

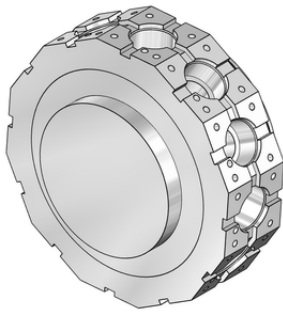


Tool Holder Program

SYIL L3 (BMT55)



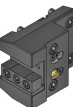
Static Toolholders - Standard Program

**OD cutting holder**

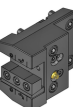
20	48-92036
3/4"	48-92037

**OD cutting holder, HP-IC**

20	48-92036-HP	IC 80 bar
3/4"	48-92037-HP	IC 80 bar

**OD cutting holder**

25	48-87097
1"	48-87098

**OD cutting holder, HP-IC**

25	48-87097-HP	IC 80 bar
1"	48-87098-HP	IC 80 bar

**OD cutting holder, both sides**

20	48-92038
3/4"	48-92039

**OD cutting holder, both sides, HP-IC**

20	48-92038-HP	IC 80 bar
3/4"	48-92039-HP	IC 80 bar

**OD cutting holder, both sides**

25	48-87099
1"	48-87100

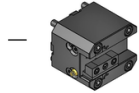
**OD cutting holder, both sides, HP-IC**

25	48-87099-HP	IC 80 bar
1"	48-87100-HP	IC 80 bar

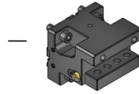
**Face cutting holder**

20	48-92045
3/4"	48-92046

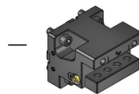
Static Toolholders - Standard Program

**Face cutting holder, HP-IC**

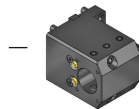
20	48-92045-HP	IC 80 bar
3/4"	48-92046-HP	IC 80 bar

**Face cutting holder**

25	48-87101
1"	48-87102

**Face cutting holder, HP-IC**

25	48-87101-HP	IC 80 bar
1"	48-87102-HP	IC 80 bar

**ID combination holder, universal, LF=85**

Ø 40	48-96790	IC 80 bar
Ø 1 1/2"	48-96791	IC 80 bar

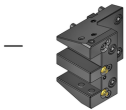
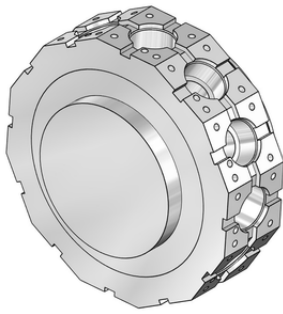


241140020 ER32

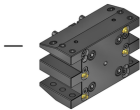
**Cover plate**

48-87111

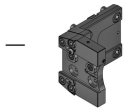
Static Toolholders - Enhanced Program

**OD cutting holder, double, Y axis**

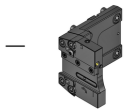
25(1") 48-87140

**OD cutting holder, both sides, double, Y axis**

25(1") 48-87141

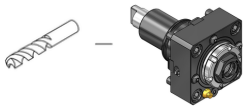
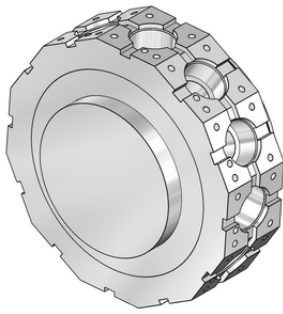
**Cut-off holder, adjustable**

SH 32 48-103287

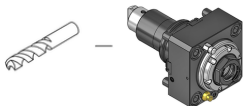
**Cut-off holder, adjustable, HP-IC**

SH 32	48-110160R	IC 80 bar
SH 32	48-110160L	IC 80 bar

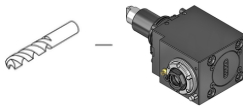
Driven Toolholders - QuickFlex®

**Straight drill/milling unit**

ER-25 QF	QF25-DNE-BT55A-049-E-A	1:1	EC	 0067725000
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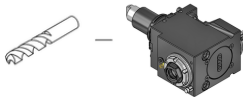
**Straight drill/milling unit**

ER-25 QF	420125016-55	1:1	IC 80 bar	 0067725000
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**Right angle drill/milling unit, LF=85**

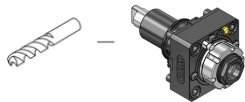
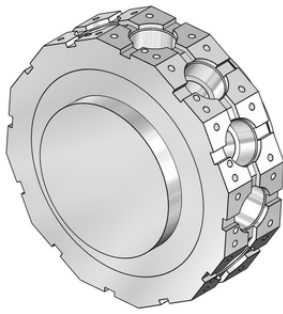
ER-25 QF	QF25-DNI-BT55A-085-E-A	1:1	EC	 0067725000
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ER-25 QF	420525019-55	1:1	IC 80 bar	 0067725000
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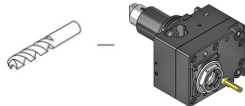
**Right angle drill/milling unit, both sides, LF=85**

ER-25 QF	420525020-55	1:1	EC	 0067725000
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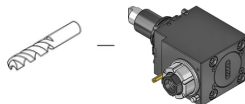
Driven Toolholders - Enhanced Program

**Straight drill/milling unit**

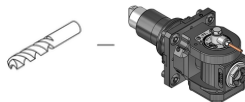
ER 32	ER32-DNE-BT55A-058-E-A	1:1	EC		0067725000
ER 32	ER32-DNE-BT55A-058-I-A	1:1	IC 100 bar		0067725000

**Straight offset drill/milling unit**

ER 25	410116029-55	1:1	EC		00675000932
ER 25	410116030-55	1:1	IC 80 bar		00675000932
ER 20	410113009-55	1:2	EC		00675000939
ER 20	410113010-55	1:2	IC 80 bar		00675000939
ER 16	410410004-55	1:3	EC		00675000937
ER 16	410410005-55	1:3	IC 80 bar		00675000937

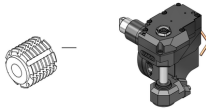
**Right angle drill/milling unit, LF=85**

ER 32	410520030-55	1:1	EC		0067725000
ER 32	ER32-DNI-BT55A-085-I-A	1:1	IC 100 bar		0067725000
ER-20 QF	QF20-DNI-BT55A-085-E-S-A	1:2	EC		0067720001
ER-20 QF	QF20-DNI-BT55A-085-I-S-A	1:2	IC 100 bar		0067720001
ER-25 QF	QF25-DNI-BT55A-085-E-T-A	2:1	EC		0067725000
ER-25 QF	QF25-DNI-BT55A-085-I-T-A	2:1	IC 100 bar		0067725000

**Adjustable angle drill/milling unit**

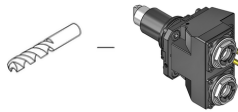
ER 16	411010005-55	1:1	EC		00675000902
ER 16	411010006-55	1:1	IC 80 bar		00675000902
ER 11	411007007-55	1:2	EC		00675000914
ER 11	411007008-55	1:2	IC 80 bar		00675000914

Driven Toolholders - Enhanced Program

**Gear hobbing unit**

Type 15-2 411500013-55 2:1 EC

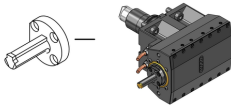
00675001015
 160008152 Ø 8
 160010152 Ø 10
 160013152 Ø 13
 160016152 Ø 16
 160022152 Ø 22
 160015152 Ø 5/8"
 160019152 Ø 3/4"
 110587

**Straight drill/milling unit, double, Y axis**

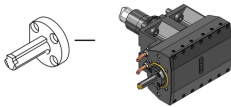
ER 25 413002004-55 1:1 EC

ER 25 413002003-55 1:1 IC 80 bar

00675000970
 00675000970

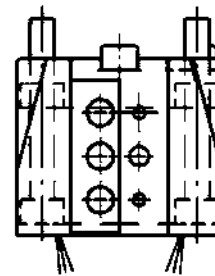
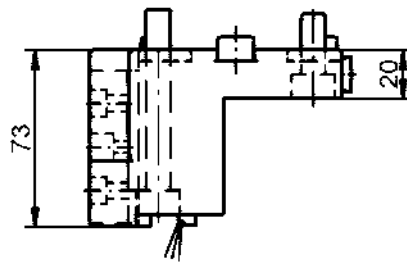
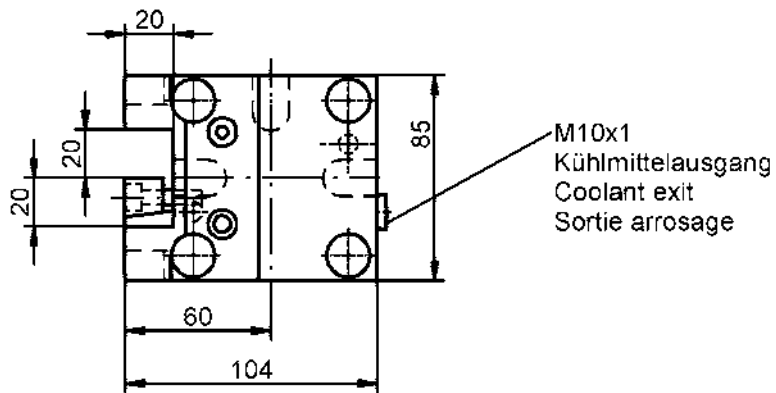
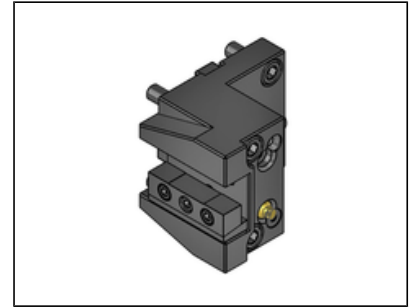
**Broaching unit for ID and OD**

Type 32 414532000-55 1:1 EC

**Broaching unit for ID and OD**

Type 52 414552002-55 1:1 EC

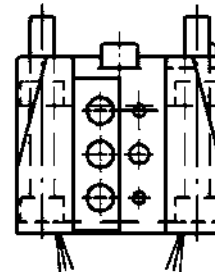
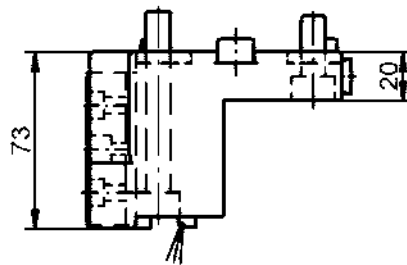
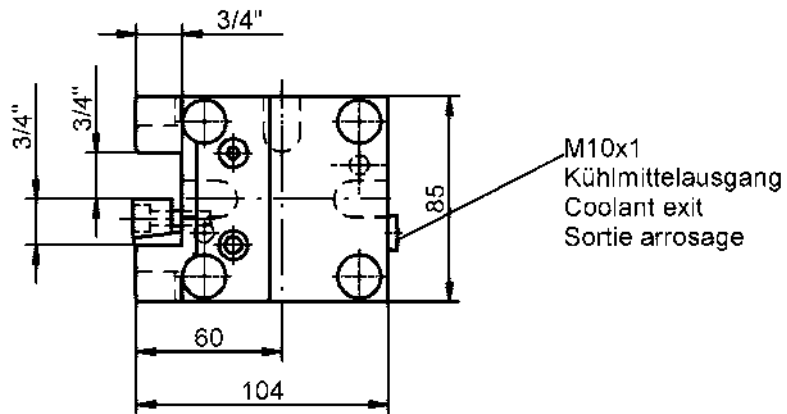
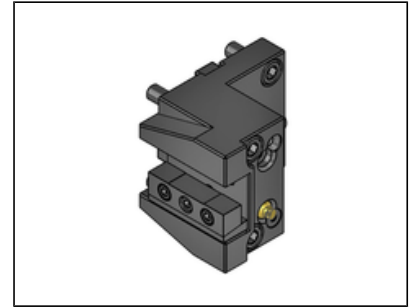
OD cutting holder
180° reversible



Item No.	Tool Clamping				
48-92036	20				

Accessories
(not included)

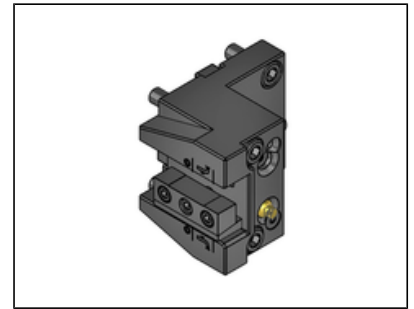
OD cutting holder
180° reversible



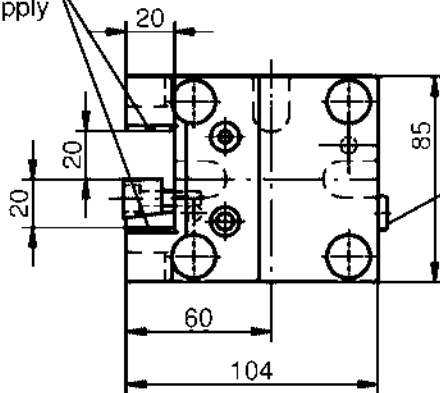
Item No.	Tool Clamping				
48-92037	3/4"				

Accessories
(not included)

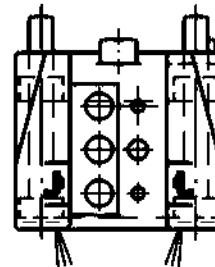
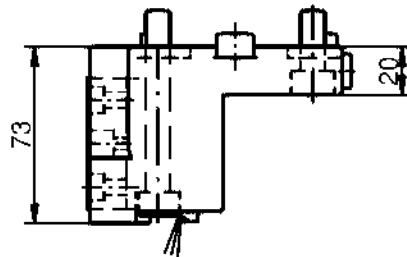
OD cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



IK Kühlmittelübergabe
IC Coolant supply



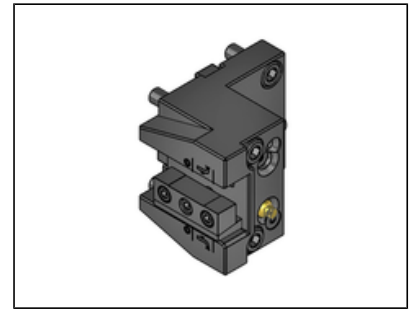
M10x1
Kühlmittelausgang
Coolant exit
Sortie arrosage



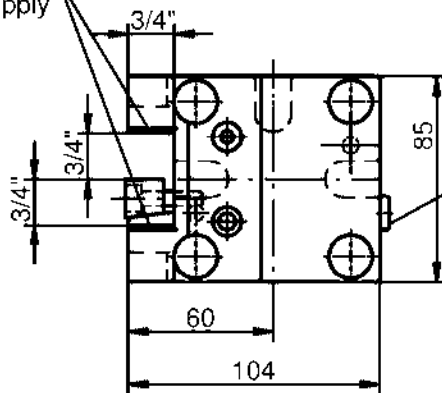
Item No.	Tool Clamping				
48-92036-HP	20				

Accessories
(not included)

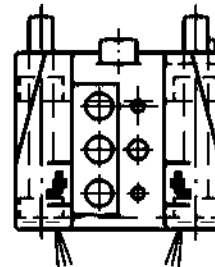
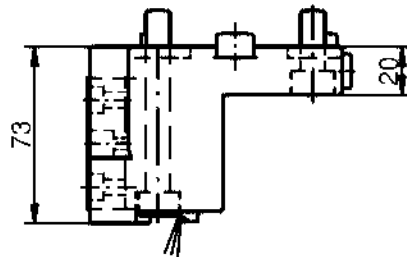
OD cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



IK Kühlmittelübergabe
IC Coolant supply



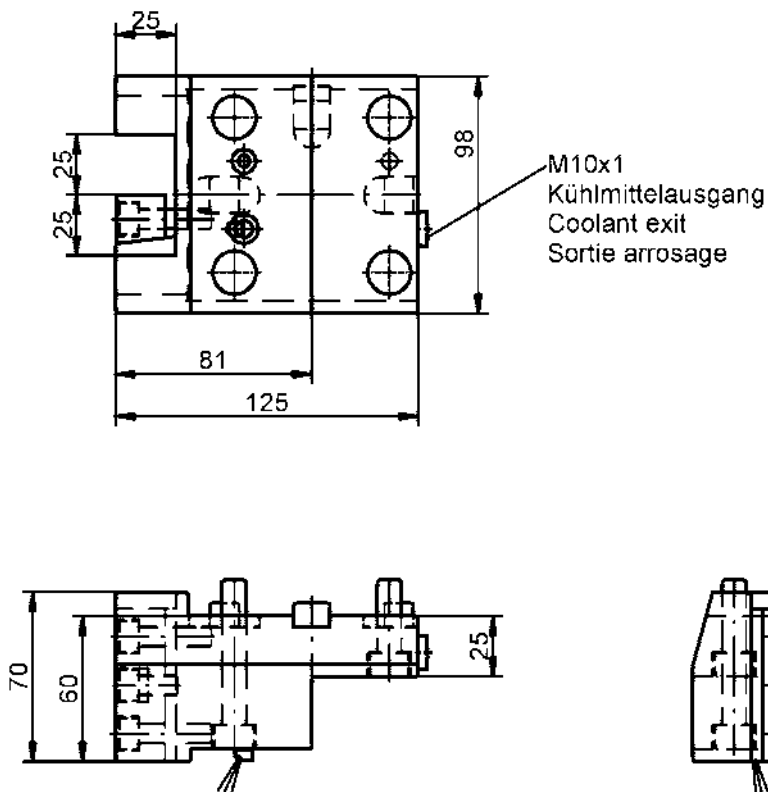
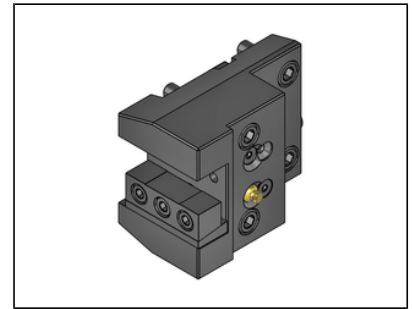
M10x1
Kühlmittelausgang
Coolant exit
Sortie arrosage



Item No.	Tool Clamping				
48-92037-HP	3/4"				

Accessories
(not included)

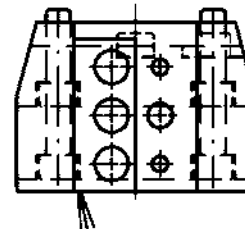
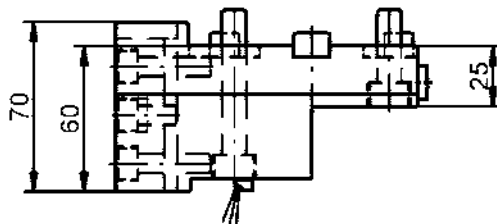
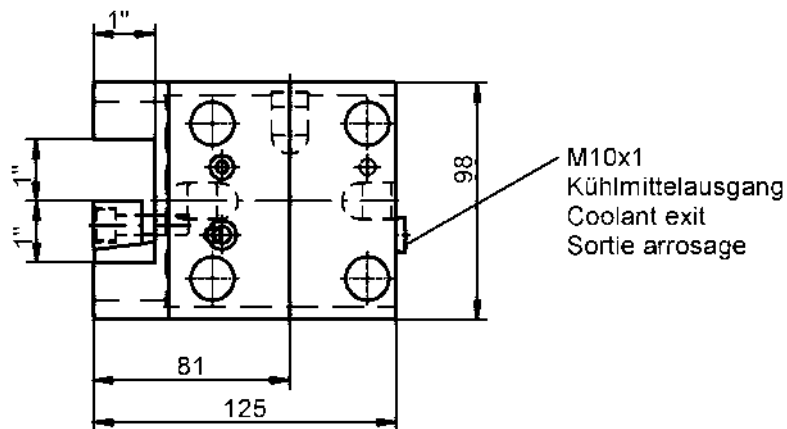
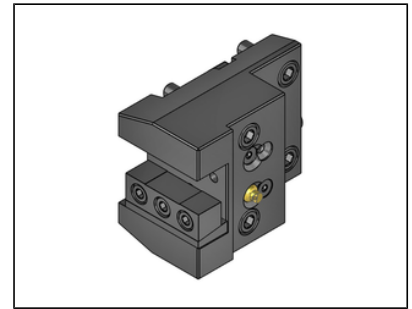
OD cutting holder
180° reversible



Item No.	Tool Clamping				
48-87097	25				

Accessories
(not included)

OD cutting holder



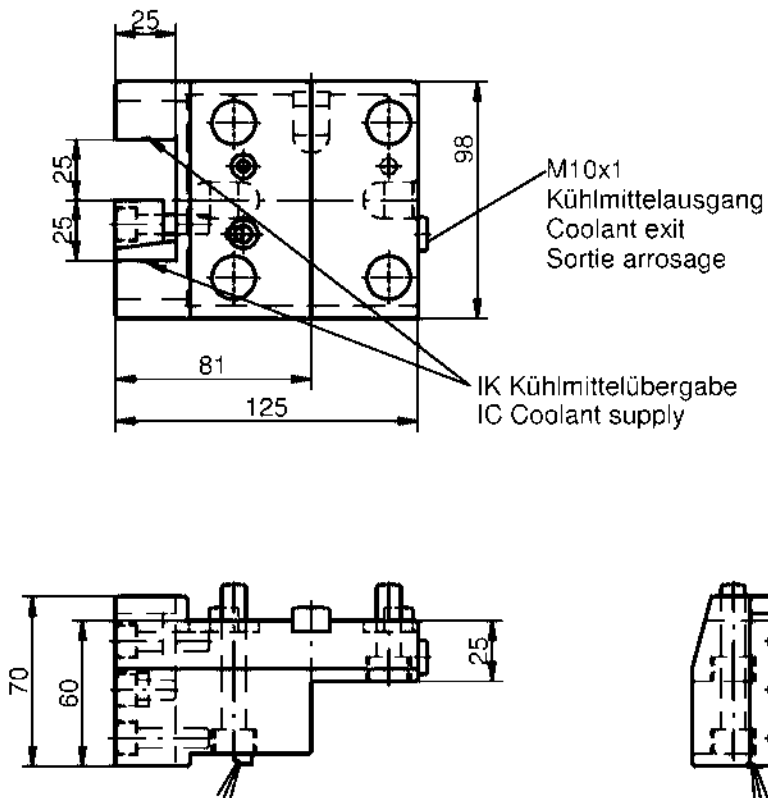
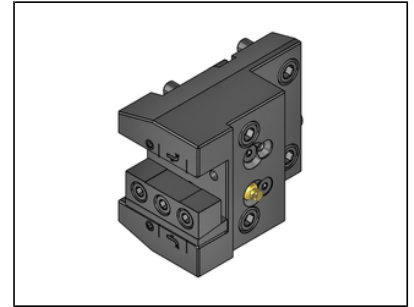
Item No.	Tool Clamping				
48-87098	1"				

Accessories
(not included)

SYIL L3 (BMT55)



OD cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



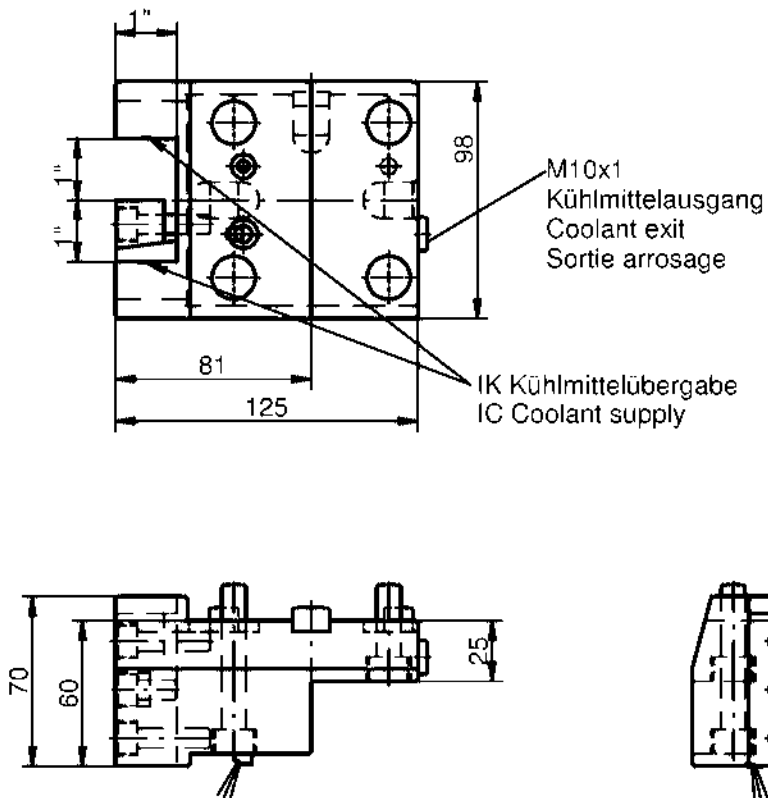
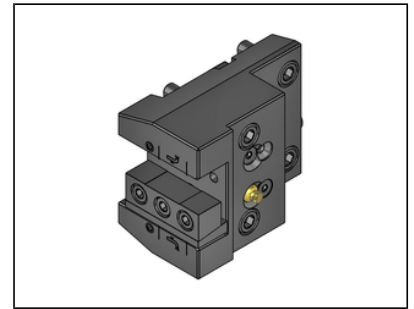
Item No.	Tool Clamping				
48-87097-HP	25				

Accessories
(not included)

SYIL L3 (BMT55)



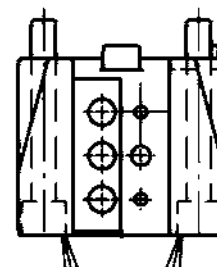
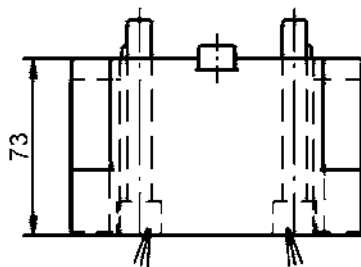
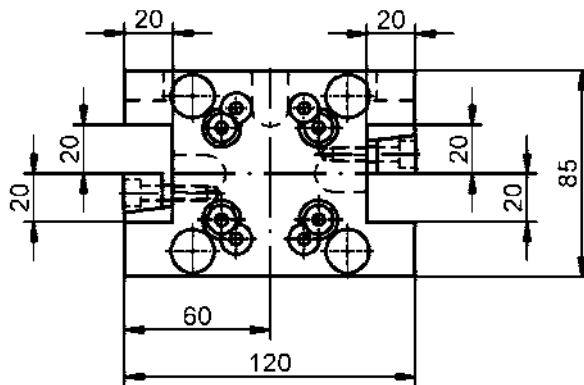
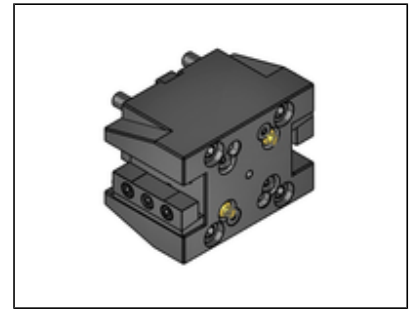
OD cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)



Item No.	Tool Clamping				
48-87098-HP	1"				

Accessories
(not included)

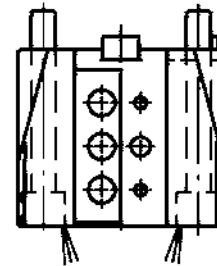
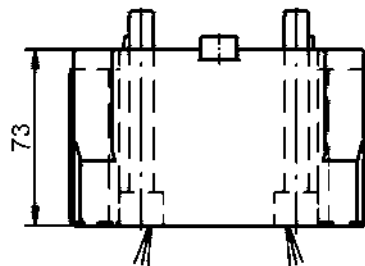
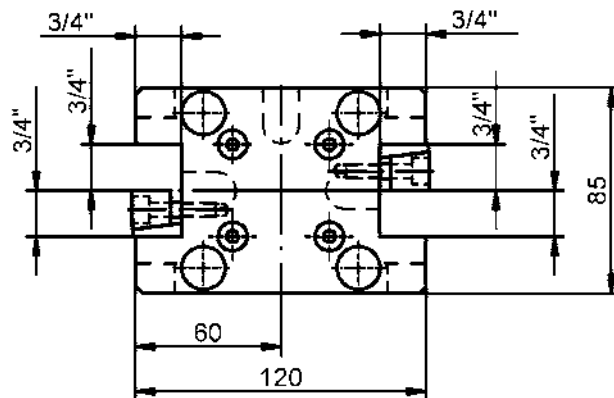
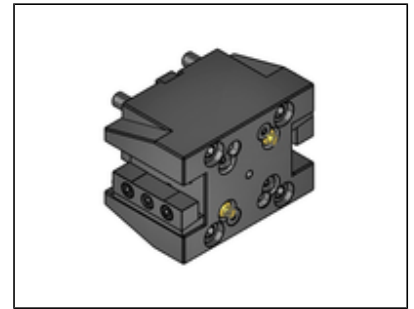
OD cutting holder, both sides



Item No.	Tool Clamping				
48-92038	20				

Accessories
(not included)

OD cutting holder, both sides

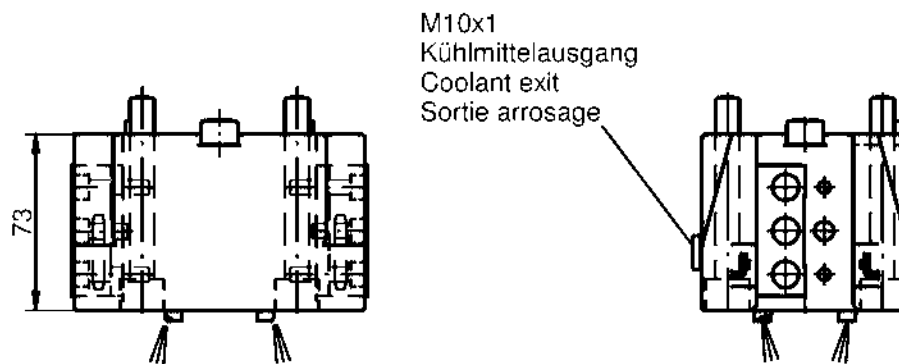
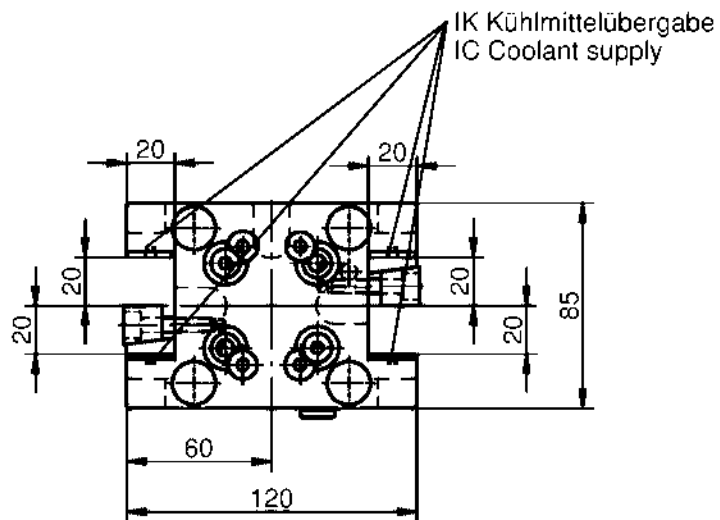
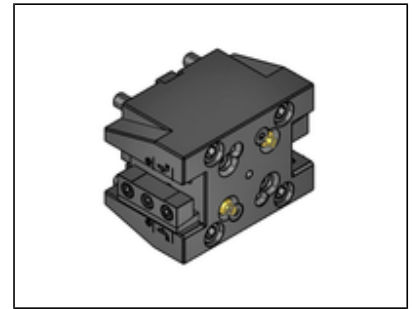


Item No.	Tool Clamping				
48-92039	3/4"				

Accessories
(not included)

OD cutting holder, both sides

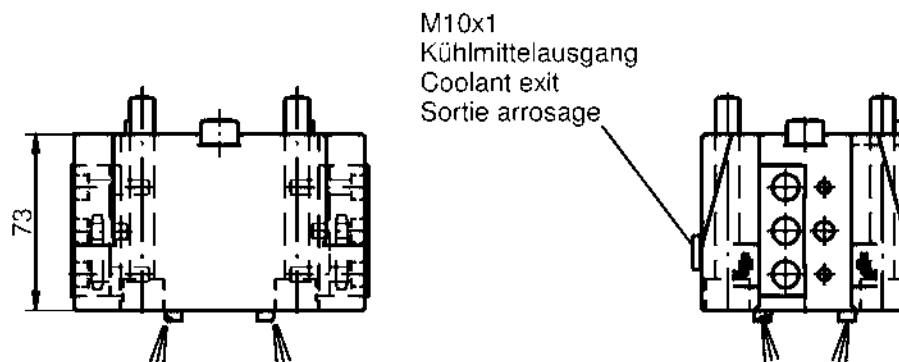
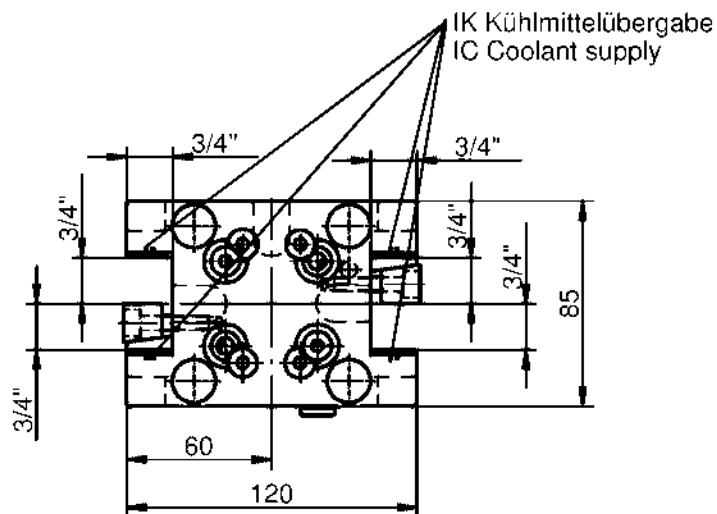
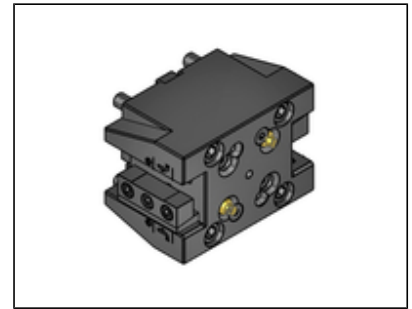
Max. coolant pressure = 1160 PSI (80 bar)



Item No.	Tool Clamping				
48-92038-HP	20				

Accessories
(not included)

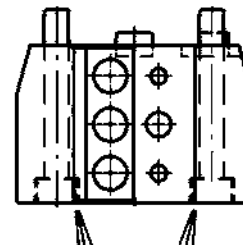
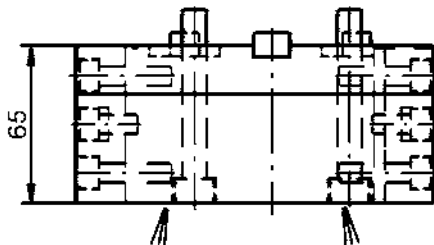
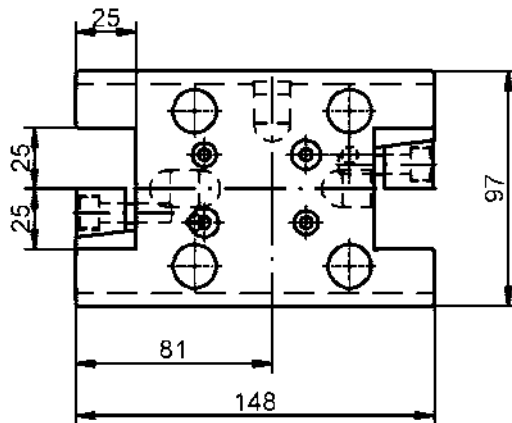
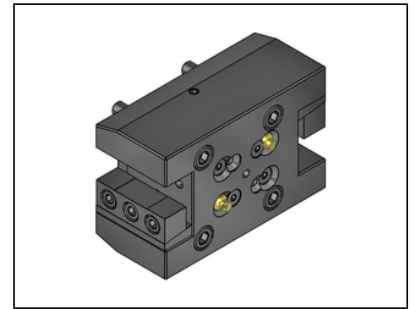
OD cutting holder, both sides
Max. coolant pressure = 1160 PSI (80 bar)



Item No.	Tool Clamping				
48-92039-HP	3/4"				

Accessories
(not included)

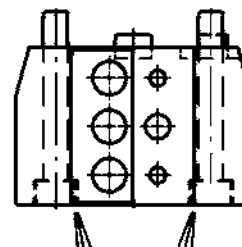
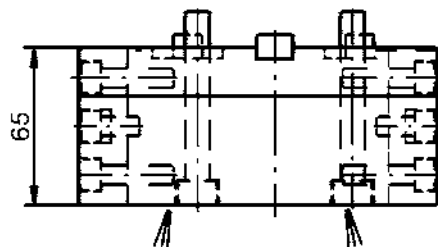
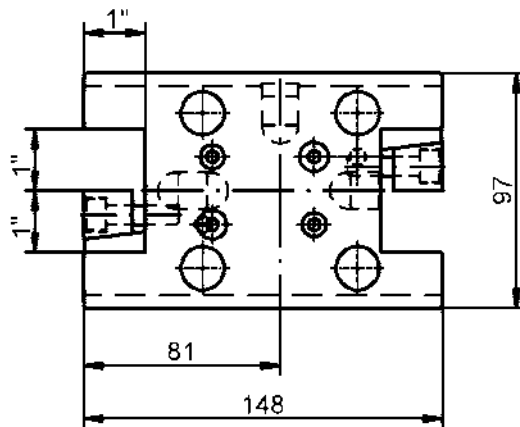
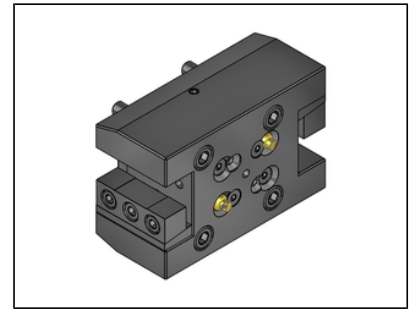
OD cutting holder, both sides



Item No.	Tool Clamping				
48-87099	25				

Accessories
(not included)

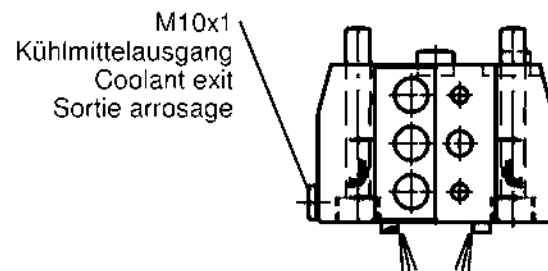
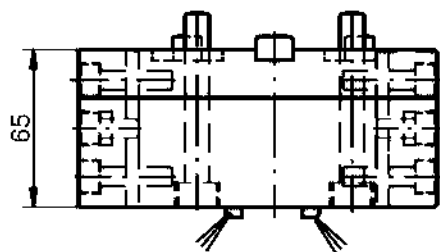
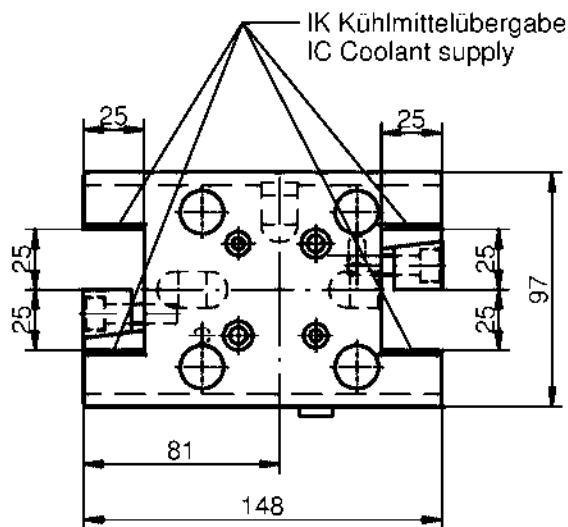
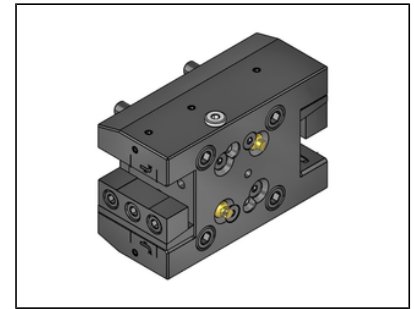
OD cutting holder, both sides



Item No.	Tool Clamping				
48-87100	1"				

Accessories
(not included)

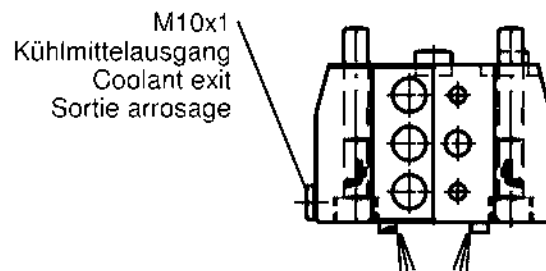
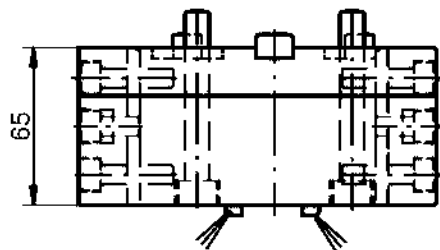
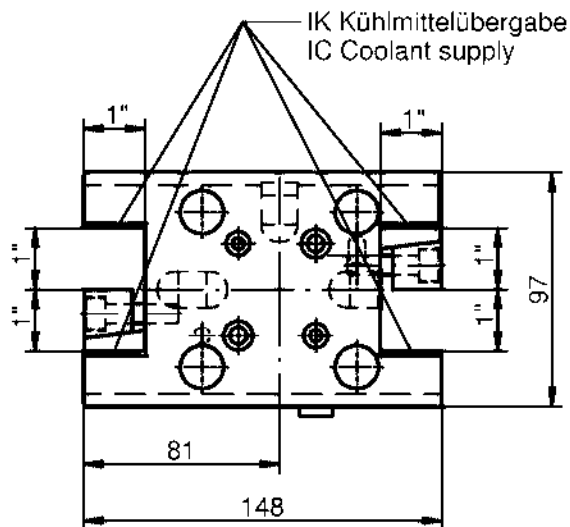
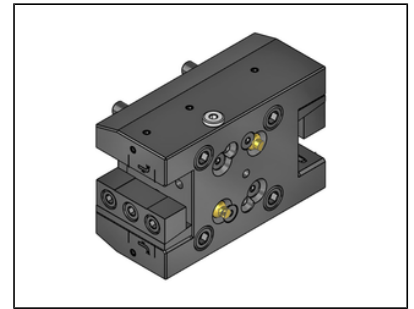
OD cutting holder, both sides
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)



Item No.	Tool Clamping				
48-87099-HP	25				

Accessories
(not included)

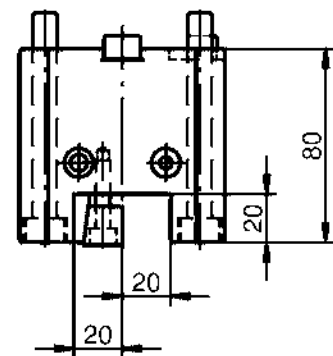
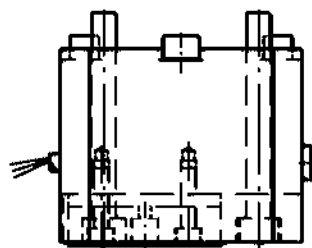
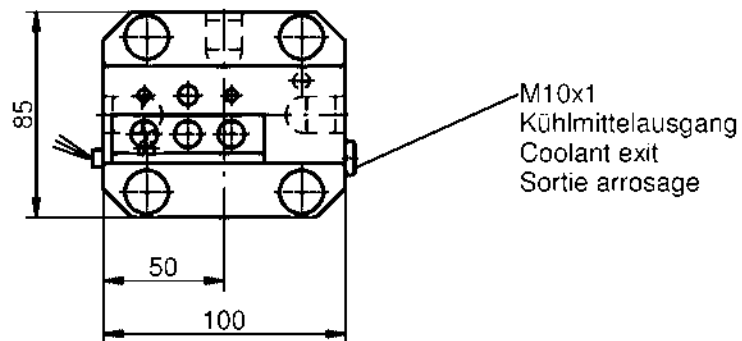
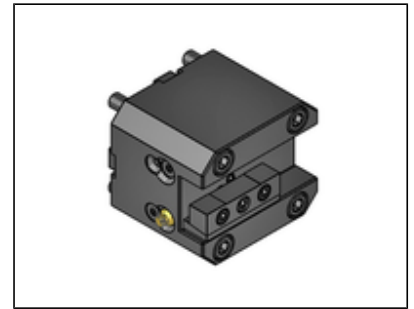
OD cutting holder, both sides
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)



Item No.	Tool Clamping				
48-87100-HP	1"				

Accessories
(not included)

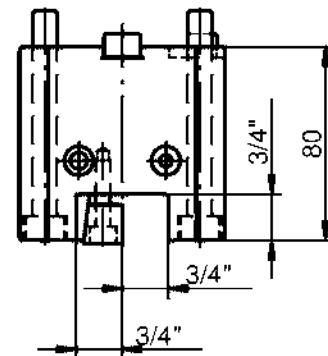
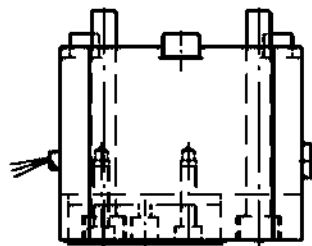
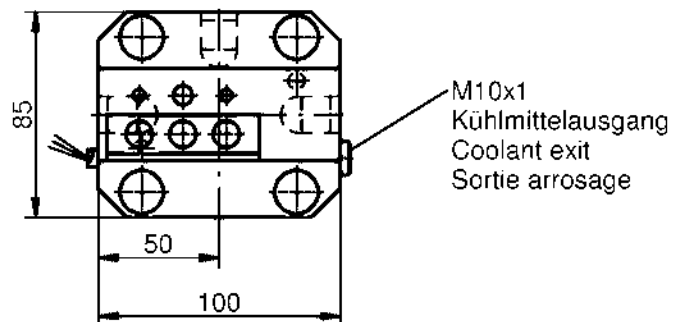
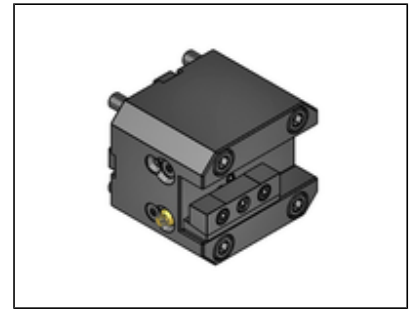
Face cutting holder
180° reversible



Item No.	Tool Clamping				
48-92045	20				

Accessories
(not included)

Face cutting holder
180° reversible



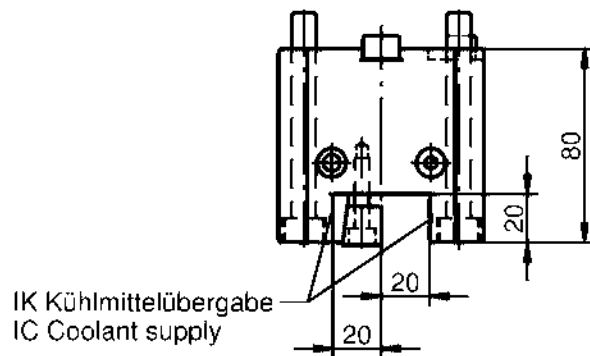
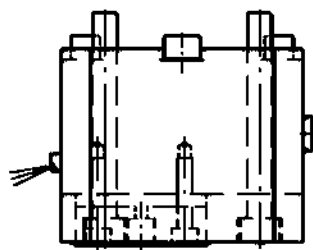
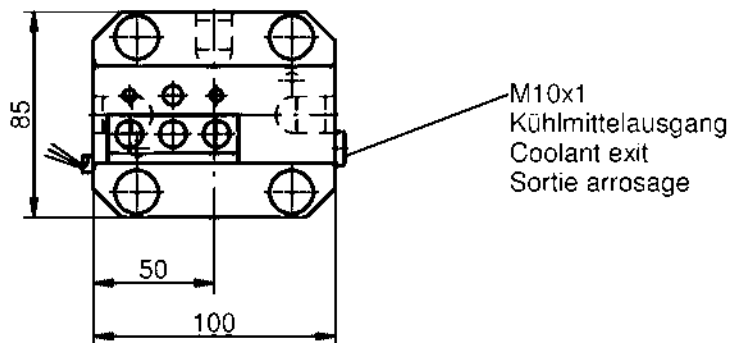
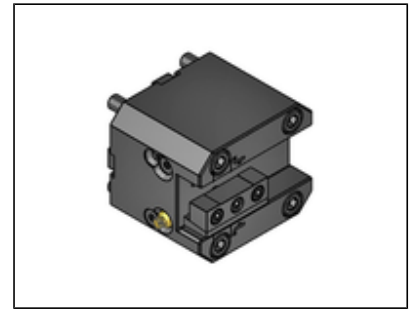
Item No.	Tool Clamping				
48-92046	3/4"				

Accessories
(not included)

SYIL L3 (BMT55)



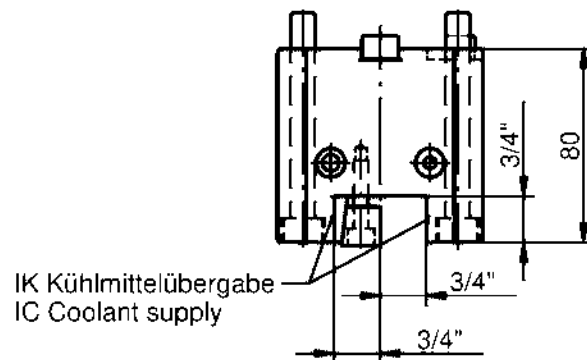
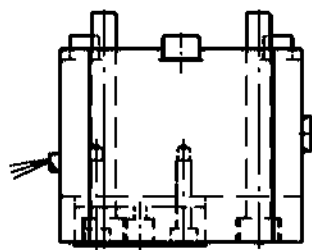
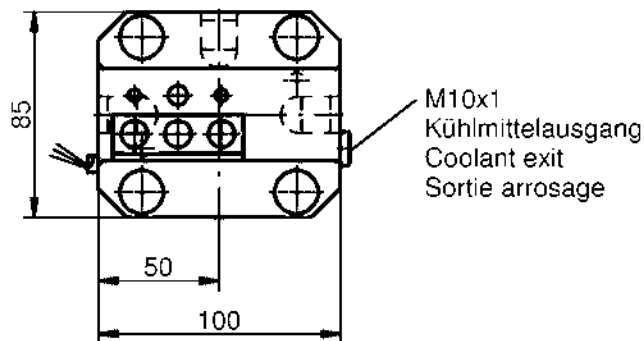
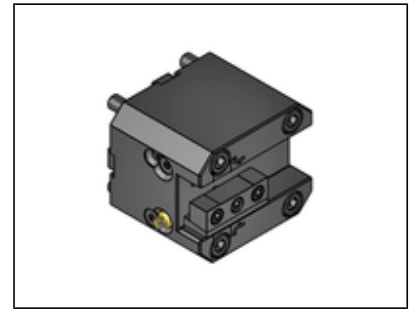
Face cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



Item No.	Tool Clamping				
48-92045-HP	20				

Accessories
(not included)

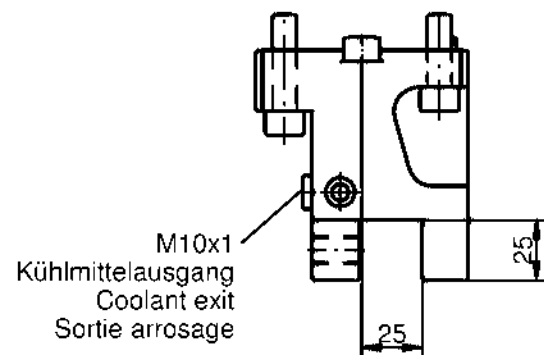
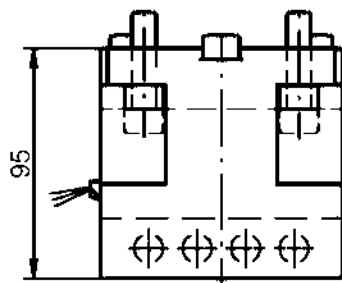
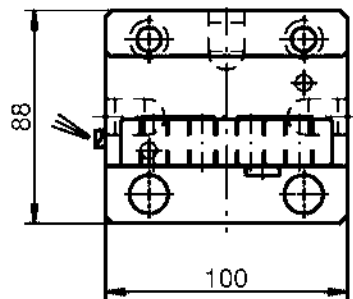
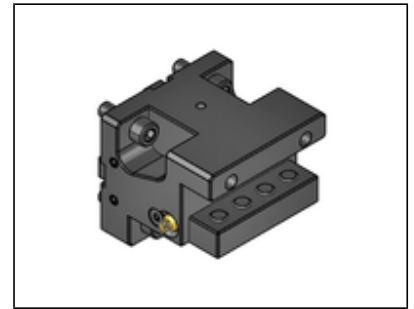
Face cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



Item No.	Tool Clamping				
48-92046-HP	3/4"				

Accessories
(not included)

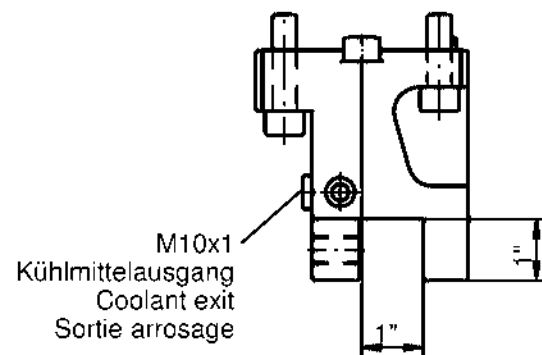
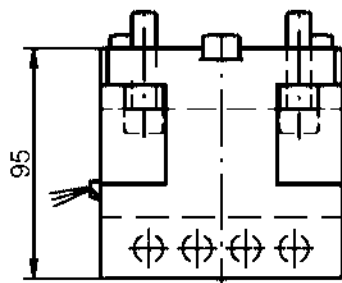
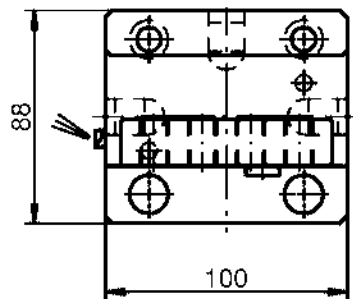
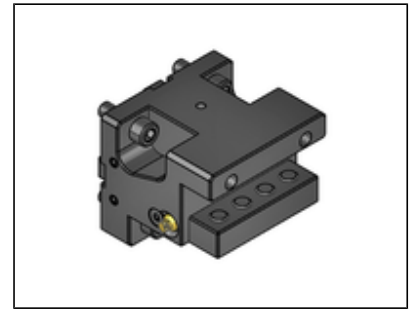
Face cutting holder
180° reversible



Item No.	Tool Clamping				
48-87101	25				

Accessories
(not included)

Face cutting holder
180° reversible



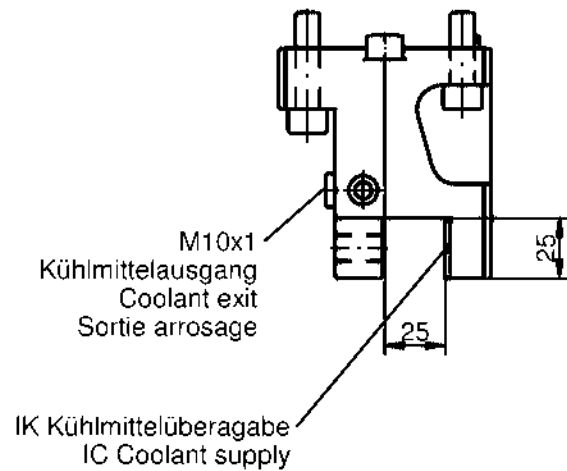
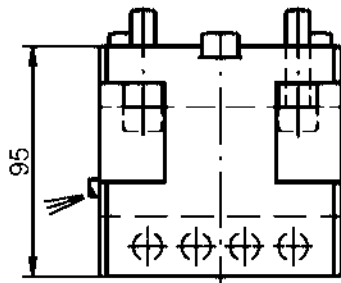
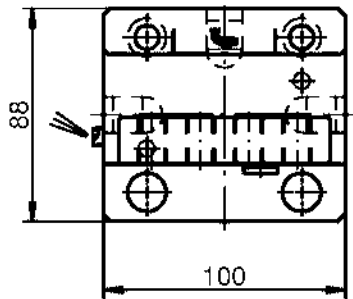
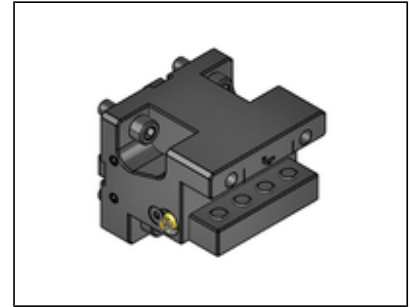
Item No.	Tool Clamping				
48-87102	1"				

Accessories
(not included)

SYIL L3 (BMT55)

WTO

Face cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



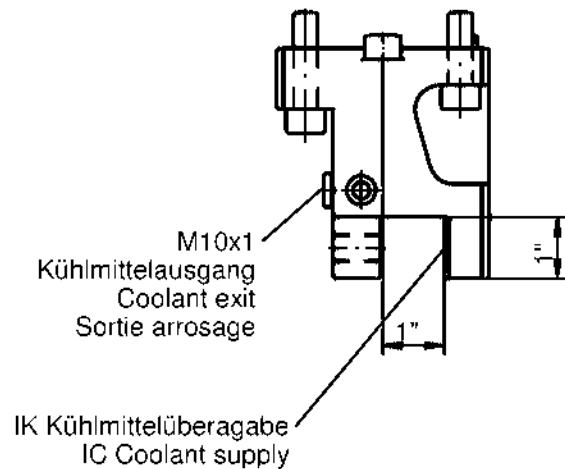
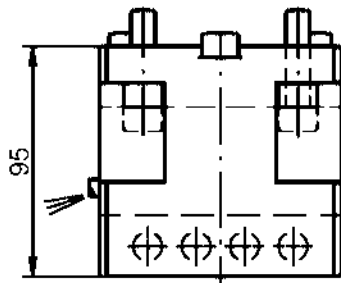
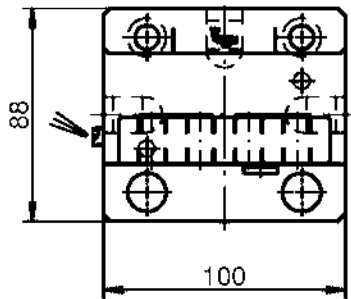
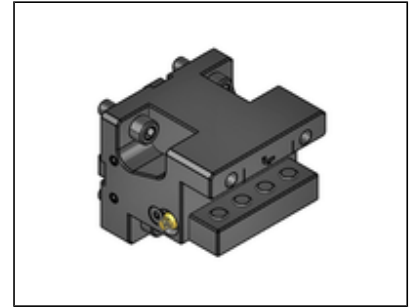
Item No.	Tool Clamping				
48-87101-HP	25				

Accessories
(not included)

SYIL L3 (BMT55)



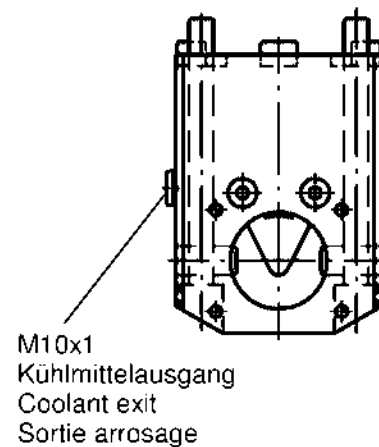
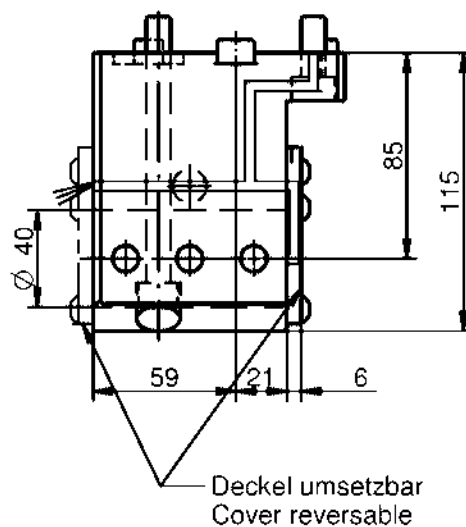
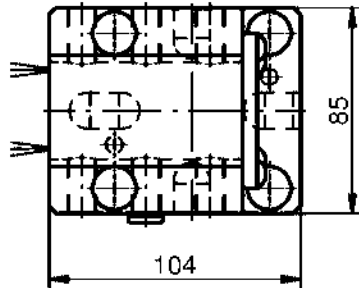
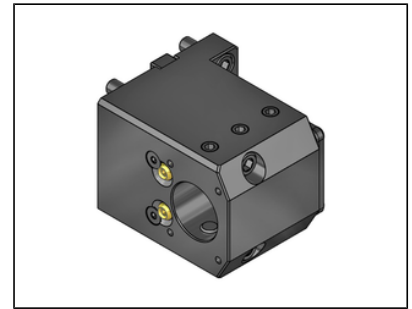
Face cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



Item No.	Tool Clamping				
48-87102-HP	1"				

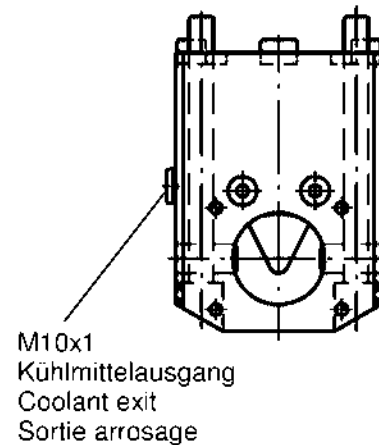
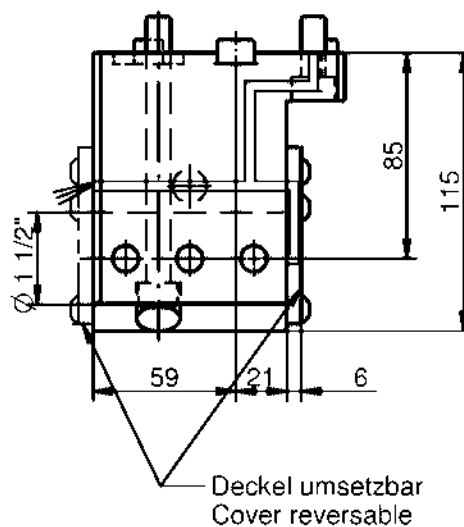
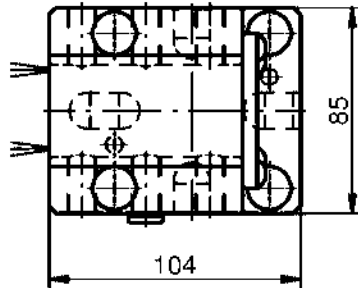
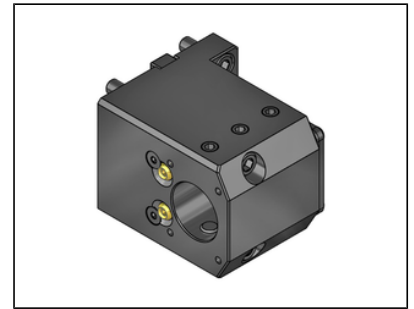
Accessories
(not included)

ID combination holder, universal
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



Item No.	Tool Clamping				
48-96790	Ø 40				
Accessories (not included)	 241140020 Collet chuck	 240040	 240540_		

ID combination holder, universal
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



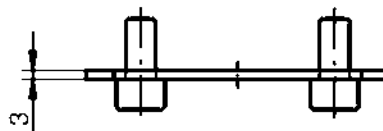
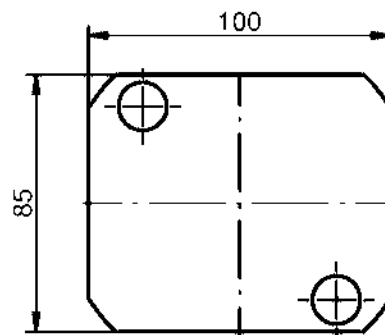
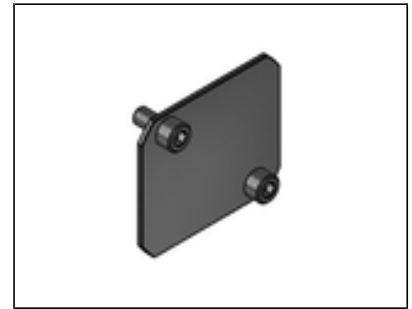
Item No.	Tool Clamping				
48-96791	Ø 1 1/2"				

Accessories
(not included)



240015

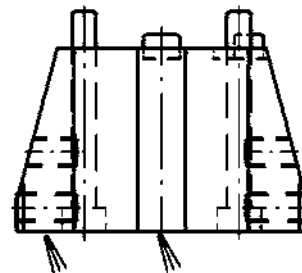
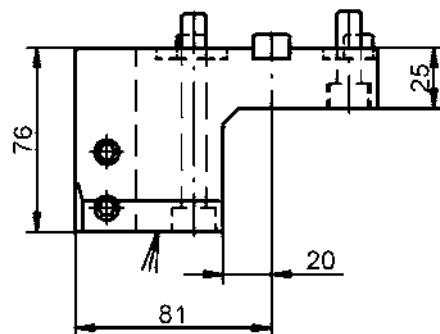
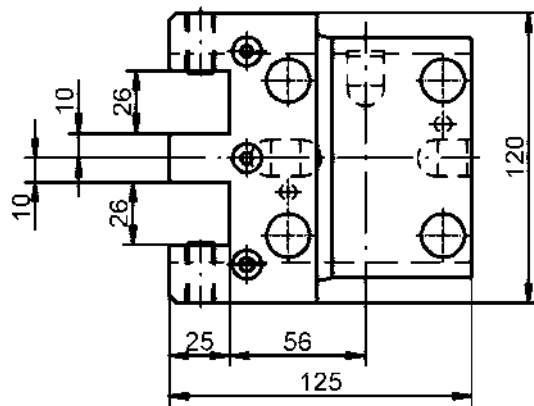
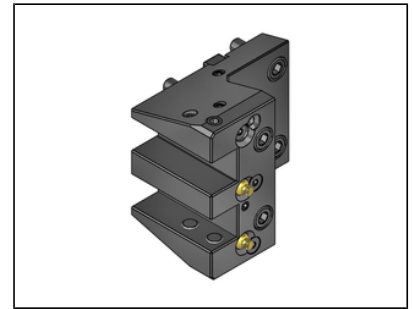
Cover plate



Item No.

48-87111Accessories
(not included)

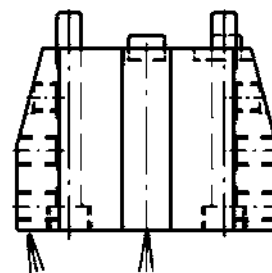
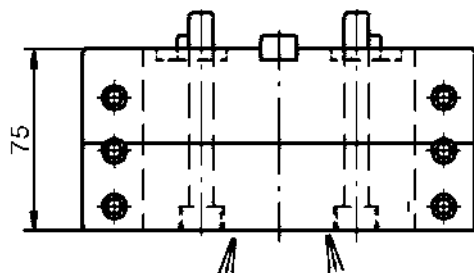
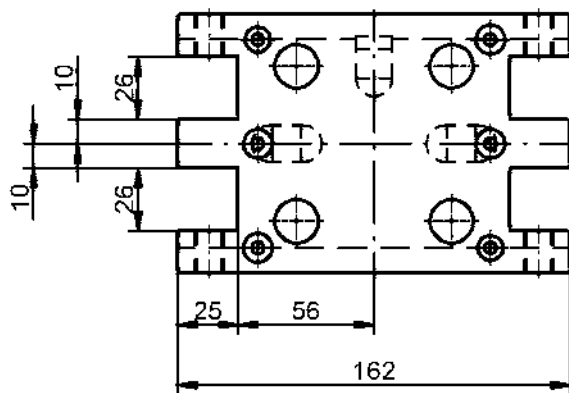
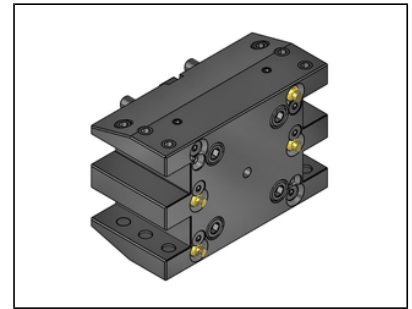
OD cutting holder, double, Y axis
spindle unit 180° reversible



Item No.	Tool Clamping				
48-87140	25(1")				

Accessories
(not included)

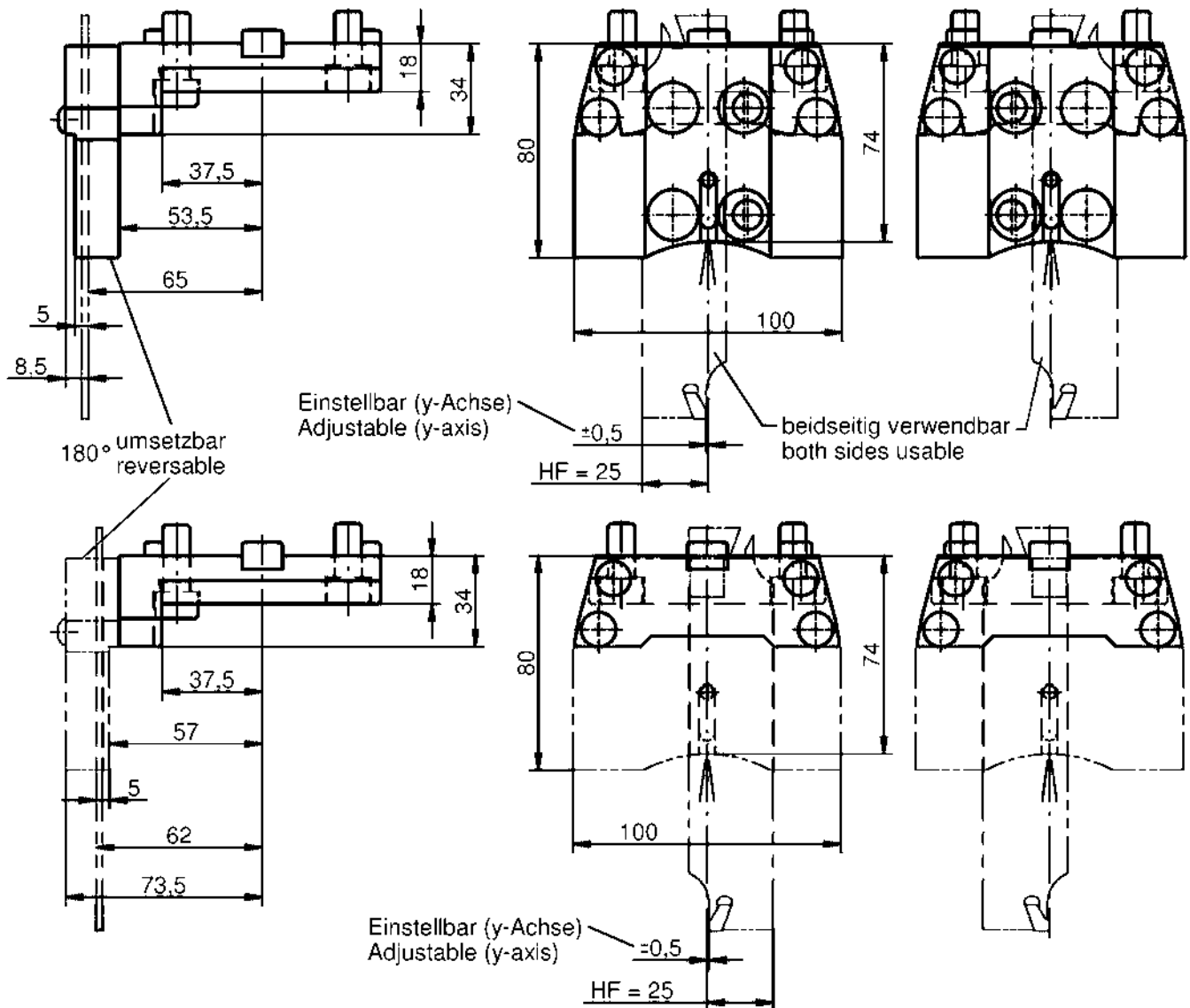
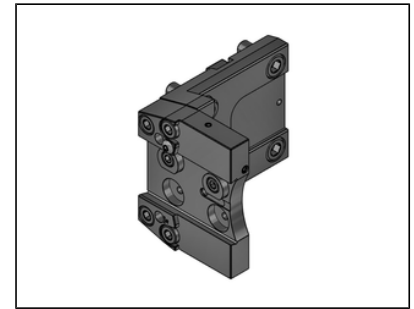
OD cutting holder, both sides, double, Y axis



Item No.	Tool Clamping				
48-87141	25(1")				

Accessories
(not included)

Cut-off holder, adjustable
External coolant supply
Parting blade both sides usable
180° reversible



Item No.	Tool Clamping				
48-103287	SH 32				

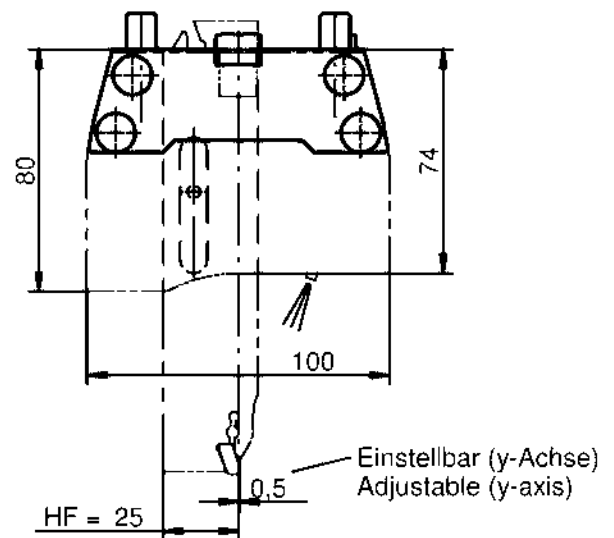
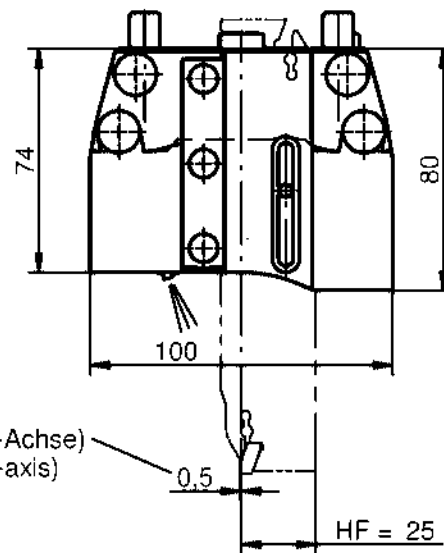
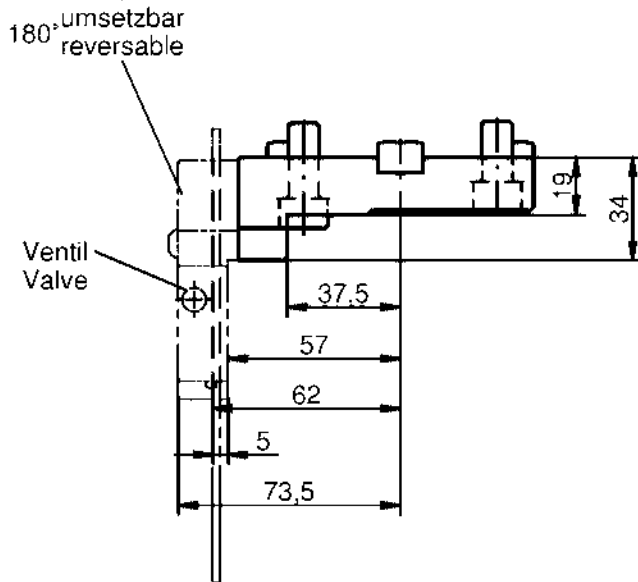
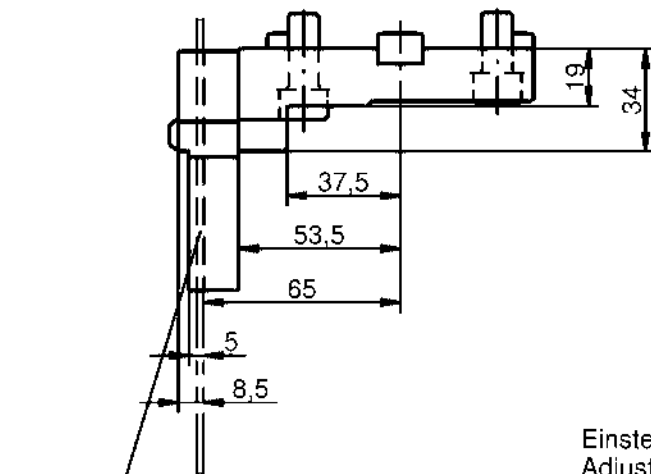
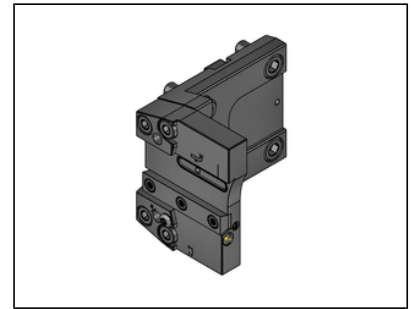
Accessories
(not included)

Cut-off holder, adjustable, right

Internal coolant supply for parting blade, External coolant supply with valve shiftable

Max. coolant pressure = 1160 PSI (80 bar)

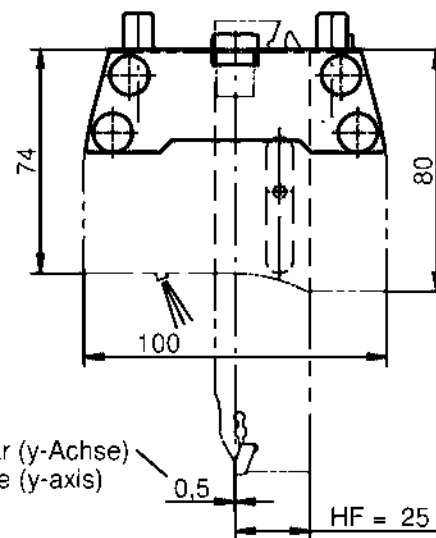
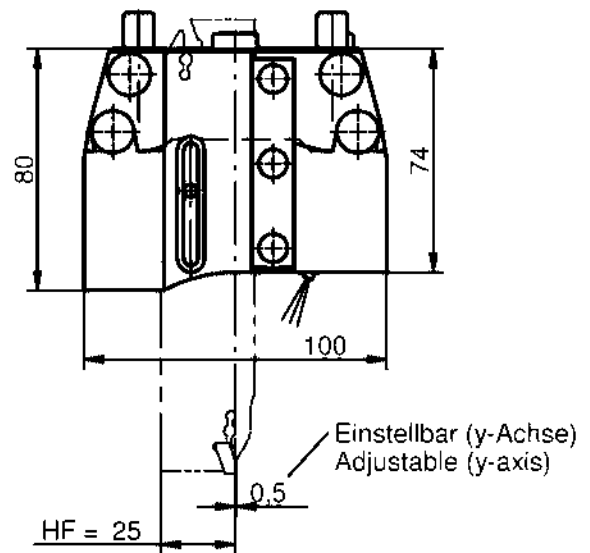
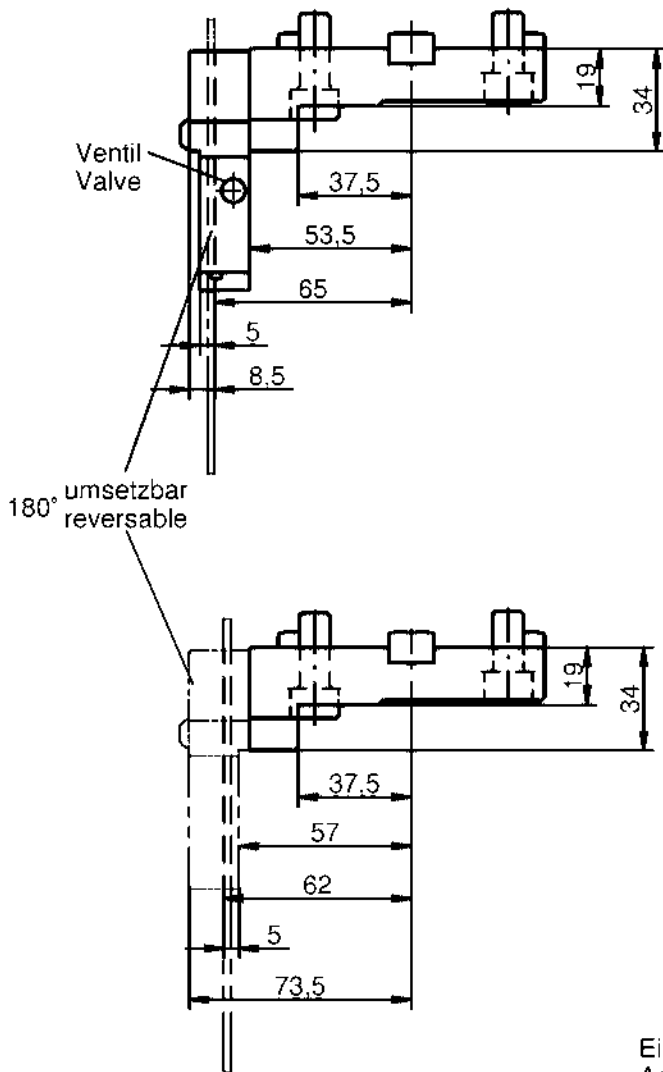
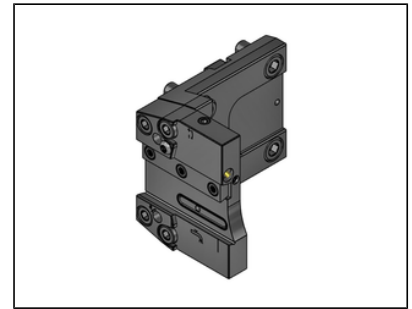
180° reversible



Item No.	Tool Clamping				
48-110160R	SH 32				

Accessories
(not included)

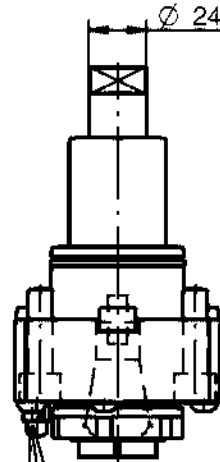
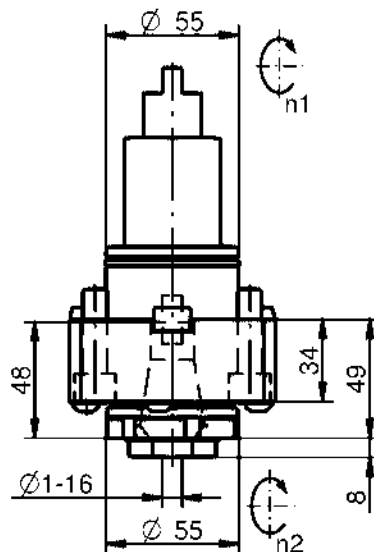
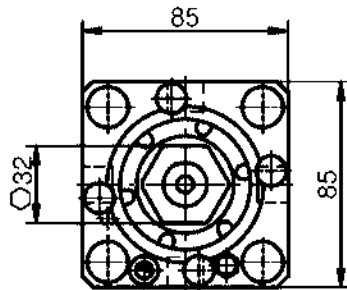
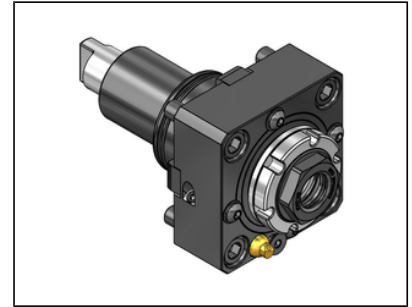
Cut-off holder, adjustable, left
Internal coolant supply for parting blade, External coolant supply with valve shiftable
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



Item No.	Tool Clamping				
48-110160L	SH 32				

Accessories
(not included)

Straight drill/milling unit - for ER collets DIN 6499B - QuickFlex®
External coolant supply



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
QF25-DNE-BT55A-049-E-A	ER-25 QF	1-16	50	6,000	1:1

Accessories
(not included)



0067725000
One-hand wrench set ER-25QF



190025xxx
Collets ER 25

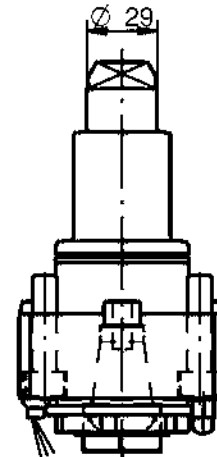
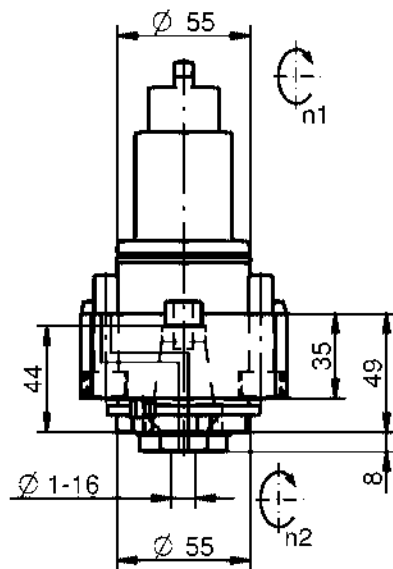
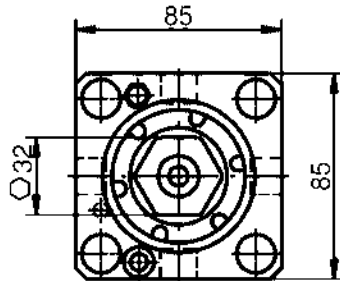
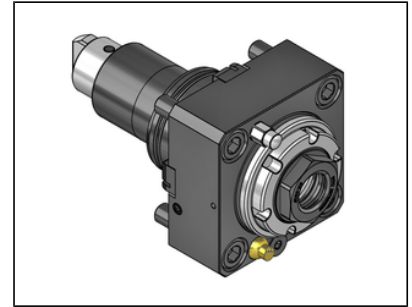


320025xxx
ER-25QF collet chuck adapter

SYIL L3 (BMT55)



Straight drill/milling unit - for ER collets DIN 6499B - QuickFlex®
 Internal + external coolant supply - Do not run without coolant! Only use filtered
 coolant fluid (max. particle size = 50 µm)
 Max. coolant pressure = 1160 PSI (80 bar)



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
420125016-55	ER-25 QF	1-16	50	6,000	1:1

Accessories
 (not included)



0067725000
 One-hand wrench set ER-
 25QF



191025xxx
 Collets ER 25
 sealed, for IC

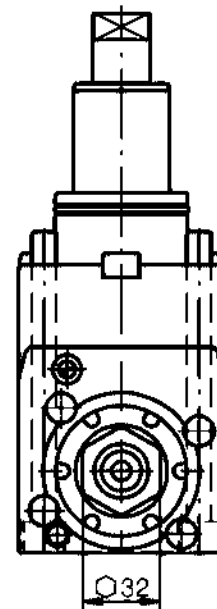
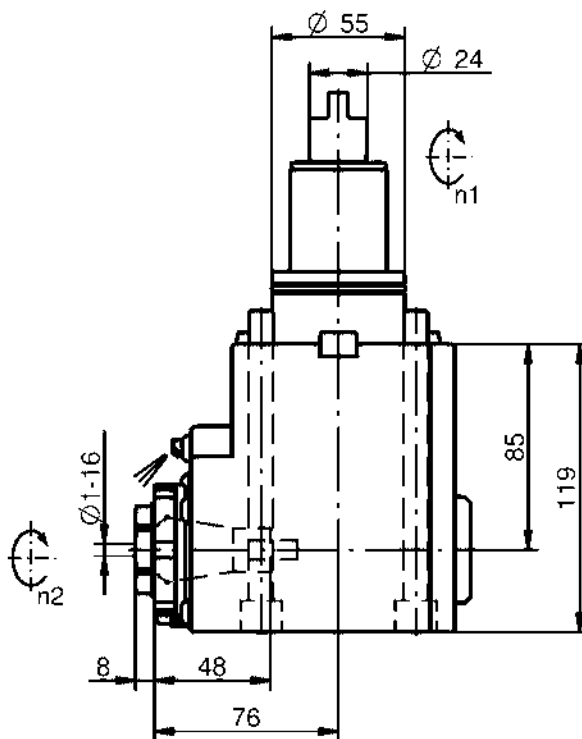
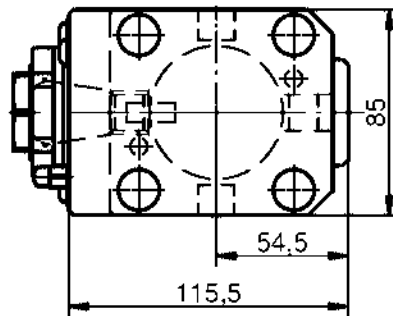
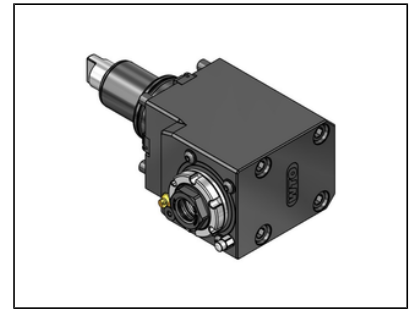


320025xxx
 ER-25QF collet chuck adapter

SYIL L3 (BMT55)

WTO

Right angle drill/milling unit - for ER collets DIN 6499B - QuickFlex®
 External coolant supply
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
QF25-DNI-BT55A-085-E-A	ER-25 QF	1-16	50	6,000	1:1

Accessories
 (not included)



0067725000
 One-hand wrench set ER-25QF

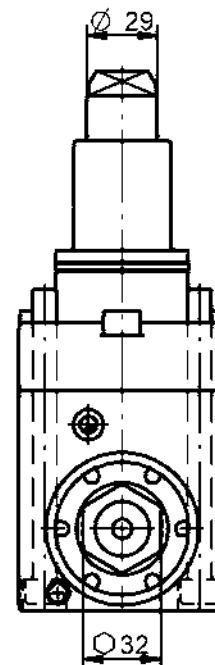
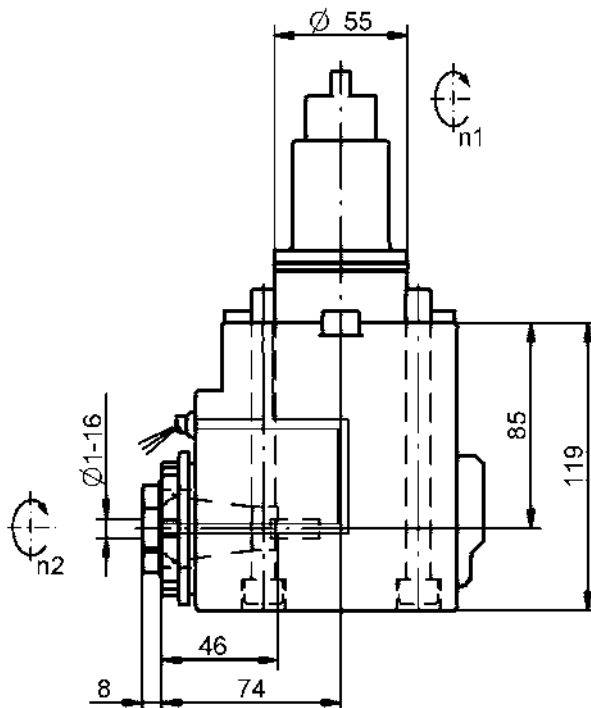
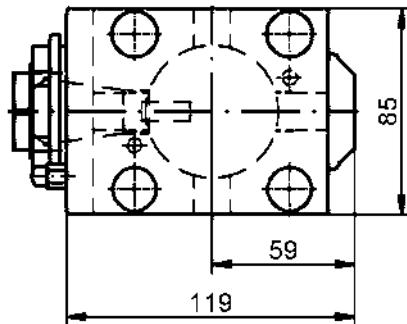
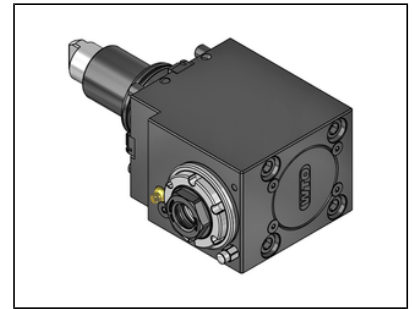


190025xxx
 Collets ER 25



320025xxx
 ER-25QF collet chuck adapter

Right angle drill/milling unit - for ER collets DIN 6499B - QuickFlex®
 Internal + external coolant supply - Do not run without coolant! Only use filtered
 coolant fluid (max. particle size = 50 µm)
 Max. coolant pressure = 1160 PSI (80 bar)
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
420525019-55	ER-25 QF	1-16	50	6,000	1:1

Accessories
(not included)



0067725000
One-hand wrench set ER-25QF

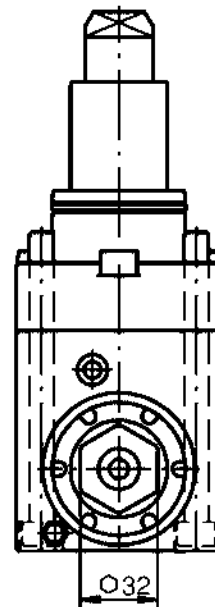
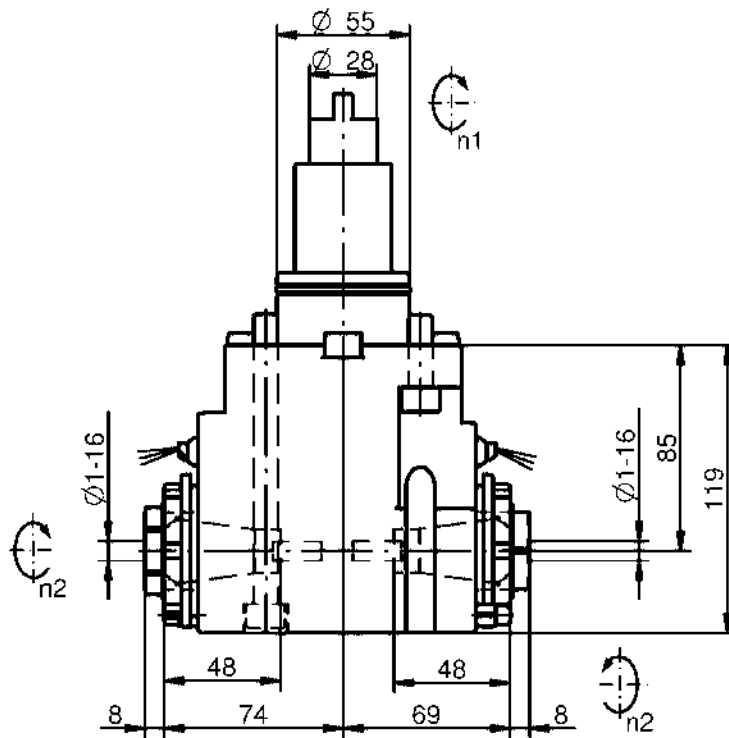
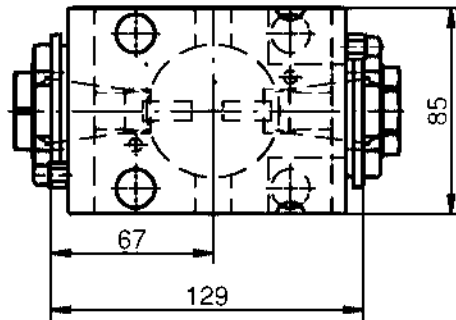
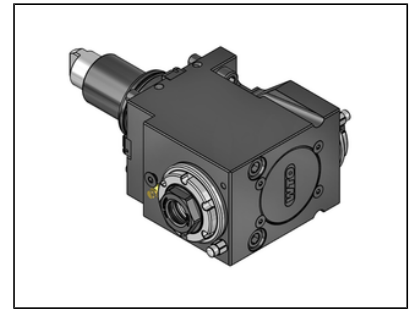


191025xxx
Collets ER 25 sealed, for IC



320025xxx
ER-25QF collet chuck adapter

Right angle drill/milling unit, both sides - for ER collets DIN 6499B - QuickFlex®
 External coolant supply
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
420525020-55	ER-25 QF	1-16	50	6,000	1:1

Accessories
 (not included)



0067725000
 One-hand wrench set ER-25QF



190025xxx
 Collets ER 25

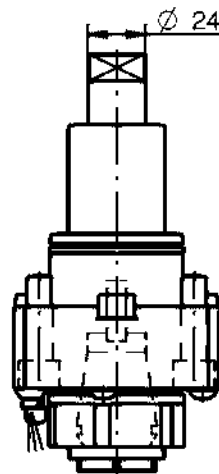
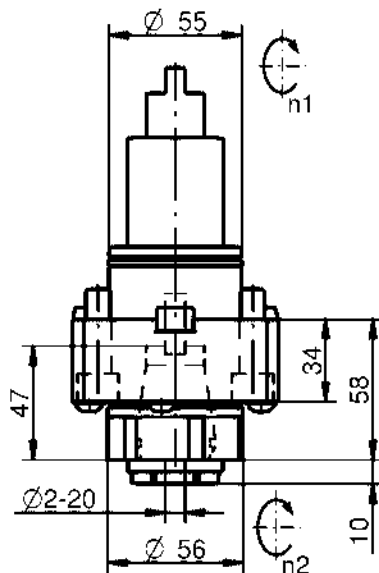
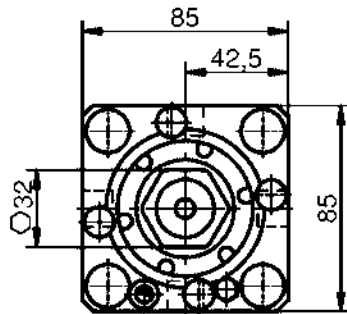
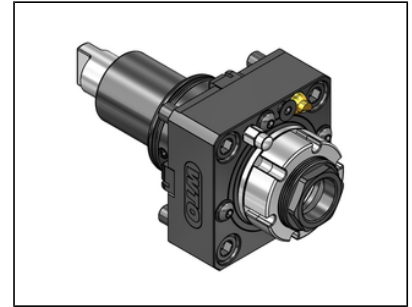


320025xxx
 ER-25QF collet chuck adapter

SYIL L3 (BMT55)

WTO

Straight drill/milling unit - for ER collets DIN 6499B
External coolant supply



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
ER32-DNE-BT55A-058-E-A	ER 32	2-20	50	6,000	1:1

Accessories
(not included)



0067725000
One-hand wrench set ER-25QF



190032xxx
Collets ER 32

SYIL L3 (BMT55)

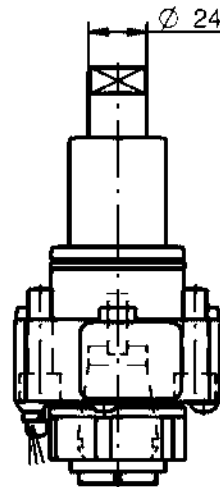
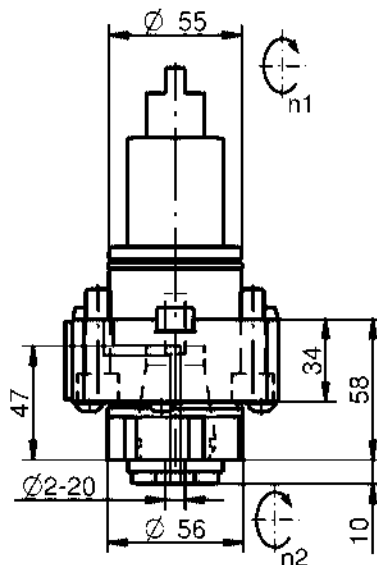
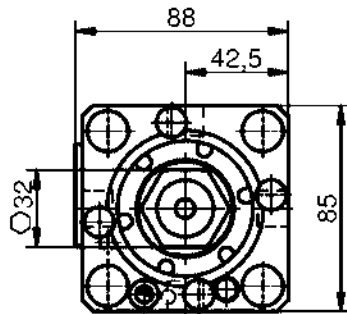
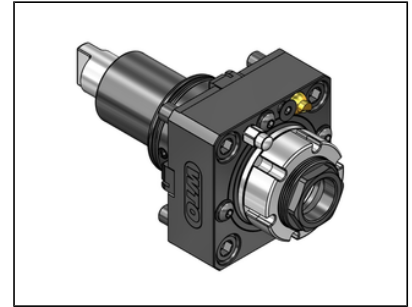


Straight drill/milling unit - for ER collets DIN 6499B

Internal + external coolant supply - Only use filtered coolant fluid

(max. particle size = 50 µm)

Max. coolant pressure = 1450 PSI (100 bar) - Possible to operate without coolant



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
ER32-DNE-BT55A-058-I-A	ER 32	2-20	50	6,000	1:1

Accessories
(not included)



0067725000
One-hand wrench set ER-25QF

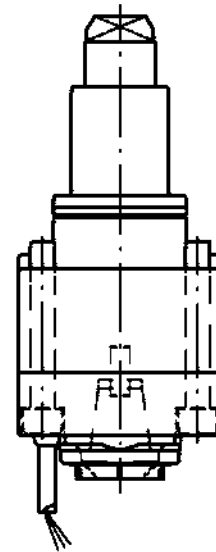
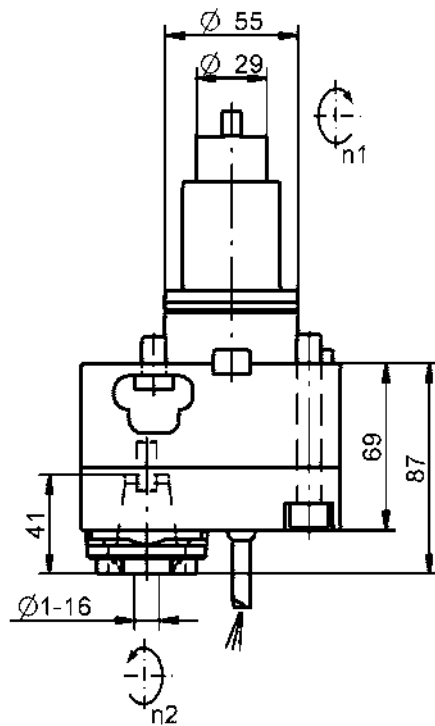
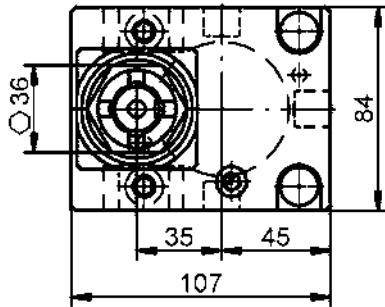
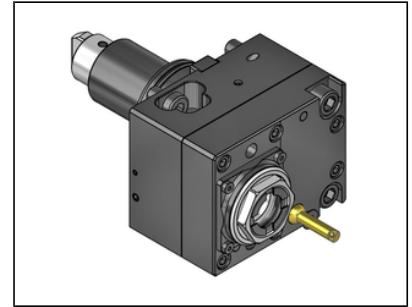


191032xxx
Collets ER 32
sealed, for IC

SYIL L3 (BMT55)

WTO

Straight offset drill/milling unit - for ER collets DIN 6499B
 External coolant supply
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
410116029-55	ER 25	1-16	40	6,000	1:1

Accessories
 (not included)



00675000932
 Wrench set

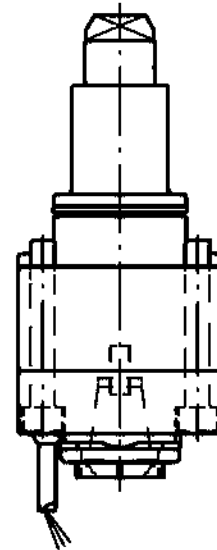
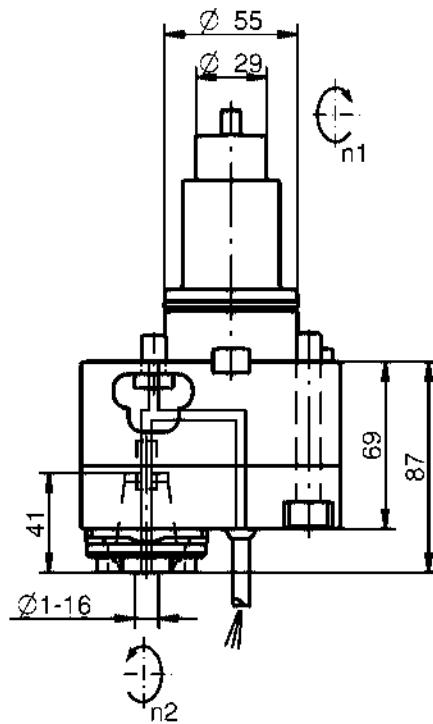
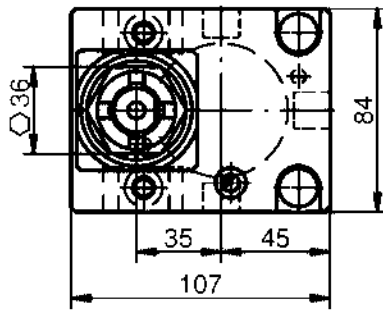
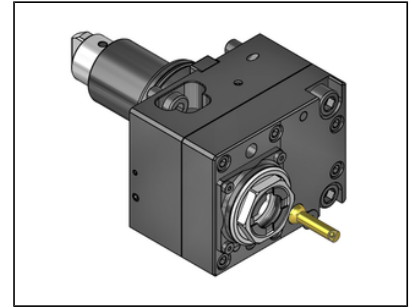


190025xxx
 Collets ER 25

SYIL L3 (BMT55)

WTO

Straight offset drill/milling unit - for ER collets DIN 6499B
 Internal + external coolant supply - Do not run without coolant! Only use filtered coolant fluid (max. particle size = 50 µm)
 Max. coolant pressure = 1160 PSI (80 bar)
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
410116030-55	ER 25	1-16	40	6,000	1:1

Accessories
 (not included)



00675000932
 Wrench set

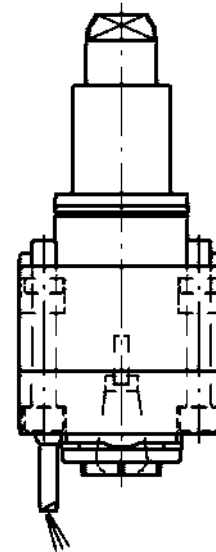
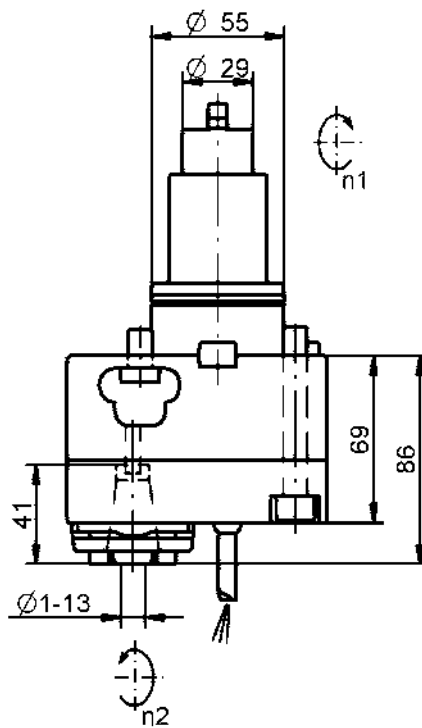
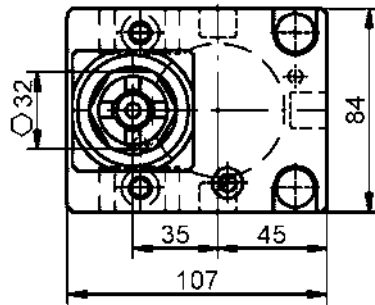
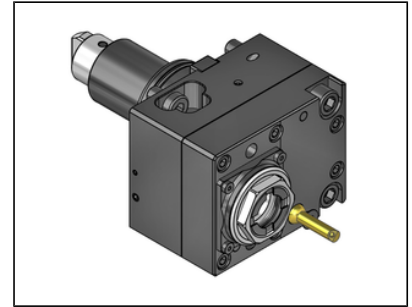


191025xxx
 Collets ER 25
 sealed, for IC

SYIL L3 (BMT55)

WTO

Straight offset drill/milling unit - for ER collets DIN 6499B
 External coolant supply
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
410113009-55	ER 20	1-13	20	12,000	1:2

Accessories
 (not included)



00675000939
 Wrench set



190020xxx
 Collets ER 20

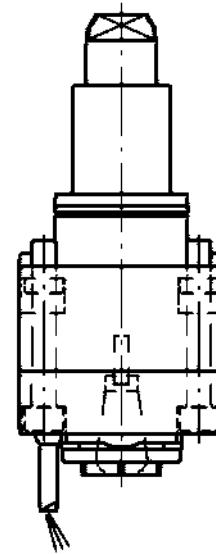
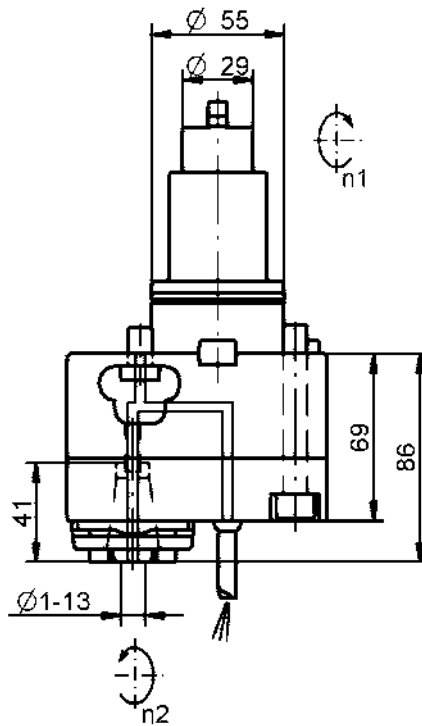
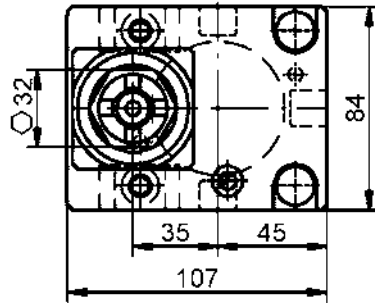
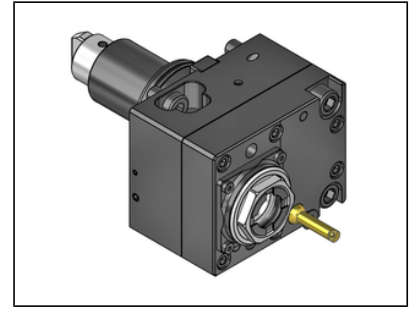


191120xxx_in
 Collets ER 20-DM metallic
 sealed, for IC

SYIL L3 (BMT55)

WTO

Straight offset drill/milling unit - for ER collets DIN 6499B
 Internal + external coolant supply - Do not run without coolant! Only use filtered coolant fluid (max. particle size = 50 µm)
 Max. coolant pressure = 1160 PSI (80 bar)
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
410113010-55	ER 20	1-13	20	12,000	1:2

Accessories
(not included)



00675000939
Wrench set

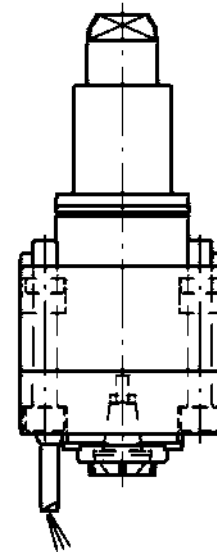
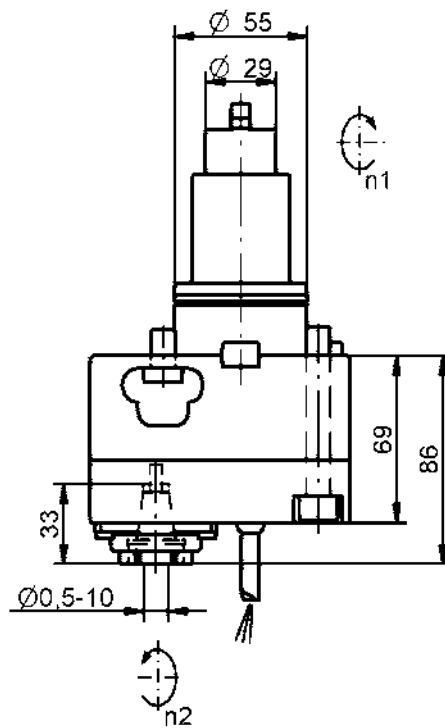
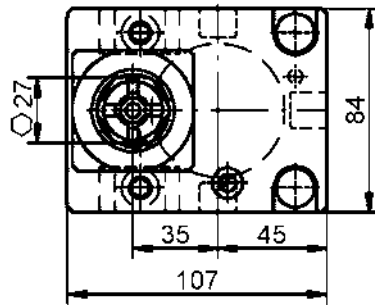
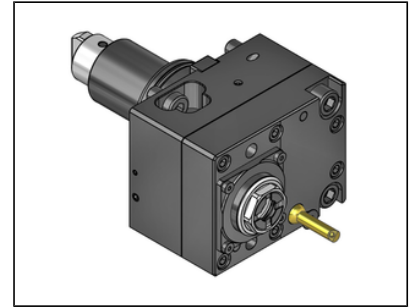


191020xxx
Collets ER 20
sealed, for IC

SYIL L3 (BMT55)

WTO

Straight offset drill/milling unit - for ER collets DIN 6499B
External coolant supply
180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
410410004-55	ER 16	0.5-10	5	18,000	1:3

Accessories
(not included)



00675000937
Wrench set



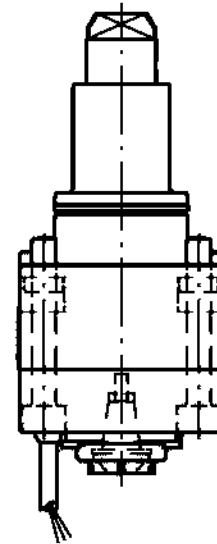
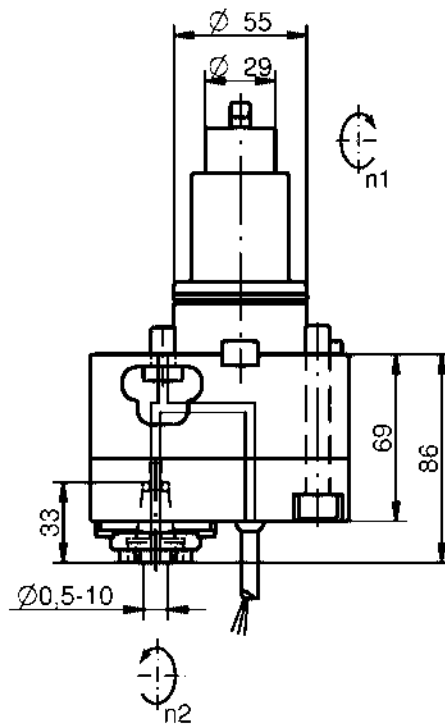
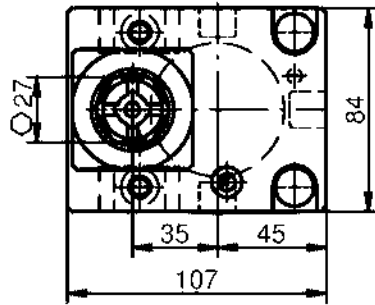
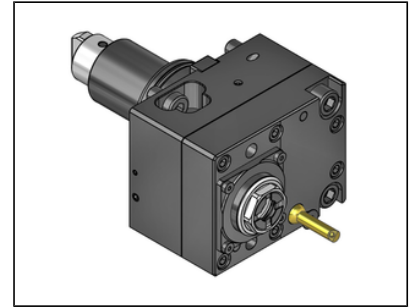
190016xxx
Collets ER 16

Straight offset drill/milling unit - for ER collets DIN 6499B

Internal + external coolant supply - Do not run without coolant! Only use filtered coolant fluid (max. particle size = 50 µm)

Max. coolant pressure = 1160 PSI (80 bar)

180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
410410005-55	ER 16	0.5-10	5	18,000	1:3

Accessories
(not included)



00675000937
Wrench set

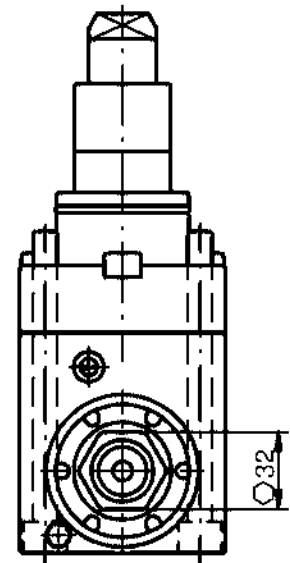
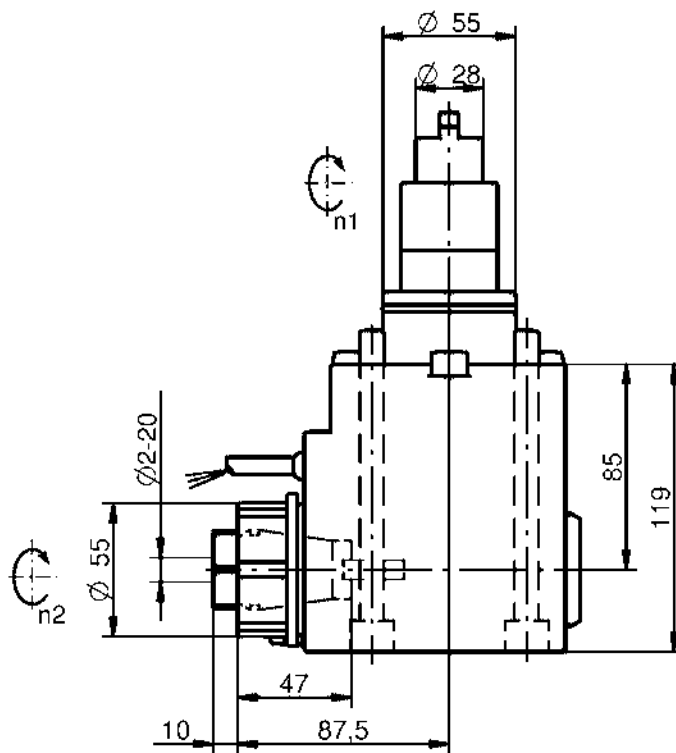
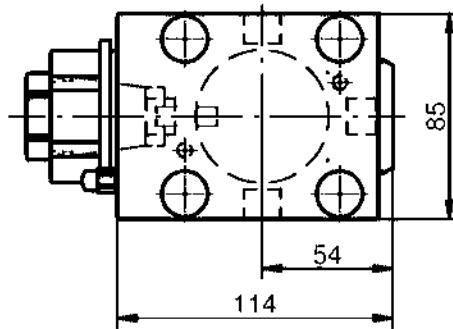
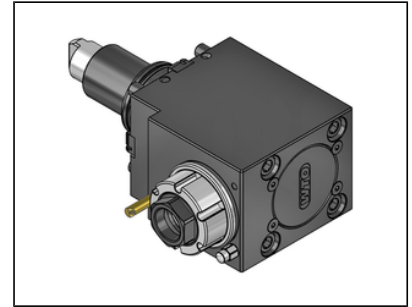


191016xxx
Collets ER 16 sealed, for IC

SYIL L3 (BMT55)

WTO

Right angle drill/milling unit - for ER collets DIN 6499B
External coolant supply
180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
410520030-55	ER 32	2-20	50	6,000	1:1

Accessories
(not included)



0067725000
One-hand wrench set ER-25QF



190032xxx
Collets ER 32

SYIL L3 (BMT55)



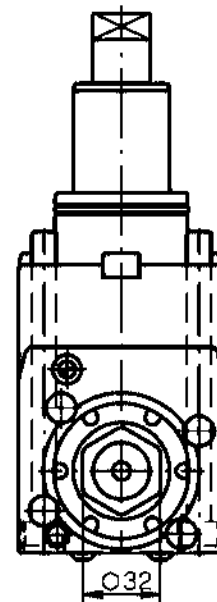
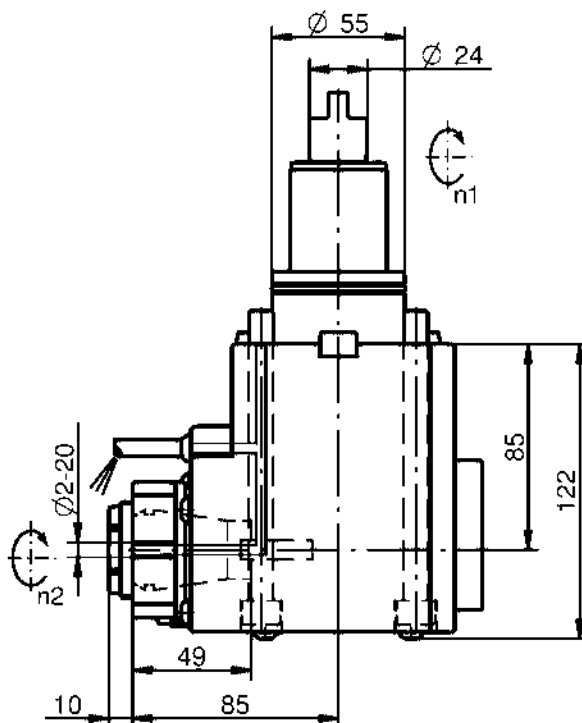
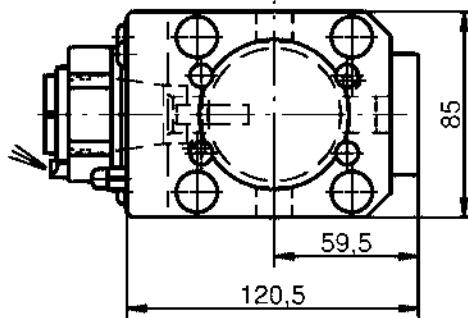
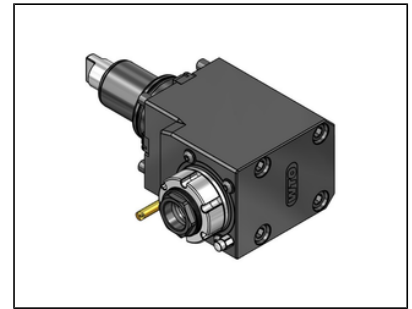
Right angle drill/milling unit - for ER collets DIN 6499B

Internal + external coolant supply - Only use filtered coolant fluid

(max. particle size = 50 µm)

Max. coolant pressure = 1450 PSI (100 bar) - Possible to operate without coolant

180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
ER32-DNI-BT55A-085-I-A	ER 32	2-20	50	6,000	1:1

Accessories
(not included)

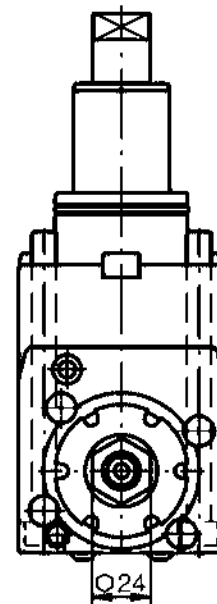
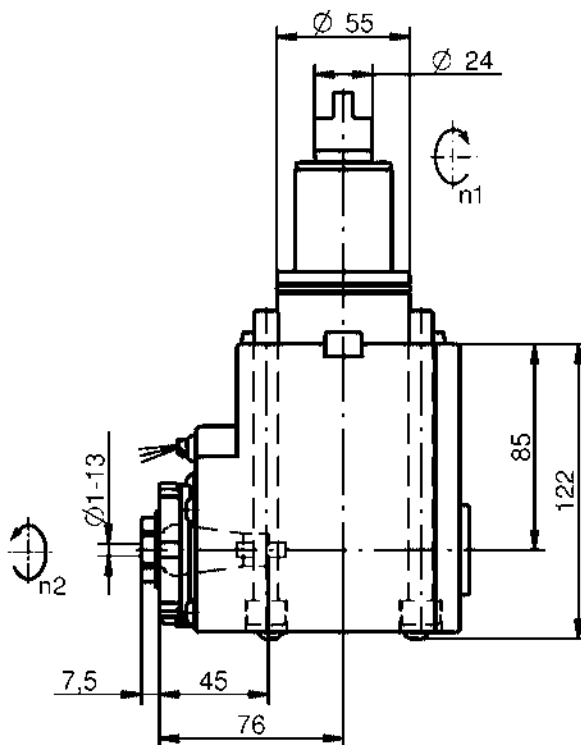
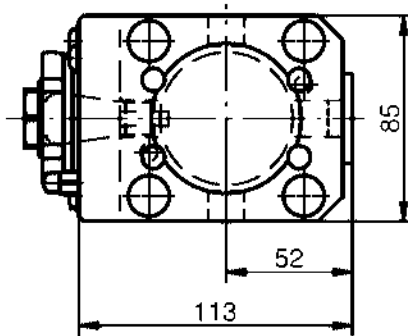
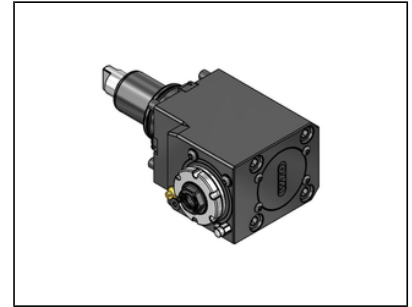


0067725000
One-hand wrench set ER-25QF



191032xxx
Collets ER 32
sealed, for IC

Right angle drill/milling unit - for ER collets DIN 6499B - QuickFlex®
External coolant supply



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
QF20-DNI-BT55A-085-E-S-A	ER-20 QF	1-13	20	12,000	1:2

Accessories
(not included)



0067720001
One-hand wrench set ER-20QF

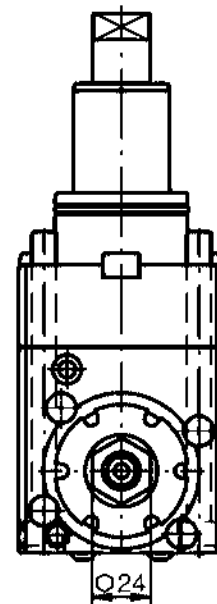
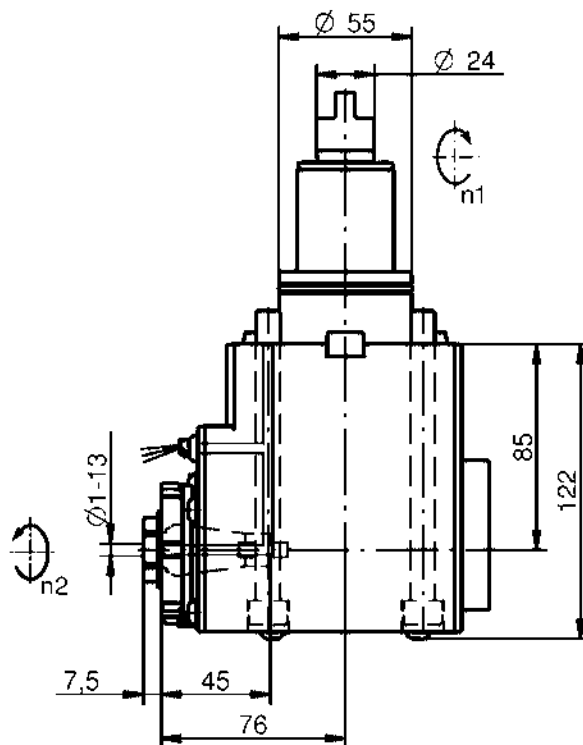
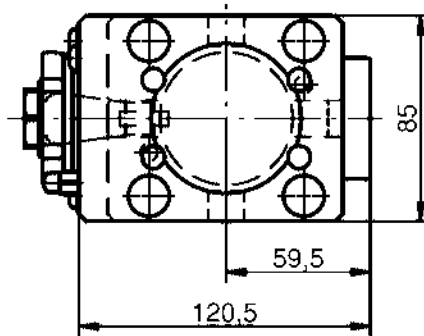
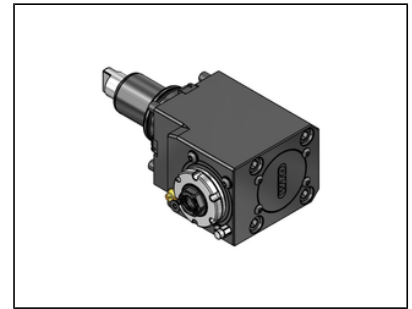


190020xxx
Collets ER 20



320020xxx
ER-20QF collet chuck adapter

Right angle drill/milling unit - for ER collets DIN 6499B - QuickFlex®
 Internal + external coolant supply - Do not run without coolant! Only use filtered coolant fluid (max. particle size = 50 µm)
 Max. coolant pressure = 1450 PSI (100 bar) - Possible to operate without coolant



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
QF20-DNI-BT55A-085-I-S-A	ER-20 QF	1-13	20	12,000	1:2

Accessories
(not included)



0067720001
One-hand wrench set ER-20QF



191020xxx
Collets ER 20 sealed, for IC

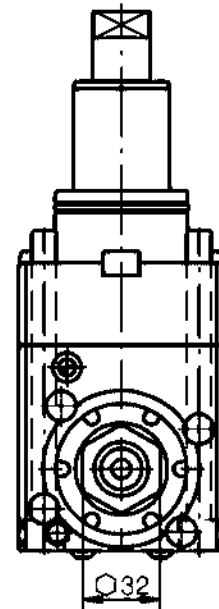
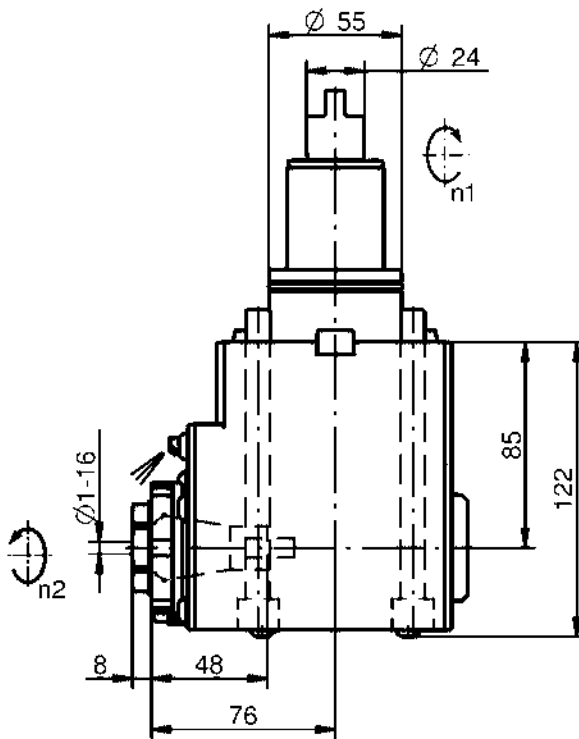
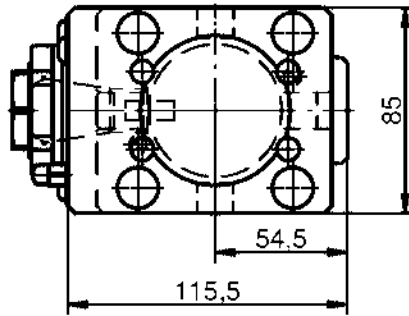
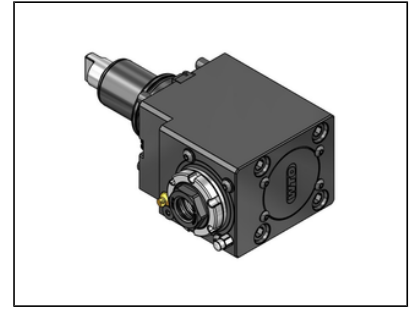


320020xxx
ER-20QF collet chuck adapter

SYIL L3 (BMT55)

WTO

Right angle drill/milling unit - for ER collets DIN 6499B - QuickFlex®
 External coolant supply
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
QF25-DNI-BT55A-085-E-T-A	ER-25 QF	1-16	80	3,000	2:1

Accessories
 (not included)



0067725000
 One-hand wrench set ER-25QF

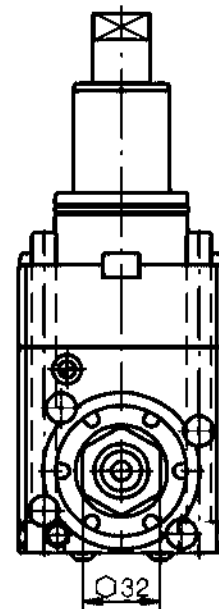
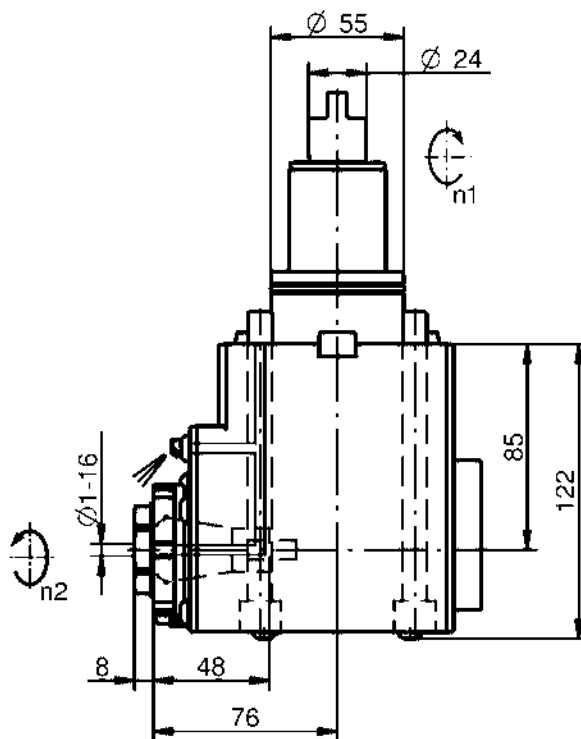
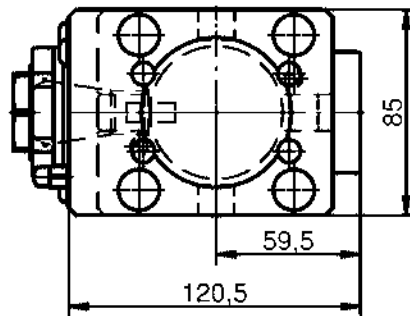
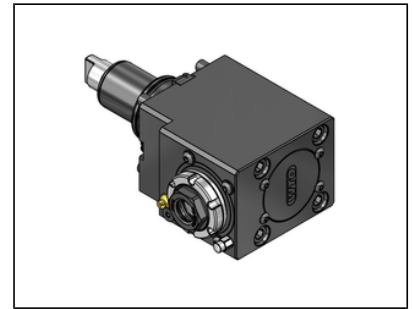


190025xxx
 Collets ER 25



320025xxx
 ER-25QF collet chuck adapter

Right angle drill/milling unit - for ER collets DIN 6499B - QuickFlex®
 Internal + external coolant supply - Only use filtered coolant fluid
 (max. particle size = 50 µm)
 Max. coolant pressure = 1450 PSI (100 bar) - Possible to operate without coolant
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
QF25-DNI-BT55A-085-I-T-A	ER-25 QF	1-16	80	3,000	2:1

Accessories
(not included)



0067725000
One-hand wrench set ER-25QF



191025xxx
Collets ER 25 sealed, for IC

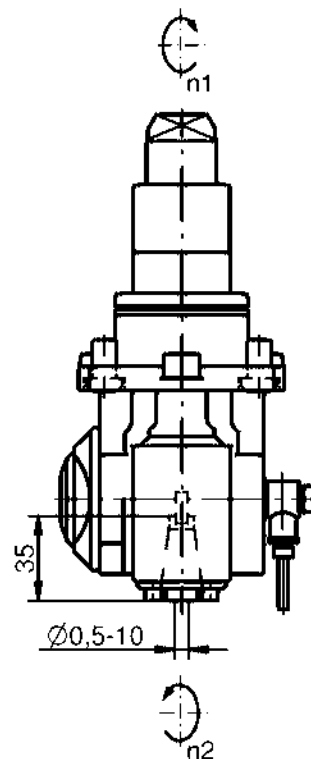
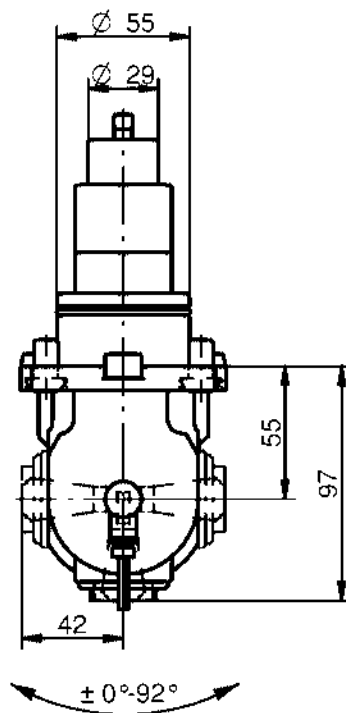
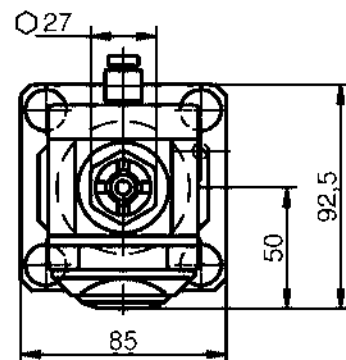
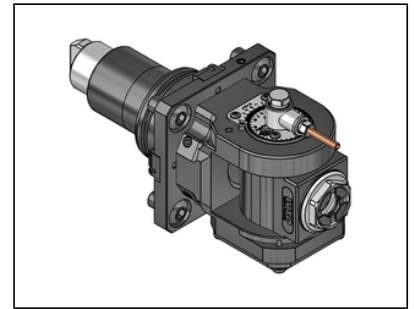


320025xxx
ER-25QF collet chuck adapter

SYIL L3 (BMT55)



Adjustable angle drill/milling unit - for ER collets
External coolant supply



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
411010005-55	ER 16	0.5-10	16	6,000	1:1

Accessories
(not included)



00675000902
Wrench set

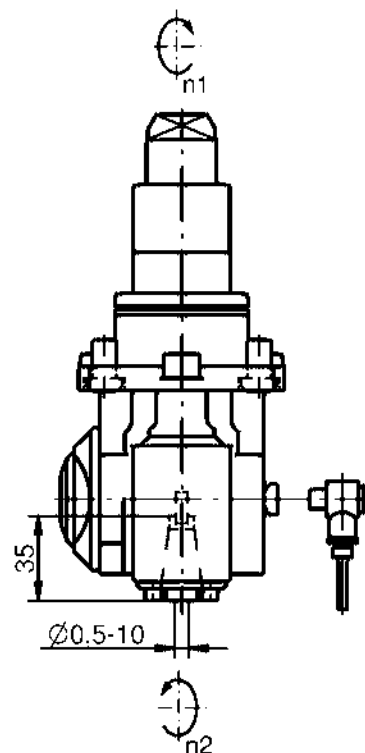
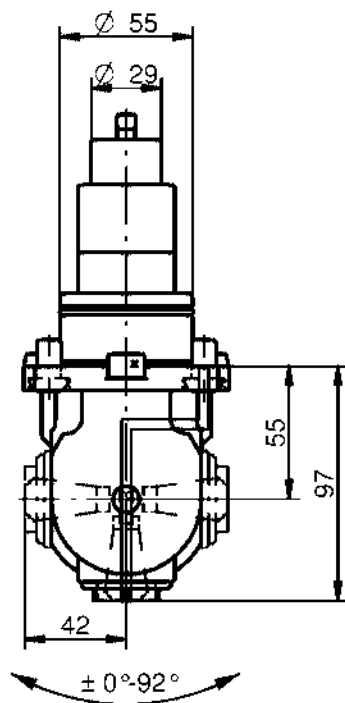
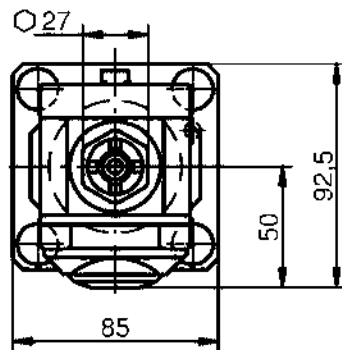
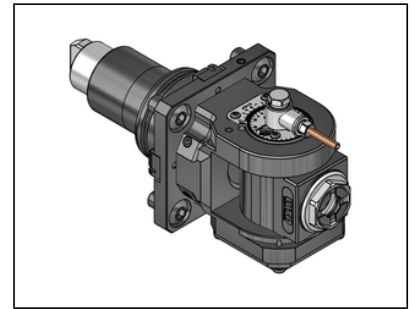


190016xxx
Collets ER 16

Adjustable angle drill/milling unit - for ER collets

Internal + external coolant supply - Do not run without coolant! Only use filtered coolant fluid (max. particle size = 50 µm)

Max. coolant pressure = 1160 PSI (80 bar)



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
411010006-55	ER 16	0.5-10	16	6,000	1:1

Accessories
(not included)

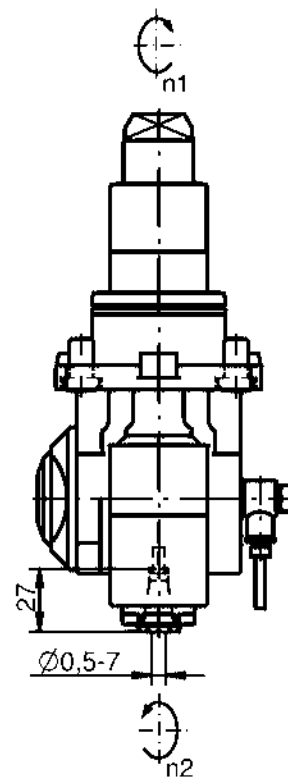
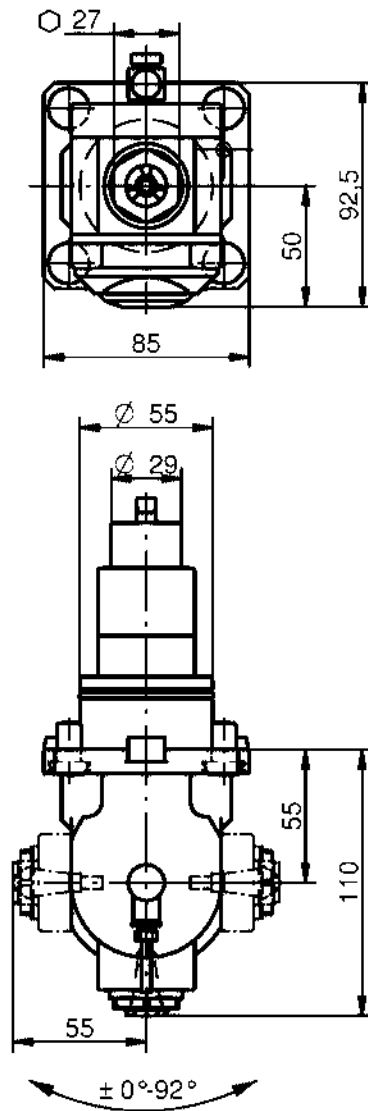
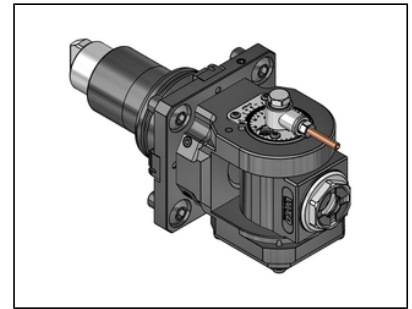


00675000902
Wrench set



191016xxx
Collets ER 16 sealed, for IC

Adjustable angle drill/milling unit - for ER collets
External coolant supply



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
411007007-55	ER 11	0,5-7	5	12,000	1:2

Accessories
(not included)



00675000914
Wrench set



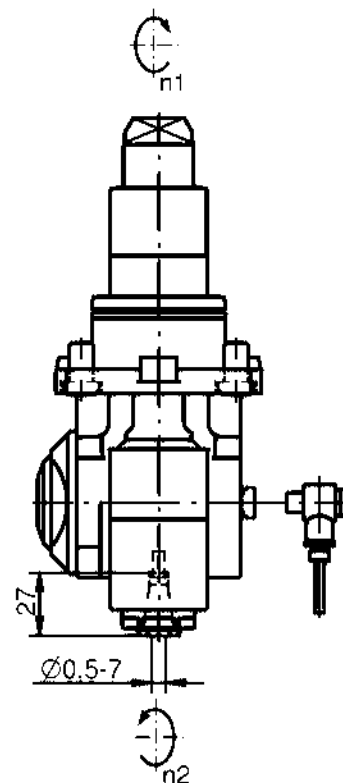
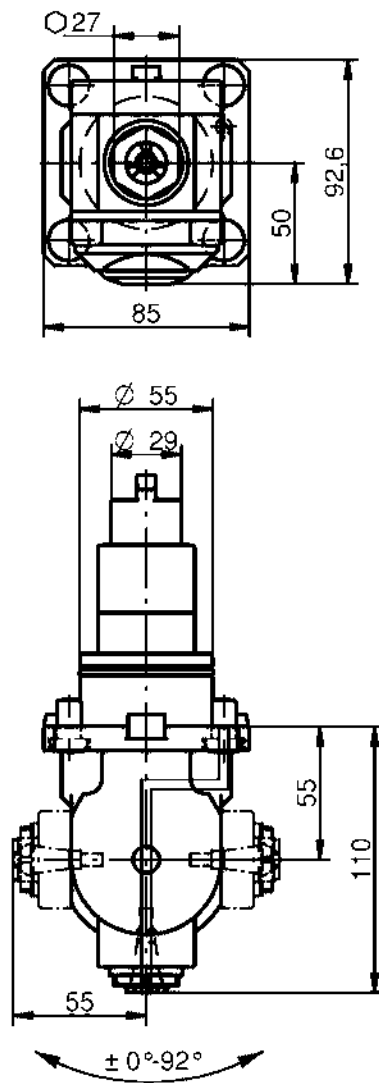
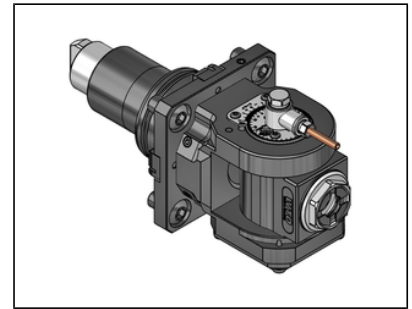
190011xxx
Collets ER 11

Adjustable angle drill/milling unit - for ER collets

Internal + external coolant supply - Do not run without coolant! Only use filtered coolant fluid (max. particle size = 50 µm)

Max. coolant pressure = 1160 PSI (80 bar)

Consider coolant pressure diagram D01013!



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
411007008-55	ER 11	0,5-7	5	12,000	1:2

Accessories
(not included)

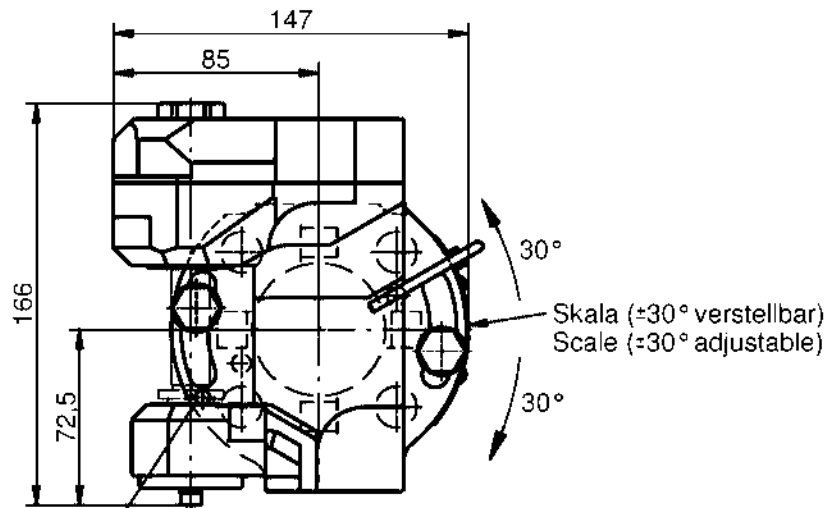
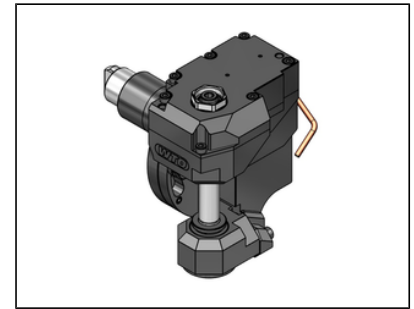


00675000914
Wrench set

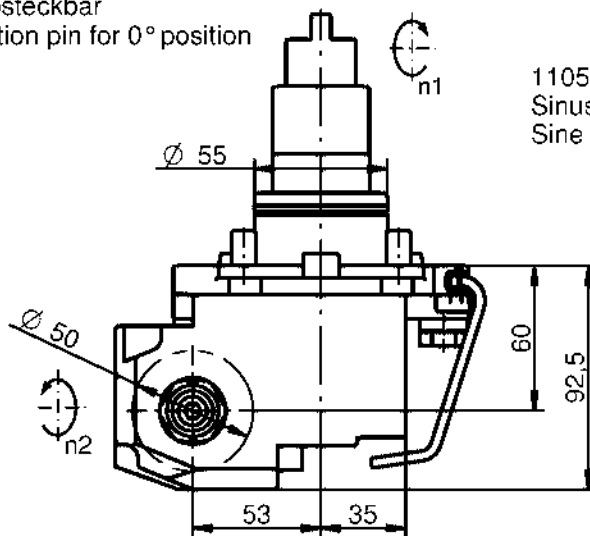


191011xxx
Collets ER 11
sealed, for IC

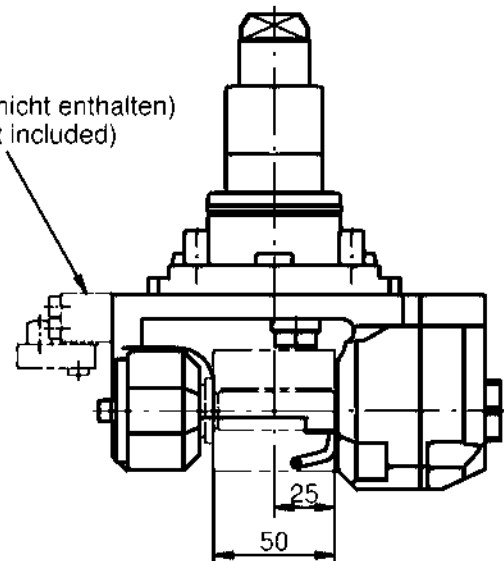
Gear hobbing unit
External coolant supply
180° reversible



0° absteckbar
Location pin for 0° position



110587
Sinuslineal (nicht enthalten)
Sine bar (not included)



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
411500013-55	Type 15-2	50	50	3,000	2:1

Accessories
(not included)



00675001015
Wrench set



1600xx152
Interchangeable milling arbors
type 15-2

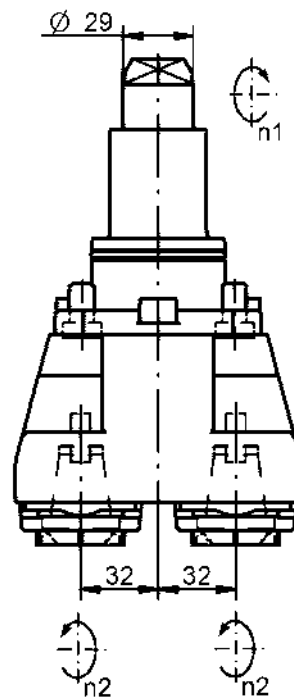
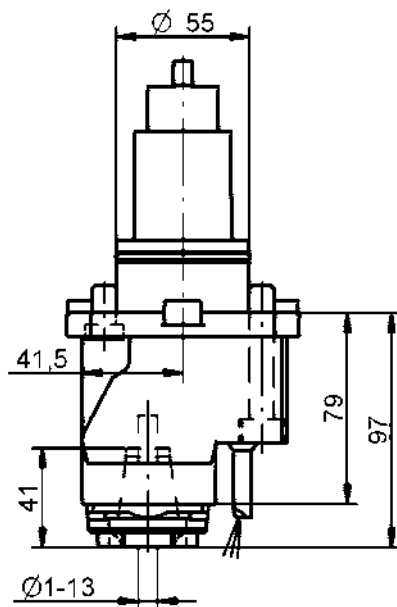
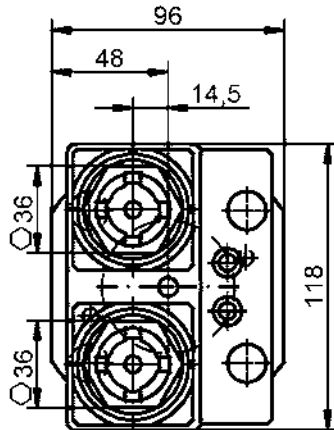
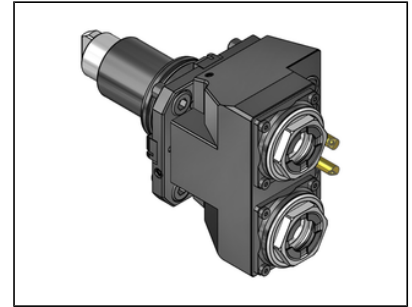


199015xx
Collets 324E-UP

SYIL L3 (BMT55)

WTO

Straight drill/milling unit, double, Y axis - for ER collets DIN 6499B
Y axis offset +/- 32 mm
External coolant supply
180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
413002004-55	ER 25	1-16	32	6,000	1:1

Accessories
(not included)



00675000970
Wrench set



190025xxx
Collets ER 25

SYIL L3 (BMT55)



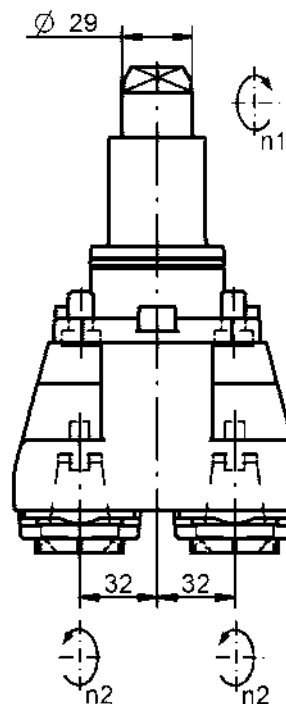
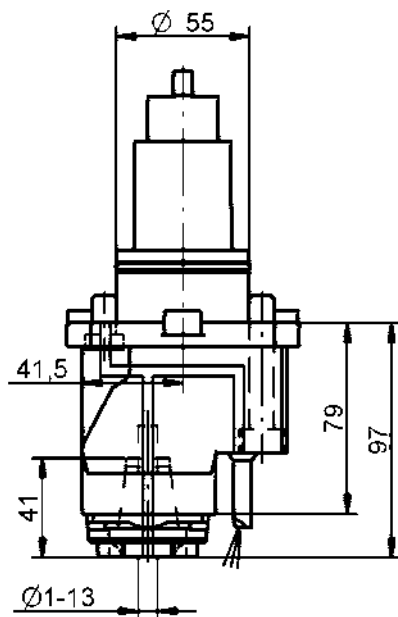
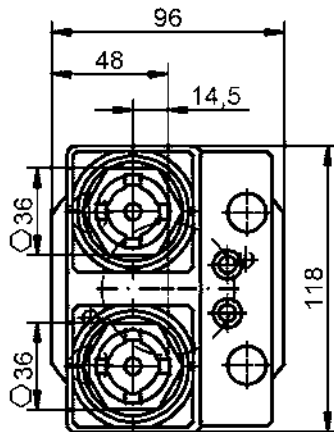
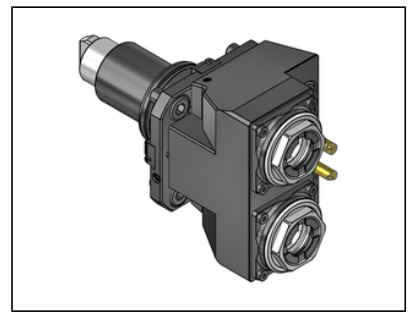
Straight drill/milling unit, double, Y axis - for ER collets DIN 6499B

Y axis offset +/- 32 mm

Internal + external coolant supply - Do not run without coolant! Only use filtered coolant fluid (max. particle size = 50 µm)

Max. coolant pressure = 1160 PSI (80 bar)

180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
413002003-55	ER 25	1-16	32	6,000	1:1

Accessories
(not included)

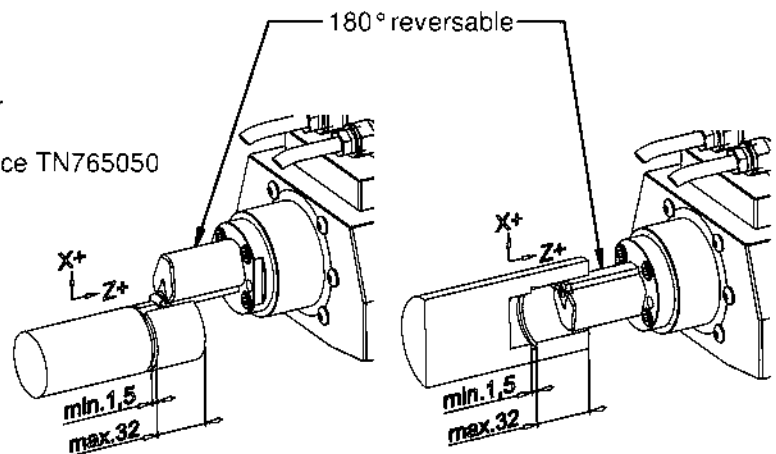
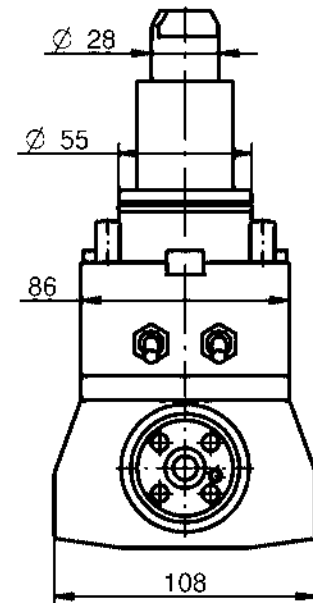
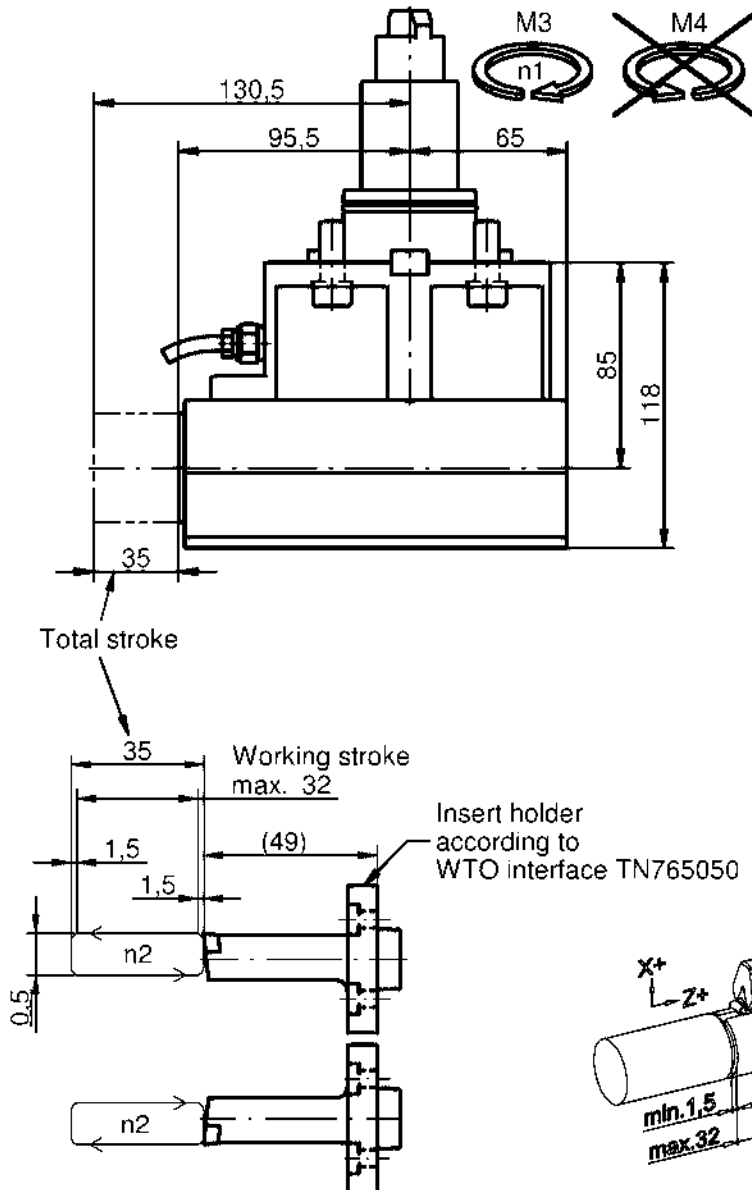
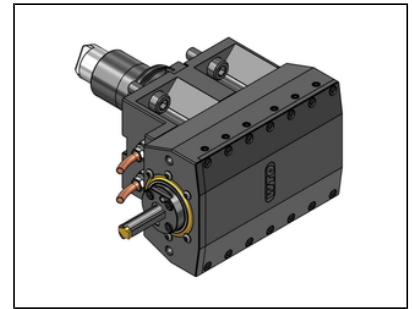


00675000970
Wrench set



191025xxx
Collets ER 25
sealed, for IC

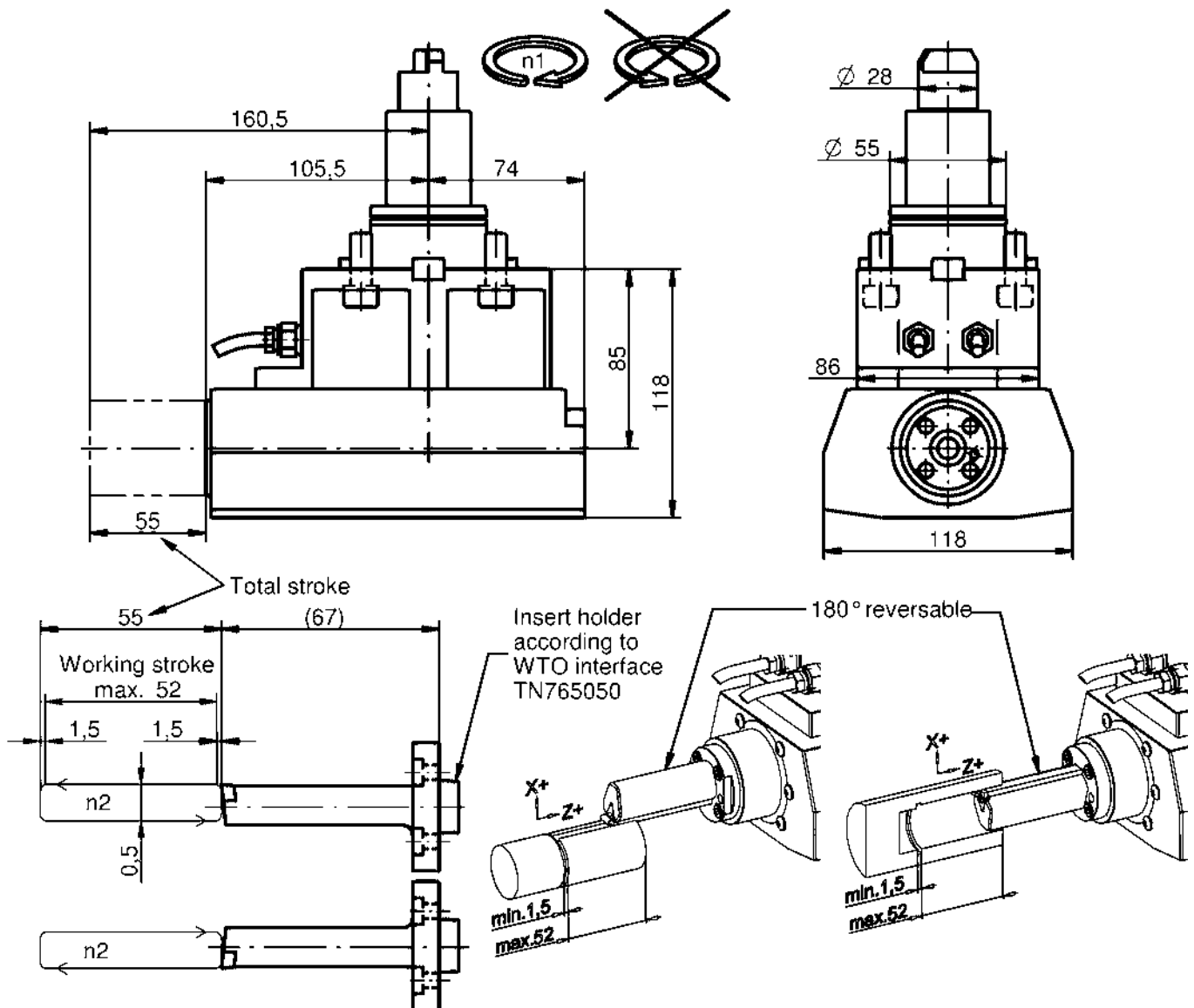
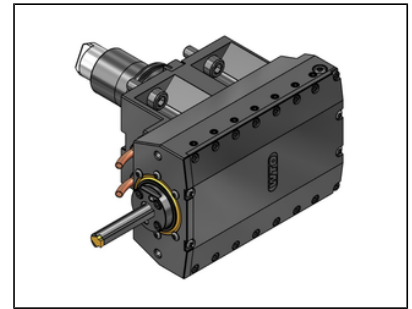
Broaching unit for ID and OD
 External coolant supply
 Only clockwise rotation (M3) allowed!
 180° reversible



Item No.	Tool Clamping	Torque(Nm)	RPM max	Gear ratio
414532000-55	Type 32	25	1,000	1:1

Accessories
 (not included)

Broaching unit for ID and OD
External coolant supply
Only clockwise rotation (M3) allowed!
180° reversible



Item No.	Tool Clamping		Torque(Nm)	RPM max	Gear ratio
414552002-55	Type 52		40	800	1:1

Accessories
(not included)

Standard reduction sleeves - cylindrical

**Reduction sleeve Ø 40**

240040006	Ø 6
240040008	Ø 8
240040010	Ø 10
240040012	Ø 12
240040014	Ø 14
240040016	Ø 16
240040020	Ø 20
240040025	Ø 25
240040032	Ø 32

**Reduction sleeve Ø 1 1/2"**

2400150038	Ø 3/8"
2400150050	Ø 1/2"
2400150063	Ø 5/8"
2400150075	Ø 3/4"
2400150088	Ø 7/8"
2400150100	Ø 1"
2400150125	Ø 1 1/4"

Standard reduction sleeves - morse taper

**Reduction sleeve Ø 40**

240540001	MT 1
240540002	MT 2
240540003	MT 3
240540004	MT 4

Collets DIN 6499B (ER/ESX)



ER 11

190011000	ø 7-0.5	ø 0.276-0.020
190011010	ø 1-0.5	ø 0.039-0.020
190011015	ø 1.5-1	ø 0.059-0.039
190011020	ø 2-1.5	ø 0.079-0.059
190011025	ø 2.5-2	ø 0.098-0.079
190011030	ø 3-2.5	ø 0.118-0.098
190011035	ø 3.5-3	ø 0.138-0.118
190011040	ø 4-3.5	ø 0.158-0.138
190011045	ø 4.5-4	ø 0.177-0.158
190011050	ø 5-4.5	ø 0.197-0.177
190011055	ø 5.5-5	ø 0.217-0.197
190011060	ø 6-5.5	ø 0.236-0.217
190011065	ø 6.5-6	ø 0.256-0.236
190011070	ø 7-6.5	ø 0.276-0.256



ER 25

190025000	ø 16-1	ø 0.630-0.039
190025010	ø 1-0.5	ø 0.039-0.020
190025020	ø 2-1	ø 0.079-0.039
190025030	ø 3-2	ø 0.118-0.079
190025040	ø 4-3	ø 0.157-0.118
190025050	ø 5-4	ø 0.197-0.157
190025060	ø 6-5	ø 0.236-0.197
190025070	ø 7-6	ø 0.276-0.236
190025080	ø 8-7	ø 0.315-0.276
190025090	ø 9-8	ø 0.354-0.315
190025100	ø 10-9	ø 0.394-0.354
190025110	ø 11-10	ø 0.433-0.394
190025120	ø 12-11	ø 0.472-0.433
190025130	ø 13-12	ø 0.512-0.472
190025140	ø 14-13	ø 0.551-0.512
190025150	ø 15-14	ø 0.591-0.551
190025160	ø 16-15	ø 0.630-0.591



ER 16

190016000	ø 10-0.5	ø 0.394-0.020
190016010	ø 1-0.5	ø 0.039-0.020
190016020	ø 2-1	ø 0.079-0.039
190016030	ø 3-2	ø 0.118-0.079
190016040	ø 4-3	ø 0.158-0.118
190016050	ø 5-4	ø 0.197-0.158
190016060	ø 6-5	ø 0.236-0.197
190016070	ø 7-6	ø 0.276-0.236
190016080	ø 8-7	ø 0.315-0.276
190016090	ø 9-8	ø 0.354-0.315
190016100	ø 10-9	ø 0.394-0.354



ER 32

190032000	ø 20-2	ø 0.787-0.079
190032020	ø 2-1	ø 0.079-0.039
190032030	ø 3-2	ø 0.118-0.079
190032040	ø 4-3	ø 0.157-0.118
190032050	ø 5-4	ø 0.197-0.157
190032060	ø 6-5	ø 0.236-0.197
190032070	ø 7-6	ø 0.276-0.236
190032080	ø 8-7	ø 0.315-0.276
190032090	ø 9-8	ø 0.354-0.315
190032100	ø 10-9	ø 0.394-0.354
190032110	ø 11-10	ø 0.433-0.394
190032120	ø 12-11	ø 0.472-0.433
190032130	ø 13-12	ø 0.512-0.472
190032140	ø 14-13	ø 0.551-0.512
190032150	ø 15-14	ø 0.591-0.551
190032160	ø 16-15	ø 0.630-0.591
190032170	ø 17-16	ø 0.669-0.630
190032180	ø 18-17	ø 0.709-0.669
190032190	ø 19-18	ø 0.748-0.709
190032200	ø 20-19	ø 0.787-0.748



ER 20

190020000	ø 13-1	ø 0.512-0.039
190020010	ø 1-0.5	ø 0.039-0.020
190020020	ø 2-1	ø 0.079-0.039
190020030	ø 3-2	ø 0.118-0.079
190020040	ø 4-3	ø 0.157-0.118
190020050	ø 5-4	ø 0.197-0.157
190020060	ø 6-5	ø 0.236-0.197
190020070	ø 7-6	ø 0.276-0.236
190020080	ø 8-7	ø 0.315-0.276
190020090	ø 9-8	ø 0.354-0.315
190020100	ø 10-9	ø 0.394-0.354
190020110	ø 11-10	ø 0.433-0.394
190020120	ø 12-11	ø 0.472-0.433
190020130	ø 13-12	ø 0.512-0.472

Collets DIN 6499D (ER/ESX) - sealed, for IC

ER 11

191011030	ø 3
191011040	ø 4
191011050	ø 5
191011060	ø 6


ER 32

191032000	ø 20-4
191032030	ø 3
191032040	ø 4
191032050	ø 5
191032060	ø 6
191032070	ø 7
191032080	ø 8
191032090	ø 9
191032100	ø 10
191032110	ø 11
191032120	ø 12
191032130	ø 13
191032140	ø 14
191032150	ø 15
191032160	ø 16
191032170	ø 17
191032180	ø 18
191032190	ø 19
191032200	ø 20


ER 16

191016000	ø 10-3
191016030	ø 3
191016040	ø 4
191016050	ø 5
191016060	ø 6
191016070	ø 7
191016080	ø 8
191016090	ø 9
191016100	ø 10


ER 20

191020000	ø 12-3
191020030	ø 3
191020040	ø 4
191020050	ø 5
191020060	ø 6
191020070	ø 7
191020080	ø 8
191020090	ø 9
191020100	ø 10
191020110	ø 11
191020120	ø 12


ER 25

191025000	ø 16-4
191025030	ø 3
191025040	ø 4
191025050	ø 5
191025060	ø 6
191025070	ø 7
191025080	ø 8
191025090	ø 9
191025100	ø 10
191025110	ø 11
191025120	ø 12
191025130	ø 13
191025140	ø 14
191025150	ø 15
191025160	ø 16

Collets DIN 6499D (ER/DM) - metallic sealed, for IC

**ER 20-in**

191120001-in	ø 0.5-0.125
191120013-in	ø 0.125
191120019-in	ø 0.188
191120025-in	ø 0.25
191120031-in	ø 0.313
191120038-in	ø 0.375
191120044-in	ø 0.438
191120050-in	ø 0.5

Collets 324E-UP



Collets 324E-UP

199015130

Ø 13-12.9

199015050-in

Ø 0.5

Gear hobbing unit



**Interchangeable milling arbor
type 15-2**

160008152 Ø 8
160010152 Ø 10
160012152 Ø 1 1/2"
160013152 Ø 13
160016152 Ø 16
160022152 Ø 22
160015152 Ø 5/8"
160019152 Ø 3/4"

ER-20QF



ER-20QF collet chuck adapter

320020010	ER 16
320020013	ER 20



ER-20QF master gauge

339120000



ER-20QF collet chuck adapter short

320020007-09	ER 11
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ER-20QF collet chuck adapter long

320020007-40	ER 11
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ER-20QF Weldon/Whistle Notch shank adapter

320120006	Ø 6
320120008	Ø 8
320120010	Ø 10
320120012	Ø 12
320120014	Ø 14
320120016	Ø 16
3201200250	Ø 1/4"
3201200312	Ø 5/16"
3201200375	Ø 3/8"
3201200500	Ø 1/2"
3201200625	Ø 5/8"



ER-20QF combination mill adapter

320220016	Ø 16
3202200750	Ø 3/4"



ER-20QF powRgrip collet chuck adapter

325220P15	PGST 15
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ER-20QF blank

329020000



ER-20QF protection cover

337020000

ER-25QF



ER-25QF collet chuck adapter

320025010	ER 16
320025013	ER 20
320025016	ER 25



ER-25QF collet chuck adapter short

320025010-07	ER 16
320025013-09	ER 20



ER-25QF collet chuck adapter long

320025007-40	ER 11
320025010-50	ER 16



ER-25QF Weldon/Whistle Notch shank adapter

320125006	Ø 6
320125008	Ø 8
320125010	Ø 10
320125012	Ø 12
320125014	Ø 14
320125016	Ø 16
320125018	Ø 18
320125020	Ø 20
3201250250	Ø 1/4"
3201250312	Ø 5/16"
3201250375	Ø 3/8"
3201250500	Ø 1/2"
3201250625	Ø 5/8"
3201250750	Ø 3/4"



ER-25QF combination mill adapter

320225016	Ø 16
320225022	Ø 22
320225027	Ø 27
3202250750	Ø 3/4"
3202251000	Ø 1"



ER-25QF hydro high precision chuck adapter

320425016	Ø 16
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ER-25QF mini-floating adapter

325325M11	ER 11
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ER-25QF powRgrip collet chuck adapter

325225P15	PGST 15
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ER-25QF CKB adapter

325125CK1	CKB1/11
325125CK2	CKB2/14
325125CK3	CKB3/18



ER-25QF blank

329025000



ER-25QF protection cover

337025000



ER-25QF master gauge

339125000
