

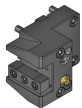
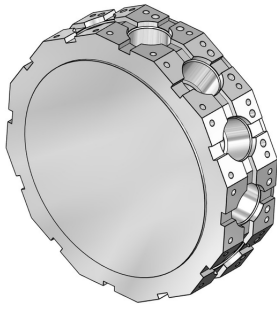


Tool Holder Program

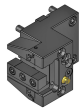
SYIL L2 (BMT45)



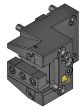
Static Toolholders - Standard Program


OD cutting holder

20	48-95083
3/4"	48-95084


OD cutting holder, HP-IC

20	48-100605-HP	IC 80 bar
3/4"	48-108926-HP	IC 80 bar


OD cutting holder, HP-IC

25	48-104395-HP	IC 80 bar
1"	48-104396-HP	IC 80 bar


Face cutting holder

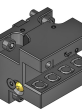
20	48-109148
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Face cutting holder

3/4"	48-95338
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Face cutting holder, HP-IC

20	48-109148-HP	IC 80 bar
3/4"	48-109149-HP	IC 80 bar

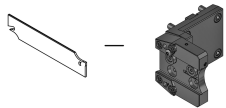
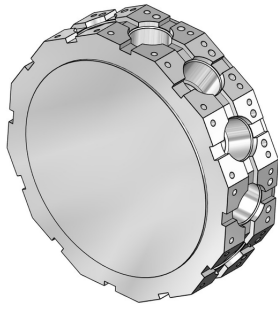

Face cutting holder, HP-IC

25	48-104397-HP	IC 80 bar
1"	48-104398-HP	IC 80 bar

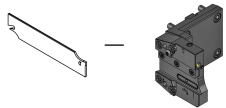

ID combination holder, LF=65

Ø 40	48-95090	IC 80 bar
Ø 1 1/2"	48-95327	IC 80 bar

Static Toolholders - Enhanced Program

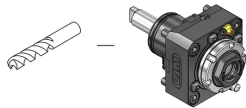
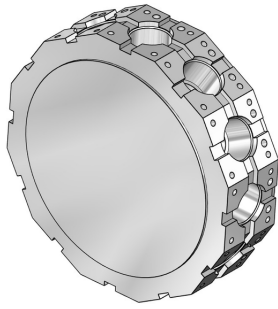
**Cut-off holder, adjustable**

SH 26	48-94968
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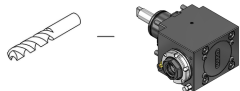
**Cut-off holder, adjustable, HP-IC**

SH 26	48-102252R	IC 80 bar
SH 26	48-102252L	IC 80 bar

Driven Toolholders - QuickFlex®

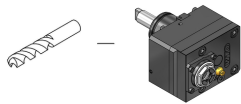
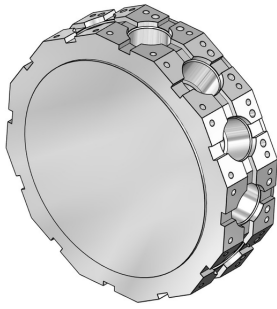
**Straight drill/milling unit**

ER-25 QF	QF25-DNE-BT45A-047-E-A	1:1	EC	 0067725000
ER-25 QF	QF25-DNE-BT45A-050-I-A	1:1	IC 100 bar	 0067725000

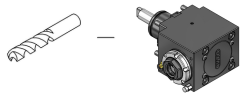
**Right angle drill/milling unit, LF=65**

ER-25 QF	420525015-45	1:1	EC	 0067725000
ER-25 QF	420525016-45	1:1	IC 80 bar	 0067725000

Driven Toolholders - Enhanced Program

**Straight offset drill/milling unit**

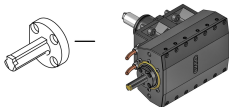
ER 16	410110002-45	1:2	EC		00675000937
ER 16	410110003-45	1:2	IC 80 bar		00675000937
ER 16	410410008-45	1:3	EC		00675000937
ER 16	410410002-45	1:3	IC 80 bar		00675000937

**Right angle drill/milling unit, LF=65**

ER-20 QF	420520018-45	1:2	EC		0067720001
ER-20 QF	420520019-45	1:2	IC 80 bar		0067720001
ER-25 QF	420525020-45	2:1	EC		0067725000
ER-25 QF	420525021-45	2:1	IC 80 bar		0067725000

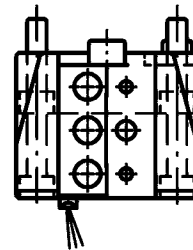
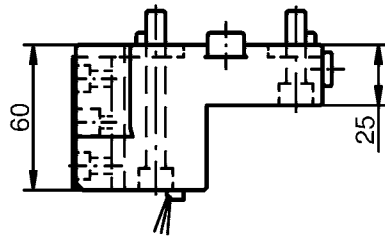
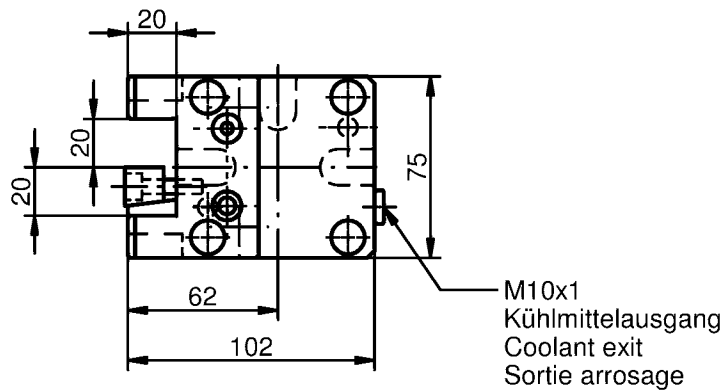
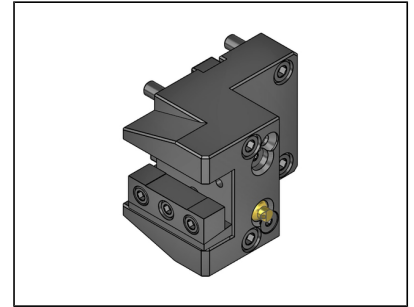
**Adjustable angle drill/milling unit**

ER 16	411010008-45	1:1	EC		00675000902
ER 16	411010009-45	1:1	IC 80 bar		00675000902
ER 11	411007004-45	1:2	EC		00675000999
ER 11	411007005-45	1:2	IC 80 bar		00675000914

**Broaching unit for ID and OD**

Type 32	414532005-45	1:1	EC		
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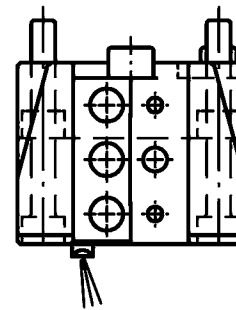
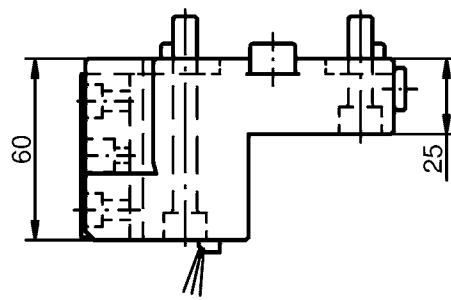
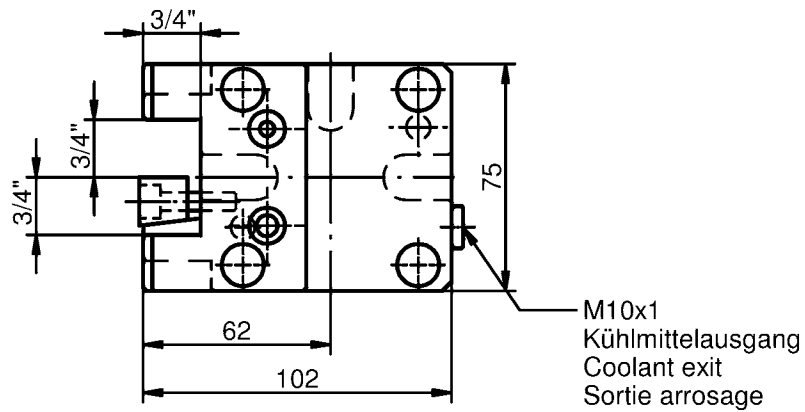
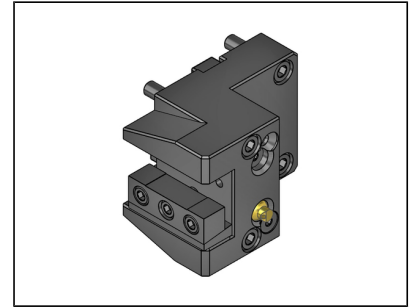
OD cutting holder
180° reversible



Item No.	Tool Clamping				
48-95083	20				

Accessories
(not included)

OD cutting holder
180° reversible



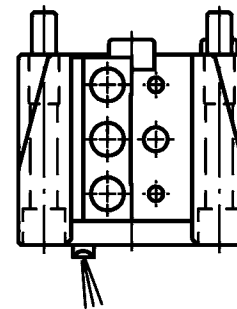
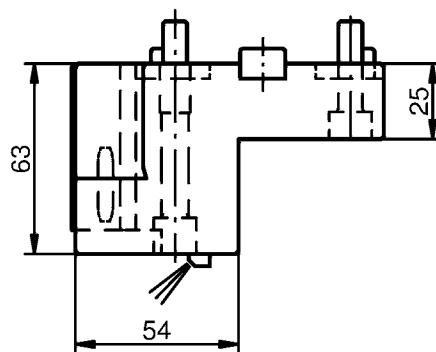
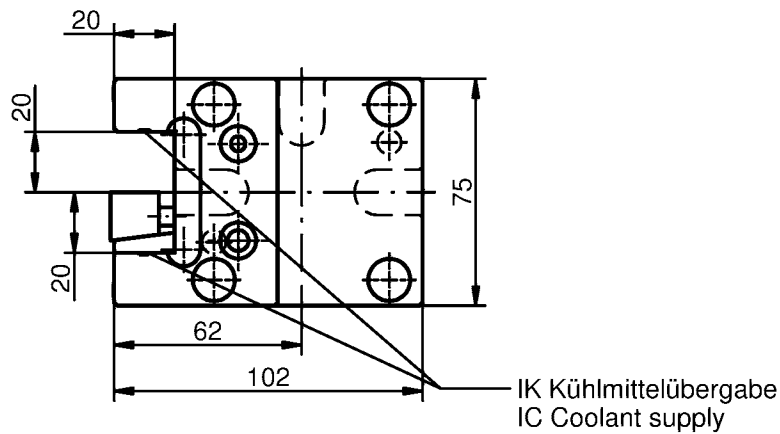
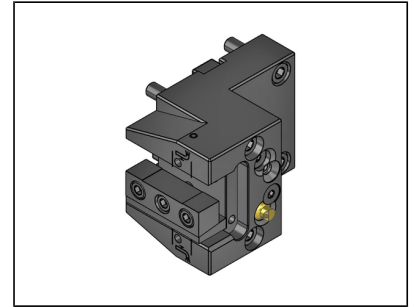
Item No.	Tool Clamping				
48-95084	3/4"				

Accessories
(not included)

SYIL L2 (BMT45)



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



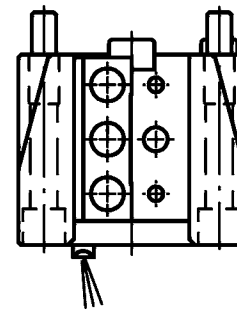
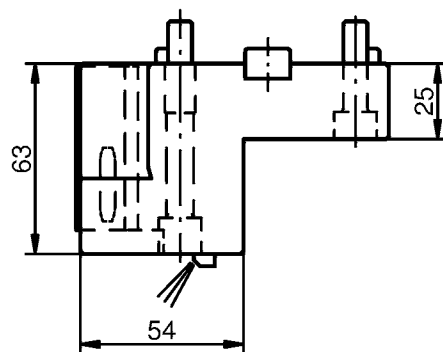
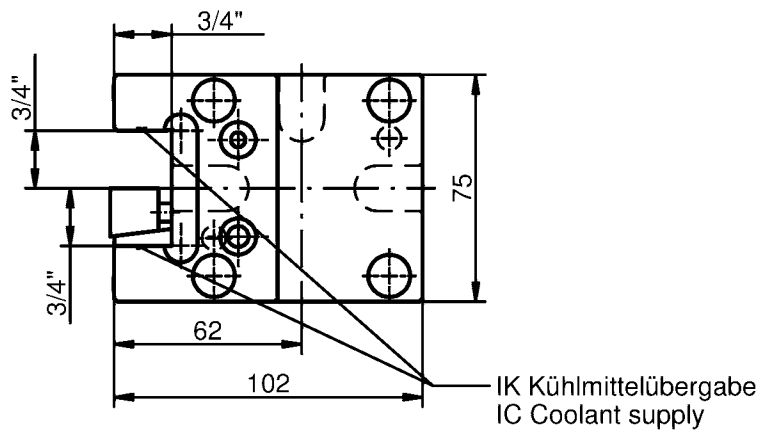
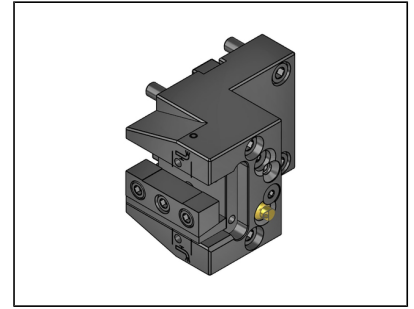
Item No.	Tool Clamping				
48-100605-HP	20				

Accessories
(not included)

SYIL L2 (BMT45)

WTO

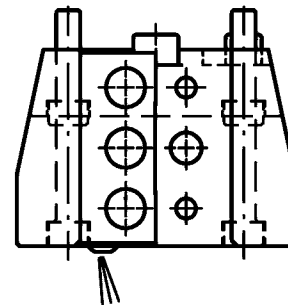
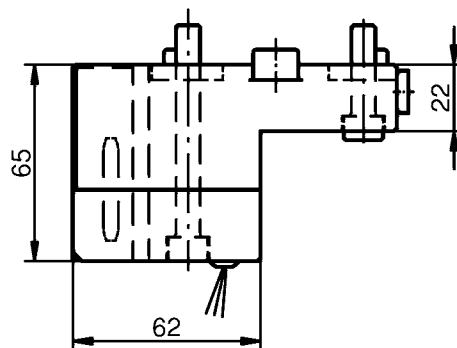
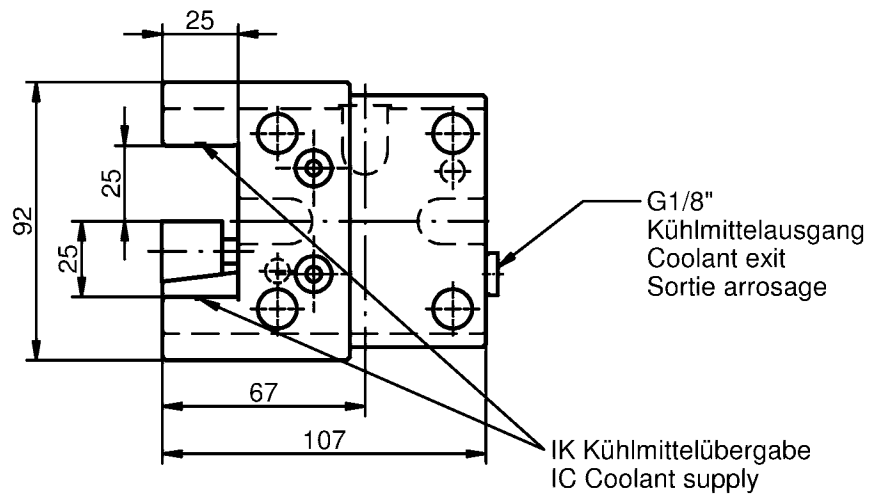
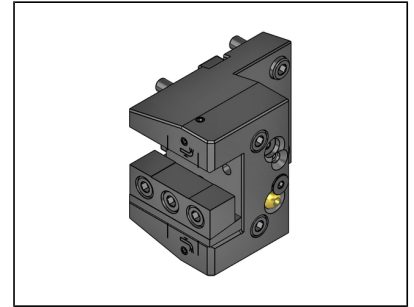
OD cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



Item No.	Tool Clamping				
48-108926-HP	3/4"				

Accessories
(not included)

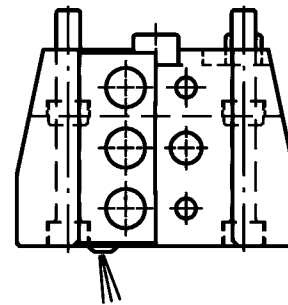
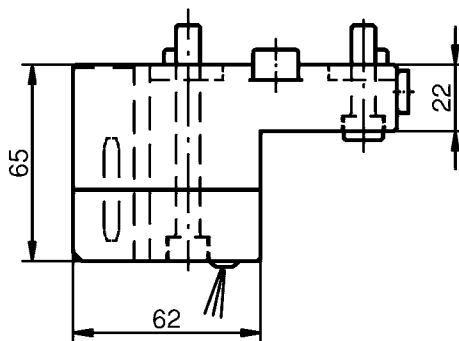
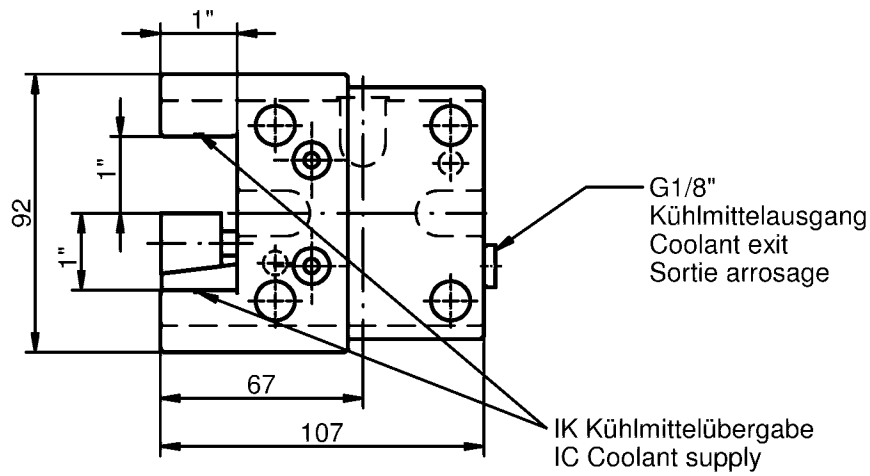
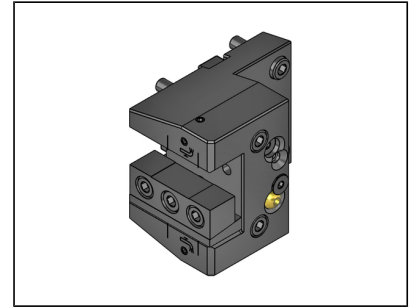
OD cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



Item No.	Tool Clamping				
48-104395-HP	25				

Accessories
(not included)

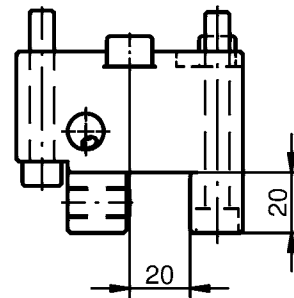
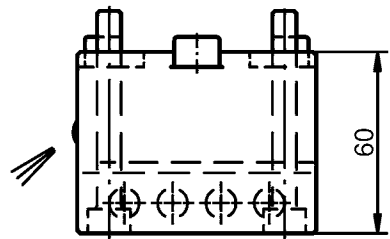
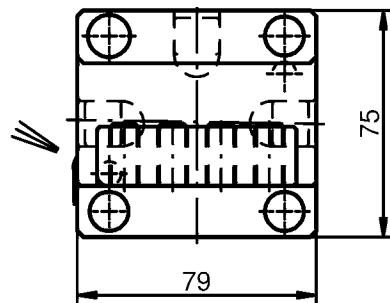
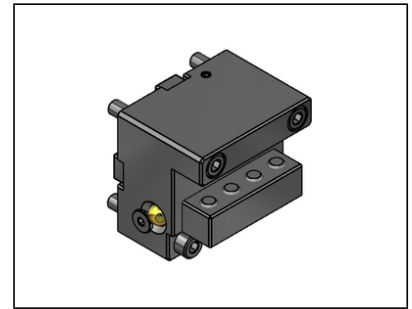
OD cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



Item No.	Tool Clamping				
48-104396-HP	1"				

Accessories
(not included)

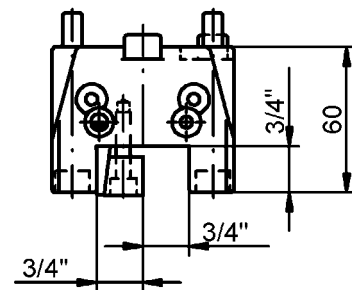
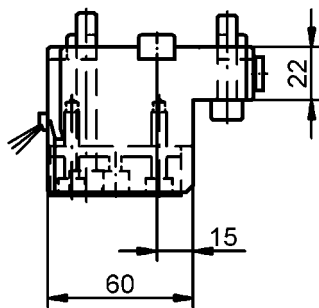
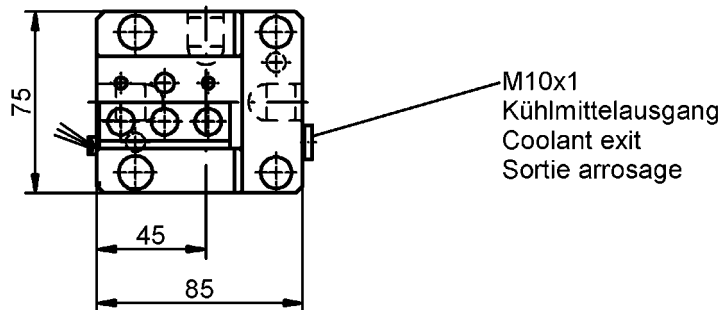
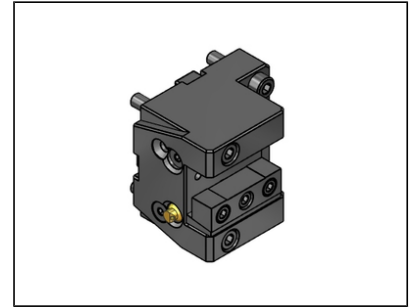
Face cutting holder
180° reversible



Item No.	Tool Clamping				
48-109148	20				

Accessories
(not included)

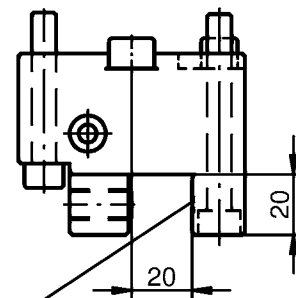
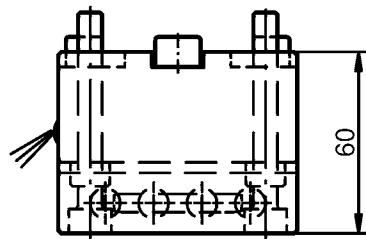
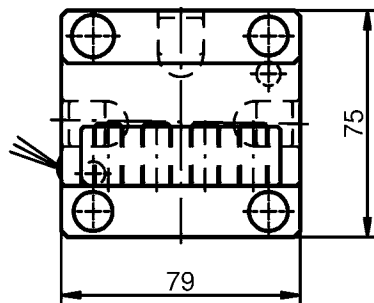
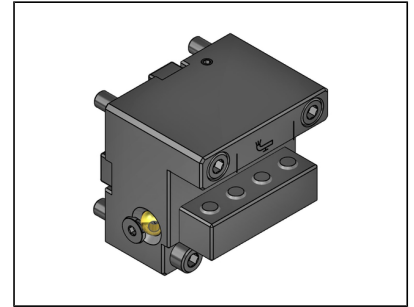
Face cutting holder
180° reversible



Item No.	Tool Clamping				
48-95338	3/4"				

Accessories
(not included)

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



IK Kühlmittelüberagabe
IC Coolant supply

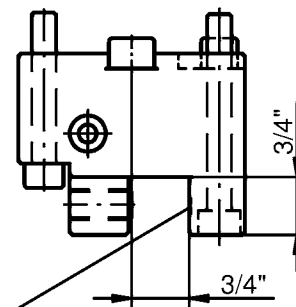
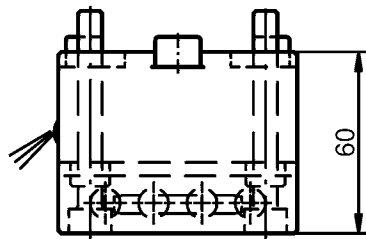
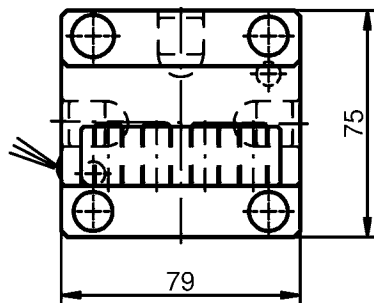
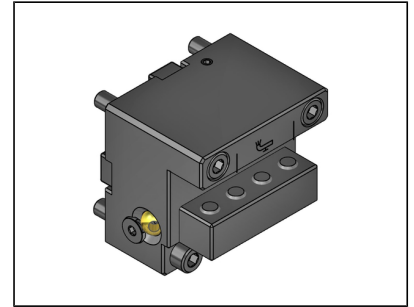
Item No.	Tool Clamping				
48-109148-HP	20				

Accessories
(not included)

SYIL L2 (BMT45)



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



IK Kühlmittelüberagabe
IC Coolant supply

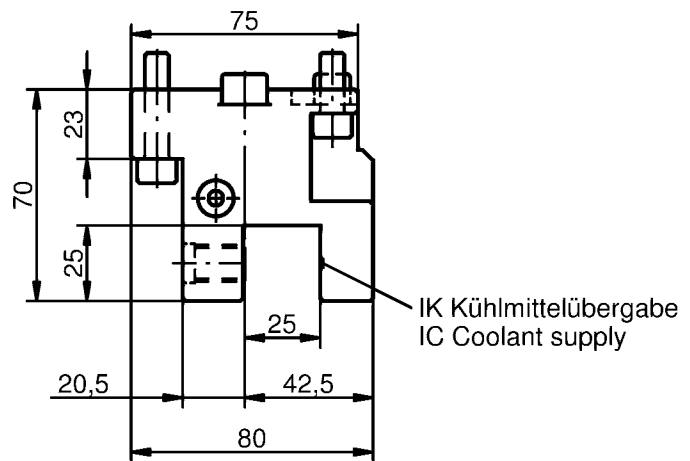
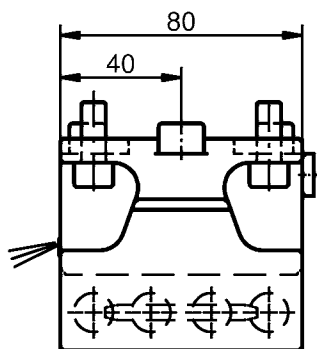
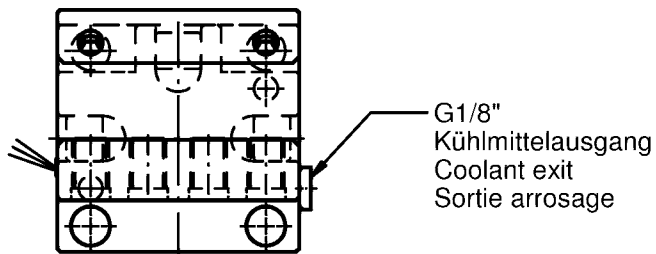
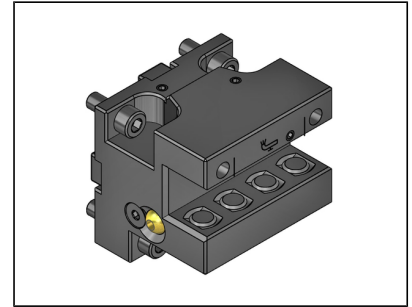
Item No.	Tool Clamping				
48-109149-HP	3/4"				

Accessories
(not included)

SYIL L2 (BMT45)



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



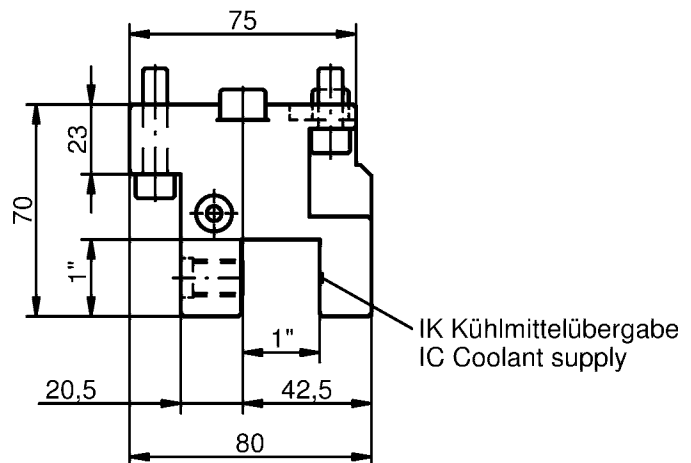
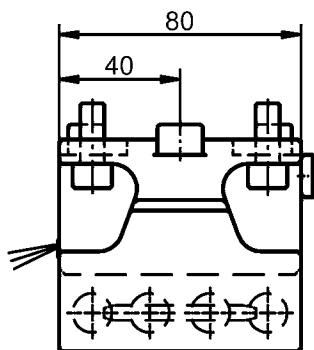
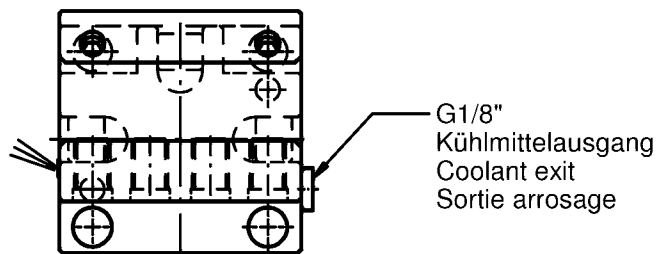
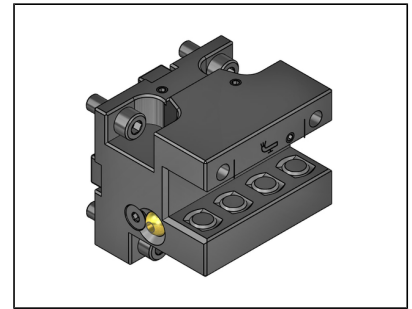
Item No.	Tool Clamping				
48-104397-HP	25				

Accessories
(not included)

SYIL L2 (BMT45)



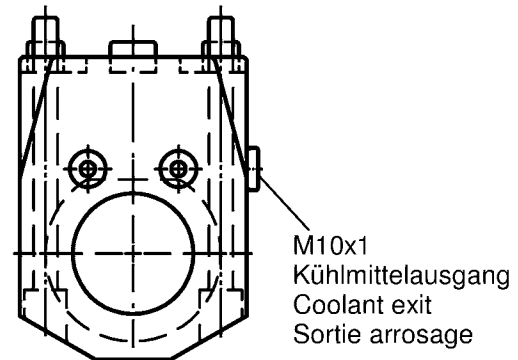
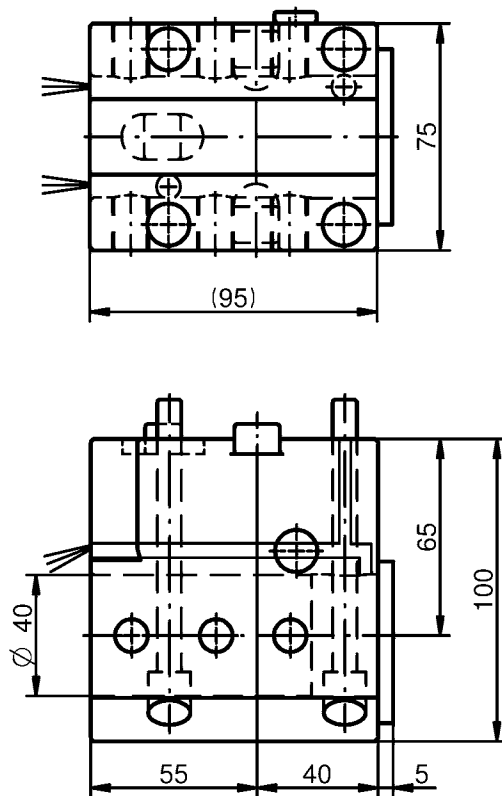
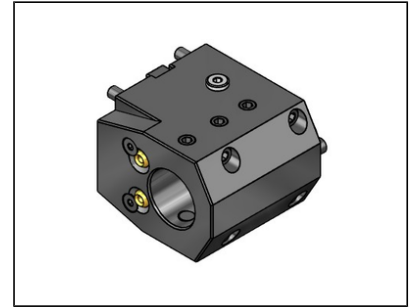
Face cutting holder
Internal + external coolant supply
Max. coolant pressure = 1160 PSI (80 bar)
180° reversible



Item No.	Tool Clamping				
48-104398-HP	1"				

Accessories
(not included)

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

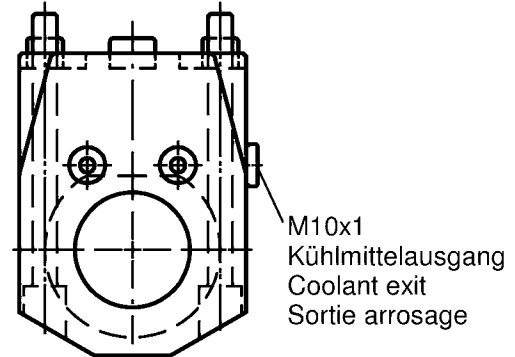
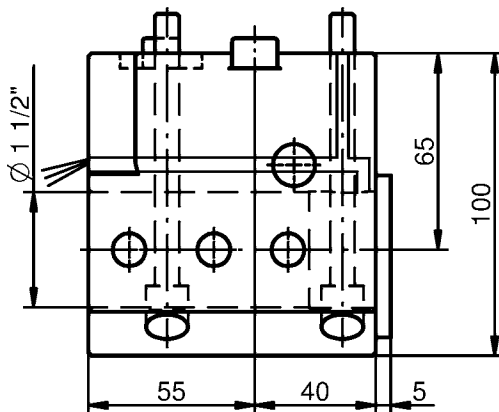
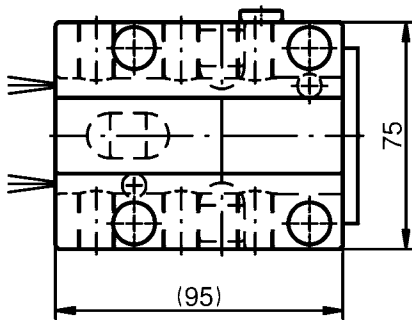
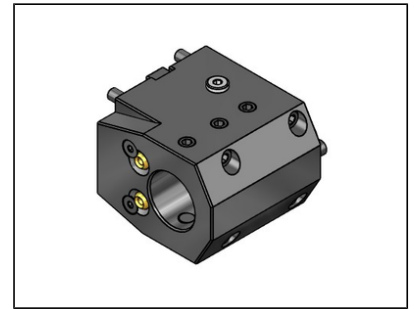


Item No.	Tool Clamping				
48-95090	Ø 40				
Accessories (not included)	 240040		 240540_		

SYIL L2 (BMT45)



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



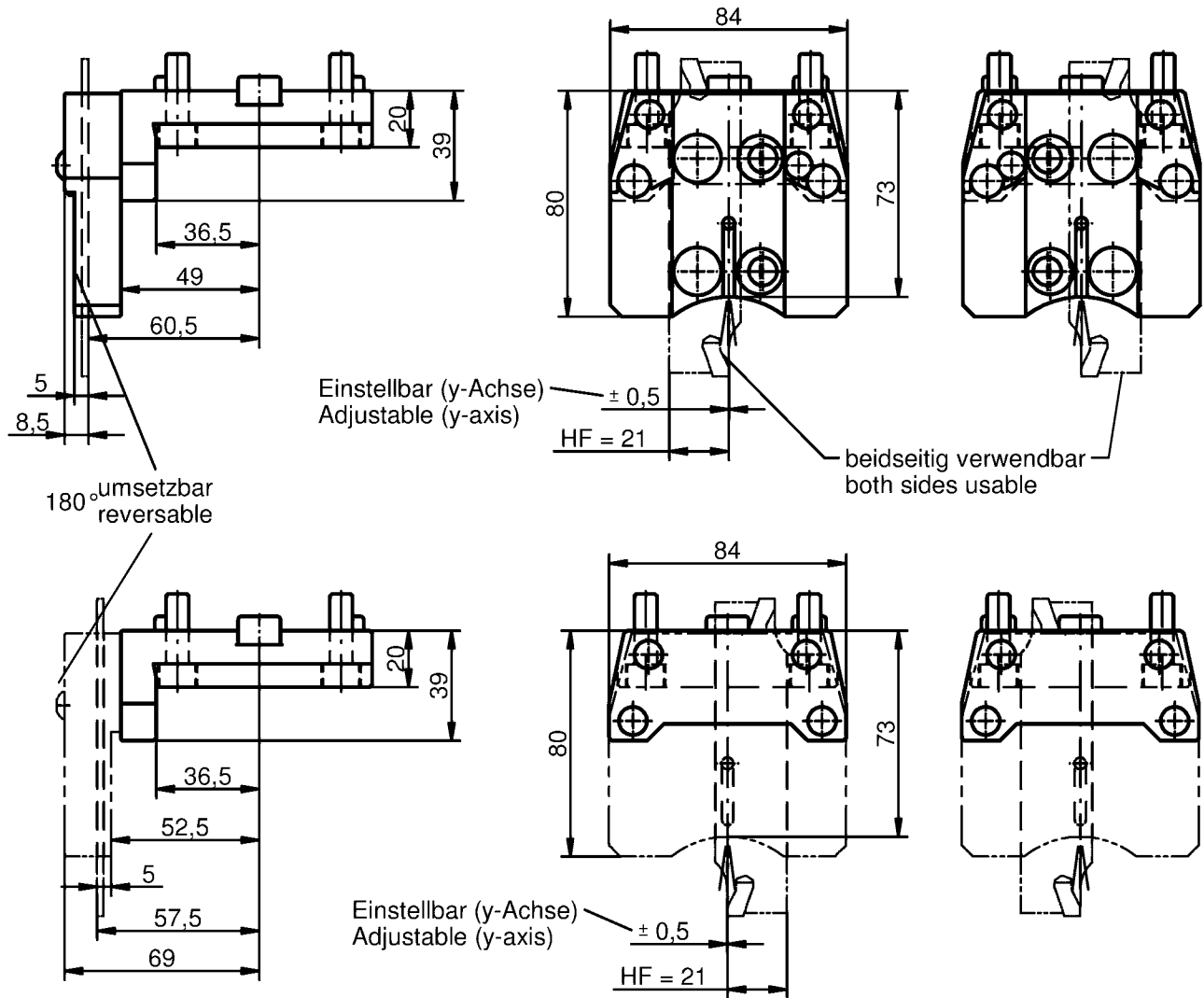
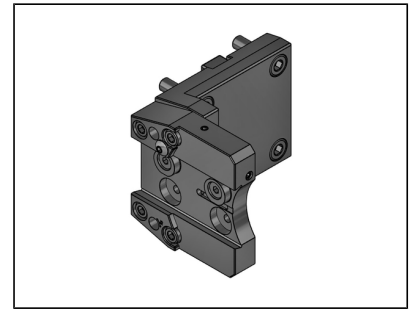
Item No.	Tool Clamping				
48-95327	Ø 1 1/2"				

Accessories
(not included)



240015

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



Item No.	Tool Clamping				
48-94968	SH 26				

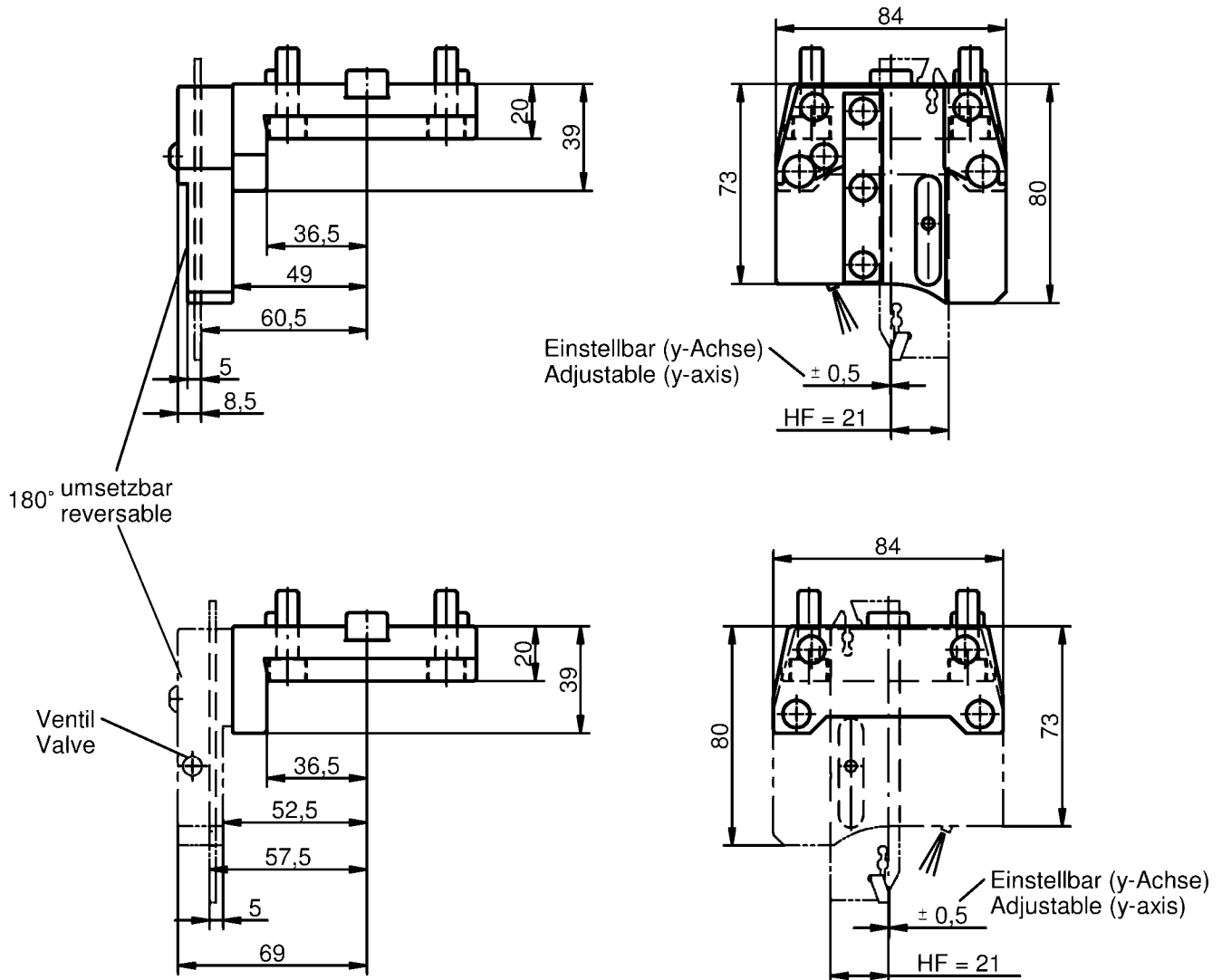
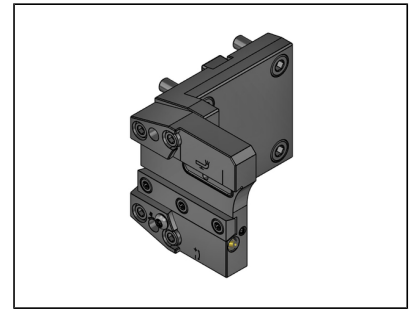
Accessories
(not included)

Cut-off holder, adjustable, right

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

Max. coolant pressure = 1160 PSI (80 bar)

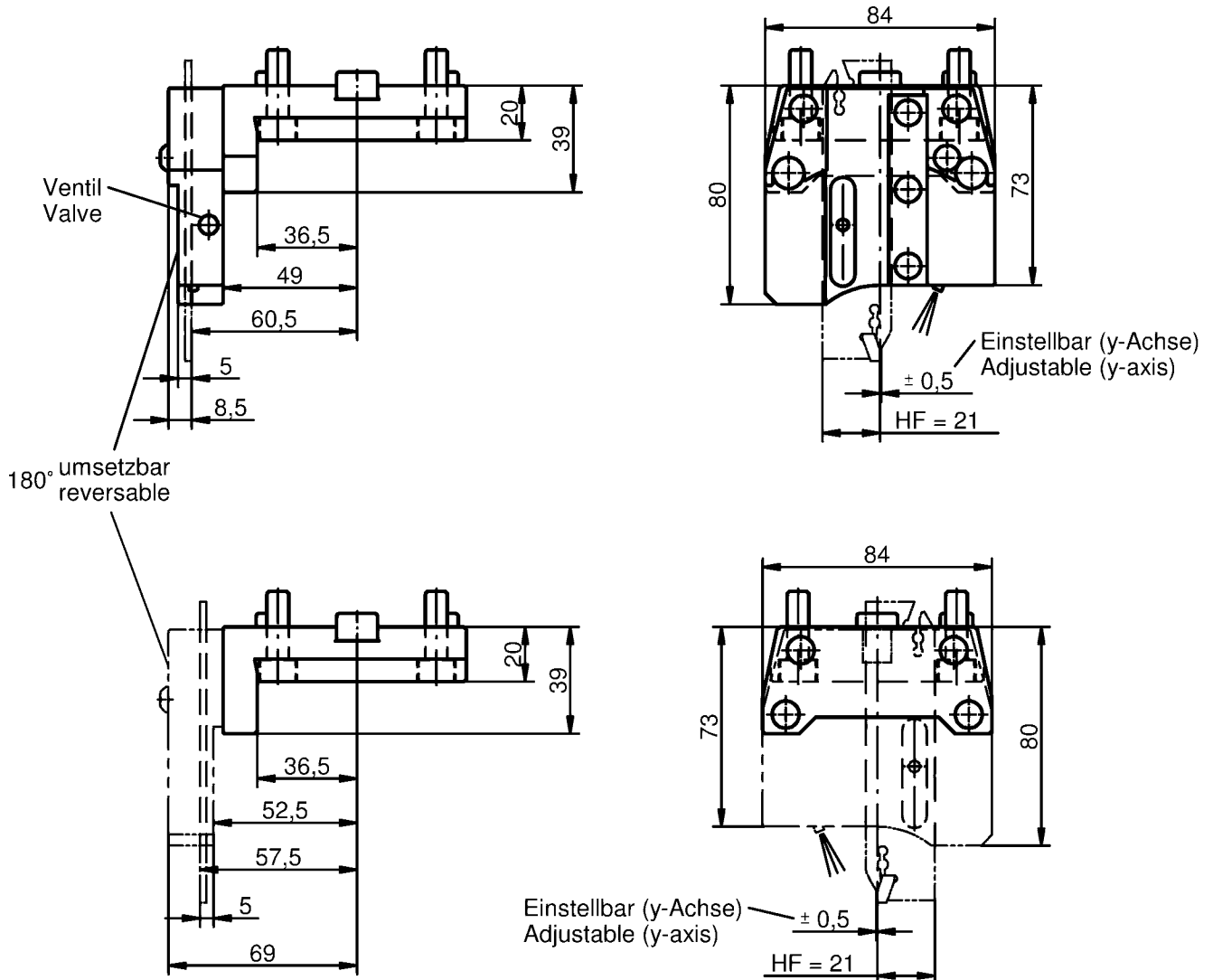
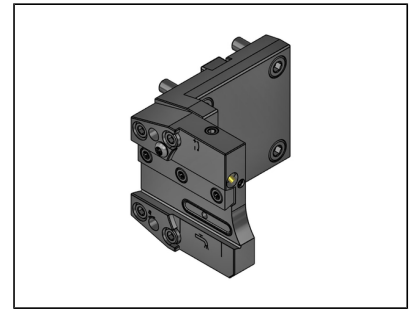
180° reversible



Item No.	Tool Clamping				
48-102252R	SH 26				

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



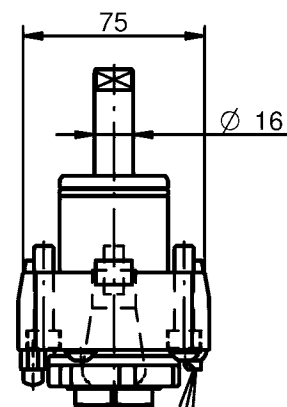
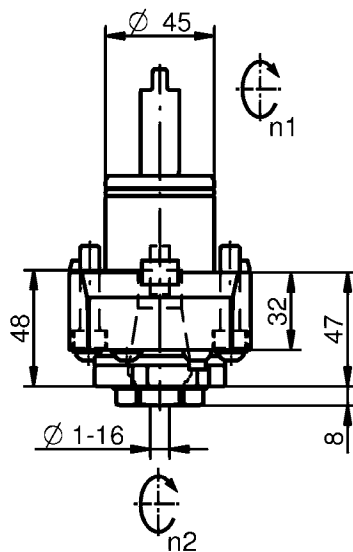
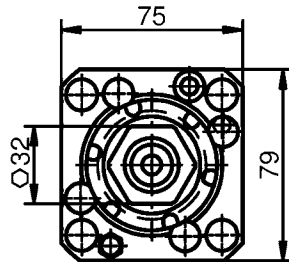
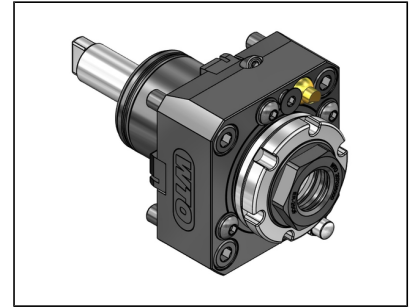
Item No.	Tool Clamping				
48-102252L	SH 26				

Accessories
(not included)

SYIL L2 (BMT45)



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-BT45A-047-E-A	ER-25 QF	1-16	35	6,000	1:1

Accessories
(not included)



0067725000
One-hand wrench set ER-25QF

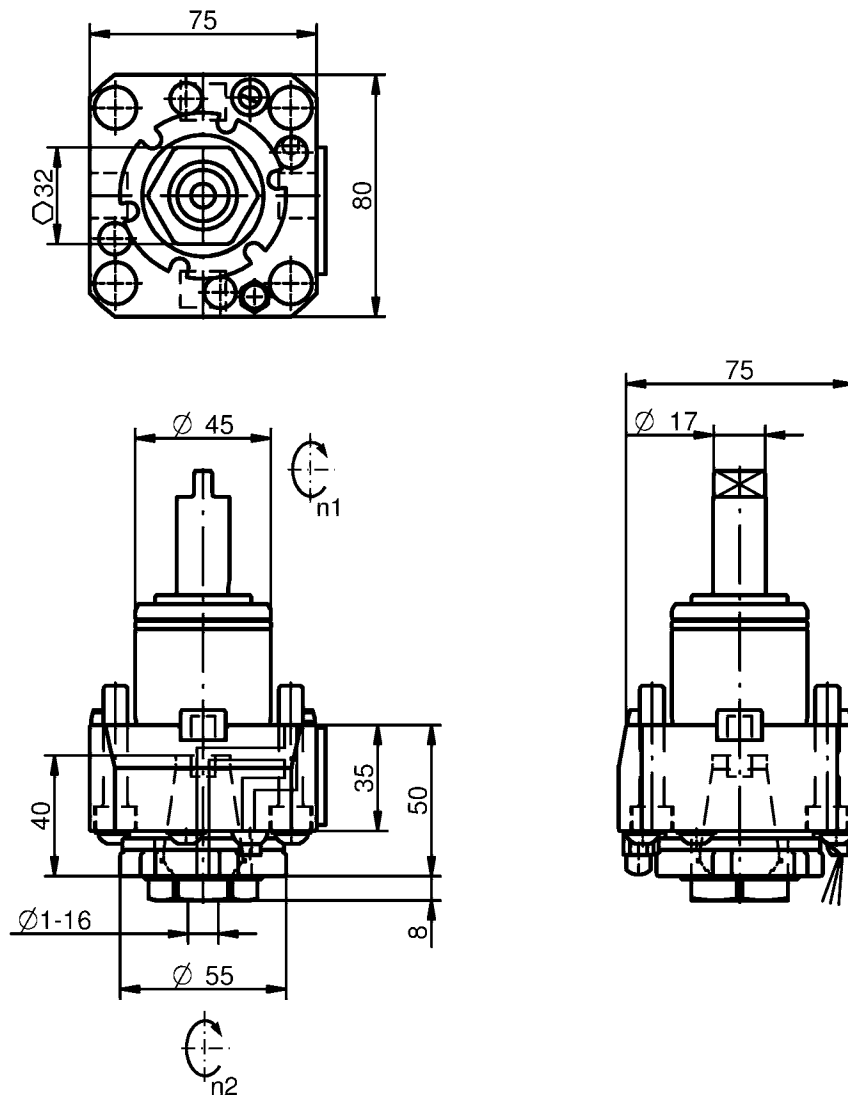
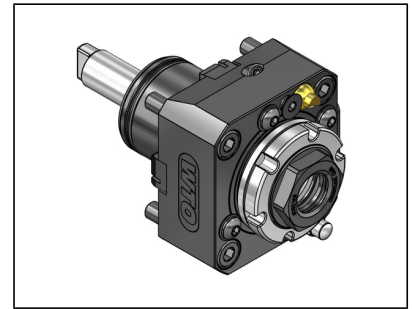


190025xxx
Collets ER 25



320025xxx
ER-25QF collet chuck adapter

Straight 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



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
QF25-DNE-BT45A-050-I-A	ER-25 QF	1-16	35	6,000	1:1

Accessories
(not included)



0067725000
One-hand wrench set ER-25QF



191025xxx
Collets ER 25 sealed, for IC

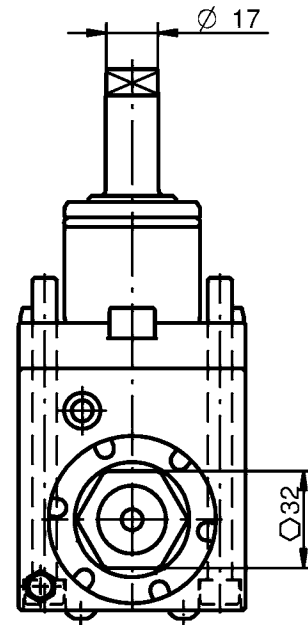
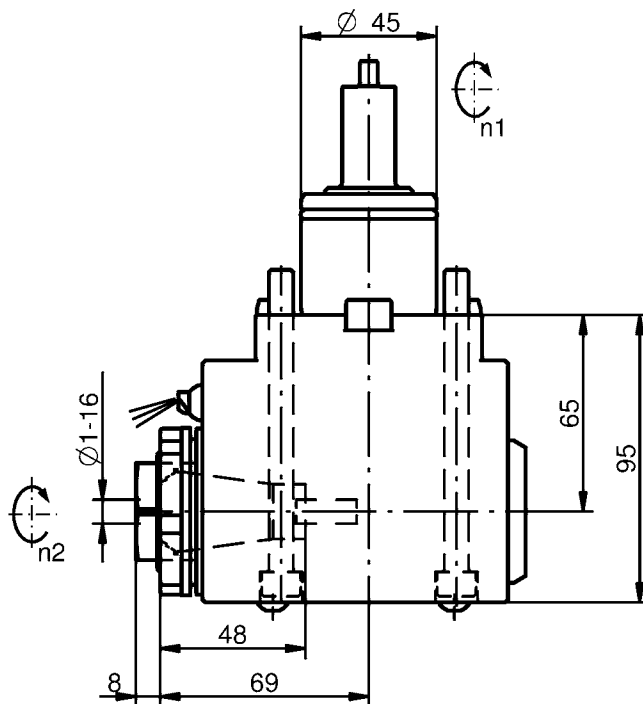
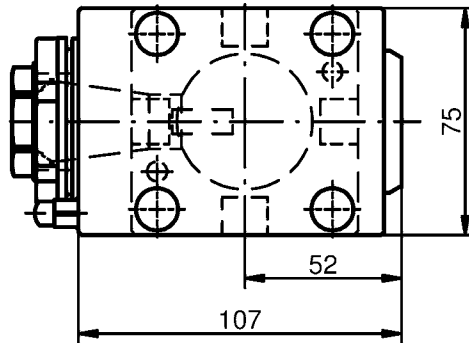
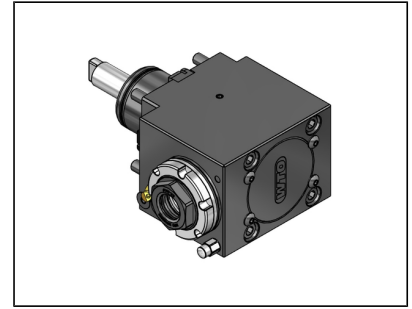


320025xxx
ER-25QF collet chuck adapter

SYIL L2 (BMT45)

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
420525015-45	ER-25 QF	1-16	35	6,000	1:1

Accessories
 (not included)



0067725000
 One-hand wrench set ER-25QF

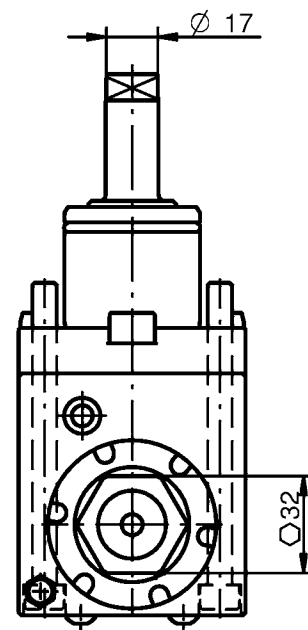
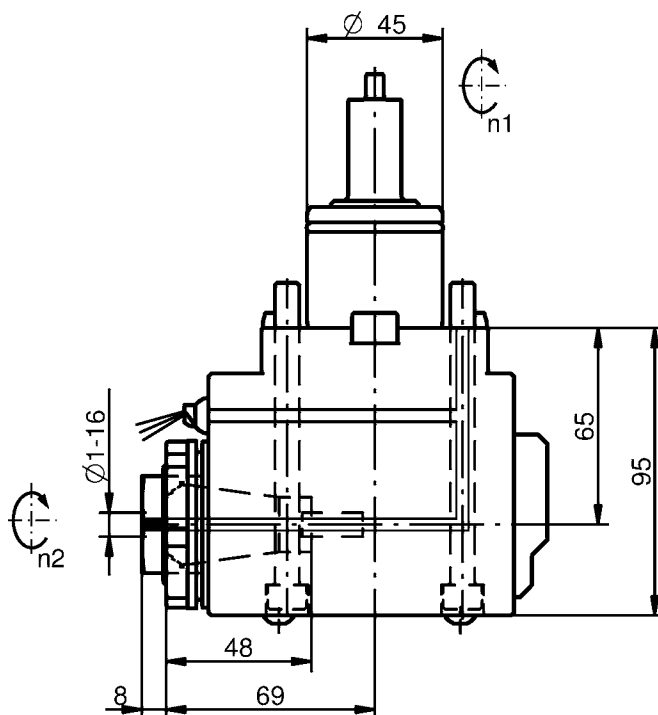
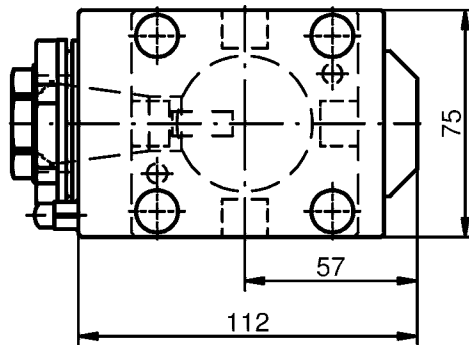
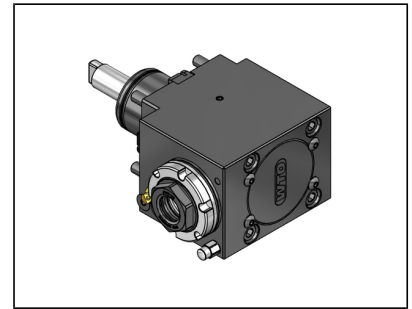


190025xxx
 Collets ER 25



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
420525016-45	ER-25 QF	1-16	35	6,000	1:1

Accessories
(not included)



0067725000
One-hand wrench set ER-25QF



191025xxx
Collets ER 25 sealed, for IC

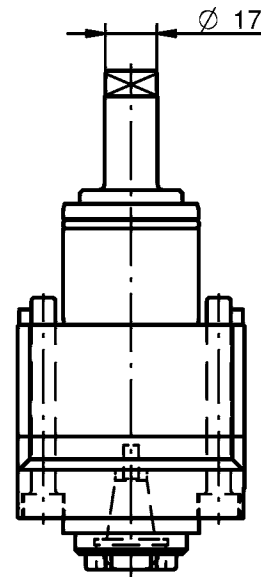
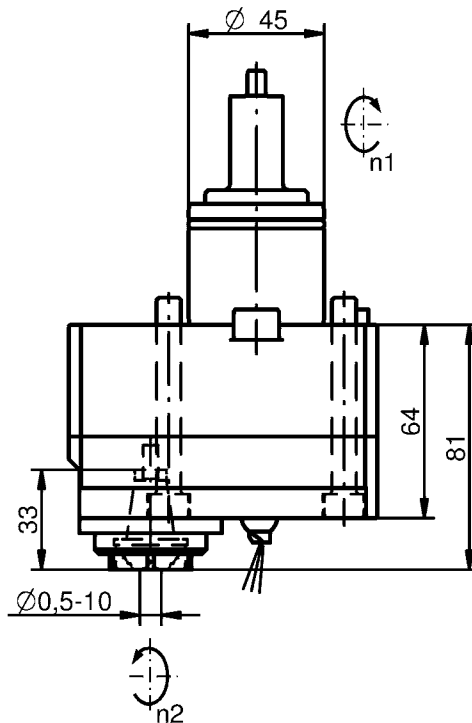
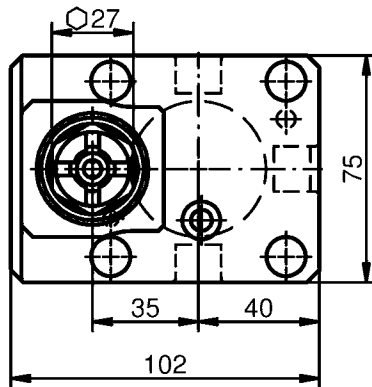
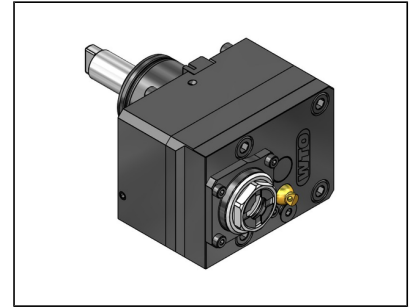


320025xxx
ER-25QF collet chuck adapter

SYIL L2 (BMT45)



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
410110002-45	ER 16	0.5-10	12	12,000	1:2

Accessories
 (not included)

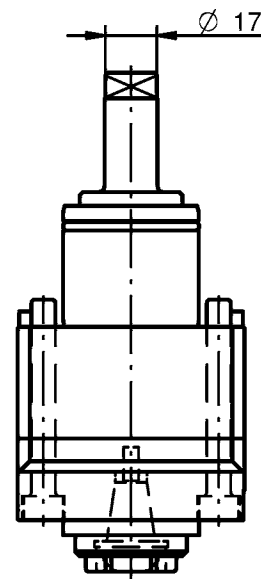
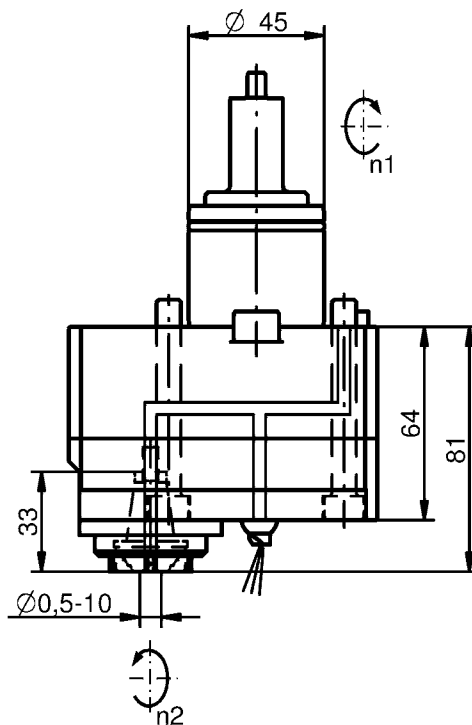
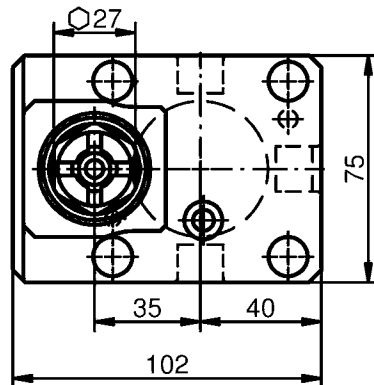
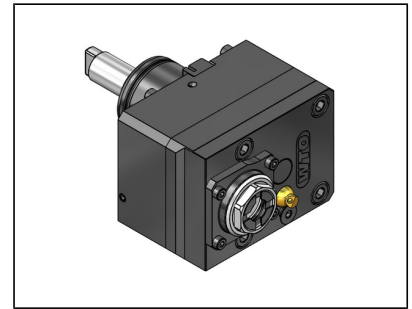


00675000937
 Wrench set



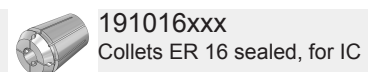
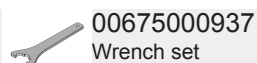
190016xxx
 Collets ER 16

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)
 Consider coolant pressure diagram D01013!
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
410110003-45	ER 16	0.5-10	12	12,000	1:2

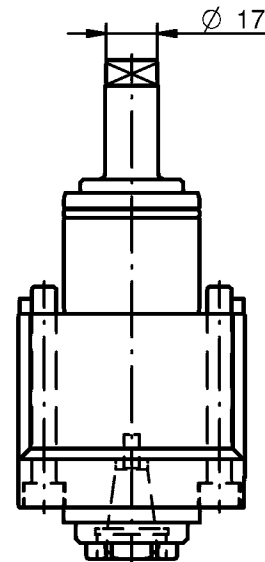
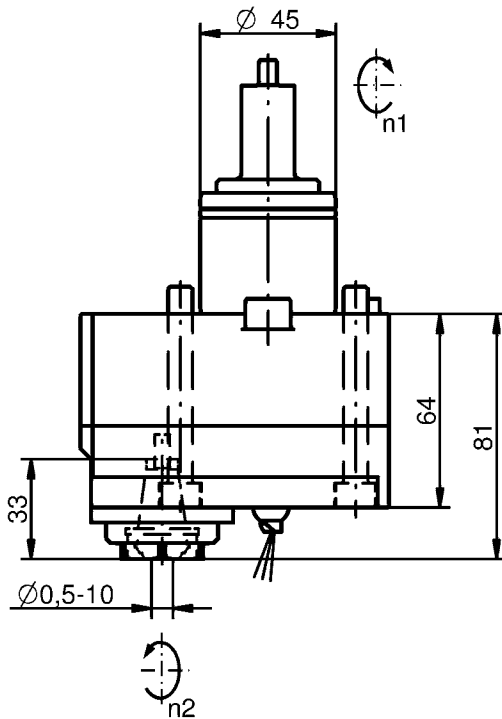
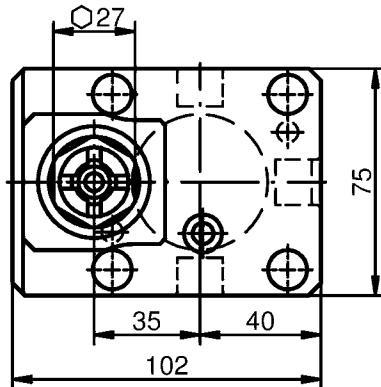
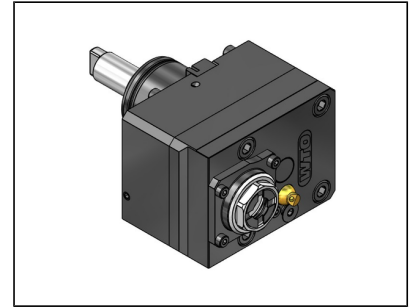
Accessories
(not included)



SYIL L2 (BMT45)



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
410410008-45	ER 16	0.5-10	12	18,000	1:3

Accessories
 (not included)

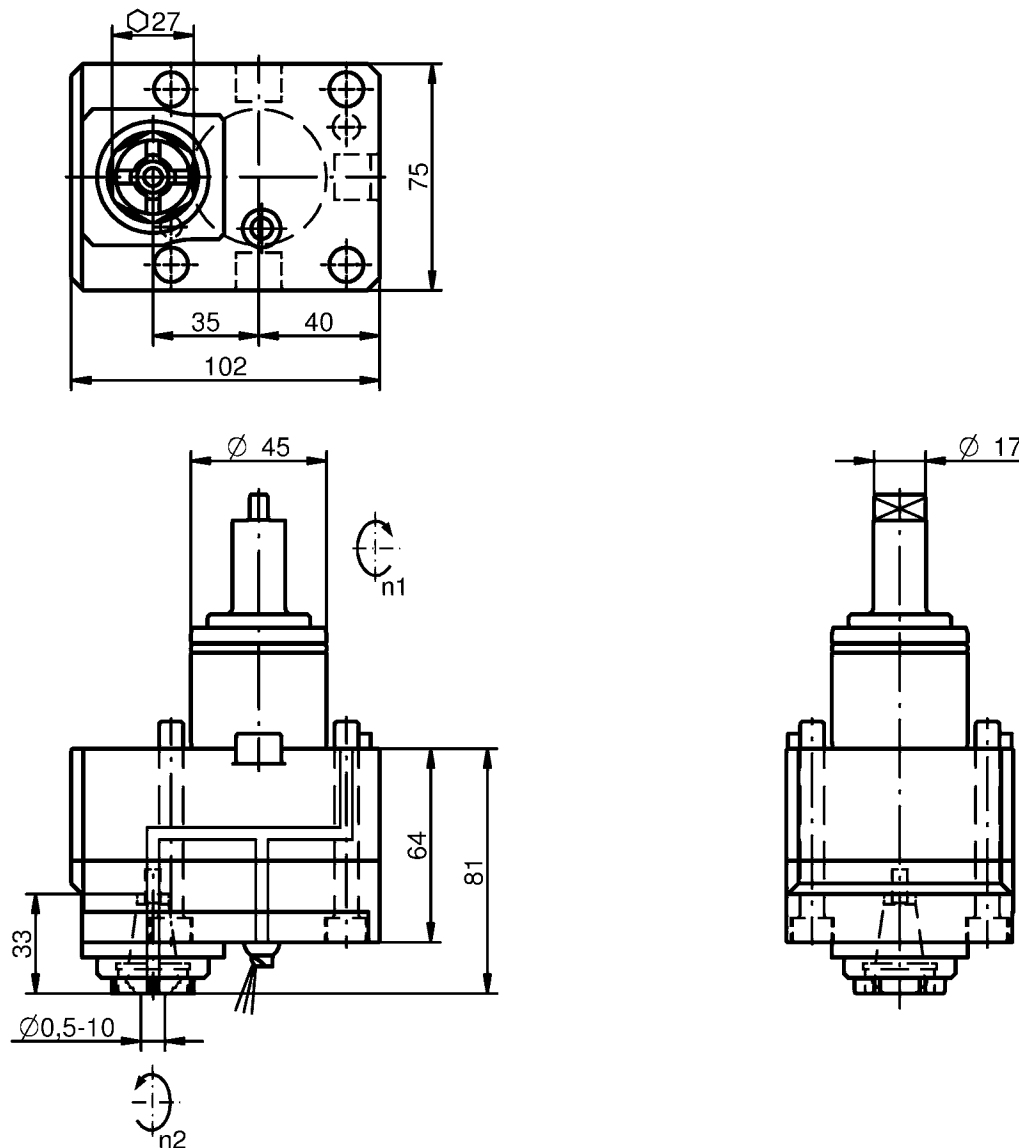
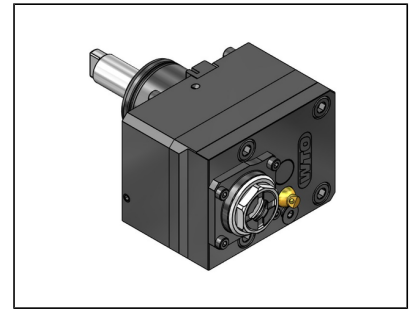


00675000937
 Wrench set



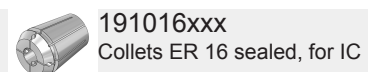
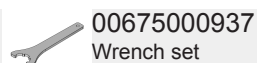
190016xxx
 Collets ER 16

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)
 Consider coolant pressure diagram D01017!
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
410410002-45	ER 16	0.5-10	12	18,000	1:3

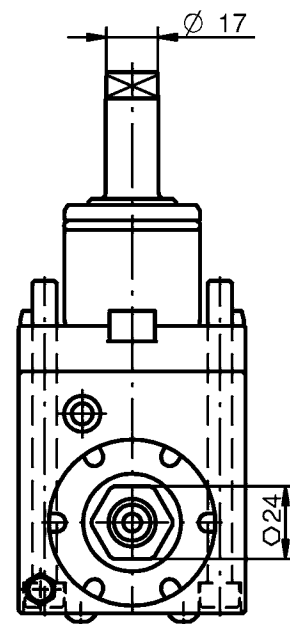
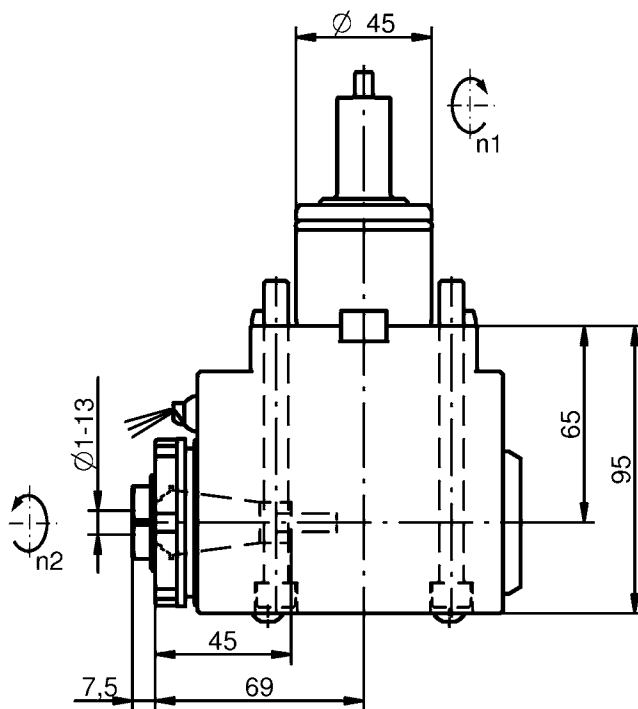
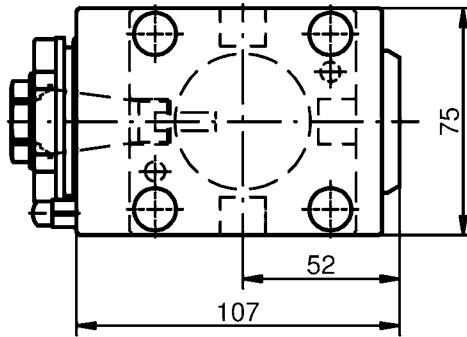
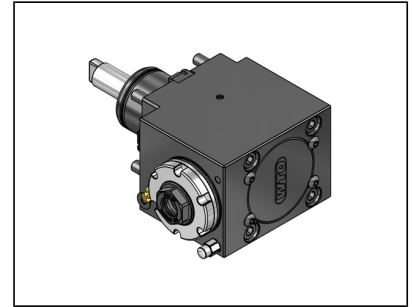
Accessories
(not included)



SYIL L2 (BMT45)



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
420520018-45	ER-20 QF	1-13	20	12,000	1:2

Accessories
 (not included)



0067720001
 One-hand wrench set ER-20QF

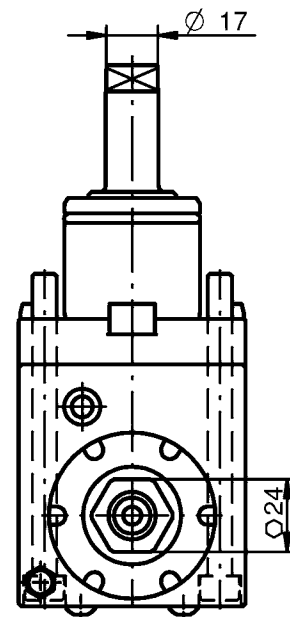
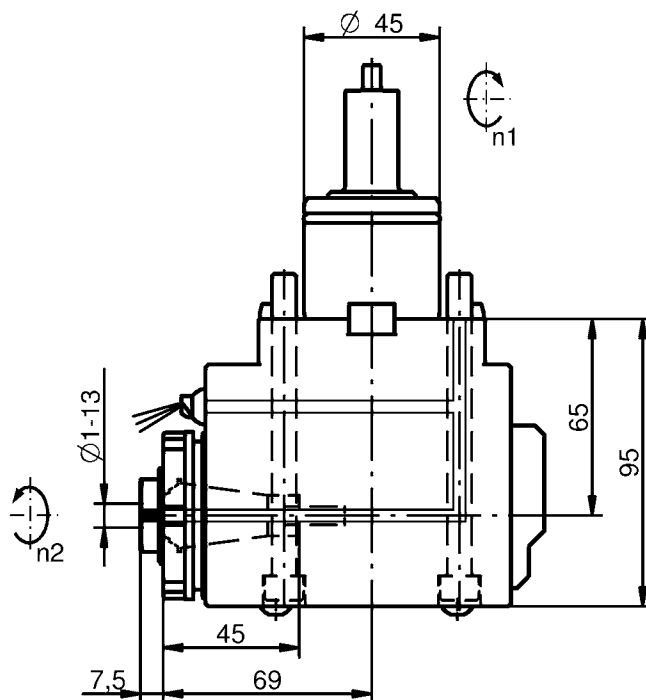
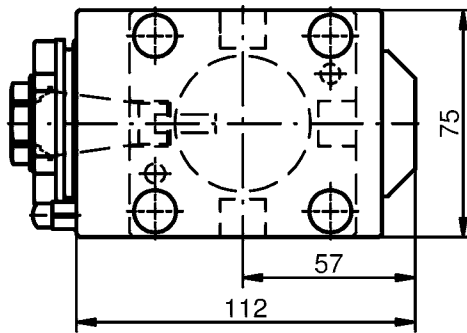
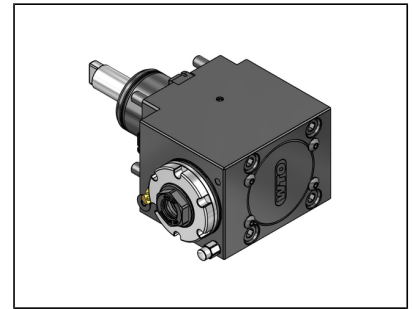


190020xxx
 Collets ER 20



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 = 1160 PSI (80 bar)
 Consider coolant pressure diagram D01013!
 180° reversible



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
420520019-45	ER-20 QF	1-13	20	12,000	1:2

Accessories
 (not included)



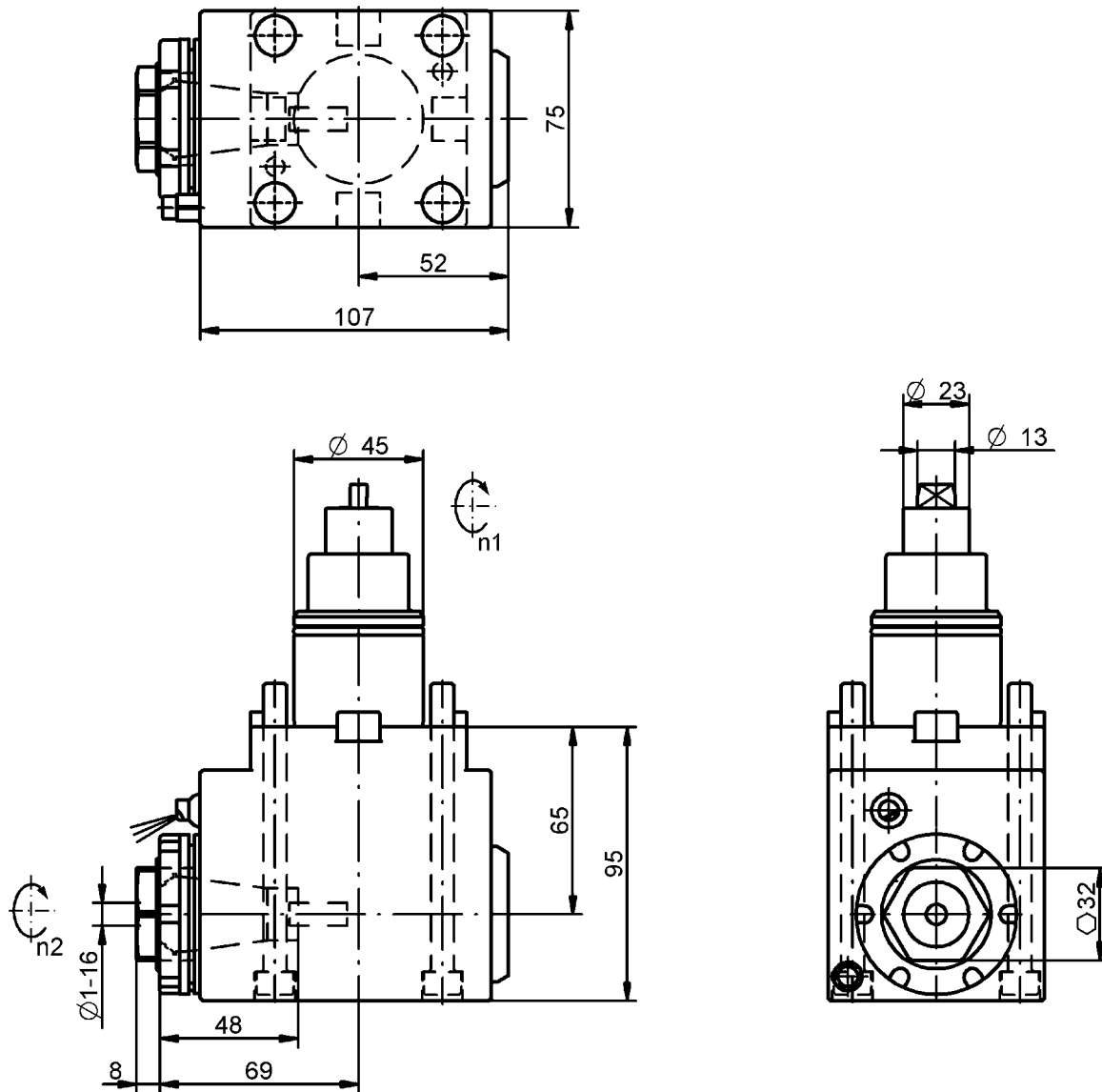
0067720001
 One-hand wrench set ER-
 20QF



329020xxx

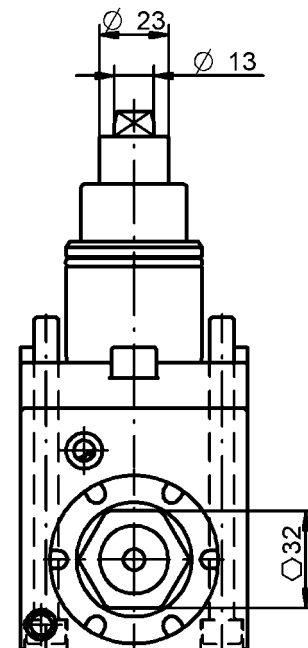
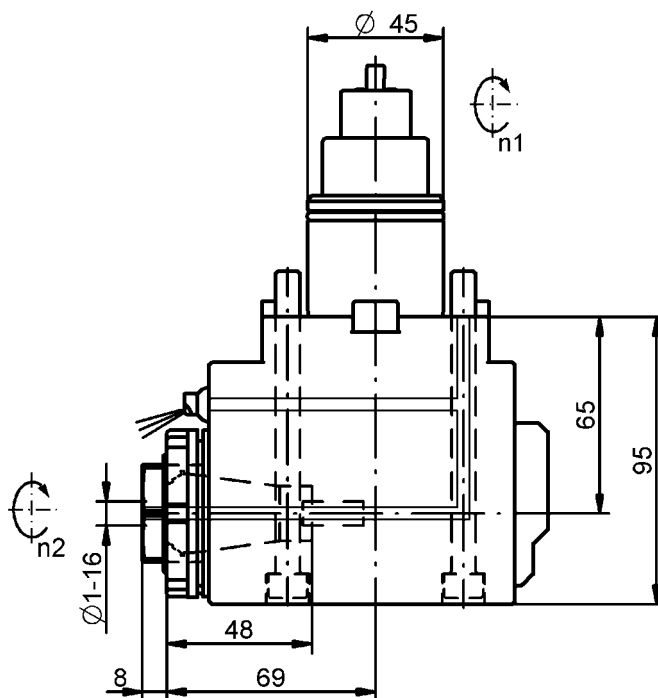
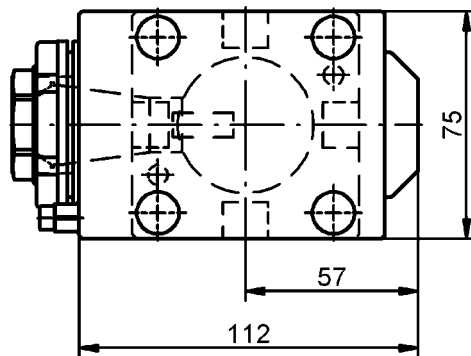
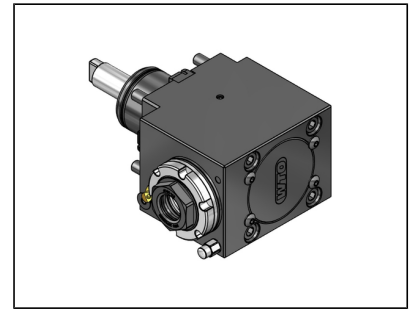


337020xxx



Accessories (not included)	 0067725000 One-hand wrench set ER-25QF	 190025xxx Collets ER 25	 320025xxx ER-25QF collet chuck adapter
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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
420525021-45	ER-25 QF	1-16	50	4,000	2:1

Accessories
(not included)



0067725000
One-hand wrench set ER-25QF

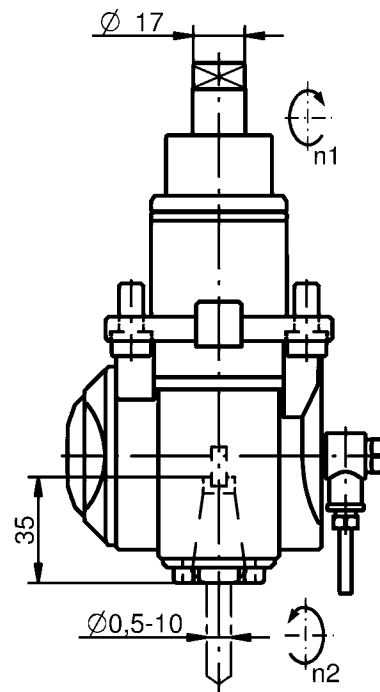
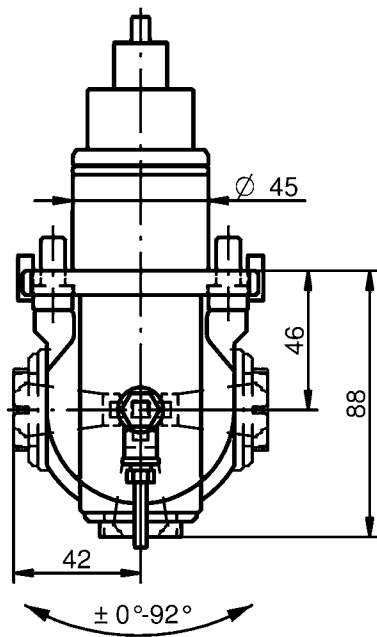
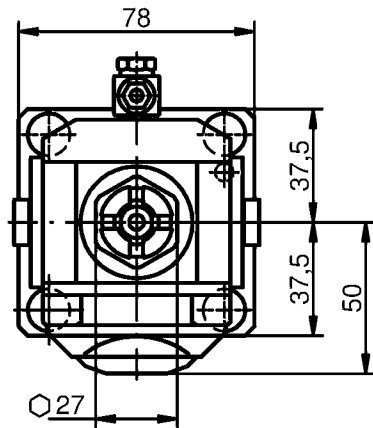
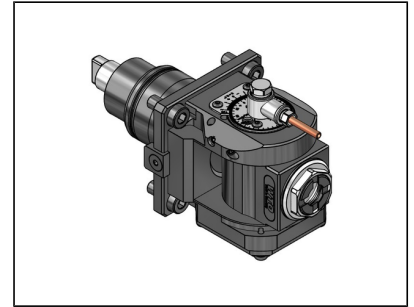


191025xxx
Collets ER 25 sealed, for IC



320025xxx
ER-25QF collet chuck adapter

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



Item No.	Tool Clamping	Tool-Ø	Torque(Nm)	RPM max	Gear ratio
411010008-45	ER 16	0.5-10	16	6,000	1:1

Accessories
(not included)



00675000902
Wrench set



190016xxx
Collets ER 16

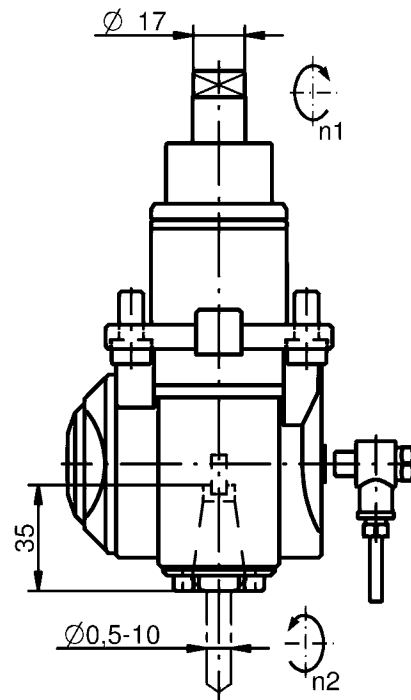
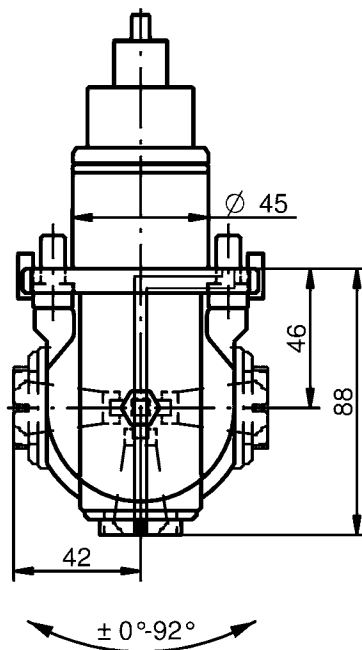
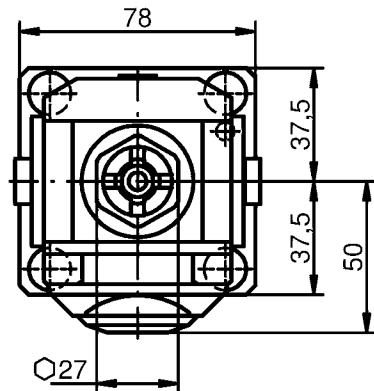
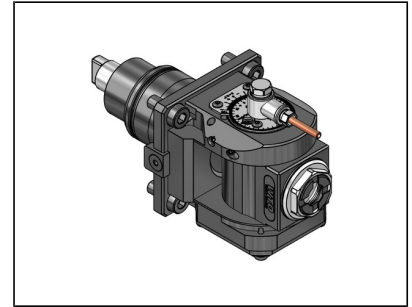
SYIL L2 (BMT45)

WTO

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
411010009-45	ER 16	0.5-10	16	6,000	1:1

Accessories
(not included)



00675000902
Wrench set

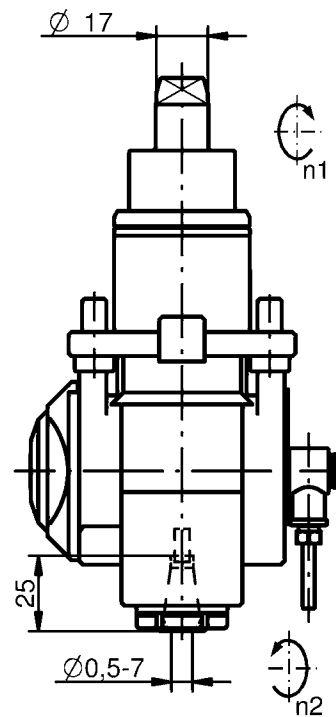
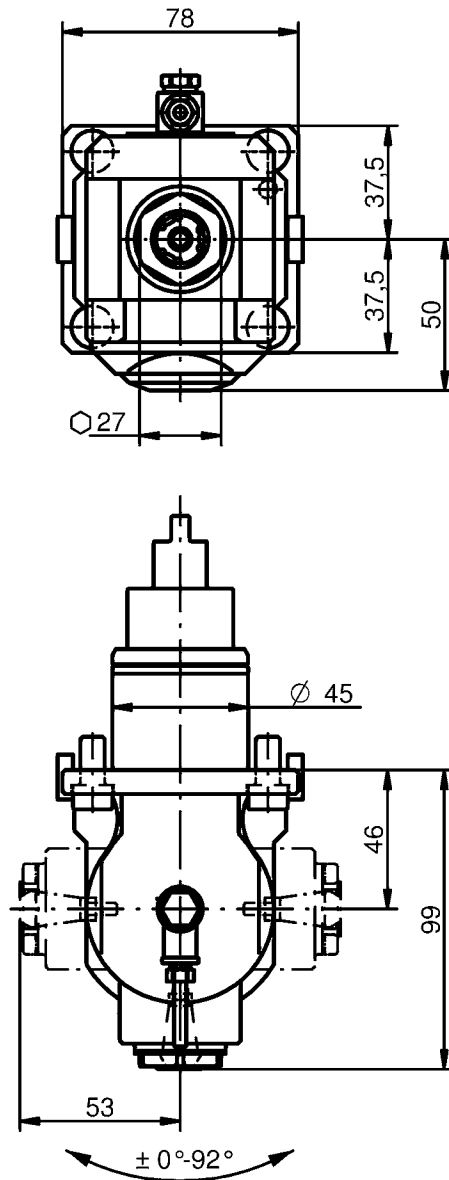
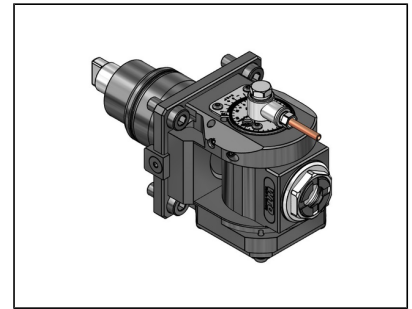


191016xxx
Collets ER 16 sealed, for IC



191116xxx_in
Collets ER 16-DM metallic
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
411007004-45	ER 11	0,5-7	5	12,000	1:2

Accessories
(not included)



00675000999
Wrench set



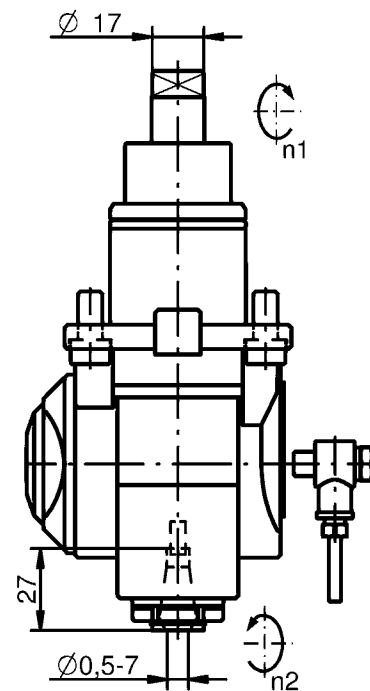
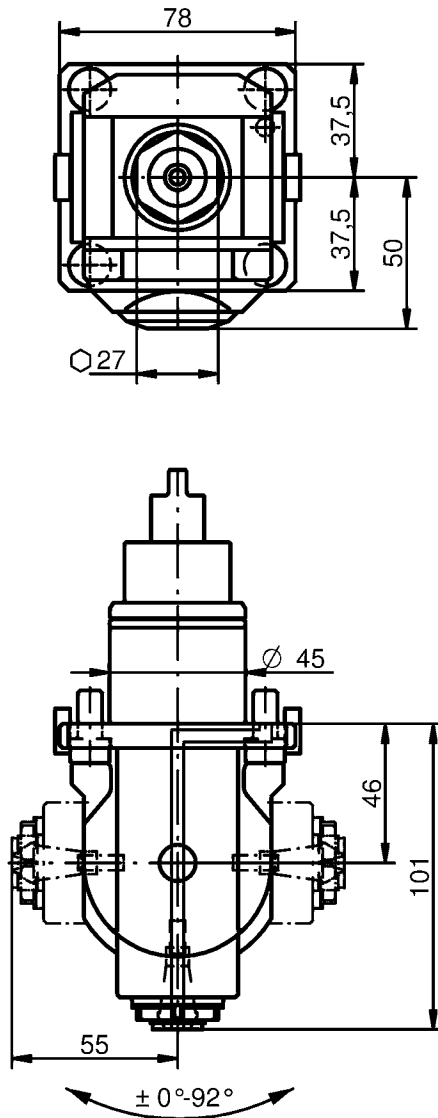
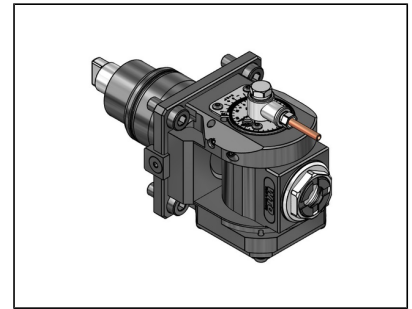
190011xxx
Collets ER 11

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
411007005-45	ER 11	0,5-7	5	12,000	1:2

Accessories
(not included)



00675000914
Wrench set



191011xxx
Collets ER 11
sealed, for IC

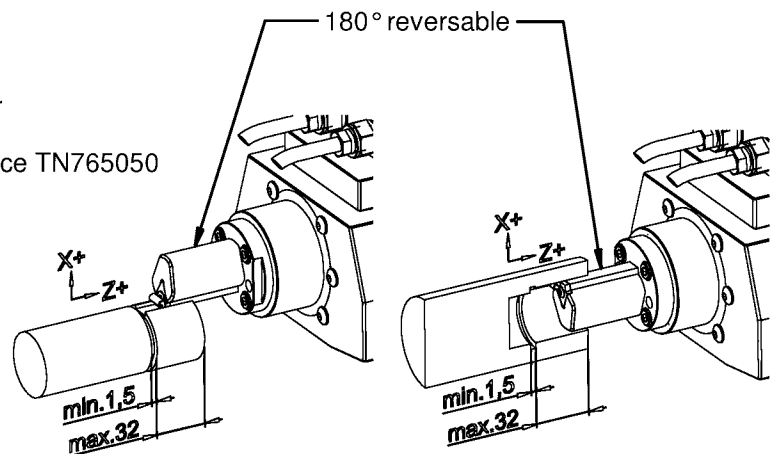
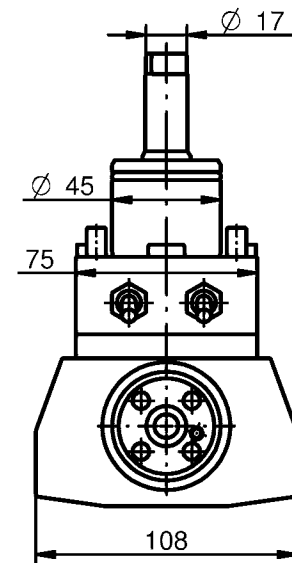
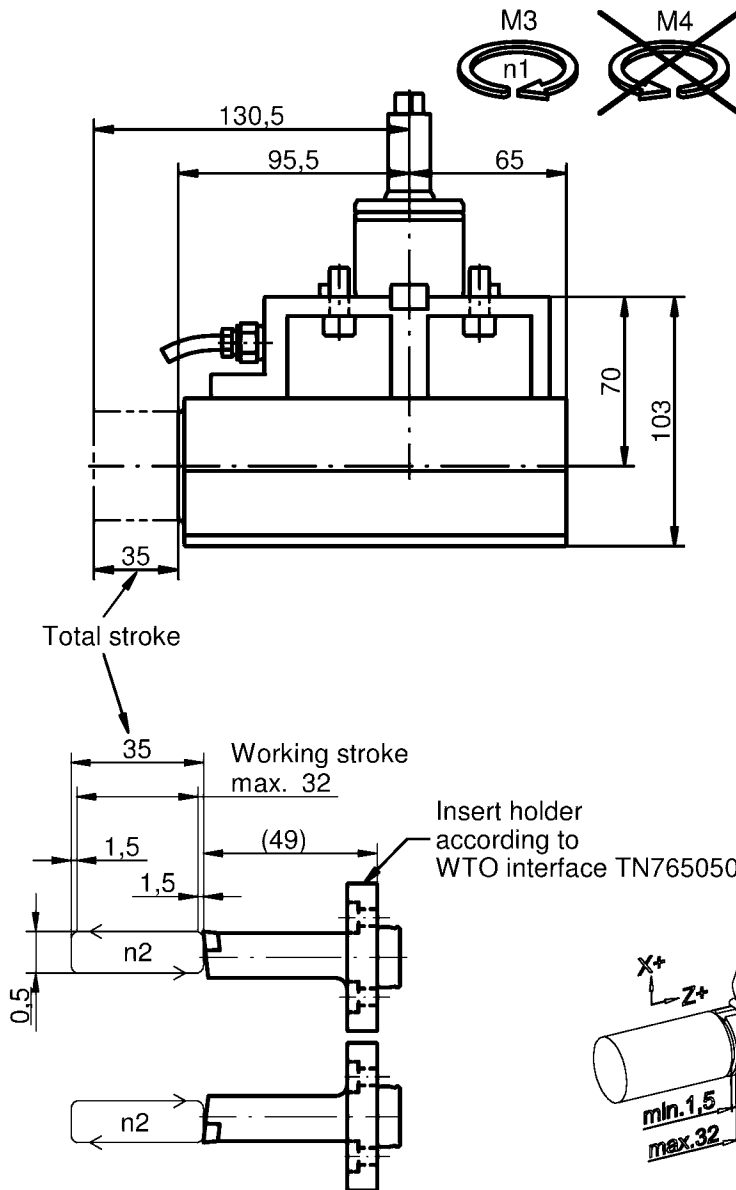
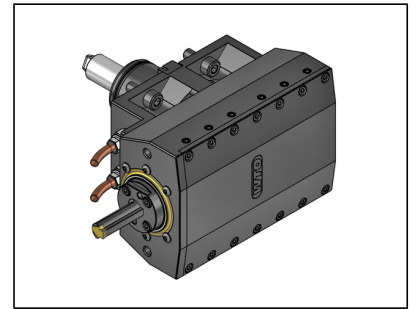


191111xxx_in
Collets ER 11-DM metallic
sealed, for IC

SYIL L2 (BMT45)



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
414532005-45	Type 32	25	1,000	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 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 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 11-in**

191111013-in	ø 0.125
191111019-in	ø 0.188
191111025-in	ø 0.25

**ER 16-in**

191116001-in	ø 0.375-0.125
191116013-in	ø 0.125
191116019-in	ø 0.188
191116025-in	ø 0.25
191116031-in	ø 0.313
191116038-in	ø 0.375

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
