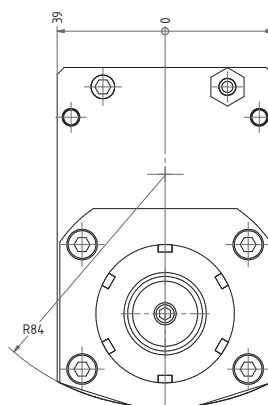
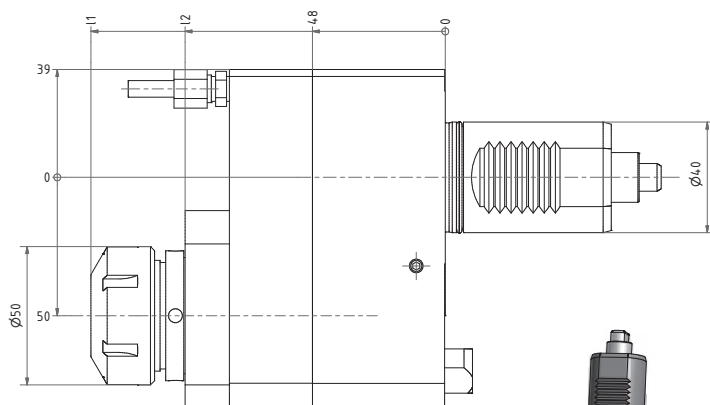
achsenversetzt / offset

IM = Innenmutter
IM = internal nut

Nr. / No.	Spannzange/ Collet	d1	l1	l2	b1	z1	i	n _{max} 1/min	T _{max} Nm
50.4016MP610RI15	ER16 (1-10)	28	126,6	100	78	89	1:5	24000	5
50.4025MP610R	ER25 (2-16)	42	107	75	76	84	1:1	6000	50
50.4025MP610RIK	ER25 (2-16)	42	120	88	78	84	1:1	6000	50
50.4025MP610LIK	ER25 (2-16)	42	120	88	78	-84	1:1	6000	50
50.4025MP610RI1	ER25 (2-16)	42	120	88	78	84	1:2	10000	25
50.4025MP610RIK11	ER25 (2-16)	42	120	88	78	84	1:2	10000	25
50.4025MP610RIKIM	ER25 (2-16)	49	97,9	88	78	84	1:1	6000	50
50.4032MP610R	ER32 (3-20)	50	110	75	76	84	1:1	6000	50
50.4032MP610RIK	ER32 (3-20)	50	122	88	78	84	1:1	6000	50
50.4032MP610RI1	ER32 (3-20)	50	122	88	78	84	1:2	10000	25
50.4032MP610RIK11	ER32 (3-20)	50	122	88	78	84	1:2	10000	25
50.4032MP610LIK	ER32 (3-20)	50	122	88	78	-84	1:1	6000	50
50.4032MP610I1IM	ER32 (3-20)	62	105,2	78	78	88	1:2	10000	25
50.4032MP610IKI1IM	ER32 (3-20)	62	105,2	78	78	88	1:2	10000	25
50.4032MP610IKIM	ER32 (3-20)	62	105,2	78	78	88	1:1	6000	50
50.4016MP620RI15	ER16 (1-10)	28	126,6	100	78	89	1:5	24000	5
50.4016MP620RIK11IM	ER16 (1-10)	28	97,6	88	78	84	1:2	10000	25
50.4025MP620R	ER25 (2-16)	42	107	75	76	84	1:1	6000	50
50.4025MP620RIK	ER25 (2-16)	42	120	88	78	84	1:1	6000	50
50.4025MP620RI1	ER25 (2-16)	42	120	80	78	84	1:2	10000	25
50.4025MP620RIK11	ER25 (2-16)	42	120	80	78	84	1:2	10000	25
50.4032MP620R	ER32 (3-20)	50	110	75	76	84	1:1	6000	50
50.4032MP620RIK	ER32 (3-20)	50	123	88	78	84	1:1	6000	50
50.4032MP620RI1	ER32 (3-20)	50	120	88	78	84	1:2	10000	25
50.4032MP620RIK11	ER32 (3-20)	50	120	88	78	84	1:2	10000	25
50.4032MP620IKIM	ER32 (3-20)	62	107,2	78	78	88	1:1	6000	50
50.4032MP620IKI1IM	ER32 (3-20)	62	105,2	78	78	88	1:2	10000	25

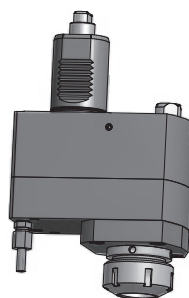
Axial Bohr- und Fräskopf

Axial drilling and milling head



Spannzangenaufnahme / Collet chuck

IK = Innenkühlung
IK = internal cooling



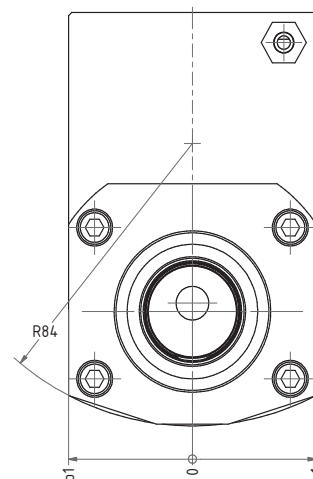
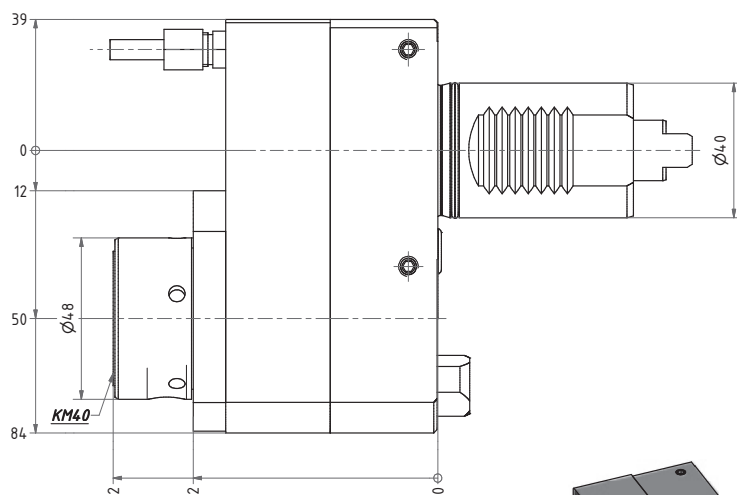
achsenversetzt / offset

KR = Kegelrollenlager
KR = Taper roller bearing

Nr. / No.	Spannzange/ Collet	l1	l2	i	n _{max} 1/min	T _{max} Nm
50.4032KRMP620R	ER32 (3-20)	129	94	1:1	6000	50
50.4032KRMP620RIK	ER32 (3-20)	129	94	1:1	6000	50
50.4032KRMP620RI1751	ER32 (3-20)	122	87	1,75:1	3430	70
50.4032KRMP620RIK1751	ER32 (3-20)	137,5	102	1,75:1	3430	70

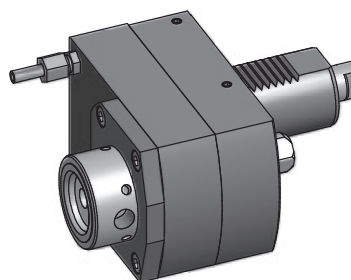
Axial Bohr- und Fräskopf

Axial drilling and milling head



Kennametal KM40

IK = Innenkühlung
IK = internal cooling

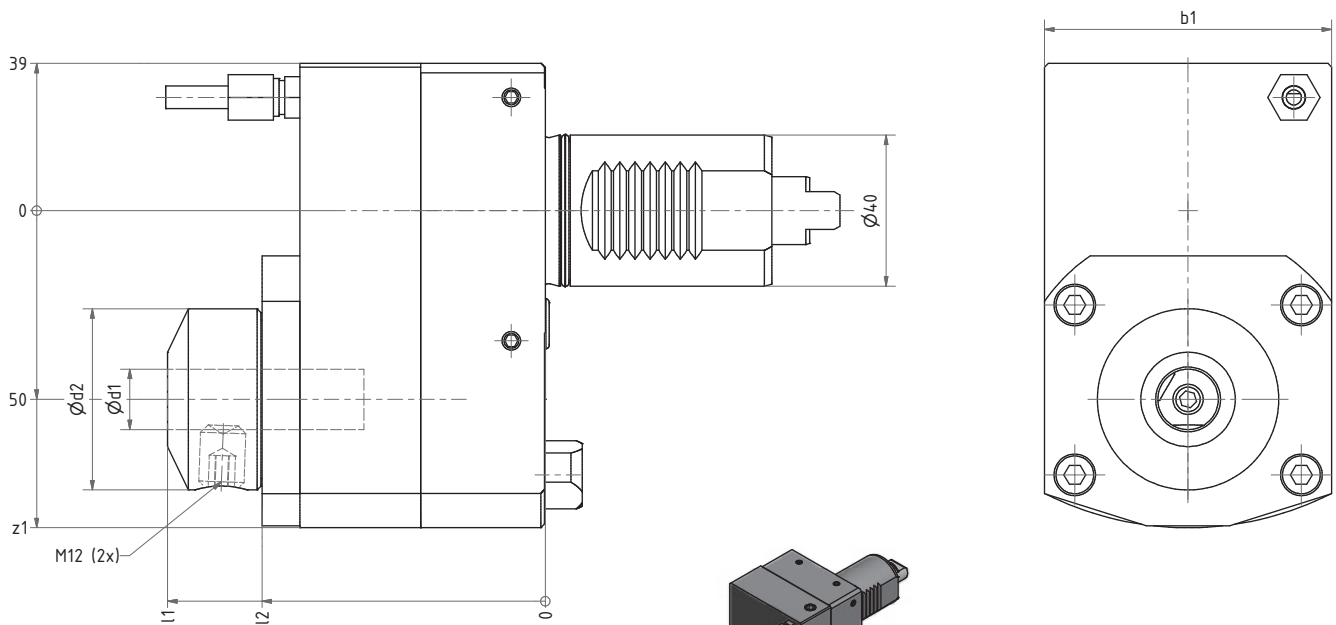


achsenversetzt / offset

Nr. / No.	Spannzange/ Collet	l1	l2	b1	i	n _{max} 1/min	T _{max} Nm
50.40KM40MP620R	ER25 (2-16)	99,5	75	38	1:1	6000	50
50.40KM40MP620RIK	ER25 (2-16)	112,5	88	39	1:1	6000	50

Axial Bohr- und Fräskopf

Axial drilling and milling head



Whistle Notch / Weldon

achsenversetzt / offset

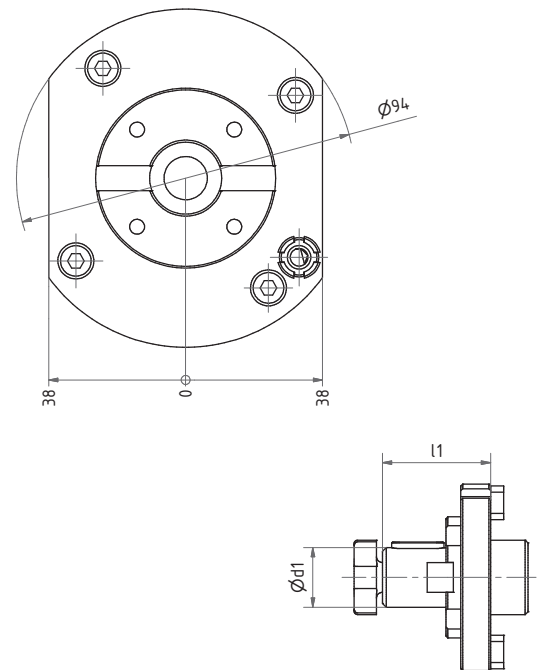
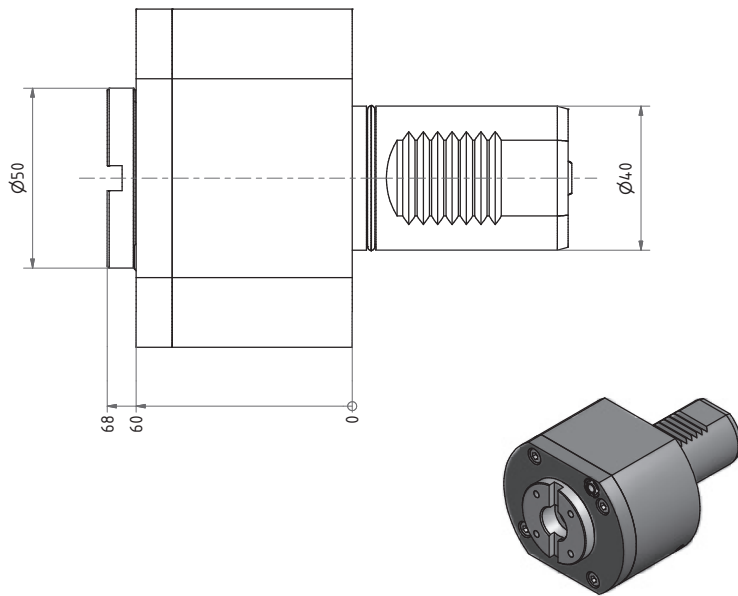
IK = Innenkühlung
IK = internal cooling

KR = Kegelrollenlager
KR = Taper roller bearing

Nr. / No.	d1	d2	l1	l2	b1	z1	i	n _{max} 1/min	T _{max} Nm
50.4016WNMP610R	16	48	100	75	76	84	1:1	6000	50
50.4016WNMP610RIK	16	48	113	88	78	84	1:1	6000	50
50.4016WNMP610RIK11	16	48	113	88	78	84	1:2	10000	25
50.4020WNMP610R	20	52	100	75	76	84	1:1	6000	50
50.4020WNMP610RIK	20	52	113	88	78	84	1:1	6000	50
50.4020WNMP610RIK11	20	52	113	88	78	84	1:2	10000	25
50.4025WNKRMP610RI1751	25	60	119	87	78	84	1,75:1	3430	70
50.4016WNMP620R	16	48	100	75	76	84	1:1	6000	50
50.4016WNMP620RIK	16	48	113	88	78	84	1:1	6000	50
50.4016WNMP620RIK11	16	48	113	88	78	84	1:2	12000	25
50.4020WNMP620R	20	52	100	75	76	84	1:1	6000	50
50.4020WNMP620RIK	20	52	113	88	78	84	1:1	6000	50
50.4020WNMP620RIK11	20	52	113	88	78	84	1:2	12000	25

Axial Fräskopf modular

Axial milling head modular

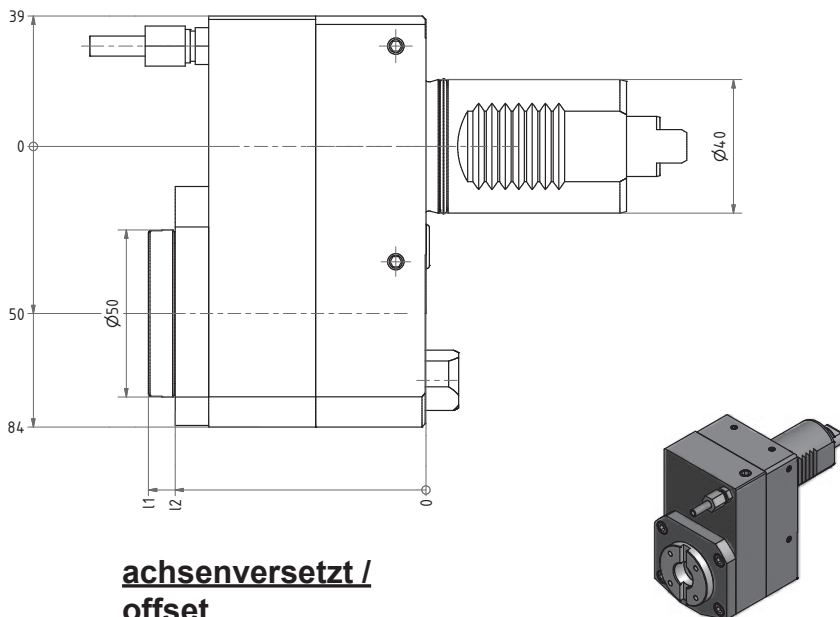


Nr. / No.	i	n _{max} 1/min	T _{max} Nm
42.4000MP610	1:1	6000	50
42.4000MP620	1:1	6000	50

Nr. / No.	d1	l1
501.507	13	24
501.510	16	29
501.520	22	31
501.530	27	33

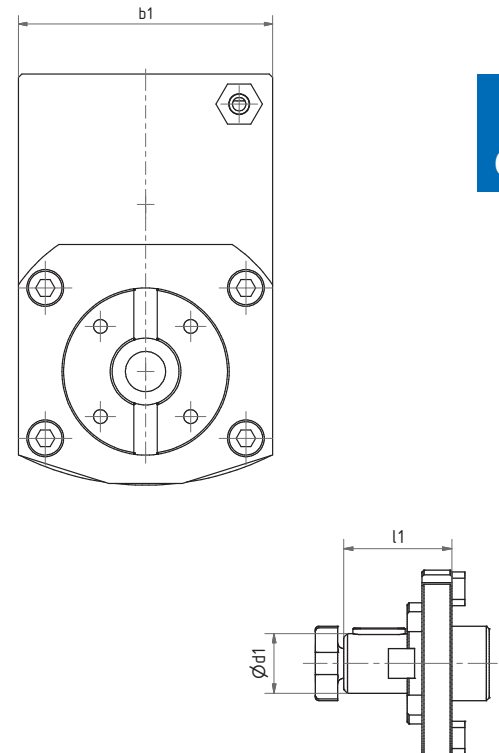
Axial Fräskopf modular

Axial milling head modular



**achsenversetzt /
offset**

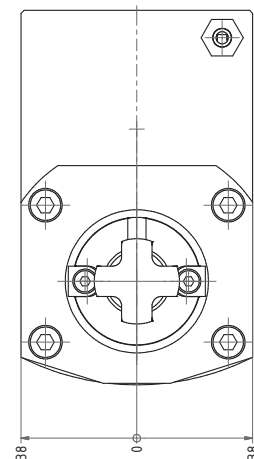
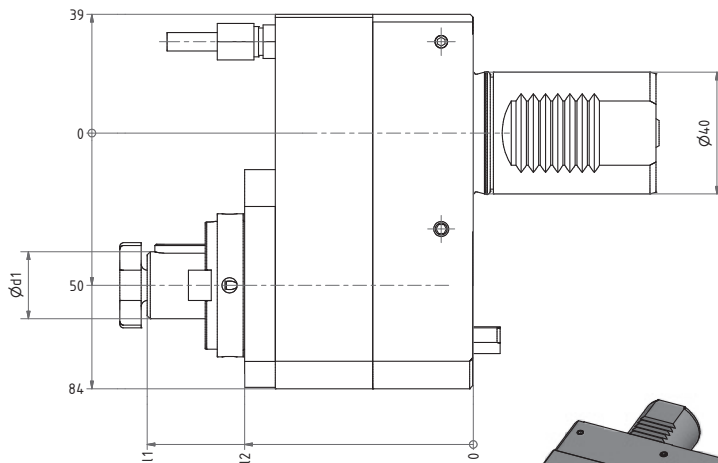
Nr. / No.	l1	l2	b1	i	n _{max} 1/min	T _{max} Nm
52.4000KMP610	83	75	76	1:1	6000	50
52.4000LMP610	103	94	78	1:1	6000	50
52.4000KMP620	83	75	76	1:1	6000	50
52.4000LMP620	103	94	78	1:1	6000	50



Nr. / No.	d1	l1
501.507	13	24
501.510	16	29
501.520	22	31
501.530	27	33

Axial Fräskopf

Axial milling head

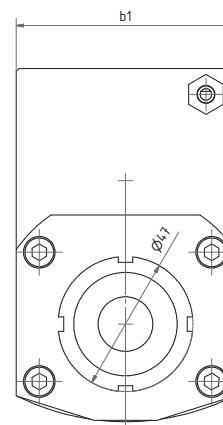
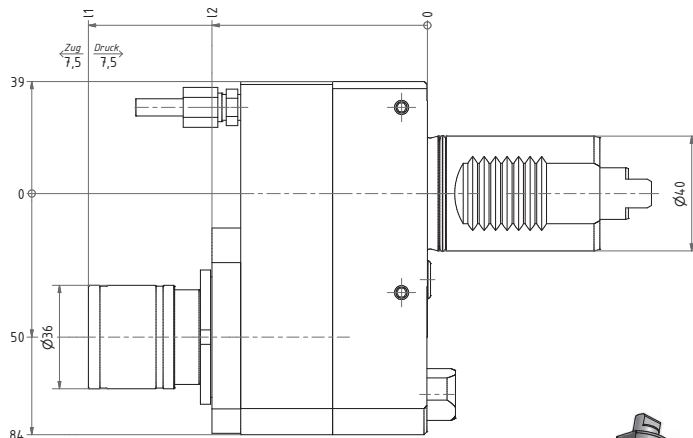


achsenversetzt / offset

Nr. / No.	d1	l1	l2	i	n _{max} 1/min	T _{max} Nm
52.4016MP610R	16	104,5	75	1:1	6000	50
52.4022MP610R	22	107	75	1:1	6000	50
52.4016MP620R	16	104,5	75	1:1	6000	50
52.4022MP620R	22	107	75	1:1	6000	50

Axial Gewindebohrkopf

Axial tapping head



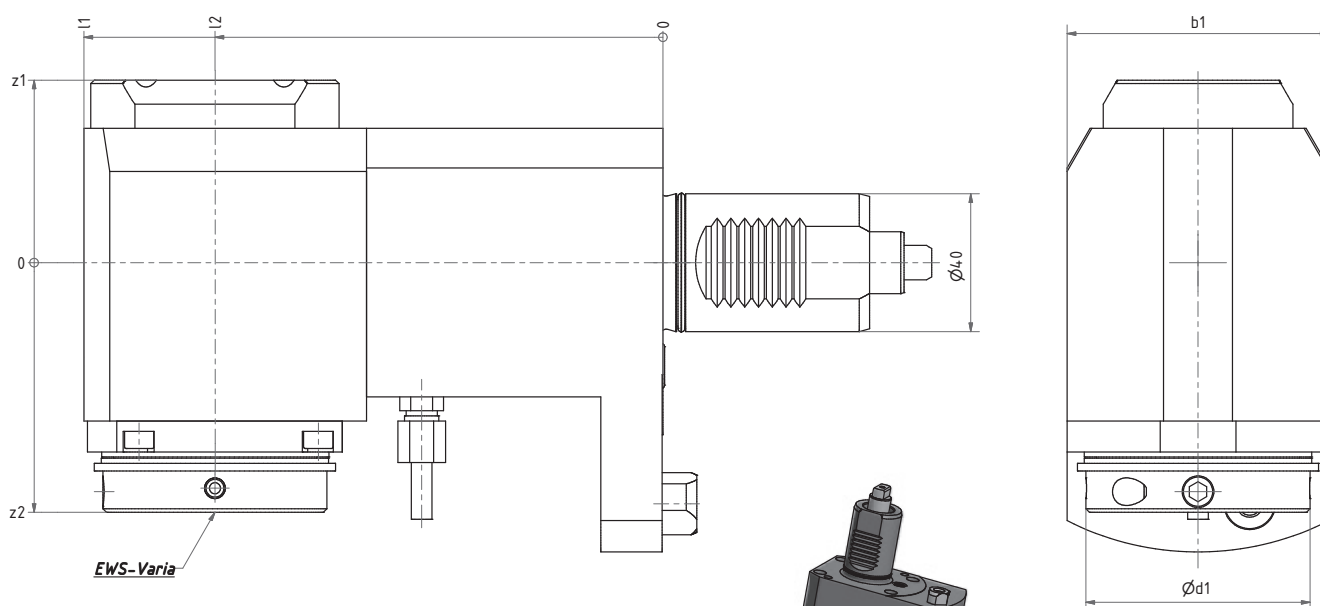
achsenversetzt / offset

KR = Kegelrollenlager
KR = Taper roller bearing

Nr. / No.	l1	l2	b1	i	n _{max} 1/min	T _{max} Nm
51.4012MP610R	118	75	76	1:1	6000	50
51.4012MP620R	118	75	76	1:1	6000	50
51.4012KRMP620RI1751	129	87	78	1,75:1	3430	70
51.4012KRMP620RIKI1751	167	102	78	1,75:1	3430	70

Radial Bohr- und Fräskopf

Radial drilling and milling head



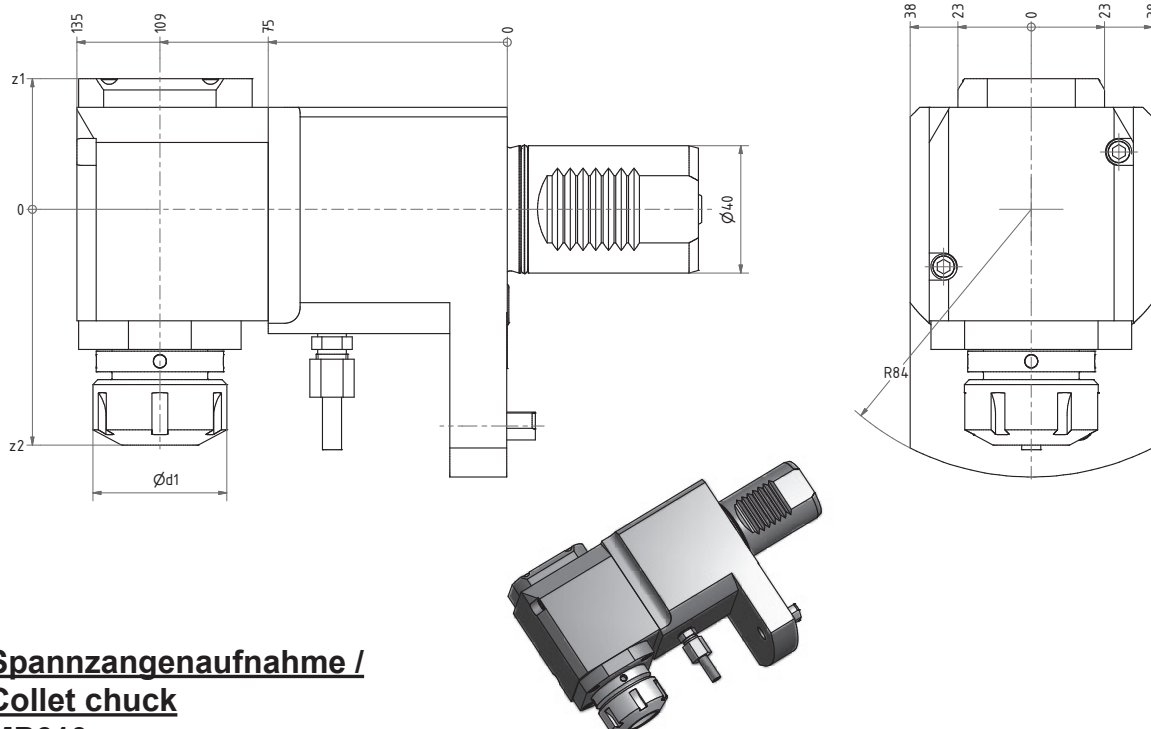
EWS-Varia

IK = Innenkühlung
IK = internal cooling

Nr. / No.	EWS-Varia	d1	l1	l2	b1	z1	z2	i	n _{max} 1/min	T _{max} Nm
60.40V3MP610R	V3	55	143	109	76	41	65,5	1:1	6000	25
60.40V3MP610RIK	V3	55	143	109	76	59,5	65,5	1:1	6000	25
60.40VX3MP610R	VX3	55	143	109	76	41	65,5	1:1	6000	25
60.40VX3MP610RIK	VX3	55	143	109	76	59,5	65,5	1:1	6000	25
60.40V3MP610RI1	V3	55	143	109	76	41	65,5	1:2	12000	12
60.40V3MP610RIK11	V3	55	143	109	76	59,5	65,5	1:2	12000	12
60.40VX3MP610RI1	VX3	55	143	109	76	41	65,5	1:2	12000	12
60.40VX3MP610RIK11	VX3	55	143	109	76	59,5	65,5	1:2	12000	12
60.40V3MP610RI2	V3	55	143	109	76	41	65,5	2:1	3000	40
60.40V3MP610RIK12	V3	55	143	109	76	59,5	65,5	2:1	3000	40
60.40VX3MP610RI2	VX3	55	143	109	76	41	65,5	2:1	3000	40
60.40VX3MP610RIK12	VX3	55	143	109	76	59,5	65,5	2:1	3000	40
60.40V4MP620R	V4	65	168	130	76	53	72,5	1:1	6000	50
60.40V4MP620RIK	V4	65	168	130	76	72	72,5	1:1	6000	50
60.40VX4MP620R	VX4	65	168	130	76	53	72,5	1:1	6000	50
60.40VX4MP620RIK	VX4	65	168	130	76	72	72,5	1:1	6000	50
60.40V4MP620I1	V4	65	168	130	76	53	78	1:2	12000	25
60.40V4MP620IK11	V4	65	168	130	76	72	78	1:2	12000	25
60.40VX4MP620I1	VX4	65	168	130	76	53	78	1:2	12000	25
60.40VX4MP620IK11	VX4	65	168	130	76	72	78	1:2	12000	25
60.40V4MP620I2	V4	65	168	130	76	53	72,5	2:1	3000	80
60.40V4MP620IK12	V4	65	168	130	76	57	72,5	2:1	3000	80
60.40VX4MP620I2	VX4	65	168	130	76	53	72,5	2:1	3000	80
60.40VX4MP620IK12	VX4	65	168	130	76	57	72,5	2:1	3000	80

Radial Bohr- und Fräskopf

Radial drilling and milling head



Spannzangenaufnahme / Collet chuck MP610

IK = Innenkühlung
IK = internal cooling

L = links / left hand
R = rechts / right hand

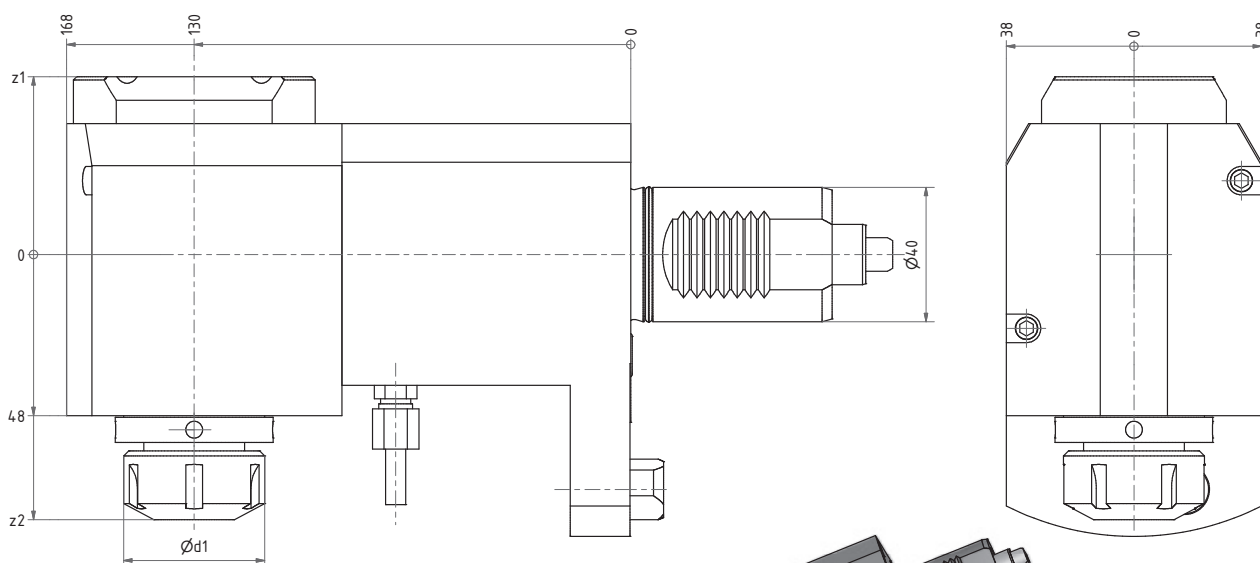
GL = Gleichlauf
GL = parallel feed

KR = Kegelrollenlager
KR = Taper roller bearing

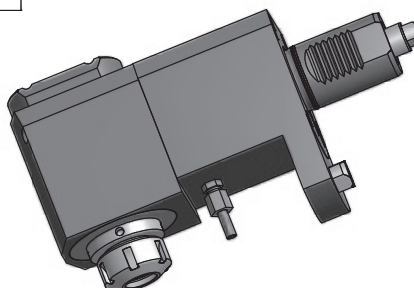
Nr. / No.	Spannzange/ Collet	d1	z1	z2	i	n _{max} 1/min	T _{max} Nm
60.4020MP610R	ER20 (2-13)	40	41	65,5	1:1	6000	25
60.4020MP610RI1	ER20 (2-13)	34	41	65,5	1:2	12000	12
60.4020MP610RIKI1	ER20 (2-13)	34	63,5	65,5	1:2	12000	12
60.4025MP610GL	ER25 (2-16)	42	41	68	1:1	6000	25
60.4025MP610IKGL	ER25 (2-16)	42	59,5	68	1:1	6000	25
60.4025MP610R	ER25 (2-16)	42	41	76	1:1	6000	25
60.4025MP610RIK	ER25 (2-16)	42	59,5	76	1:1	6000	25
60.4025MP610RI2	ER25 (2-16)	42	41	67	2:1	3000	40
60.4025MP610L	ER25 (2-16)	42	76	41	1:1	6000	25
60.4025MP610LIK	ER25 (2-16)	42	76	59,5	1:1	6000	25
60.4025MP610IKI2	ER25 (2-16)	42	59,5	67	2:1	3000	40
60.4032MP610R	ER32 (3-20)	50	41	82	1:1	6000	25
60.4032MP610RIK	ER32 (3-20)	50	59,5	82	1:1	6000	25
60.4032MP610LIK	ER32 (3-20)	50	82	59,5	1:1	6000	25
60.4032KRMP610R	ER32 (3-20)	50	41	82	1:1	6000	25
60.4032KRMP610RIK	ER32 (3-20)	28	59,5	82	1:1	6000	25

Radial Bohr- und Fräskopf

Radial drilling and milling head



Spannzangenaufnahme / Collet chuck MP620



IK = Innenkühlung
IK = internal cooling

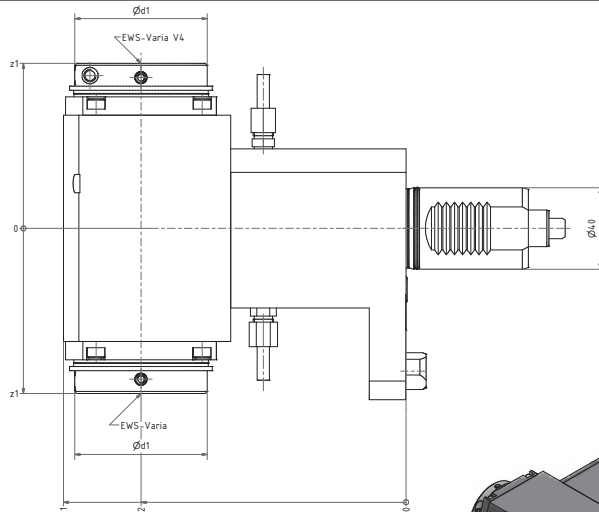
GL = Gleichlauf
GL = parallel feed

KR = Kegelrollenlager
KR = Taper roller bearing

Nr. / No.	Spannzange/ Collet	d1	z1	z2	i	n _{max} 1/min	T _{max} Nm
60.4016MP620RI15	ER16 (1-10)	36	46	107,1	1:5	24000	5
60.4025MP620GL	ER25 (2-16)	42	53	81	1:1	6000	50
60.4025MP620IKGL	ER25 (2-16)	42	72	81	1:1	6000	50
60.4025MP620R	ER25 (2-16)	42	53	81	1:1	6000	50
60.4025MP620RIK	ER25 (2-16)	42	72	81	1:1	6000	50
60.4025MP620RI1	ER25 (2-16)	42	53	84	1:2	12000	25
60.4025MP620RIK11	ER25 (2-16)	42	72	84	1:2	12000	25
60.4032MP620R	ER32 (3-20)	50	53	85	1:1	6000	50
60.4032MP620RIK	ER32 (3-20)	50	72	84	1:1	6000	50
60.4032MP620RI1	ER32 (3-20)	50	53	87	1:2	12000	25
60.4032MP620RIK11	ER32 (3-20)	50	72	87	1:2	12000	25
60.4032MP620RI2	ER32 (3-20)	50	53	93	2:1	3000	80
60.4032MP620RIK12	ER32 (3-20)	50	73,5	87	2:1	3000	80
60.4032KRMP620R	ER32 (3-20)	50	53	99	1:1	5000	50
60.4032KRMP620RIK	ER32 (3-20)	50	72	99	1:1	5000	50
60.4040MP620R	ER40 (4-26)	63	53	96	1:1	6000	50
60.4040MP620RI2	ER40 (4-26)	63	53	105	2:1	3000	80
60.4040MP620IK	ER40 (4-26)	63	72	96	1:1	6000	50
60.4040MP620I2	ER40 (4-26)	63	53	105	2:1	3000	80
60.4040MP620IKI2	ER40 (4-26)	63	73,5	105	2:1	3000	80

Radial Bohr- und Fräskopf

Radial drilling and milling head



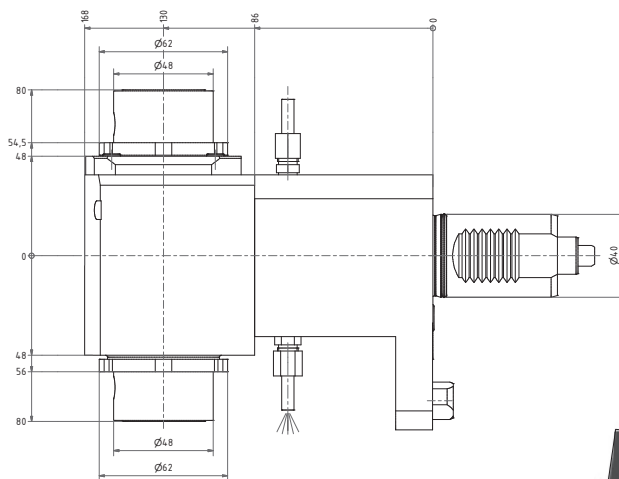
EWS-Varia

doppelseitig / double sided

Nr. / No.	EWS-Varia	d1	l1	l2	z1	i	n _{max} 1/min	T _{max} Nm
60.40V3DMP610X100	V3	55	136	100	65,5	1:1	6000	25
60.40VX3DMP610X100	VX3	55	136	100	65,5	1:1	6000	25
60.40V4DMP620	V4	65	168	130	81	1:1	6000	50
60.40VX4DMP620	VX4	65	168	130	81	1:1	6000	50

Radial Bohr- und Fräskopf

Radial drilling and milling head



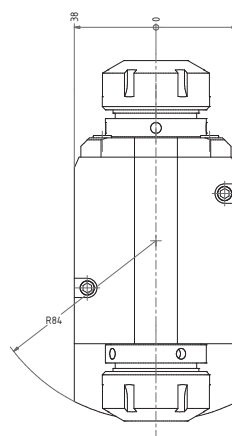
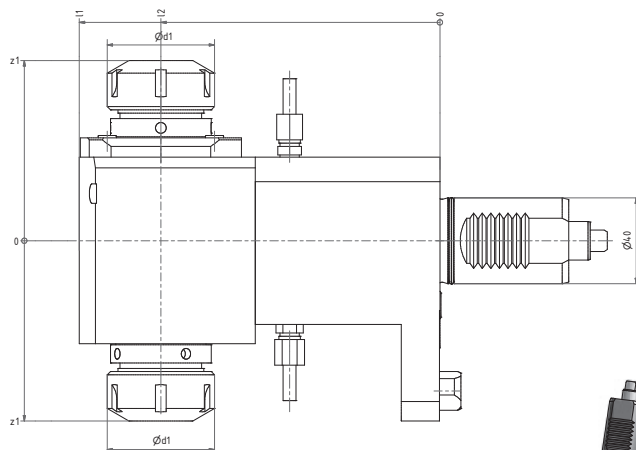
KM40

doppelseitig / double sided

Nr. / No.	i	n _{max} 1/min	T _{max} Nm
60.40KM40DMP620	1:1	6000	50

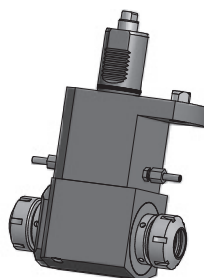
Radial Bohr- und Fräskopf

Radial drilling and milling head



Spannzangenaufnahme / Collet chuck

doppelseitig / double sided

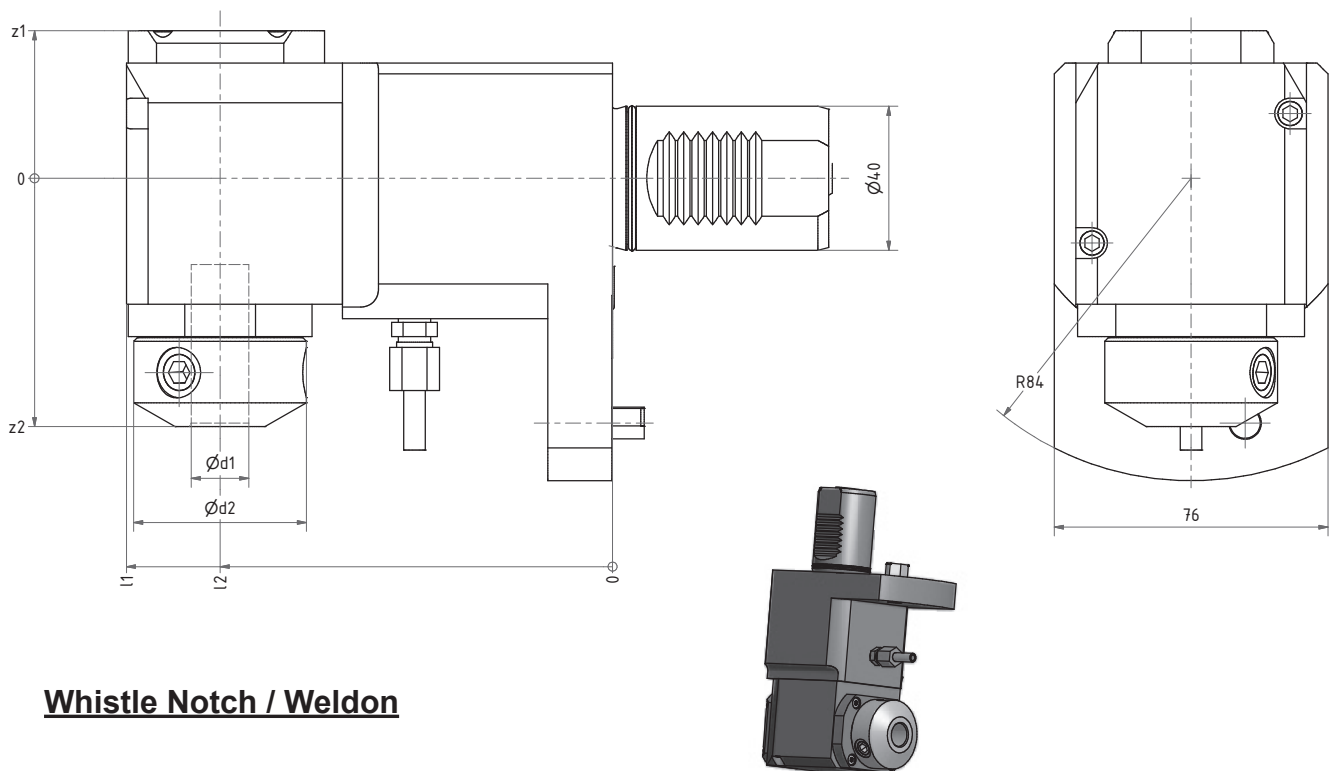


IK = Innenkühlung
IK = internal cooling

Nr. / No.	Spannzange/ Collet	d1	l1	l2	z1	z2	i	n _{max} 1/min	T _{max} Nm
60.4025DMP610X100	ER25 (2-16)	42	131	100	74	74	1:1	6000	25
60.4025DMP610IKX100	ER25 (2-16)	42	131	100	74	99	1:1	6000	25
60.4032DMP620	ER32 (3-20)	50	168	130	85	85	1:1	6000	50

Radial Bohr- und Fräskopf

Radial drilling and milling head



Whistle Notch / Weldon

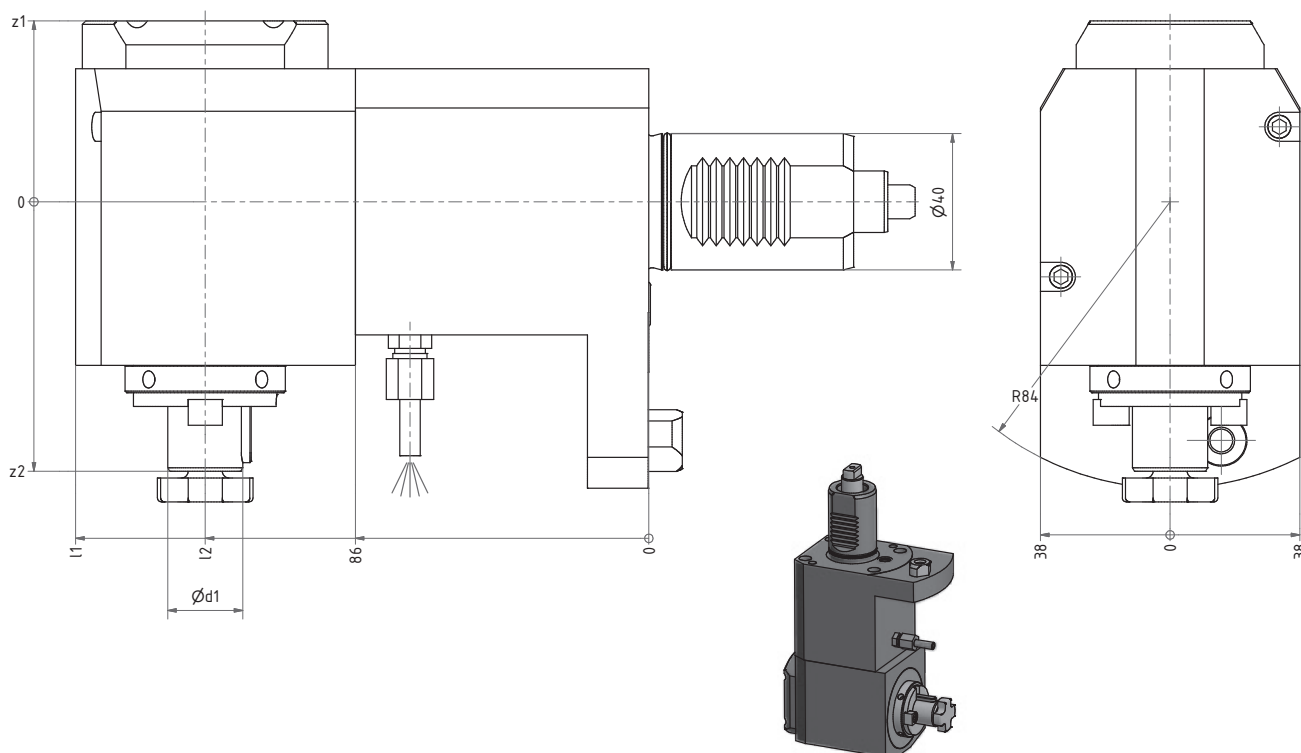
IK = Innenkühlung
IK = internal cooling

KR = Kegelrollenlager
KR = Taper roller bearing

Nr. / No.	d1	d2	l1	l2	z1	z2	i	n _{max} 1/min	T _{max} Nm
60.4016WNMP610R	16	48	135	109	41	69	1:1	6000	25
60.4016WNMP610IK	16	48	135	109	59,5	69	1:1	6000	25
60.4020WNMP610R	20	48	135	109	41	71	1:1	6000	25
60.4020WNMP610RIK	20	48	135	109	59,5	71	1:1	6000	25
60.4008WNMP620RIK	8	48	168	130	72	73	1:1	6000	50
60.4010WNMP620RIK	10	48	168	130	72	73	1:1	6000	50
60.4012WNMP620	12	48	168	130	53	73	1:1	6000	50
60.4012WNMP620RIK	12	48	168	130	72	73	1:1	6000	50
60.4016WNMP620R	16	48	168	130	53	73	1:1	6000	50
60.4016WNMP620IK	16	48	168	130	72	73	1:1	6000	50
60.4016WNKRMP620I2	16	52	168	130	53	81	2:1	3000	80
60.4018WNMP620RIK	18	52	168	130	72	87	1:1	6000	50
60.4020WNMP620R	20	52	168	130	53	87	1:1	6000	50
60.4020WNMP620RIK	20	52	168	130	72	87	1:1	6000	50
60.4020WNKRMP620R	20	52	168	130	53	87	1:1	6000	50
60.4020WNKRMP620I2	20	52	168	130	53	81	2:1	3000	80
60.4020WNKRMP620IKI2	20	52	168	130	74	81	2:1	3000	80
60.4025WNMP620	25	60	168	130	53	94	1:1	6000	50
60.4025WNMP620RIK	25	60	168	130	72	94	1:1	6000	50
60.4025WNKRMP620RI2	25	60	168	130	53	87	2:1	3000	80

Radial Fräskopf

Radial milling head



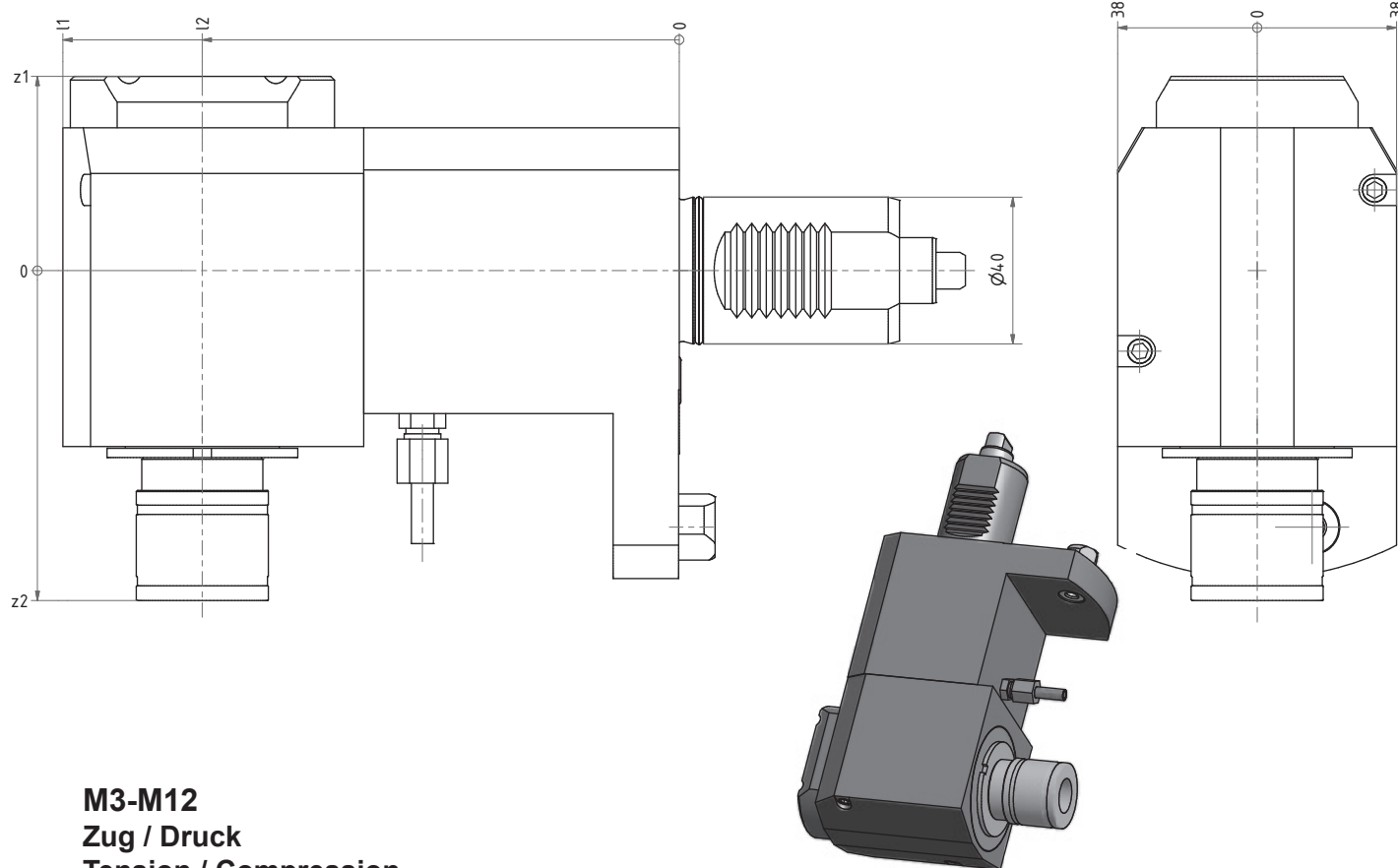
GL = Gleichlauf
GL = parallel feed

KR = Kegelrollenlager
KR = Taper roller bearing

Nr. / No.	d1	l1	l2	z1	z2	i	n _{max} 1/min	T _{max} Nm
62.4027KRMP610RGL	27	135	109	41	75,5	1:1	5000	50
62.4016MP620	16	168	130	53	77	1:1	5000	50
62.4016MP620I2	16	168	130	53	85	2:1	3000	80
62.4022MP620	22	168	130	53	79	1:1	5000	50
62.4022MP620RI2	22	168	130	53	87	2:1	3000	80
62.4027MP620	27	168	130	53	93,5	1:1	5000	50
62.4027MP620RI2	27	168	130	53	87,5	2:1	3000	80
62.4027KRMP620I2	27	168	130	53	98	2:1	3000	80
62.4032KRMP620	32	168	130	53	91,5	1:1	5000	50

Radial Gewindebohrkopf

Radial tapping head

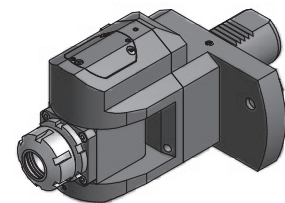
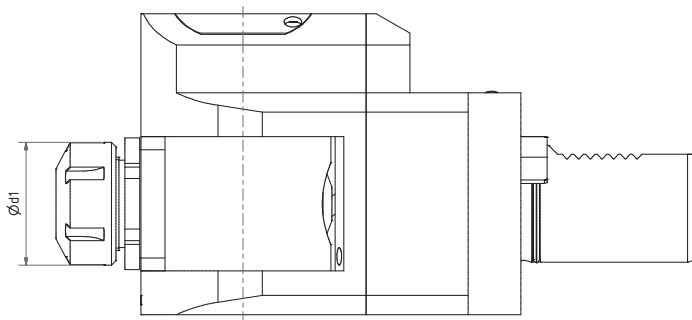
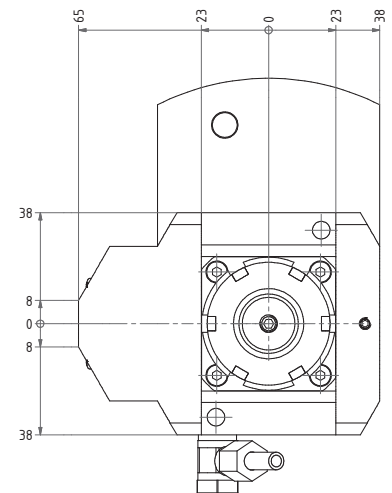
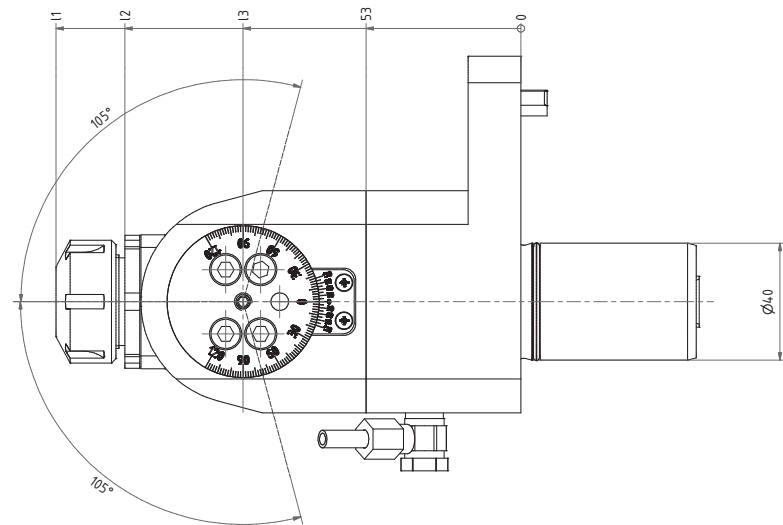


M3-M12
Zug / Druck
Tension / Compression

Nr. / No.	l1	l2	z1	z2	i	n _{max} 1/min	T _{max} Nm
61.4012MP610R	135	110	50	88	1:1	6000	50
61.4012MP620R	168	130	53	90	1:1	6000	50

Schwenkkopf

Swivel head

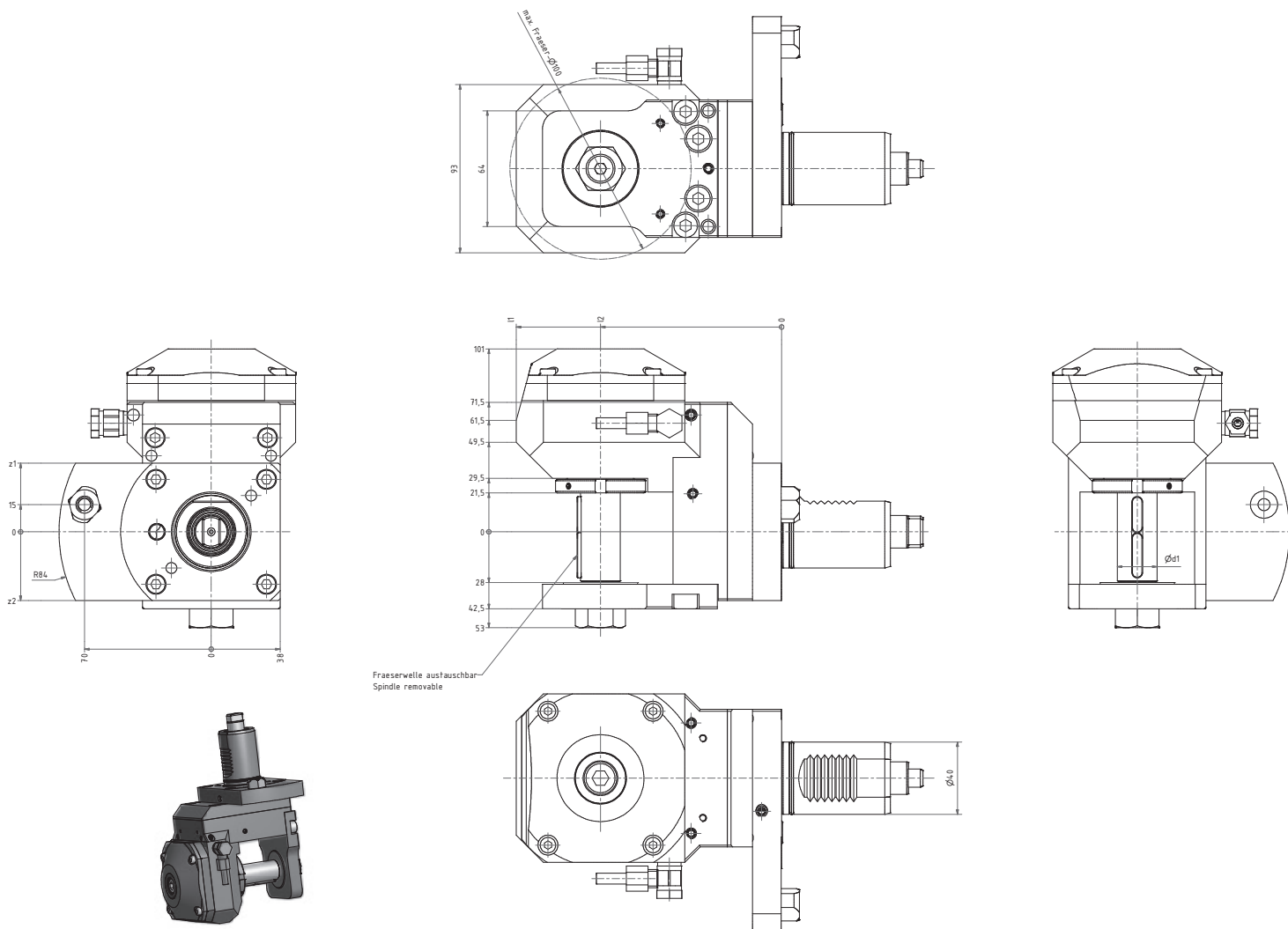


Nr. / No.	Spannzange/ Collet	d1	l1	l2	l3	i	n _{max} 1/min	T _{max} Nm
63.4025KMP610	ER25 (2-16)	42	138	112,5	72	1:1	6000	20
63.4025LMP610	ER25 (2-16)	42	159	135,5	95	1:1	6000	20
63.4025KMP620	ER25 (2-16)	42	138	112,5	72	1:1	6000	20
63.4025LMP620	ER25 (2-16)	42	188	162,5	122	1:1	6000	20

Auch mit Innenkühlung verfügbar / also available with internal coolant

Scheibenfräserkopf

Radial saw milling head



Nr. / No.	d1	l1	l2	z1	z2	i	n _{max} 1/min	T _{max} Nm
64.4016MP620I3	16	146,5	100	38	38	3:1	2000	150
64.4022MP620I3	22	146,5	100	38	38	3:1	2000	150
64.4027MP620I3	27	146,5	100	38	38	3:1	2000	150
64.4032MP620I3	32	146,5	100	38	38	3:1	2000	150
64.4032MP620I3X120	32	166,5	120	38	38	3:1	2000	150

Modulfräskopf auf Anfrage verfügbar / Gear hobber on request available



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