

Modulare Aggregatetechnik

Star

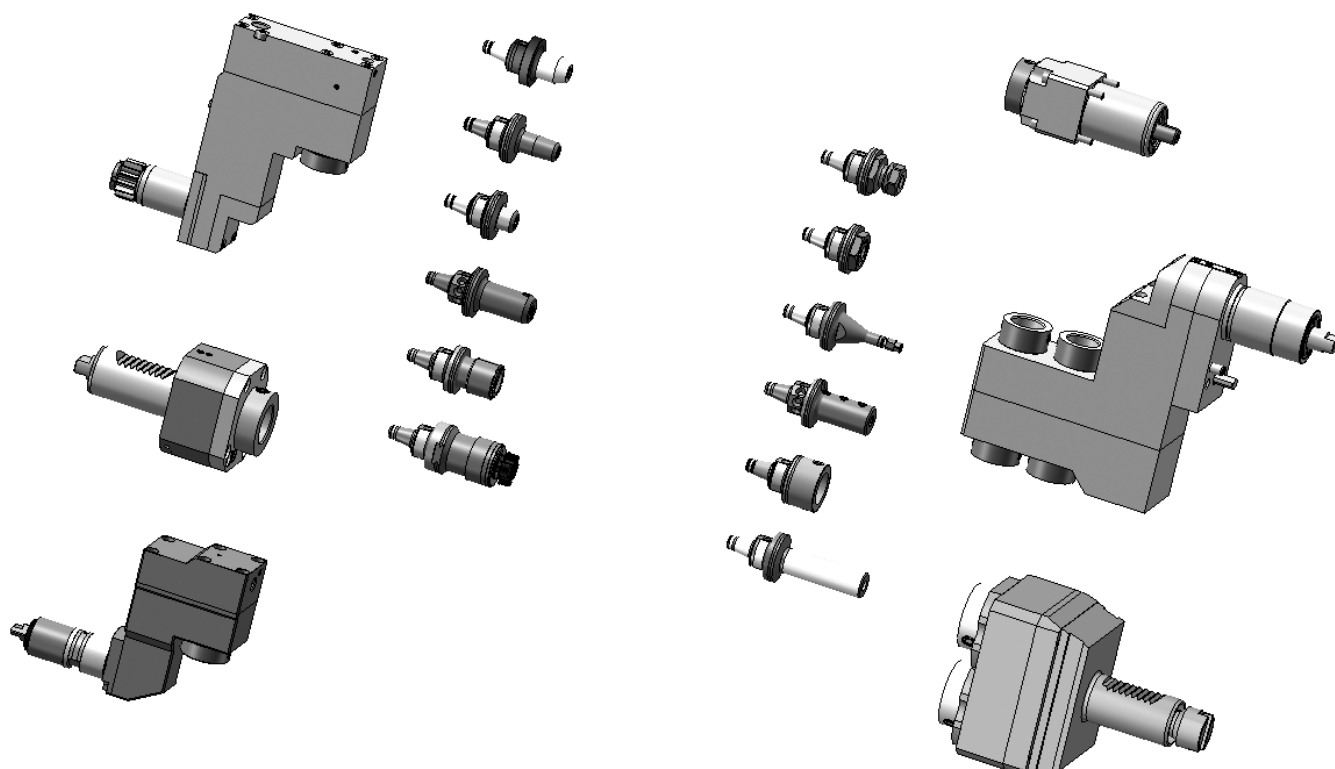


**Katalog
ST-02**



WFB-Adapterpool

Indications for the customer



Mit den Werkzeughaltern von W&F in statischer oder angetriebener Ausführung und dem WFB-Adaptersystem haben Sie die einzigartige Möglichkeit, für sämtliche Hersteller egal ob im Kurzdrehen, Langdrehen oder Mehrspindeldrehen ein durchgängiges modulares Werkzeugsystem einzusetzen.

The W&F tool holders are in static or driven performance and beyond that, the WFB-adapter system offers you an unique option to use it for every machine manufacturer whether you are manufacturer producing with swiss type lathes, standard turning machines or multispindle turning machines, WFB is suitable.

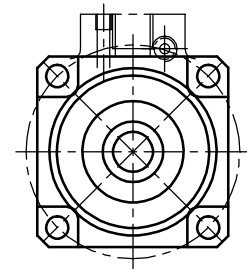
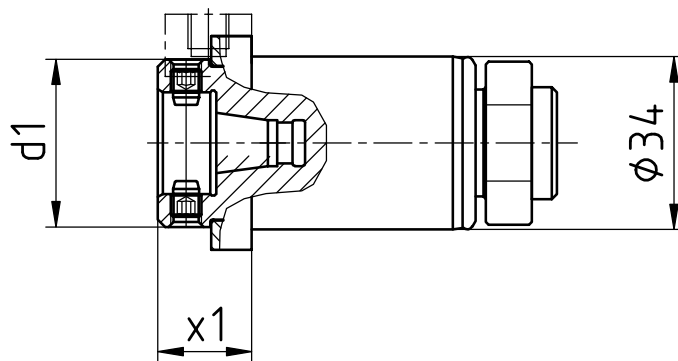
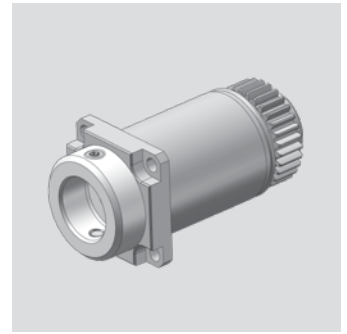
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

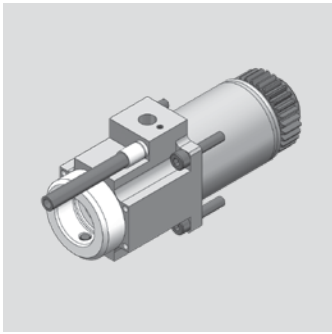
WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1			i					
33	18,5	WFB 20-12	10	8.000	1:1				MPU.Z34.B20.AA0.SR20
33	18,5	WFB 20-12	10	8.000	1:1	x	x	80	MPU.Z34.B20.AE0.SR20

Passend für Maschine:	ECAS-12/20	SR-20J/ JN	SR-20RIV
suitable machines:	ECAS-32T	SR-20RIII	SV-38R
approprié pour la machine:	SB-12/20R	SR-20RII	SW-20

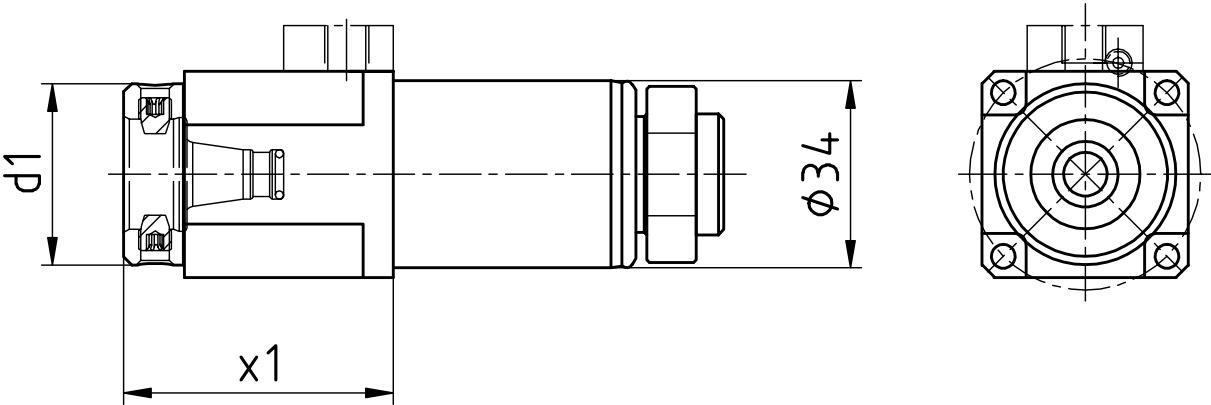
Ähnlich OEM Nr.	331-50-00
similar to OEM no.	
semblable au OEM nombre	



Star

Axial Bohr- und Fräskopf
 Axial drilling and milling head
 Outil de perçage et de fraisage axiale

WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1								
33	50	WFB 20-12	10	8.000	1:1				MPU.Z34.B20.AA0.SR20V
33	50	WFB 20-12	10	8.000	1:1	x	x	80	MPU.Z34.B20.AE0.SR20V

Passend für Maschine:	ECAS-12/20	SR-20J/ JN	SR-20RIV
suitable machines:	ECAS-32T	SR-20RIII	SV-38R
approprié pour la machine:	SB-12/20R	SR-20RII	SW-20

Ähnlich OEM Nr.	331-50-00
similar to OEM no.	
semblable au OEM nombre	

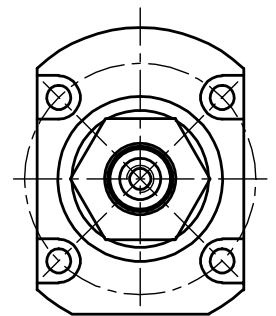
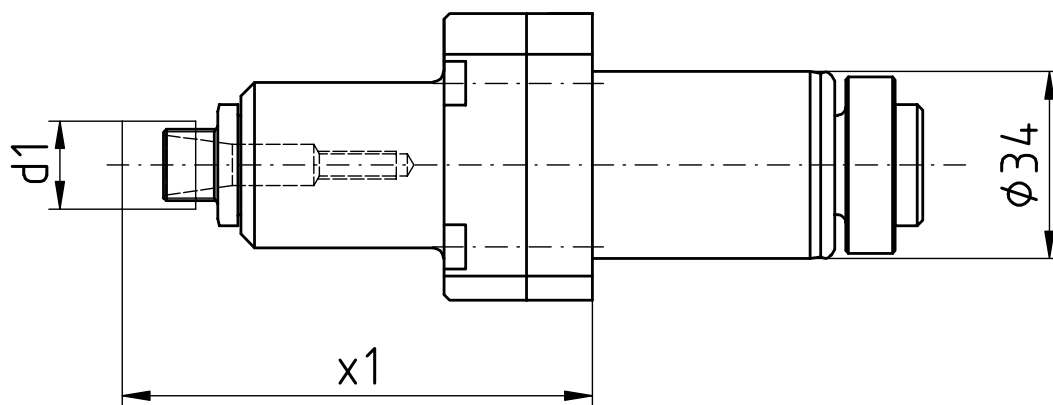
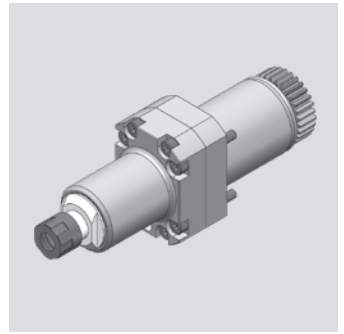
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

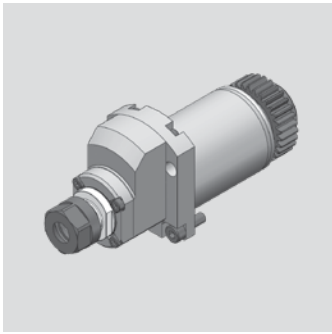
WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1			i					
16	85,4	ER11 MINI	3	19.200	1:2,4				MPU.Z34.E11.BA0.SR20

Passend für Maschine:	ECAS-12/20	SR-20J/ JN	SR-20RIV
suitable machines:	SB-12/20R	SR-20RIII	SR-32J/ JN
approprié pour la machine:	SR-10J	SR-20RII	SW-12RII

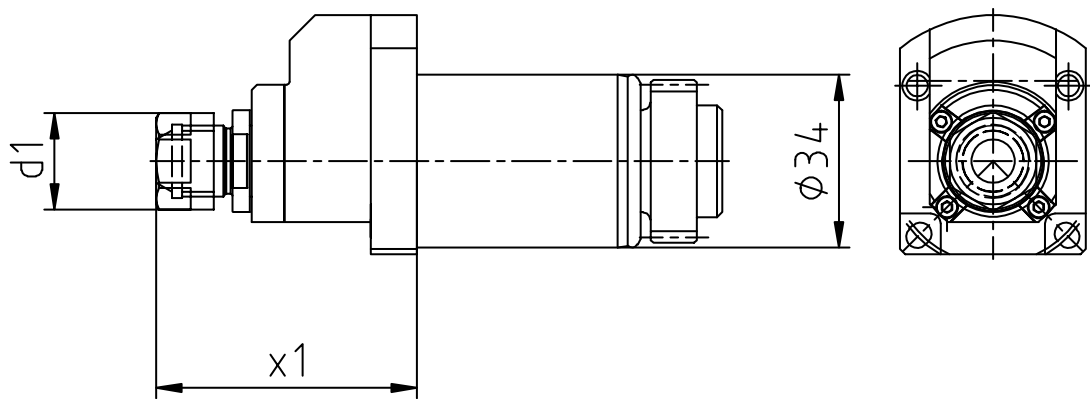
Ähnlich OEM Nr.	331-50-00
similar to OEM no.	
semblable au OEM nombre	



Star

Axial Bohr- und Fräskopf
 Axial drilling and milling head
 Outil de perçage et de fraisage axiale

WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1								
19	51,2	ER11	2	32.000	1:4				MPU.Z34.E11.BA0.SR20.I4

Passend für Maschine:	ECAS-12/20	SR-20J/ JN	SR-20RIV
suitable machines:	ECAS-32T	SR-20RIII	SV-38R
approprié pour la machine:	SB-12/20R	SR-20RII	SW-20

Ähnlich OEM Nr.	331-50-00
similar to OEM no.	
semblable au OEM nombre	

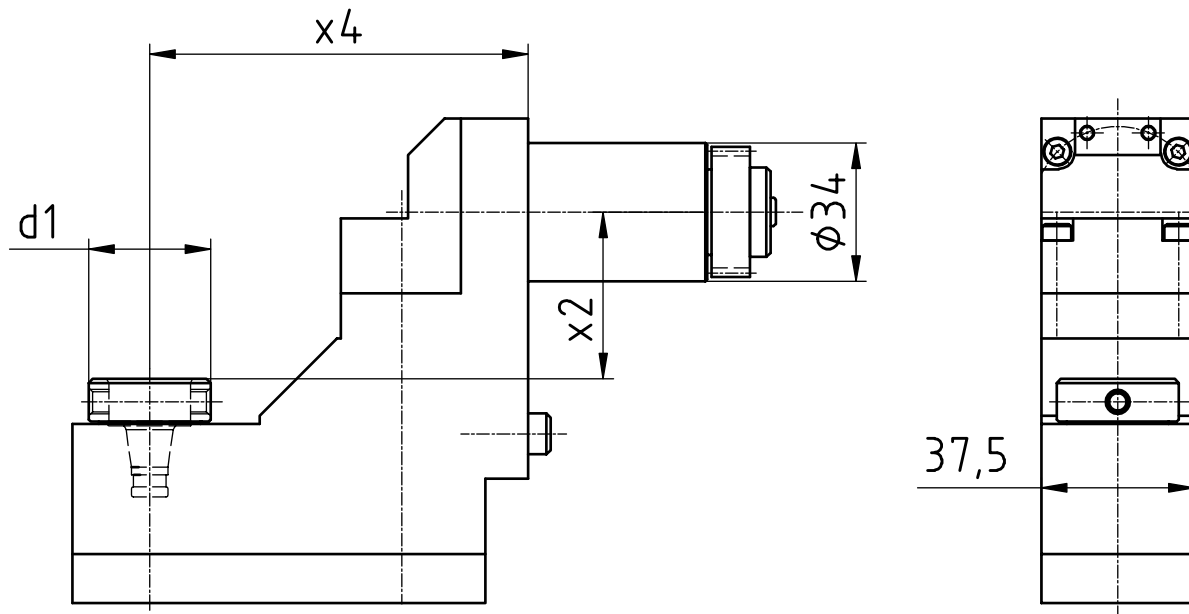
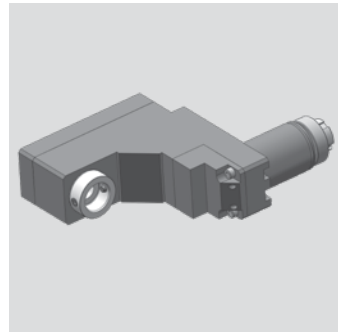
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

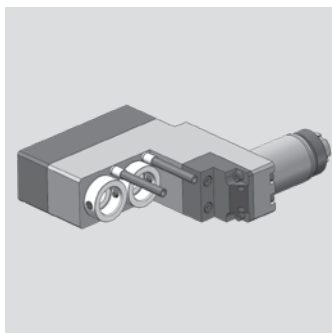
WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	41	93	WFB 20-12	8	8.000	1:1				MPU.Z34.B20.581-52-00

Passend für Maschine:	ECAS-12/20	SR-20J/ JN	SR-20RIV
suitable machines:	SB-12/20R	SR-20RIII	SR-32J/ JN
approprié pour la machine:	SR-10J	SR-20RII	SW-12RII

Ähnlich OEM Nr.	581-52-00
similar to OEM no.	
semblable au OEM nombre	



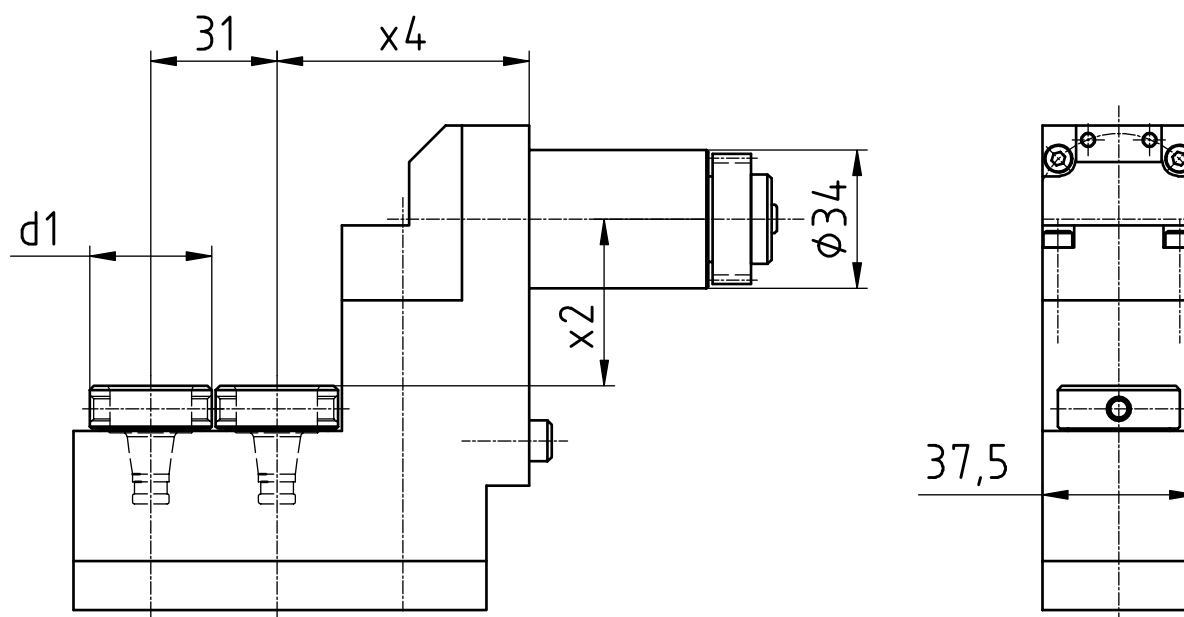
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	41	62	WFB 20-12	8	8.000	1:1				MPU.Z34.B20.541-51-00
30	41	62	WFB 20-12	8	8.000	1:1	x	x	80	MPU.Z34.B20.541-51-IK

Passend für Maschine: SB-12/20R SR-20RII
suitable machines: SR-20J/ JN SR-20RIV
approprié pour la machine: SR-20RIII

Ähnlich OEM Nr. 541-51-00
 similar to OEM no.
 semblable au OEM nombre

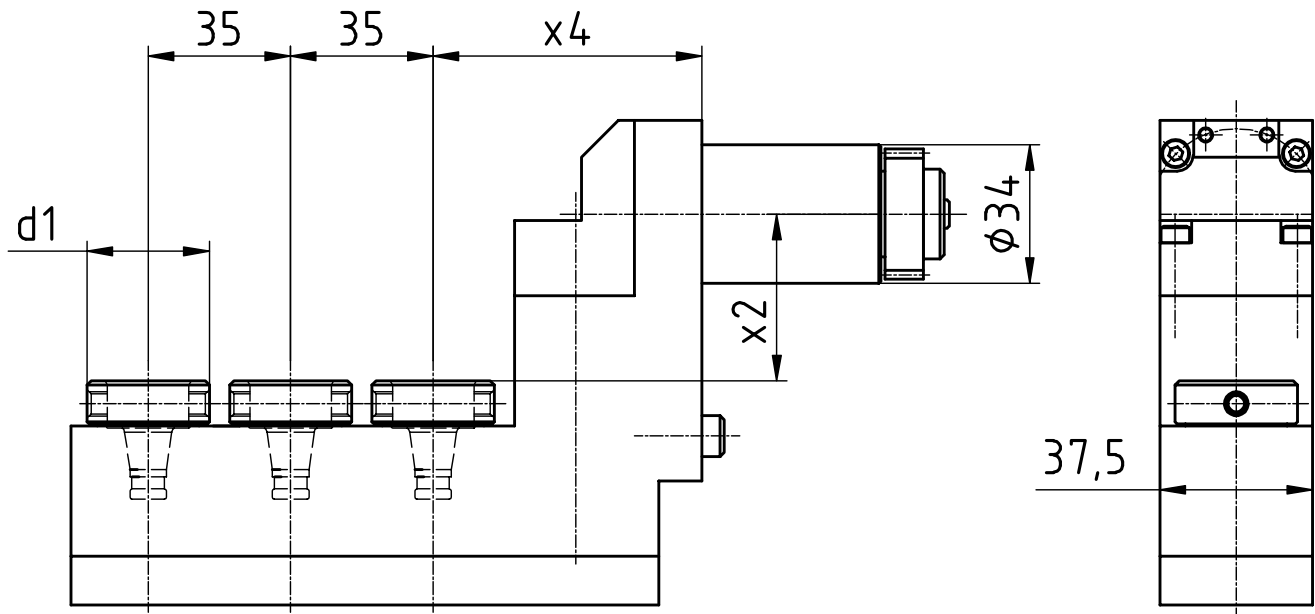
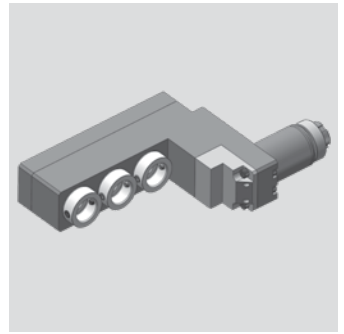
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

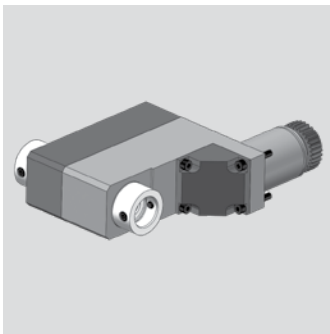
WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	41	66	WFB 20-12	8	8.000	1:1				MPU.Z34.B20.661-51-00

Passend für Maschine: SB-12/20R SR-20RII
 suitable machines: SR-20J/ JN SR-20RIV
 approprié pour la machine: SR-20RIII

Ähnlich OEM Nr. 661-51-00
 similar to OEM no.
 semblable au OEM nombre



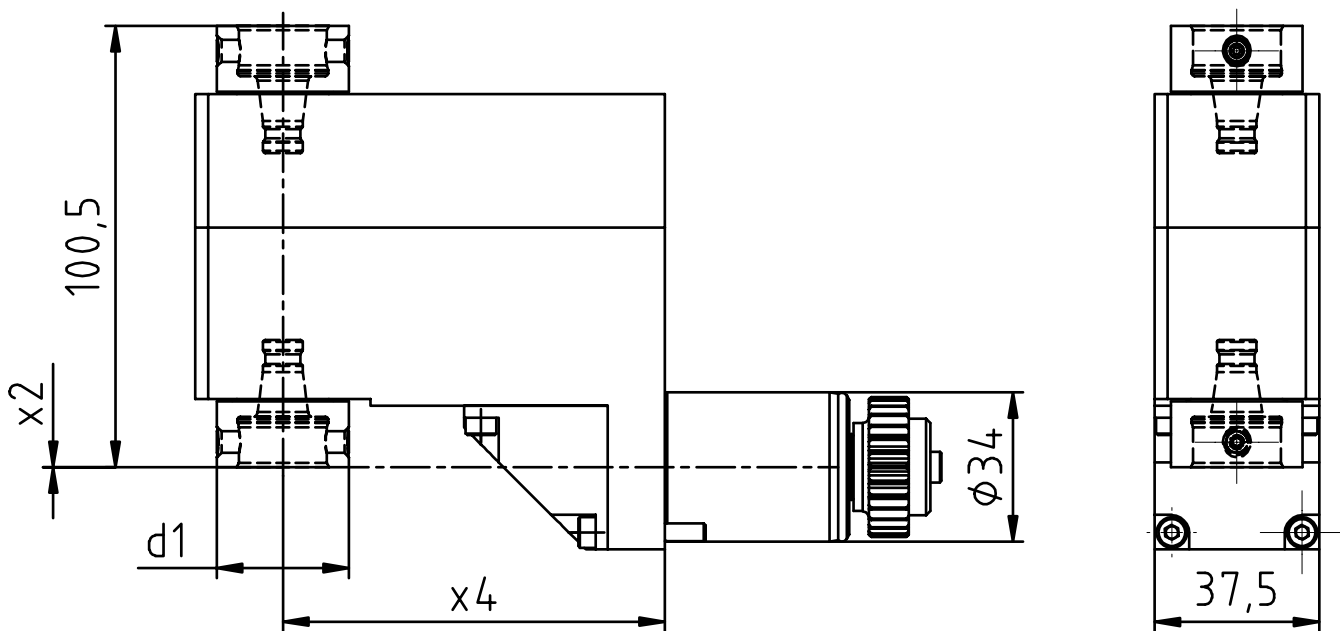
Star

Radial-Bohr- und Fräskopf (Mehrkantschlagen)

radial drilling and milling head (polyhedral beat)

Outil Rotatif Radial de Pertage et de Fraisage (battement polyedrique)

WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	0	87	WFB 20-12	13	8.000	1:1				MPU.Z34.0900.SR20

Passend für Maschine:	ECAS-12/20	SR-20J/ JN	SR-20RIV
suitable machines:	SB-12/20R	SR-20RIII	SR-32J/ JN
approprié pour la machine:	SR-10J	SR-20RII	SW-12RII

Ähnlich OEM Nr.	221-56-00
similar to OEM no.	
semblable au OEM nombre	

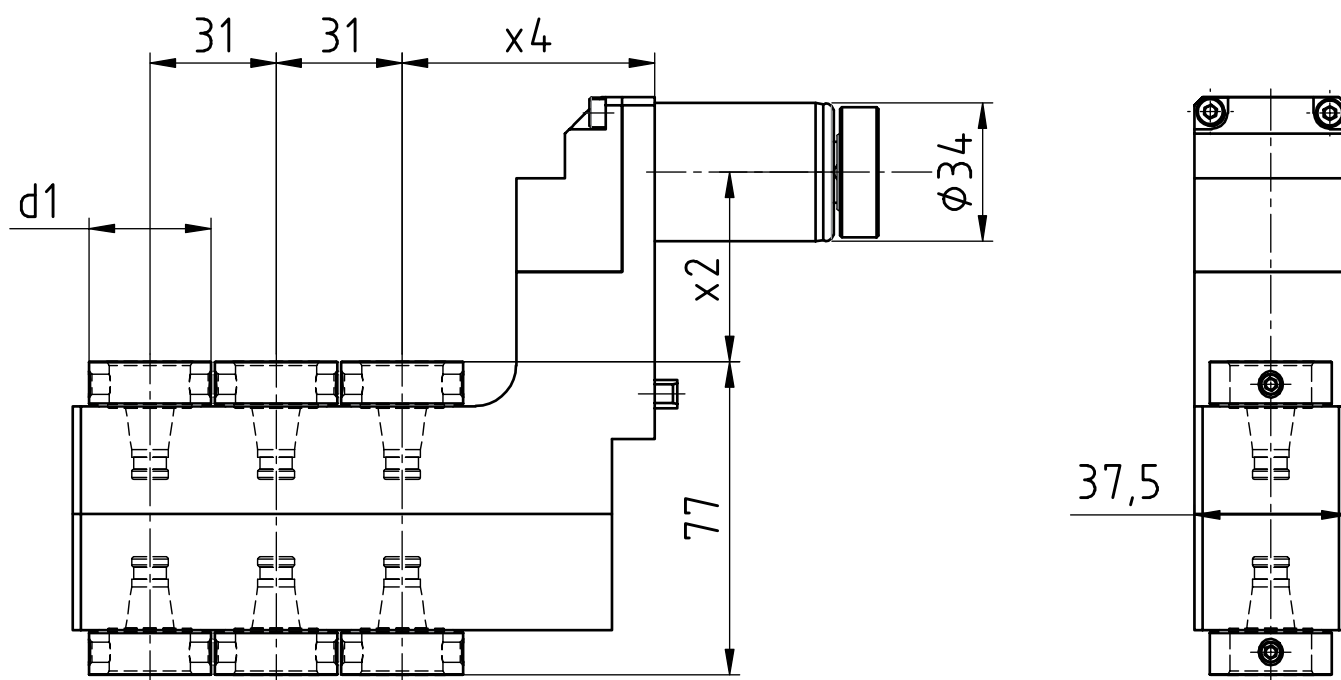
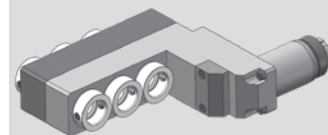
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

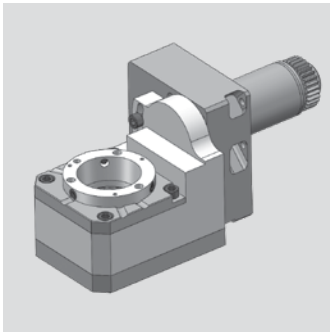
WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	46,5	62	WFB 20-12	8	8.000	1:1				MPU.Z34.B20.6A0.0M1-55

Passend für Maschine: SR-20J/ JN SR-20RIV
 suitable machines: SR-20RIII
 approprié pour la machine: SR-20RII

Ähnlich OEM Nr. OM1-55
 similar to OEM no.
 semblable au OEM nombre



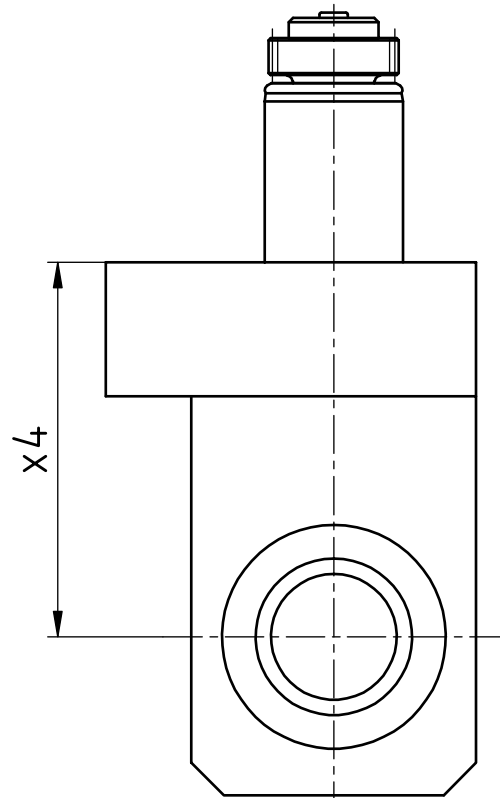
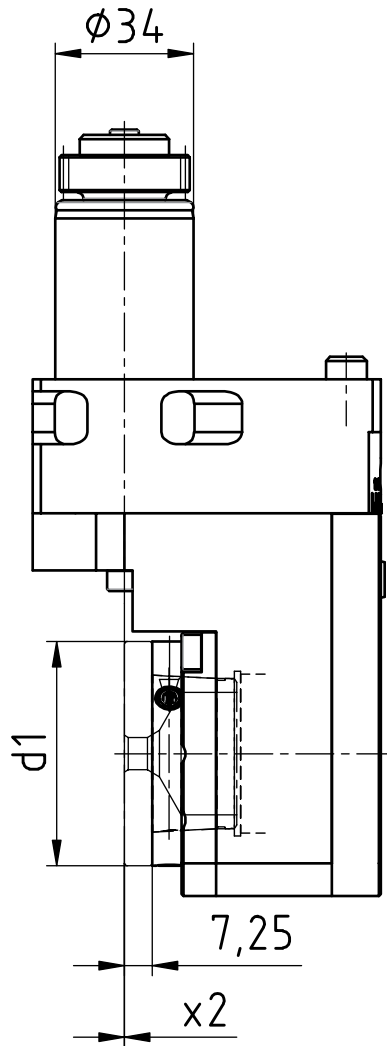
Star

Gewindewirbelapparat modular

Thread whirling unit

Unité de tourbillonnement

WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
54	0	92	WFW 50	16	4.000	2:1	x			MPU.Z34.M0800.SR20

Passend für Maschine:
suitable machines:
approprié pour la machine:

ECAS-12/20	SR-20J/JN	R-20RIV
SB-12/20R	SR-20RIII	R-32J/JN
SR-10J	SR-20RII	SW-12RII

Ähnlich OEM Nr.
similar to OEM no.
semblable au OEM nombre

541-78-00

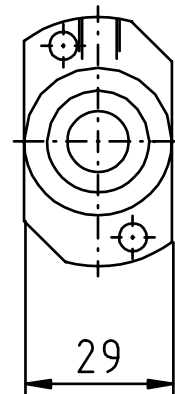
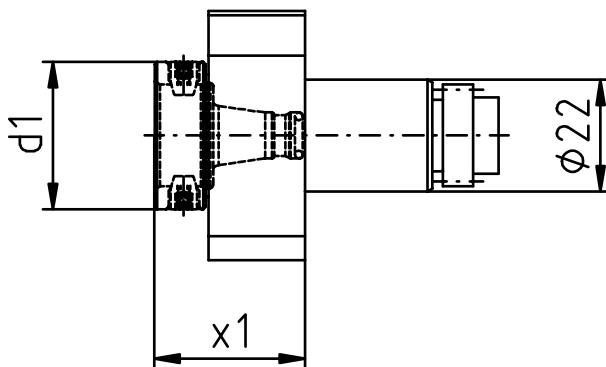
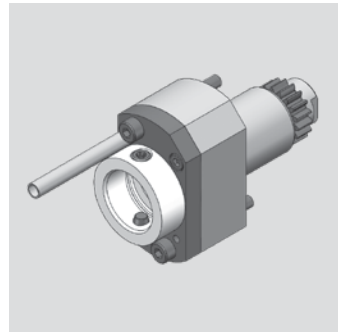
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

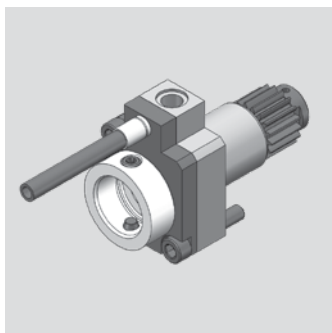
WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1								
29	29,5	WFB 20-12	10	8.000	1:1				MPU.Z22.B20.541-61-00
29	29,5	WFB 20-12	10	8.000	1:1	x	x	80	MPU.Z22.B20.541-61-1K

Passend für Maschine:	ECAS-12/20	SR-20J/ JN	SR-20RIV
suitable machines:	SB-12/20R	SR-20RIII	SR-32J/ JN
approprié pour la machine:	SR-10J	SR-20RII	SW-12RII

Ähnlich OEM Nr.	541-61-00
similar to OEM no.	
semblable au OEM nombre	



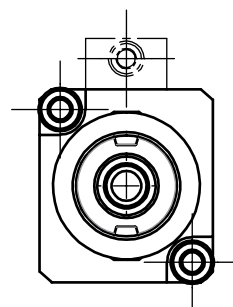
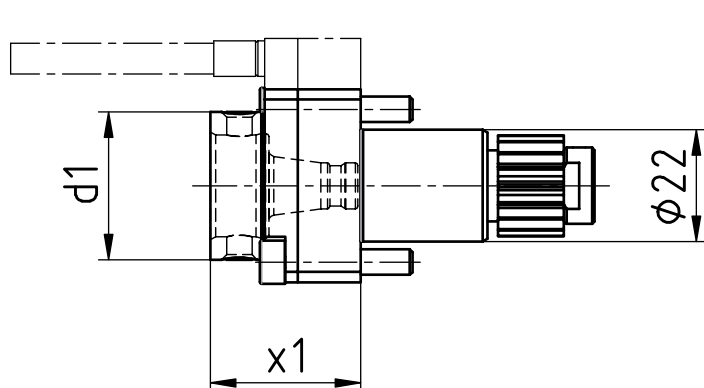
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1								
30	29,5	WFB 20-12	10	8.000	1:1				MPU.Z22.B20.AA0.OR-61
30	29,5	WFB 20-12	10	8.000	1:1	x	x	80	MPU.Z22.B20.AE0.OR-61

Passend für Maschine:	SB-12/20R	SR-38(Type A/B)
suitable machines:	SR-20RIV	SV-12RII
approprié pour la machine:	SR-32J/ JN	SW20

Ähnlich OEM Nr.	OR-61
similar to OEM no.	
semblable au OEM nombre	

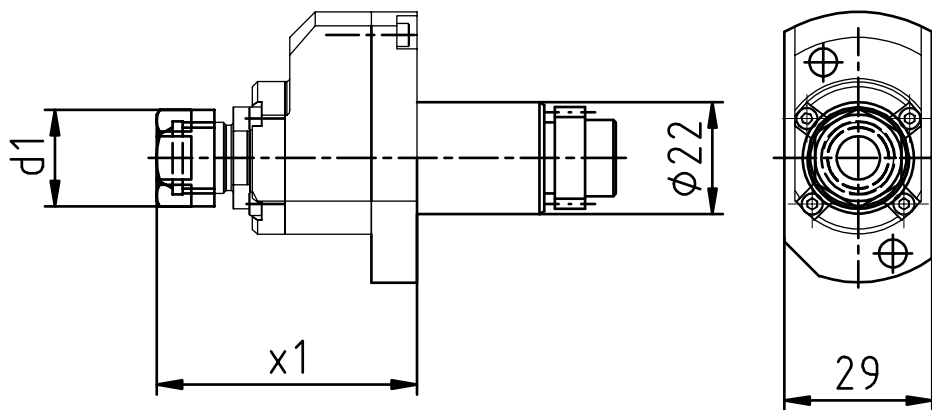
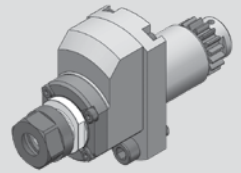
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

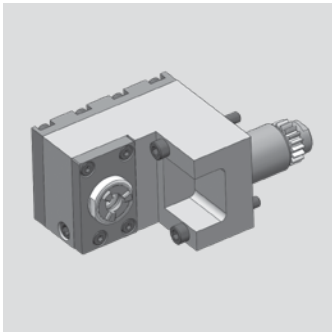
WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1			i					
19	51,2	ER11	2	32.000	1:4				MPU.Z22.E11.BA0.SR20

Passend für Maschine:	ECAS-12/20	SR-20J/JN	SR-20RIV
suitable machines:	SB-12/20R	SR-20RIII	SR-32J/JN
approprié pour la machine:	SR-10J	SR-20RII	SW-12RII

Ähnlich OEM Nr.	541-61-00
similar to OEM no.	
semblable au OEM nombre	



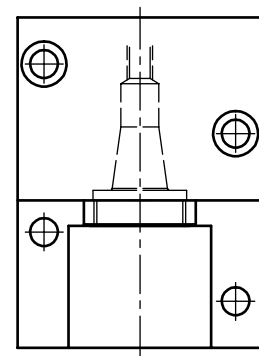
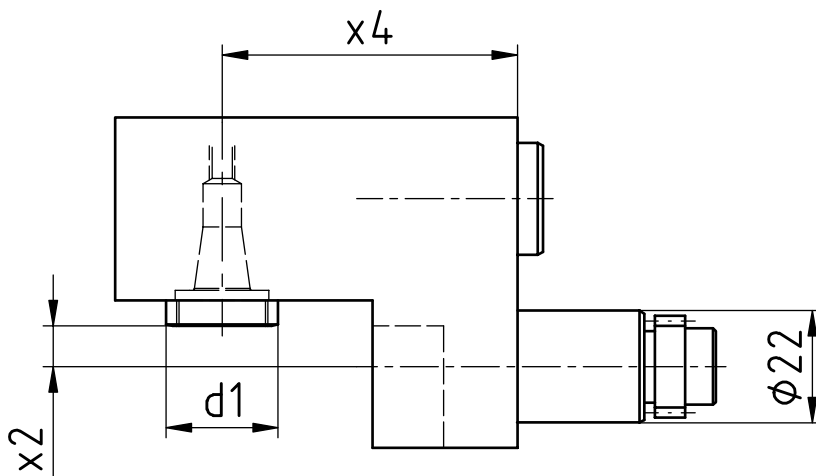
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x2	x4								
22	8	58	ER11	10	8.000	1:1				MPU.Z22.E11.VA0.SR20

Passend für Maschine:	ECAS-12/20	SR-20J/JN	SR-20TIV
suitable machines:	SB-12/20R	SR20-RIII	SR-32J/JN
approprié pour la machine:	SR-10J	SR20-RII	SW-12RII

Ähnlich OEM Nr.	
similar to OEM no.	
semblable au OEM nombre	

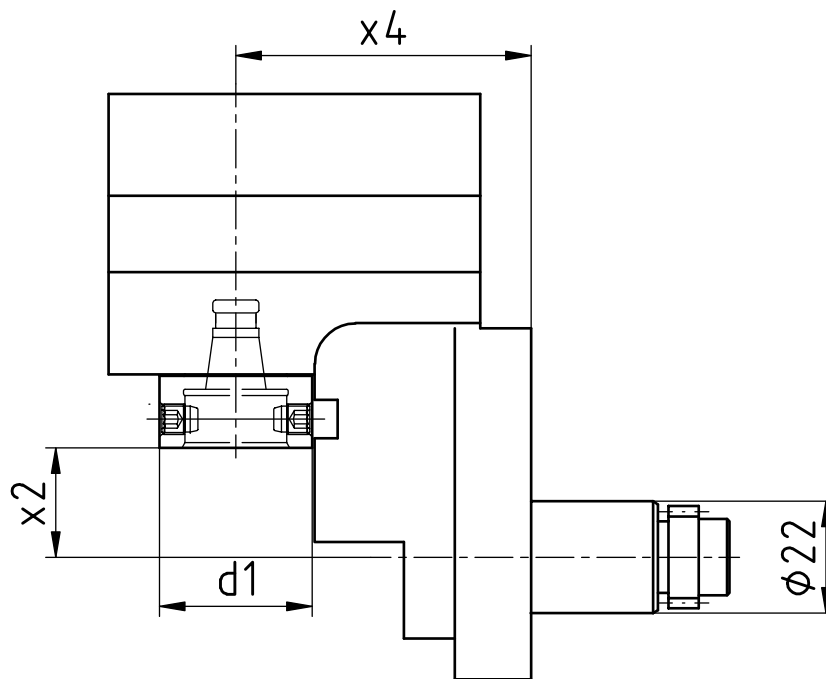
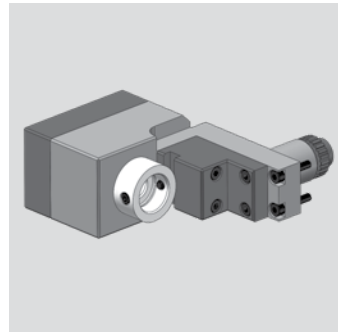
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

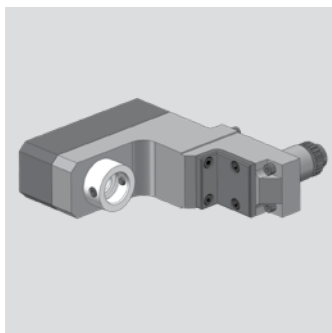
WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	21,5	84,5	WFB 20-12	13	4.000	2:1				MPU.Z22.B20.WA0.SR20

Passend für Maschine:	ECAS-12/20	SR-20J/JN	SR-20TIV
suitable machines:	SB-12/20R	SR20-RIII	SR-32J/JN
approprié pour la machine:	SR-10J	SR20-RII	SW-12RII

Ähnlich OEM Nr.
similar to OEM no.
semblable au OEM nombre



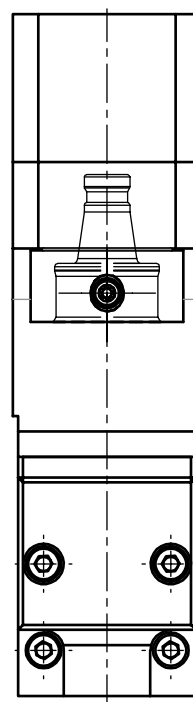
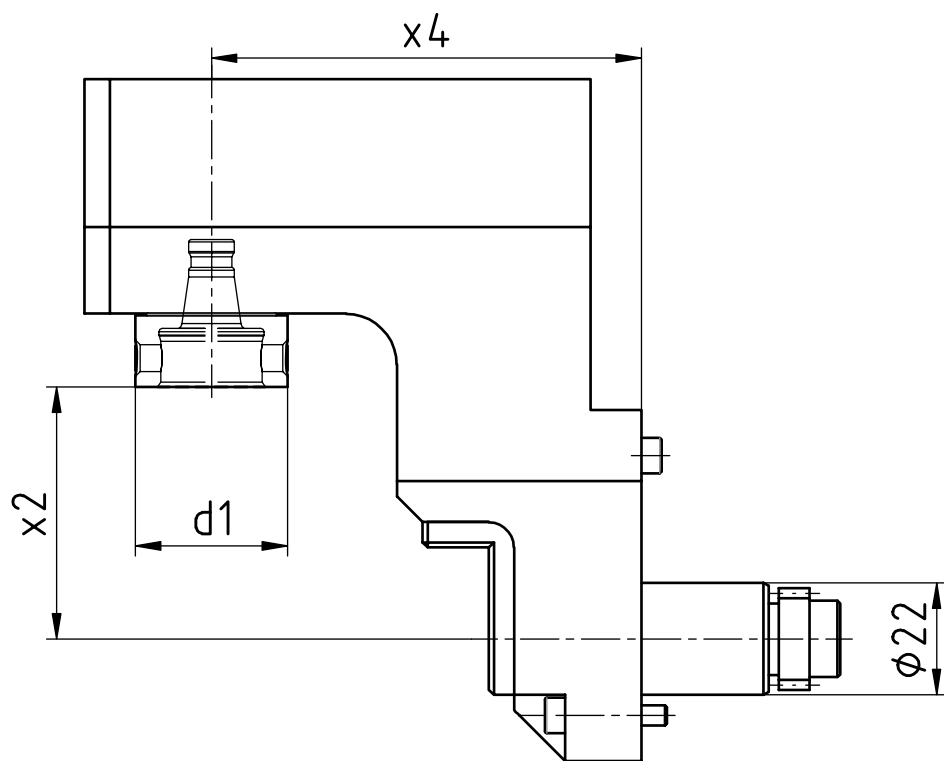
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	49,5	84,5	WFB 20-12	10	8.000	1:1				MPU.Z22.B20.RA0.OR1-51

Passend für Maschine:	ECAS-12/20	SR-20J/JN	SR-20TIV
suitable machines:	SB-12/20R	SR20-RIII	SR-32J/JN
approprié pour la machine:	SR-10J	SR20-RII	SW-12RII

Ähnlich OEM Nr.	OR1-51
similar to OEM no.	
semblable au OEM nombre	

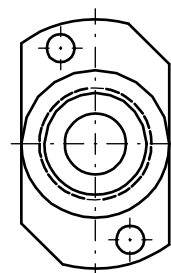
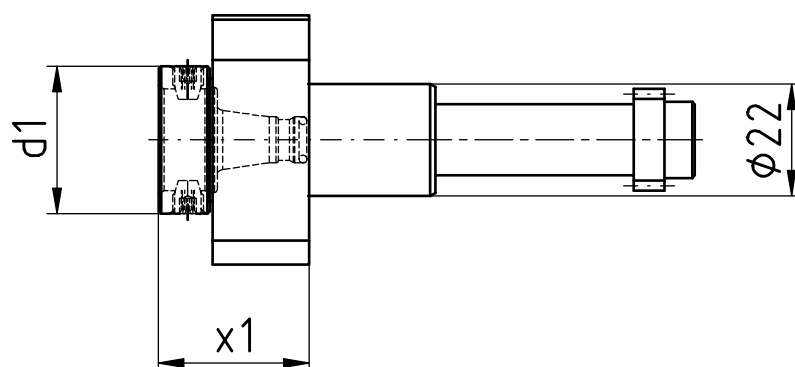
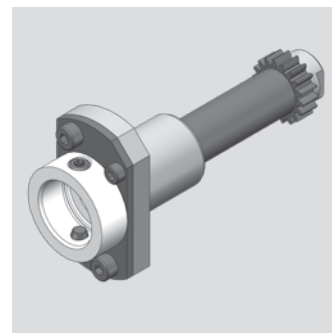
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

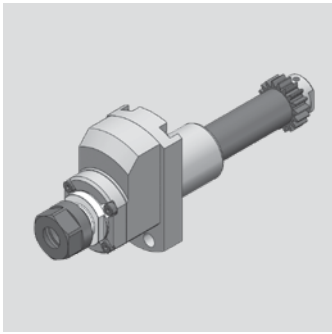
WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1								
29	29,5	WFB 20-12	10	12.000	1:1				MPU.Z22.B20.101-52-00

Passend für Maschine: SW-12R11
 suitable machines:
 approprié pour la machine:

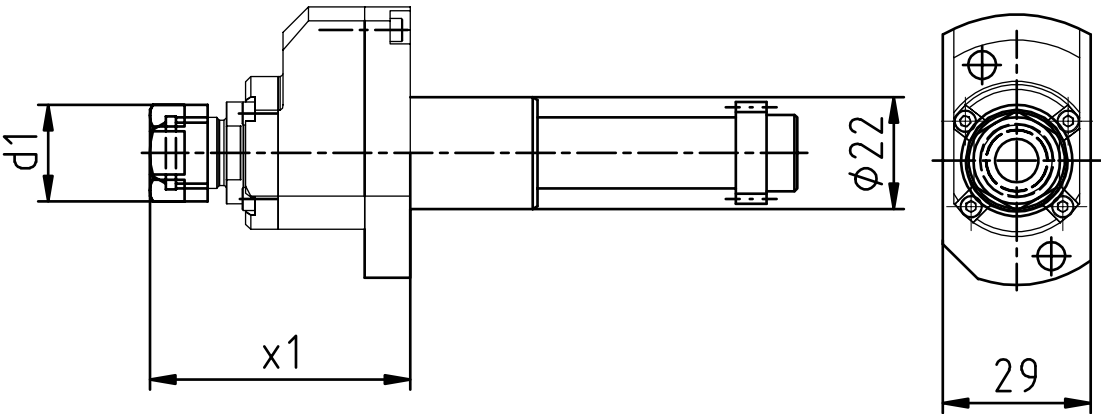
Ähnlich OEM Nr. 101-52-00
 similar to OEM no.
 semblable au OEM nombre



Star

Axial Bohr- und Fräskopf
 Axial drilling and milling head
 Outil de perçage et de fraisage axiale

WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1								
19	51,2	ER11	2	32.000	1:4				MPU.Z22.E11.BA0.101-52

Passend für Maschine: suitable machines: approprié pour la machine:	SW-12RII
--	----------

Ähnlich OEM Nr. similar to OEM no. semblable au OEM nombre	101-52-00
---	-----------

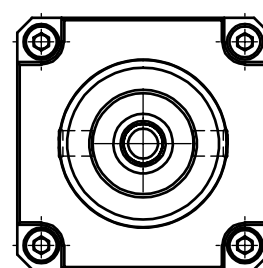
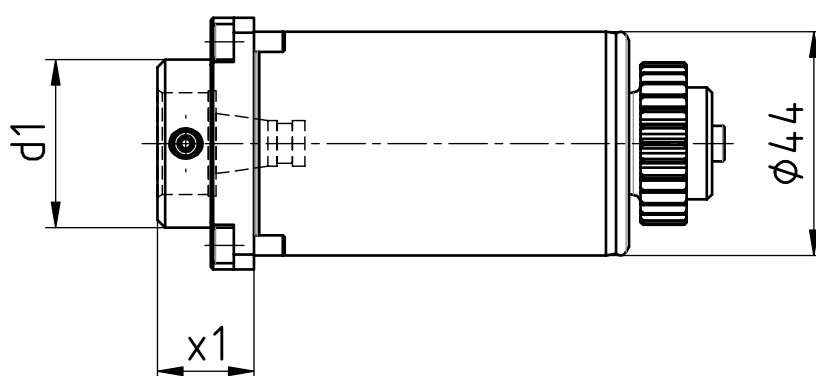
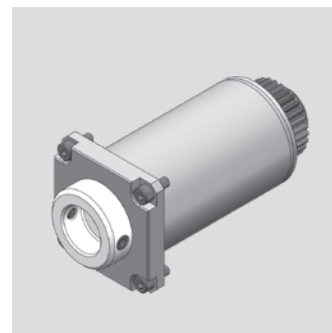
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

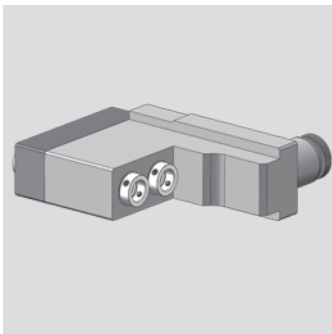
WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1			i					
30	19	WFB 20-12	16	6.000	1:1				MPU.Z44.B20.101-68-00

Passend für Maschine: SR-38(Type A/B)
 suitable machines:
 approprié pour la machine:

Ähnlich OEM Nr. 101-68-00
 similar to OEM no.
 semblable au OEM nombre



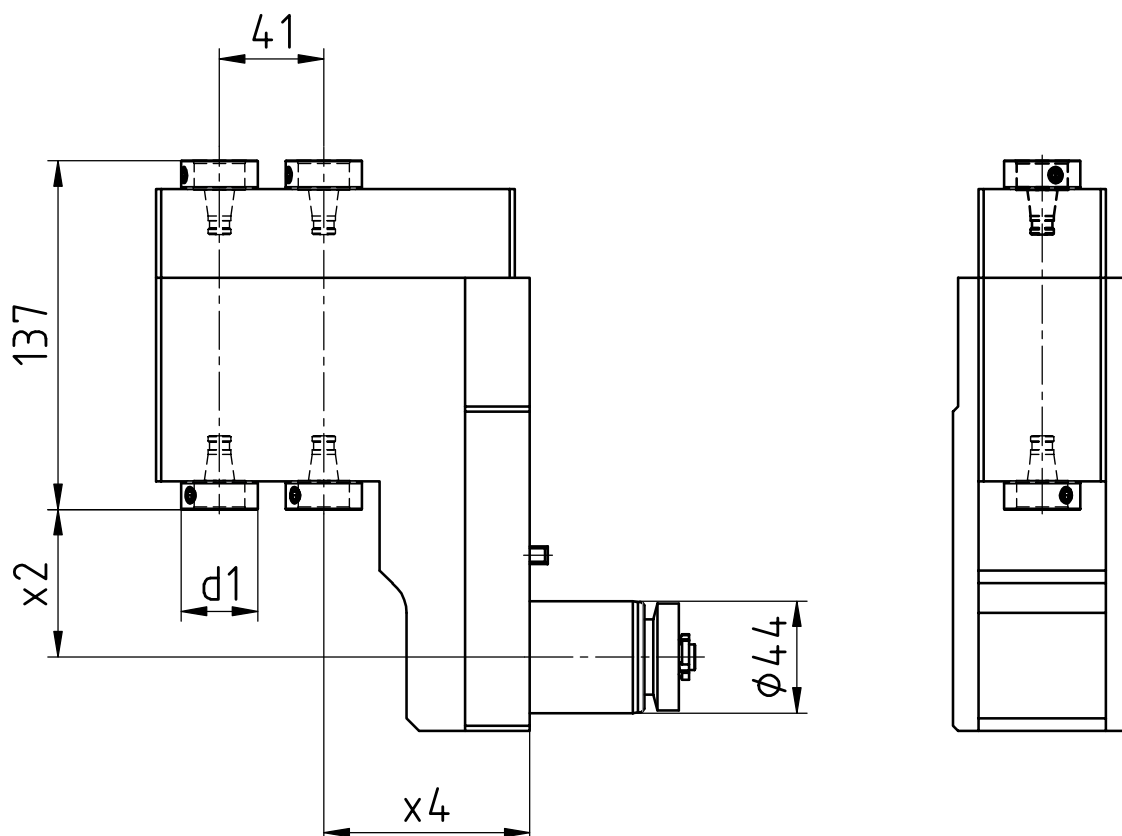
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

WG 35



[mm]	[mm]		Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1									
30	53,5	81	WFB 20-12	16	6.000	1:1				MPU.Z44.B20.101-69-00

Passend für Maschine: SR-38(Type A/B)
 suitable machines:
 approprié pour la machine:

Ähnlich OEM Nr. 101-69-00
 similar to OEM no.
 semblable au OEM nombre

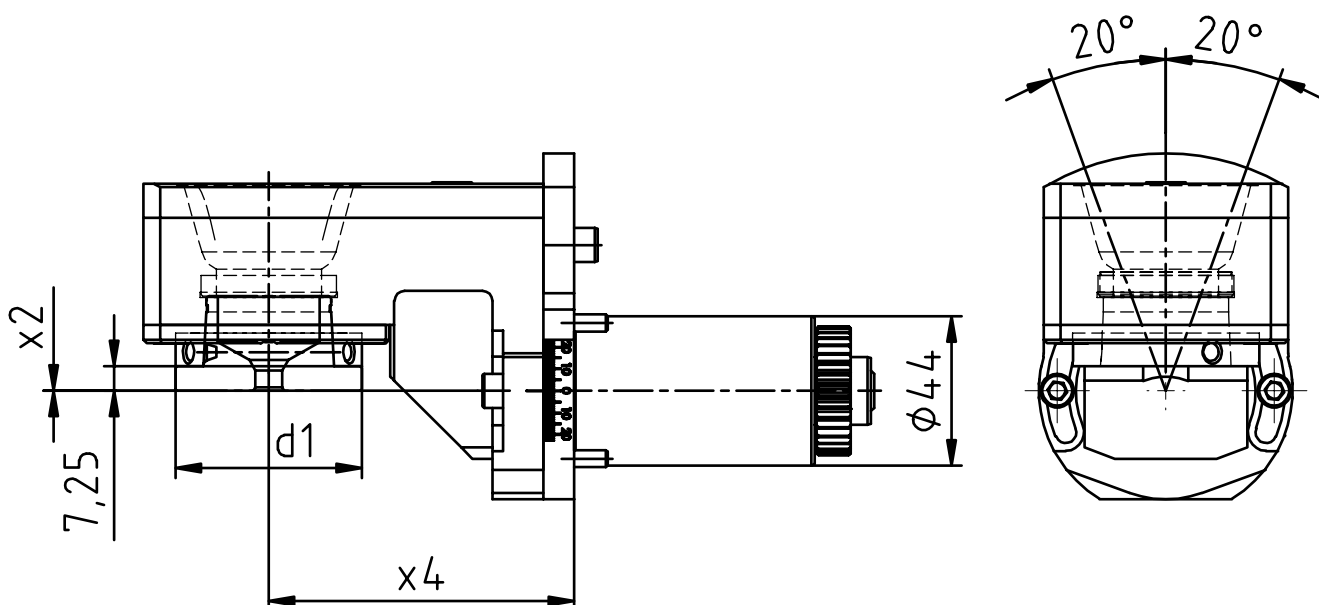
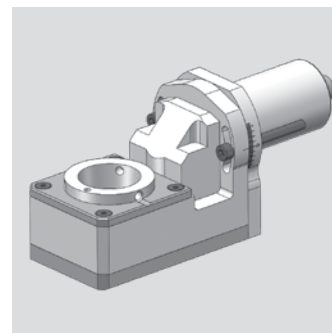
Star

Gewindewirbelapparat modular

Thread whirling unit

Unité de tourbillonnement

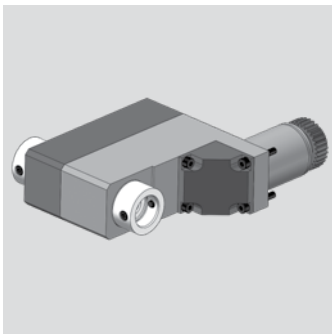
WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
54	0	90	WFW 50	16	6.000	1:1	x			MPU.Z44.M0800.SR38

Passend für Maschine: SR-38(Type A/B)
 suitable machines:
 approprié pour la machine:

Ähnlich OEM Nr. 101-72-00
 similar to OEM no.
 semblable au OEM nombre



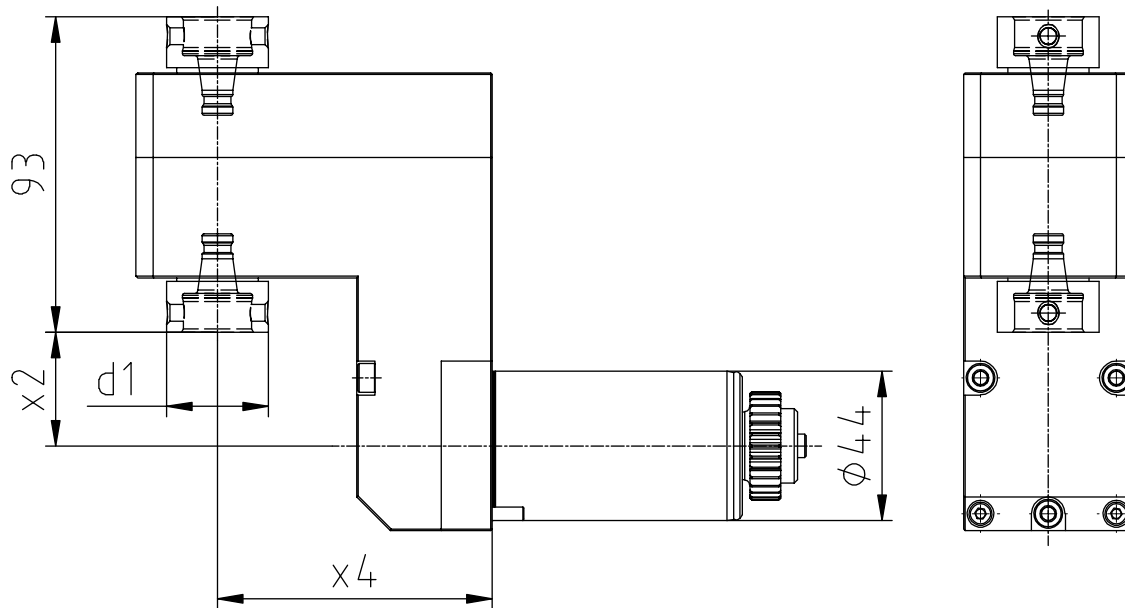
Star

Radial-Bohr- und Fräskopf (Mehrkantschlagen)

radial drilling and milling head (polyhedral beat)

Outil Rotatif Radial de Pertage et de Fraisage (battement polyedrique)

WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	33,5	81	WFB 20-12	16	6.000	1:1				MPU.Z44.0900.SR38

Passend für Maschine: SR-38
 suitable machines:
 approprié pour la machine:

Ähnlich OEM Nr. 101-71-00
 similar to OEM no.
 semblable au OEM nombre

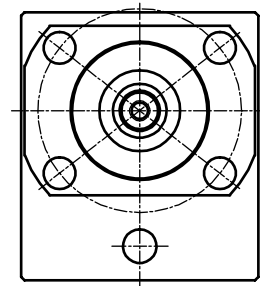
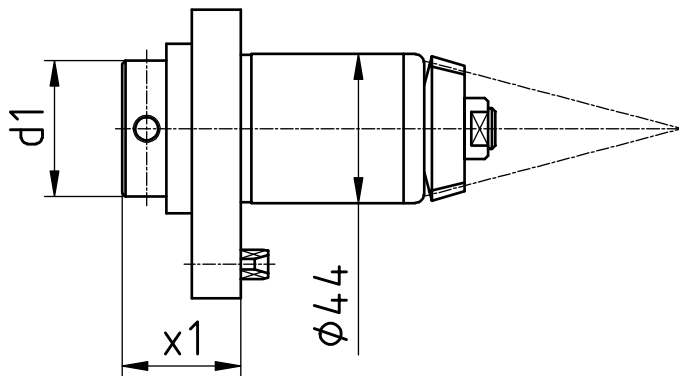
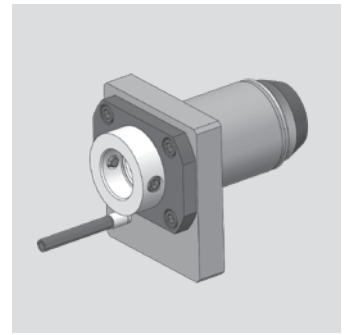
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

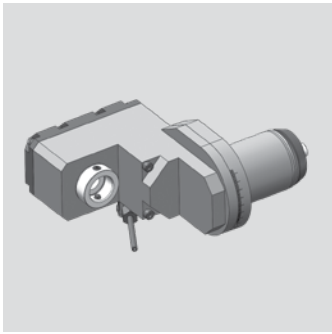
WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1								
40	35	WFB 24-16	32	8.000	1:1				MPU.Z44.B24.201-50-00
40	35	WFB 24-16	32	8.000	1:1	x	x	80	MPU.Z44.B24.201-50-1K

Passend für Maschine: ECAS-32T
 suitable machines: ST-38
 approprié pour la machine: SV-38R

Ähnlich OEM Nr. 201-50-00
 similar to OEM no.
 semblable au OEM nombre



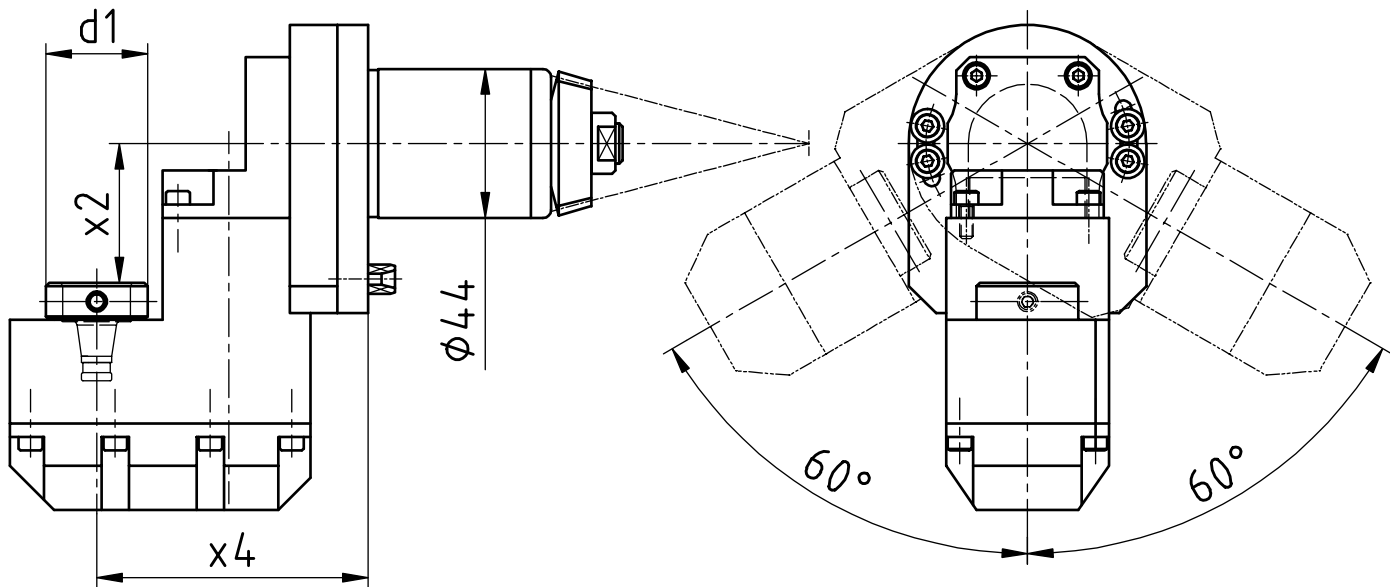
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrification ext.	Internal cooling Lubrification cent.	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i	Aussenkühlung	Innenkühlung	p	
30	41	80	WFB 20-12	10	8.000	1:1				MPU.Z44.B20.431-55-00
30	41	80	WFB 20-12	10	8.000	1:1	x	x	80	MPU.Z44.B20.431-55-IK

Passend für Maschine: ECAS-32T
 suitable machines: ST-38
 approprié pour la machine: SV-38R

Ähnlich OEM Nr. 431-55-00
 similar to OEM no.
 semblable au OEM nombre

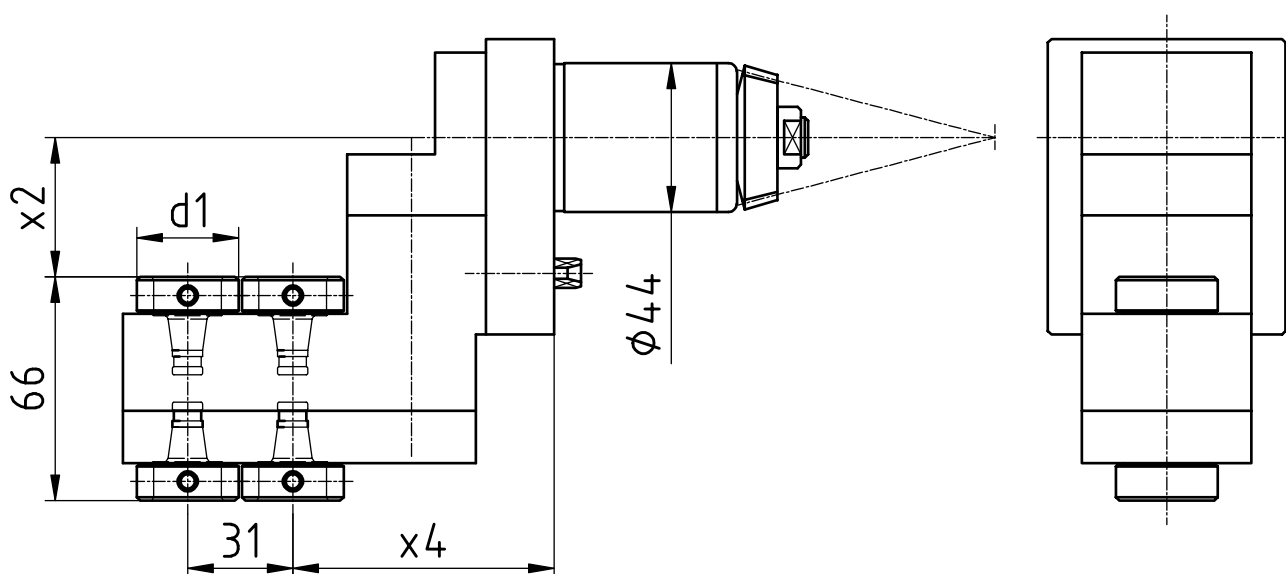
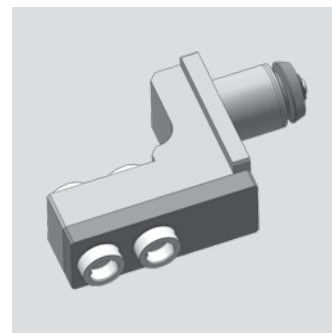
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

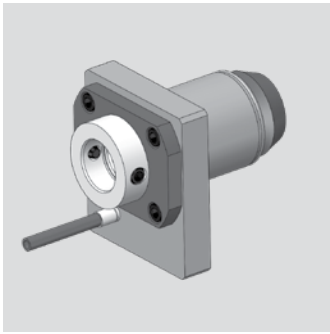
WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	41	77	WFB 20-12	10	8.000	1:1				MPU.Z44.B20.431-59-00

Passend für Maschine: ECAS-32T
 suitable machines: ST-38
 approprié pour la machine: SV-38R

Ähnlich OEM Nr. 431-59-00
 similar to OEM no.
 semblable au OEM nombre



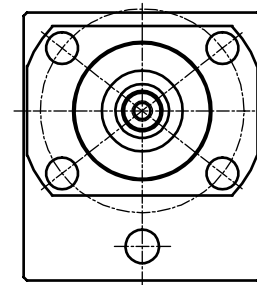
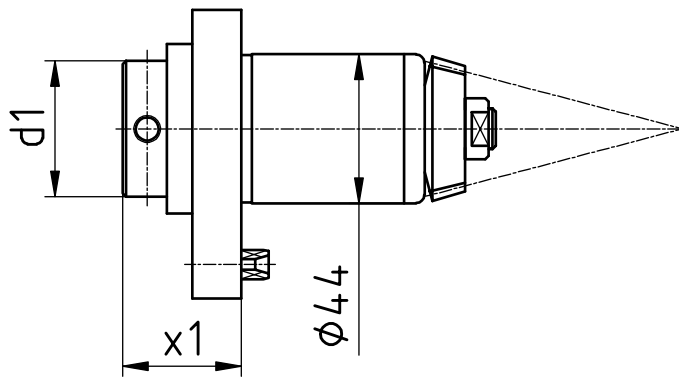
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1								
40	35	WFB 24-16	32	8.000	1:1				MPU.Z44.B24.221-50-00
40	35	WFB 24-16	32	8.000	1:1	x	x	80	MPU.Z44.B24.221-50-1K

Passend für Maschine:	ST20	SV-20
suitable machines:	ECAS-20T	SV-20R
approprié pour la machine:	SV-12	SV-32JII

Ähnlich OEM Nr.	221-50-00
similar to OEM no.	
semblable au OEM nombre	

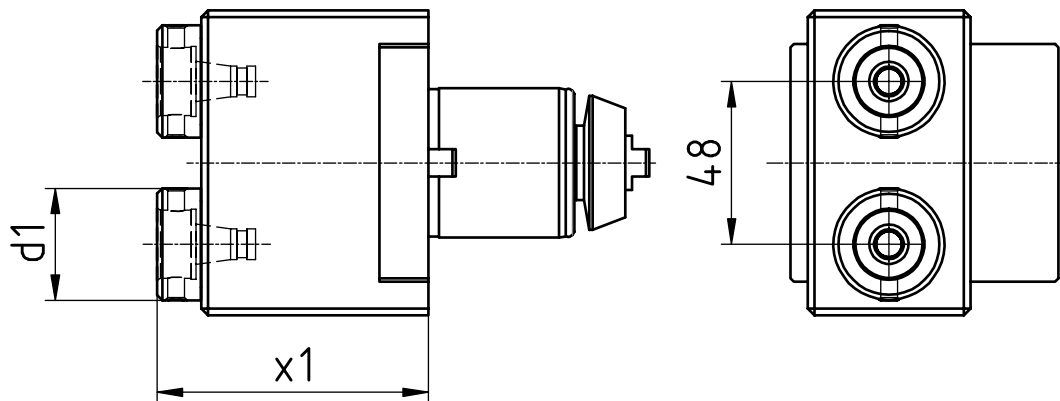
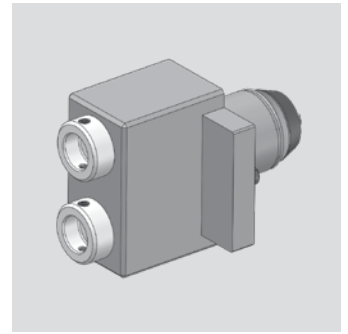
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

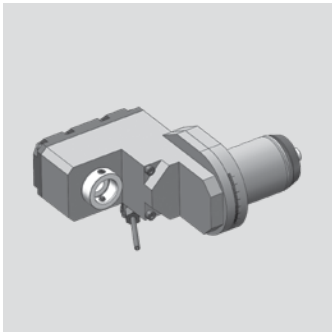
WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1								
33	73,25	WFB 20-12	16	8.000	1:1				MPU.Z44.B20.421-52-00
33	73,25	WFB 20-12	16	8.000	1:1	x	x	80	MPU.Z44.B20.421-52-1K

Passend für Maschine:	ST20	SV-20
suitable machines:	ECAS-20T	SV-20R
approprié pour la machine:	SV-12	SV-32JII

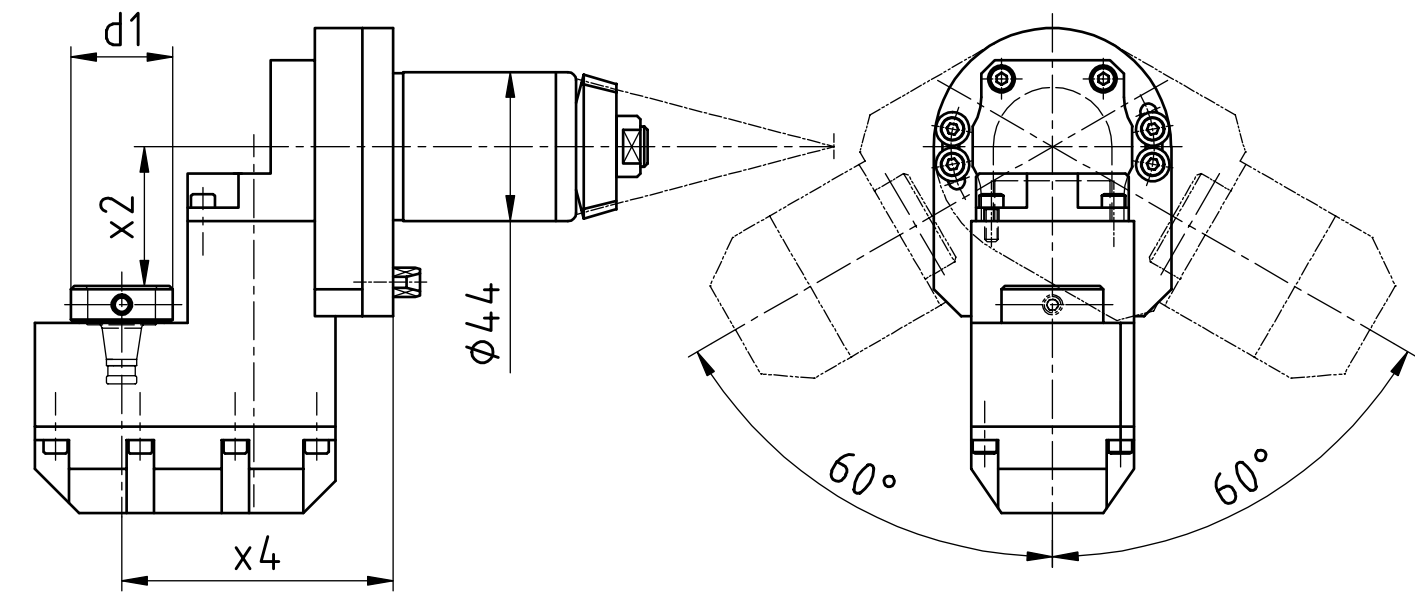
Ähnlich OEM Nr.	421-52-00
similar to OEM no.	
semblable au OEM nombre	



Star

Radial Bohr- und Fräskopf
 Radial drilling and milling head
 Outil de perçage et de fraisage radiale

WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	41	80	WFB 20-12	10	8.000	1:1				MPU.Z44.B20.421-55-00
30	41	80	WFB 20-12	10	8.000	1:1	x	x	80	MPU.Z44.B20.421-55-IK

Passend für Maschine:	ST20	SV-20
suitable machines:	ECAS-20T	SV-20R
approprié pour la machine:	SV-12	SV-32JII

Ähnlich OEM Nr.	421-55-00
similar to OEM no.	
semblable au OEM nombre	

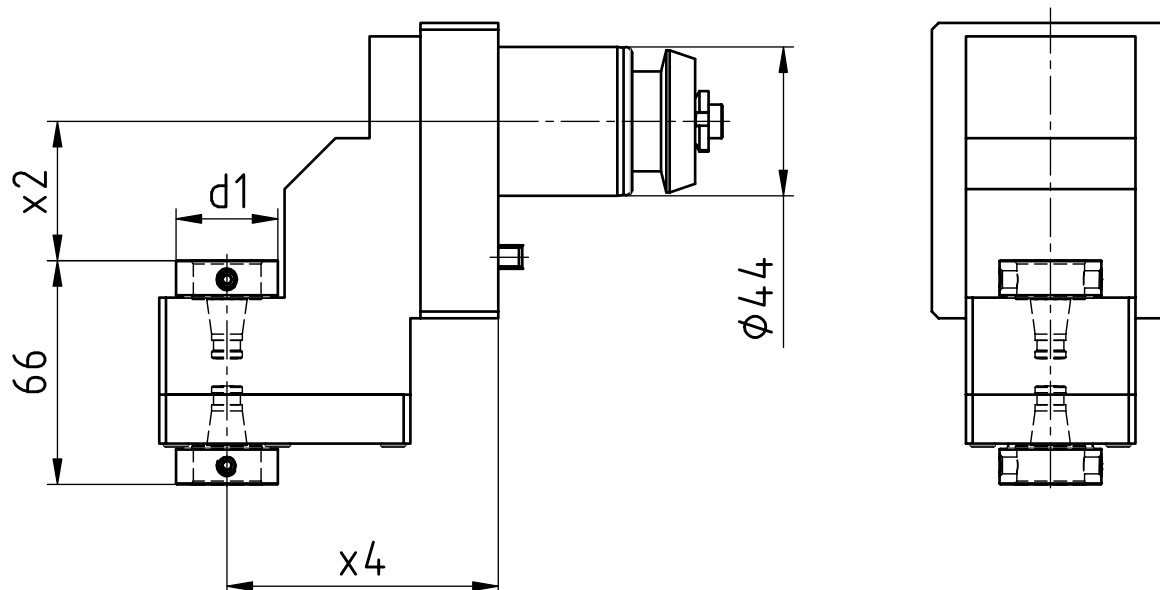
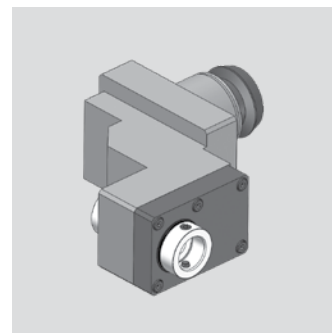
Star

Radial Bohr- und Fräskopf

Radial drilling and milling head

Outil de perçage et de fraisage radiale

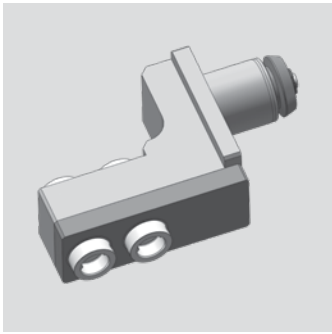
WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	41	80	WFB 20-12	13	8.000	1:1				MPU.Z44.B20.221-56-00

Passend für Maschine:	ECAS-12/20	SR-20J/ JN	SR-20RIV
suitable machines:	SB-12/20R	SR-20RIII	SR-32J/ JN
approprié pour la machine:	SR-10J	SR-20RII	SW-12RII

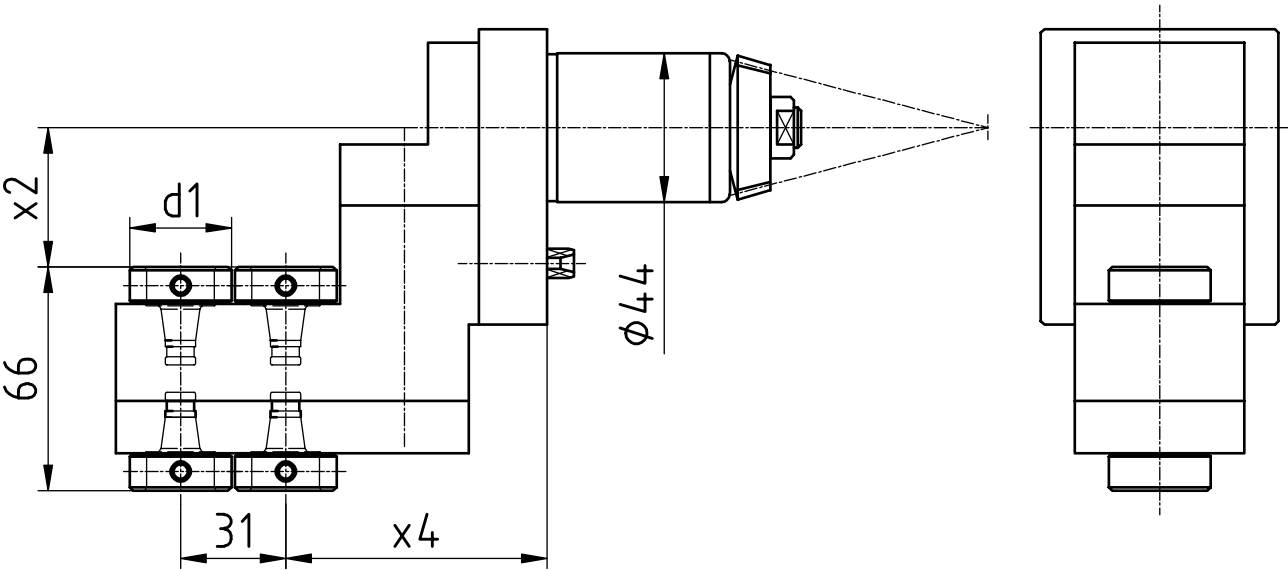
Ähnlich OEM Nr.	221-56-00
similar to OEM no.	
semblable au OEM nombre	



Star

Radial Bohr- und Fräskopf
 Radial drilling and milling head
 Outil de perçage et de fraisage radiale

WG 35



[mm]	[mm]	[mm]	Spindle Broche Spindel	[Nm]	[rpm]		Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar]	Order no. N° de Code Bestellnummer
d1	x2	x4		T max	n max	i			p	
30	41	77	WFB 20-12	10	8.000	1:1				MPU.Z44.B20.421-59-00

Passend für Maschine:	ST20	SV-20
suitable machines:	ECAS-20T	SV-20R
approprié pour la machine:	SV-12	SV-32JII

Ähnlich OEM Nr.	421-59-00
similar to OEM no.	
semblable au OEM nombre	

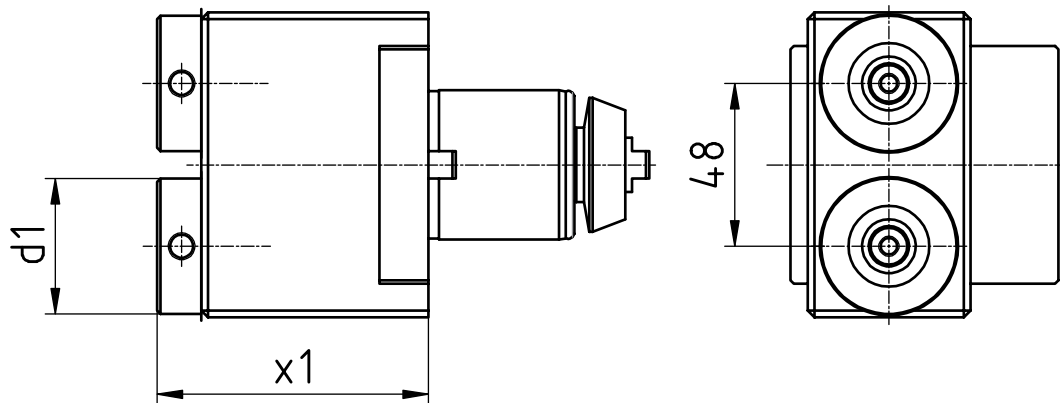
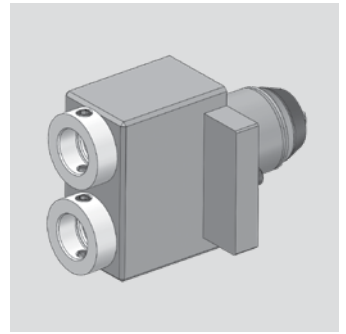
Star

Axial Bohr- und Fräskopf

Axial drilling and milling head

Outil de perçage et de fraisage axiale

WG 35



[mm]	[mm]	Spindle Broche Spindel	[Nm] T max	[rpm] n max	i	Outside cooling Lubrificat. ext. Aussenkühlung	Internal cooling Lubrificat. cent. Innenkühlung	[bar] p	Order no. N° de Code Bestellnummer
d1	x1								
40	73,25	WFB 24-16	16	8.000	1:1				MPU.Z44.B24.421-51-00
40	73,25	WFB 24-16	16	8.000	1:1	x	x	80	MPU.Z44.B24.421-51-IK

Passend für Maschine:	ST20	SV-20
suitable machines:	ECAS-20T	SV-20R
approprié pour la machine:	SV-2	SV-32JII

Ähnlich OEM Nr.	421-51-00
similar to OEM no.	
semblable au OEM nombre	