WTO
Higher Productivity

QuickFlex®

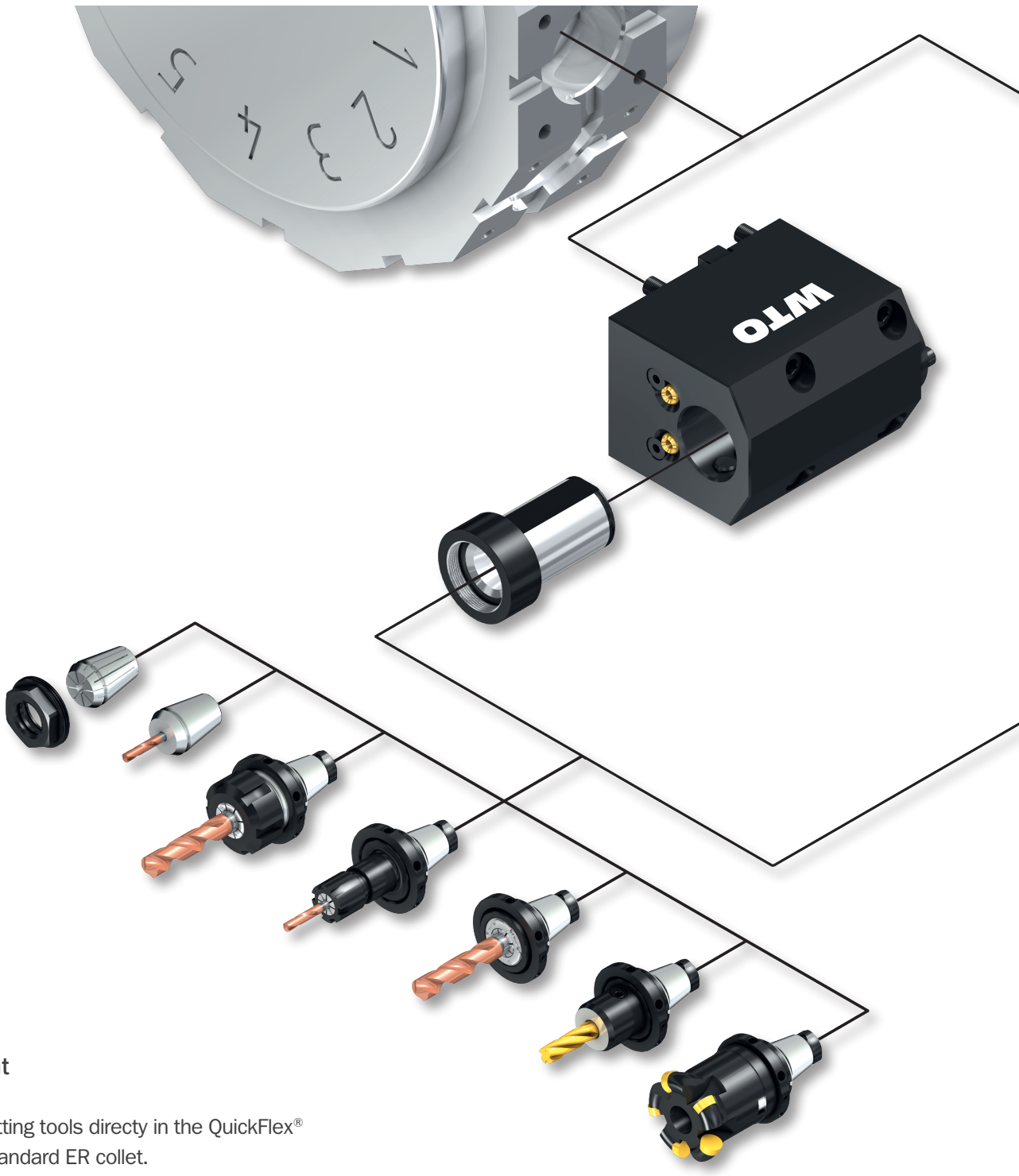
The new quick change system for
high performance and precision.

Minimal investment, maximal expandability.

Designed
for
BMT Turrets

QuickFlex®

Minimal investment, maximal expandability.



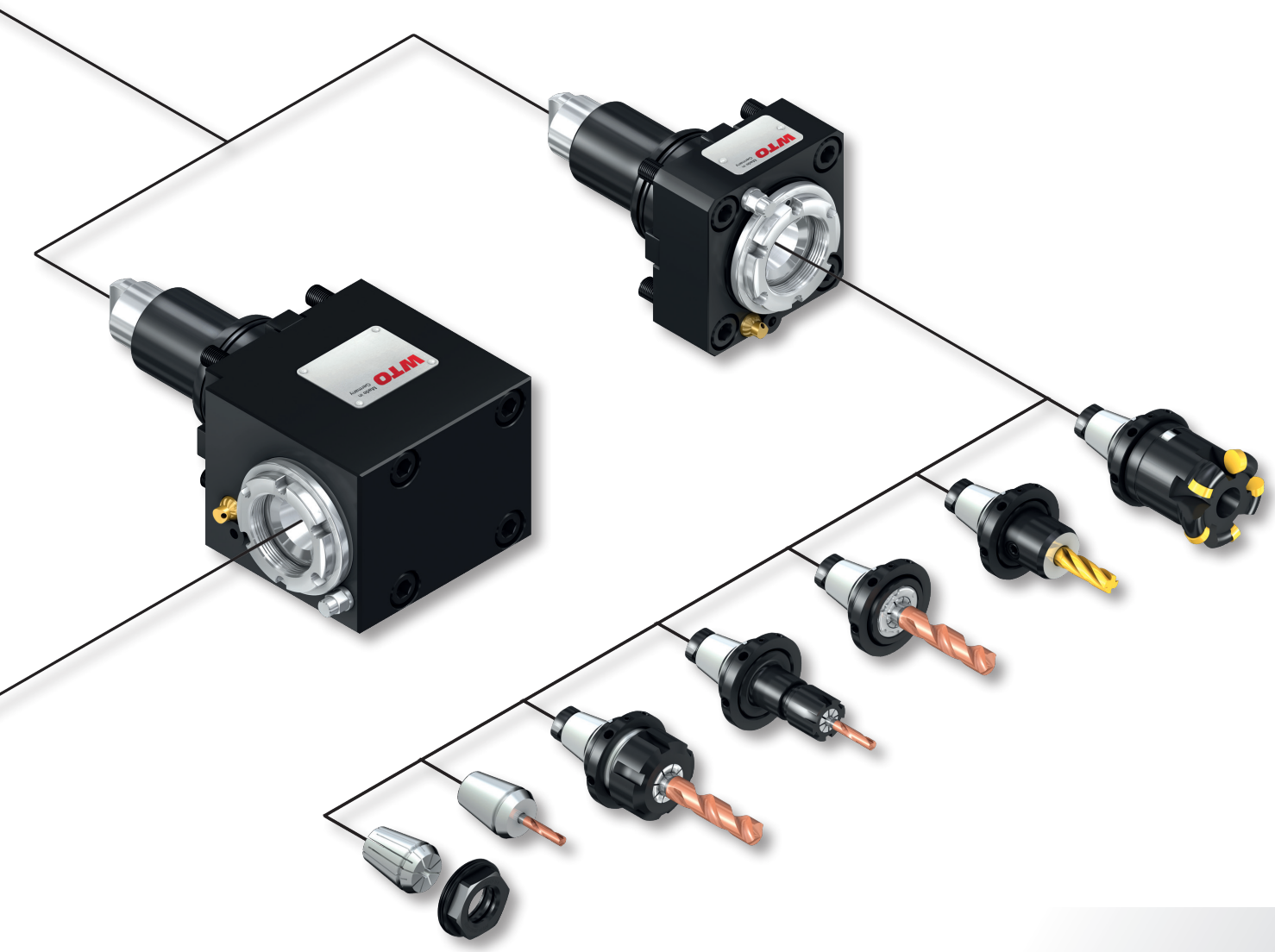
Minimal investment

Simply clamp the cutting tools directy in the QuickFlex® toolholder using a standard ER collet.

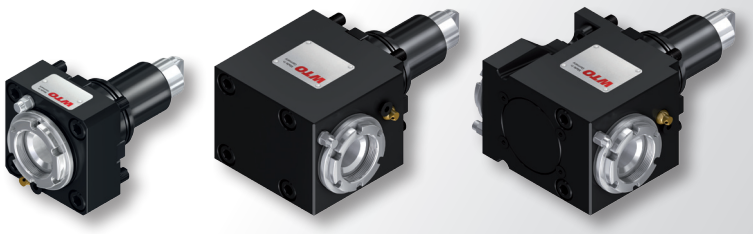
Maximal expandability

Buy QuickFlex® adapters any time to add the quick change function for reducing tool change time.

For turning centers with BMT turrets exists a comprehensive QuickFlex® program with adapters for all popular tool clamping systems.



QuickFlex® precision toolholders for highest performance and precision of your turning center.

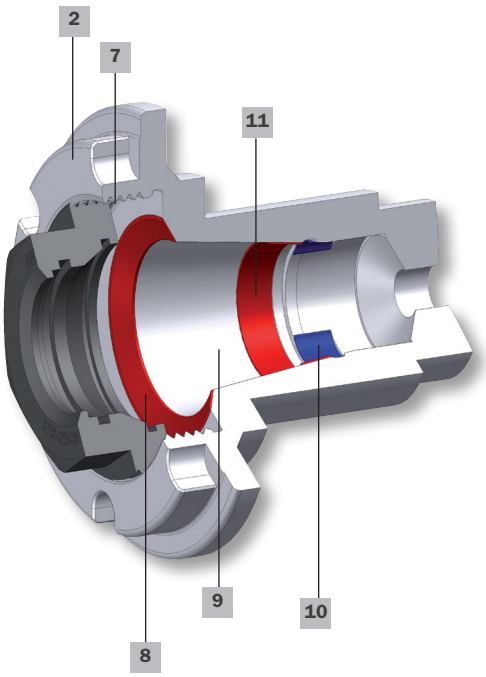


© WTO GmbH I Subject to change without notice

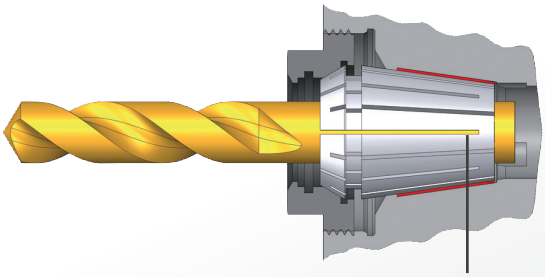
QuickFlex®

The perfect combination: ER collet chuck and quick change system in one toolholder.

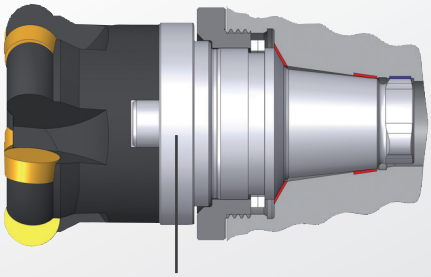
1 – Toolholder
2 – QuickFlex® chuck
3 – Collet
4 – Collet nut
5 – QuickFlex® adapter
6 – One-hand wrench (patent-registered)
7 – Thread for QuickFlex® adapter and collet nut
8 – Short taper for radial centering and axial support of the QuickFlex® adapter
9 – Taper of the ER collet chuck
10 – Polygonal torque transmission for QuickFlex® adapter
11 – Radial bending support of the QuickFlex® adapter for high stiffness under load



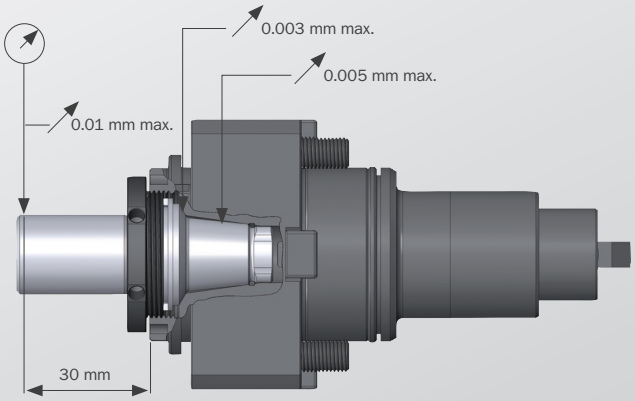
Permanent accuracy of the run-out is guaranteed by two independent taper connections.



With ER collet



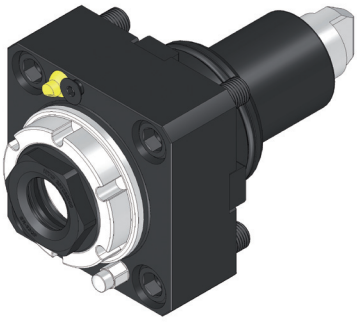
With QuickFlex® mill arbor adapter

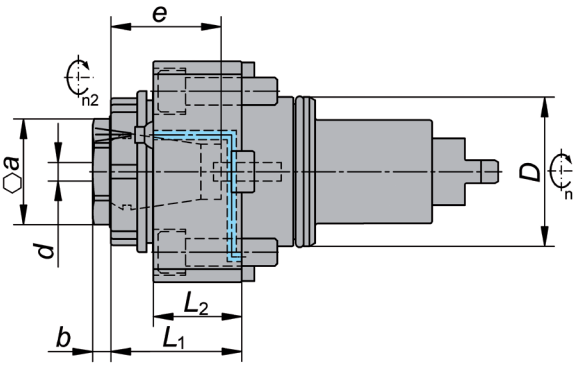


Quick and safe tool change with the new and one-hand wrench (patent-registered).

© WTO GmbH I Subject to change without notice

Straight drill/milling unit



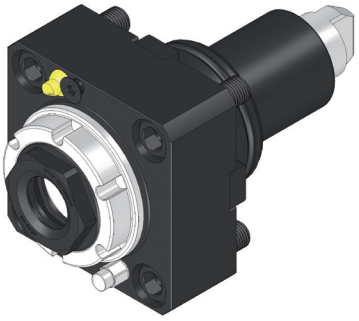


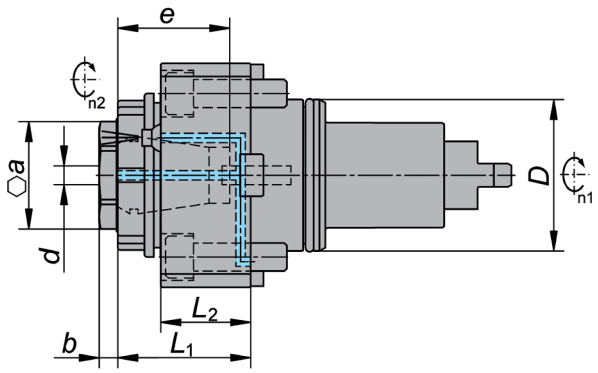
4201... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification		Clamping system					Dimensions/Data						One-hand wrench	Spanner wrench
	Ø D	Interface	Size	d min.	d max.	e	a	L_1	L_2	b	max. RPM	M Nm	Ratio n1:n2	1077...	1075...
420125015-45	45	BMT 45P	ER-25QF	1	16	40	32	47	33	8	6000	35	1:1	...25000	...25020
420125015-55	55	BMT 55P	ER-25QF	1	16	44	32	48	35	8	6000	50	1:1	...25000	...25020
420132015-65	65	BMT 65P	ER-32QF	2	20	48	41	57	38,5	8	5000	80	1:1	...32000	...32020
420140015-75	75	BMT 75P	ER-40QF	3	26	56	Ø59	70	49	9	4000	150	1:1	...40000	...40020
420150015-85	85	BMT 85P	ER-50QF	4	34	74	Ø64	90	62	17	3000	210	1:1	...50000	...50020

Dimensions in mm





4201... (IC) with internal + external coolant supply

Max. coolant pressure = 80 bar (1160 PSI)

Order wrenches separately!

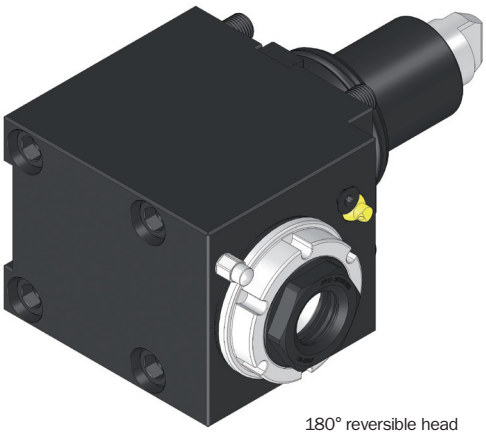
Item No.	Turret specification		Clamping system					Dimensions/Data						One-hand wrench	Spanner wrench
	Ø D	Interface	Size	d min.	d max.	e	a	L_1	L_2	b	max. RPM	M Nm	Ratio n1:n2	1077...	1075...
420125016-45	45	BMT 45P	ER-25QF	1	16	40	32	47	33	8	6000	35	1:1	...25000	...25020
420125016-55	55	BMT 55P	ER-25QF	1	16	44	32	48	35	8	6000	50	1:1	...25000	...25020
420132016-65	65	BMT 65P	ER-32QF	2	20	48	41	57	38,5	8	5000	80	1:1	...32000	...32020
420140016-75	75	BMT 75P	ER-40QF	3	26	56	Ø59	70	49	9	4000	150	1:1	...40000	...40020
420150016-85	85	BMT 85P	ER-50QF	4	34	74	Ø64	90	62	17	3000	210	1:1	...50000	...50020

Dimensions in mm

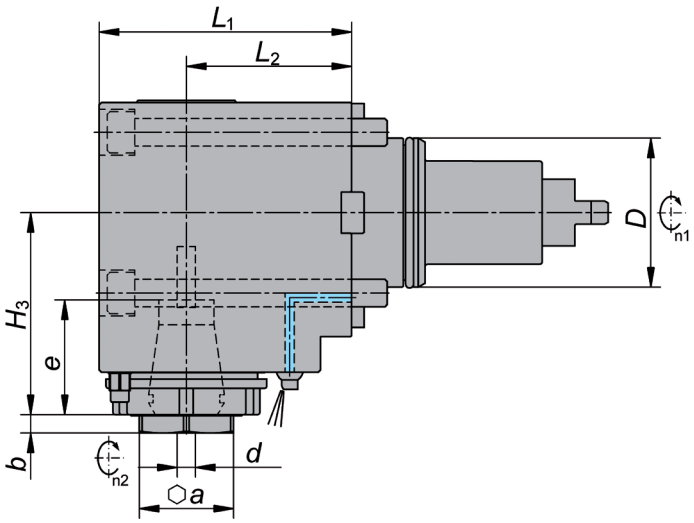
Only use filtered coolant fluid (max. particle size = 100 µm). Do not run without coolant.
Do not use for machining abrasive materials such as cast iron, etc.

© WTO GmbH I Subject to change without notice

Right angle drill/milling unit



180° reversible head

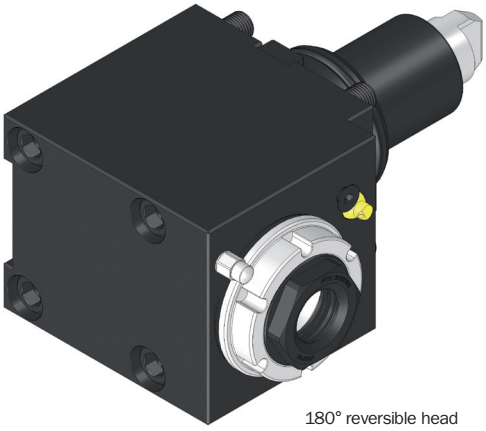


4205... (EC) with external coolant supply

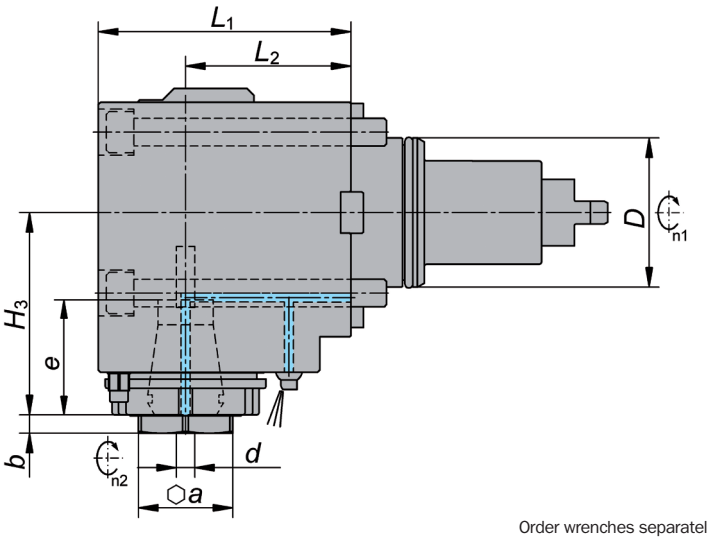
Order wrenches separately!

Item No.	Turret specification		Clamping system					Dimensions/Data							One-hand wrench	Spanner wrench
	Ø D	Interface	Size	d min.	d max.	e	a	L_1	L_2	H_3	b	max. RPM	M Nm	Ratio n1:n2	1077...	1075...
420525015-45	45	BMT 45P	ER-25QF	1	16	48	32	95	65	69	8	6000	35	1:1	...25000	...25020
420525015-55	55	BMT 55P	ER-25QF	1	16	48	32	104	70	74	8	6000	50	1:1	...25000	...25020
420525018-55	55	BMT 55P	ER-25QF	1	16	48	32	119	85	74	8	6000	50	1:1	...25000	...25020
420532015-65	65	BMT 65P	ER-32QF	2	20	50	41	110	72	88	8	5000	80	1:1	...32000	...32020
420532018-65	65	BMT 65P	ER-32QF	2	20	50	41	138	100	88	8	5000	80	1:1	...32000	...32020
420540015-75	75	BMT 75P	ER-40QF	3	26	56	Ø59	106	60	97	9	4000	150	1:1	...40000	...40020
420550015-85	85	BMT 85P	ER-50QF	4	34	74	Ø64	141	85	125	17	3000	210	1:1	...50000	...50020

Dimensions in mm



180° reversible head



4205... (IC) with internal + external coolant supply

Max. coolant pressure = 80 bar (1160 PSI)

Order wrenches separately!

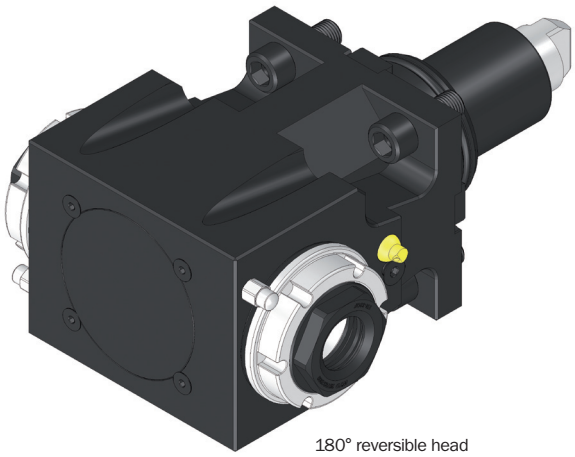
Item No.	Turret specification		Clamping system					Dimensions/Data							One-hand wrench	Spanner wrench
	Ø D	Interface	Size	d min.	d max.	e	a	L_1	L_2	H_3	b	max. RPM	M Nm	Ratio n1:n2	1077...	1075...
420525016-45	45	BMT 45P	ER-25QF	1	16	48	32	95	65	69	8	6000	35	1:1	...25000	...25020
420525016-55	55	BMT 55P	ER-25QF	1	16	48	32	104	70	74	8	6000	50	1:1	...25000	...25020
420525019-55	55	BMT 55P	ER-25QF	1	16	48	32	119	85	74	8	6000	50	1:1	...25000	...25020
420532016-65	65	BMT 65P	ER-32QF	2	20	50	41	110	72	88	8	5000	80	1:1	...32000	...32020
420532019-65	65	BMT 65P	ER-32QF	2	20	50	41	138	100	88	8	5000	80	1:1	...32000	...32020
420540016-75	75	BMT 75P	ER-40QF	3	26	56	Ø59	106	60	97	9	4000	150	1:1	...40000	...40020
420550016-85	85	BMT 85P	ER-50QF	4	34	74	Ø64	141	85	125	17	3000	210	1:1	...50000	...50020

Dimensions in mm

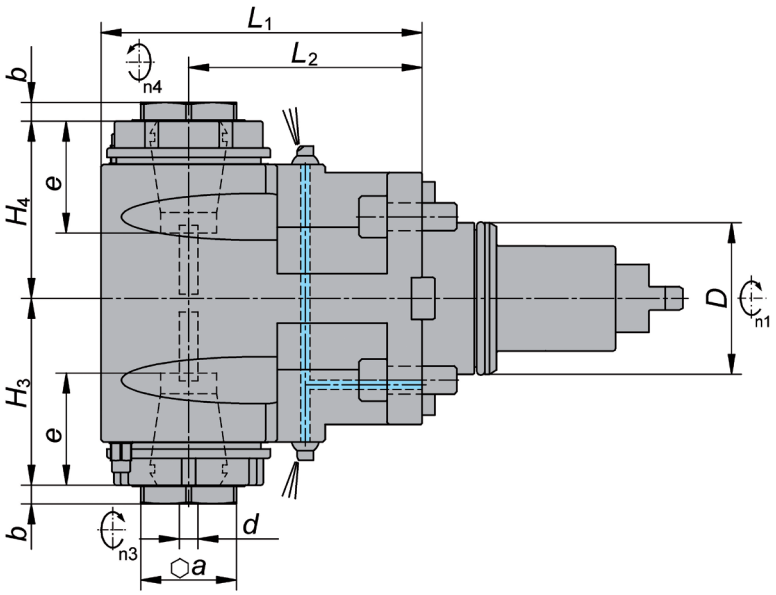
Only use filtered coolant fluid (max. particle size = 100 µm). Do not run without coolant.
Do not use for machining abrasive materials such as cast iron, etc.

© WTO GmbH I Subject to change without notice

Right angle drill/milling unit, both sides



180° reversible head



4205... (EC) with external coolant supply

Order wrenches separately!

Item No.	Turret specification		Clamping system					Dimensions/Data								One-hand wrench	Spanner wrench
	Ø D	Interface	Size	d max.	d min.	e	a	L_1	L_2	H_3	H_4	b	max. RPM	M Nm	Ratio n1:n2	1077...	1075...
420525017-45	45	BMT 45P	ER-25QF	1	16	48	32	95	65	74	69	8	6000	35	1:1	...25000	...25020
420525017-55	55	BMT 55P	ER-25QF	1	16	48	32	104	70	74	69	8	6000	50	1:1	...25000	...25020
420525020-55	55	BMT 55P	ER-25QF	1	16	48	32	119	85	74	69	8	6000	50	1:1	...25000	...25020
420532020-65	65	BMT 65P	ER-32QF	2	20	48	41	137,5	100	80	76	8	5000	80	1:1	...32000	...32020

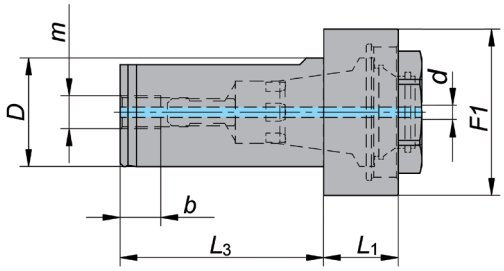
Dimensions in mm

© WTO GmbH I Subject to change without notice

Cylindrical shank holder

with cylindrical shank and flat.

For flexible use of QuickFlex® adapters in boring bar holders.



Size	Item No.	D	d min.	d max.	L3	F1	L1		m	b
ER-25QF	330025032	32	1	16	60	49	22	107525020	G⅛"	12
ER-32QF	330032040	40	2	20	70	58	22	107532020	G¼"	15
ER-40QF	330040050	50	3	26	80	71	22	107540020	G⅜"	19

Dimensions in mm

© WTO GmbH I Subject to change without notice

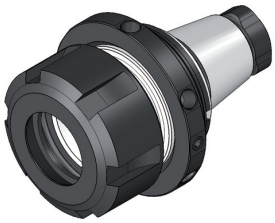
Starter set

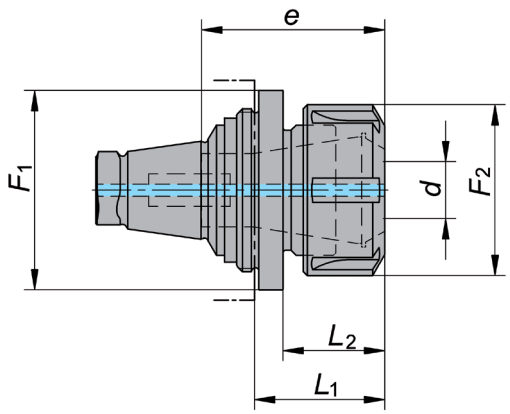
Size	Item No.	One-hand wrench	Spanner wrench for QuickFlex® adapter	Weldon/Whistle-Notch adapter	Short combination mill adapter	Collet chuck	Spanner wrench
ER-20QF	007020000	107720000	107520020	Ø 12 mm	Ø 16 mm	ER 20	107520000
ER-25QF	007025000	107725000	107525020	Ø 16 mm	Ø 16 mm	ER 25	107525000
ER-32QF	007032000	107732000	107532020	Ø 20 mm	Ø 22 mm	ER 32	107532000
ER-40QF	007040000	107740000	107540020	Ø 25 mm	Ø 27 mm	ER 40	107540000
ER-50QF	007050000	107750000	107550020	Ø 25 mm	Ø 27 mm	ER 40	107540000

Dimensions in mm

Collet chuck adapter

DIN 6499, ISO 15488





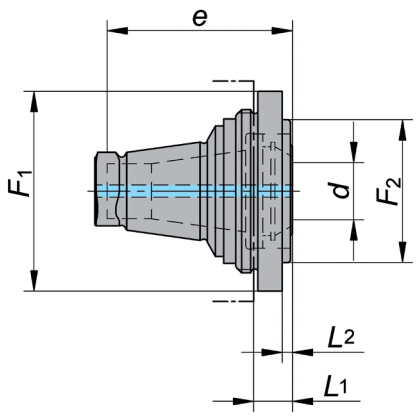
Size	Item No.	F_1	d min.	d max.	F_2	e	L_2	L_1	Nm	Collet size		
ER-20QF	320020010	36	0.5	10	28	40	23	29	56	ER 16	200016000	107516000
	320020013	36	1	13	34	45	24	30	80	ER 20	200020000	107520000
ER-25QF	320025010	49	0.5	10	28	40	23	30	56	ER 16	200016000	107516000
	320025013	49	1	13	34	45	24	31	80	ER 20	200020000	107520000
	320025016	49	1	16	42	48	25	32	104	ER 25	200025000	107525000
ER-32QF	320032013	58	1	13	34	45	24	31	80	ER 20	200020000	107520000
	320032016	58	1	16	42	48	25	32	104	ER 25	200025000	107525000
	320032020	58	2	20	50	50	28	35	136	ER 32	200032000	107532000
ER-40QF	320040016	71	1	16	42	48	25	33	104	ER 25	200025000	107525000
	320040020	71	2	20	50	50	28	36	136	ER 32	200032000	107532000
	320040026	71	3	26	63	55	35	43	176	ER 40	200040000	107540000
ER-50QF	320050020	82	2	20	50	50	28	37	136	ER 32	200032000	107532000
	320050026	82	3	26	63	55	35	44	176	ER 40	200040000	107540000

Dimensions in mm

© WTO GmbH I Subject to change without notice

Collet chuck adapter – short

DIN 6499, ISO 15488

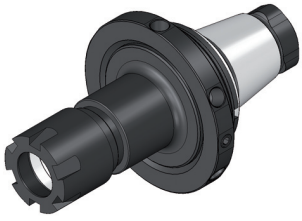


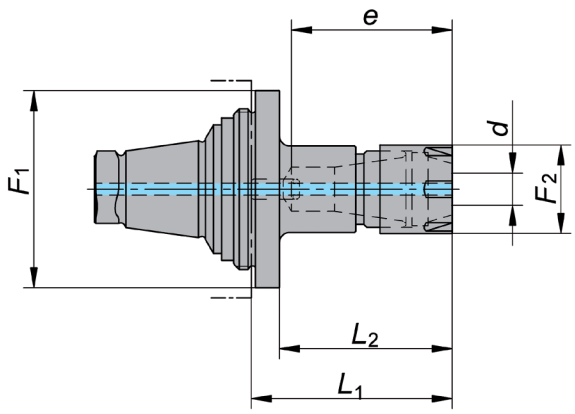
Size	Item No.	F_1	d min.	d max.	F_2	e	L_2	L_1	Nm	Collet size		
ER-20QF	320020007-09	36	0.5	7	–	36	–	6	40	ER 11	200111001	107511101
ER-25QF	320025010-07	49	0.5	10	–	40	–	7	60	ER 16	200116001	107516101
	320025013-09	49	1	13	35	45	2	9	75	ER 20	200120001	107520101
ER-32QF	320032013-07	58	1	13	–	45	–	7	75	ER 20	200120001	107520101
	320032016-07	58	1	16	–	48	–	7	100	ER 25	200125001	107525101
ER-40QF	320040016-08	71	1	16	–	48	–	8	100	ER 25	200125001	107525101
	320040020-08	71	2	20	–	50	–	8	130	ER 32	200132001	107532101
ER-50QF	320050020-09	82	2	20	–	50	–	9	130	ER 32	200132001	107532101
	320050026-09	82	3	26	–	56	–	9	150	ER 40	200140001	107540101

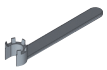
Dimensions in mm

Collet chuck adapter – extended

DIN 6499, ISO 15488





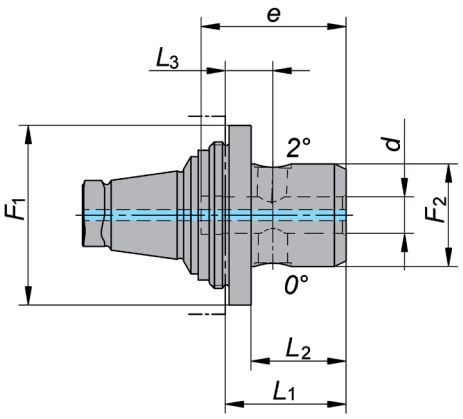
Size	Item No.	F_1	d min.	d max.	F_2	e	L_2	L_1	Nm	Collet size		
ER-20QF	320020007-40	36	0.5	7	16	36	34	40	16	ER 11	200511000	107511005
ER-25QF	320025007-40	49	0.5	7	16	36	33	40	16	ER 11	200511000	107511005
	320025010-50	49	0.5	10	22	40	43	50	24	ER 16	200516000	107516005
ER-32QF	320032007-50	58	0.5	7	16	36	43	50	16	ER 11	200511000	107511005
	320032010-60	58	0.5	10	22	40	53	60	24	ER 16	200516000	107516005
ER-40QF	320040010-60	71	0.5	10	22	40	52	60	24	ER 16	200516000	107516005
	320040016-60	71	1	16	35	48	52	60	32	ER 25	200525000	107525005

Dimensions in mm

© WTO GmbH I Subject to change without notice

Weldon/Whistle Notch adapter

for tool shanks according to DIN 6535-HB and -HE



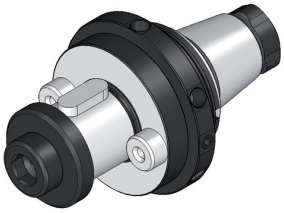
Size	Item No.	F1	d	F2	L3	e	L2	L1		
ER-20QF	320120006	36	6	19	10	36	22	28	12882	26071
	320120008	36	8	21	11	36	23	29	12927	26072
	320120010	36	10	28	12	40	26	32	12992	26073
	320120012	36	12	34	14.5	45	31	37	13061	26074
	320120014	36	14	36	15.5	45	32	38	13061	26074
ER-25QF	320125006	49	6	19	11	36	22	29	12882	26071
	320125008	49	8	21	12	36	23	30	12927	26072
	320125010	49	10	28	13	40	26	33	12992	26073
	320125012	49	12	34	13.5	45	29	36	13061	26074
	320125014	49	14	36	13.5	45	29	36	13061	26074
	320125016	49	16	38	16	49	33	40	30944	26075
	320125018	49	18	40	16	49	33	40	30944	26075
	320125020	49	20	45	18	51	36	43	13128	26076
ER-32QF	320132006	58	6	19	11	36	22	29	12882	26071
	320132008	58	8	21	12	36	23	30	12927	26072
	320132010	58	10	28	13	40	26	33	12992	26073
	320132012	58	12	34	13.5	45	29	36	13061	26074
	320132014	58	14	36	13.5	45	29	36	13061	26074
	320132016	58	16	38	16	49	33	40	30944	26075
	320132018	58	18	40	16	49	33	40	30944	26075
	320132020	58	20	45	17	51	35	42	13128	26076
	320132025	58	25	51	22	57	39	46	13128	26076
ER-40QF	320140006	71	6	19	12	36	22	30	12882	26071
	320140008	71	8	21	13	36	23	31	12927	26072
	320140010	71	10	28	14	40	26	34	12992	26073
	320140012	71	12	34	14.5	45	29	37	13061	26074
	320140014	71	14	36	14.5	45	29	37	13061	26074
	320140016	71	16	38	17	49	33	41	30944	26075
	320140018	71	18	40	17	49	33	41	30944	26075
	320140020	71	20	45	18	51	35	43	13128	26076
	320140025	71	25	51	18	57	34	42	13128	26076
ER-50QF	320150006	82	6	19	13	36	22	31	12882	26071
	320150008	82	8	21	14	36	23	32	12927	26072
	320150010	82	10	28	15	40	26	35	12992	26073
	320150012	82	12	34	15.5	45	29	38	13061	26074
	320150014	82	14	36	15.5	45	29	38	13061	26074
	320150016	82	16	38	18	49	33	42	30944	26075
	320150018	82	18	40	18	49	33	42	30944	26075
	320150020	82	20	45	19	51	35	44	13128	26076
	320150025	82	25	51	19	57	34	43	13128	26076
	320150032	82	32	72	23	61	38	47	71255	26077

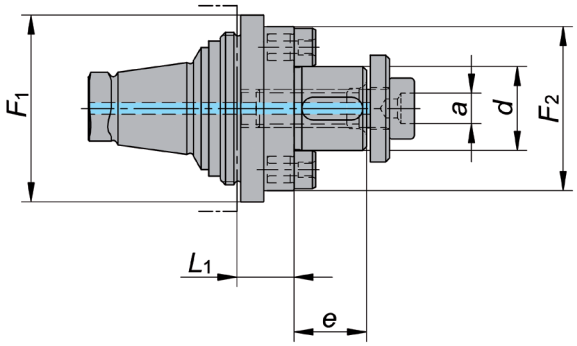
Dimensions in mm

© WTO GmbH I Subject to change without notice

Combination arbor adapter

for side mills, face mills, or disk cutters





Size	Item No.	F1	d	F2	e	L1	a			
ER-20QF	320220016	36	16	35	17	12	6	84130	84903	26075
ER-25QF	320225016	49	16	35	17	8	6	84130	84903	26075
	320225022	49	22	43	19	15	8	84131	84904	26076
	320225027	49	27	50	21	15	10	84132	84905	26077
ER-32QF	320232016	58	16	35	17	8	6	84130	84903	26075
	320232022	58	22	43	19	8	8	84131	84904	26076
	320232027	58	27	50	21	15	10	84132	84905	26077
ER-40QF	320240022	71	22	43	19	9	8	84131	84904	26076
	320240027	71	27	53	21	9	10	84132	84905	26077
	320240032	71	32	63	24	20	14	84133	84906	26078
ER-50QF	320250022	82	22	43	19	10	8	84131	84904	26076
	320250027	82	27	53	21	10	10	84132	84905	26077
	320250032	82	32	61	24	10	14	84133	84906	26078

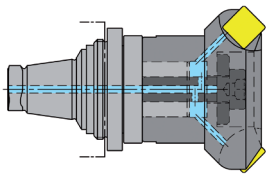
Dimensions in mm

Universal design: key and drivers can be removed.

All adapters are delivered with the standard arbor clamping bolt without hole for coolant supply.

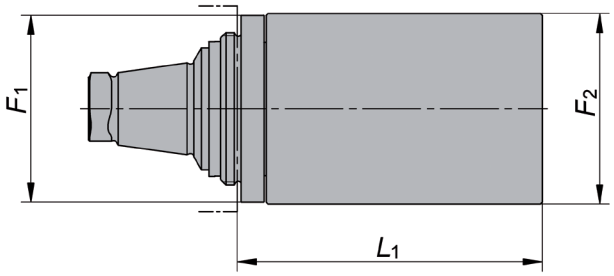
Arbor clamping bolt with coolant hole for internal coolant supply

d		
16	84841	26075
22	84842	26076
27	84843	26077
32	84844	26078



© WTO GmbH I Subject to change without notice

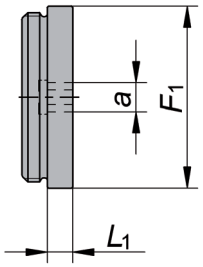
Blank



Size	Item No.	F1	F2	L1
ER-20QF	329020000	36	35	60
ER-25QF	329025000	49	50	80
ER-32QF	329032000	58	60	80
ER-40QF	329040000	71	70	100
ER-50QF	329050000	82	80	100

Dimensions in mm

Protection cover



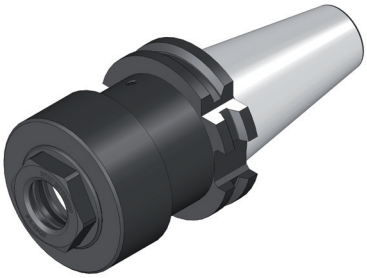
Size	Item No.	F1	L1	a
ER-20QF	337020000	33	6	6
ER-25QF	337025000	43	6	6
ER-32QF	337032000	52	10	8
ER-40QF	337040000	66	10	8
ER-50QF	337050000	76	10	10

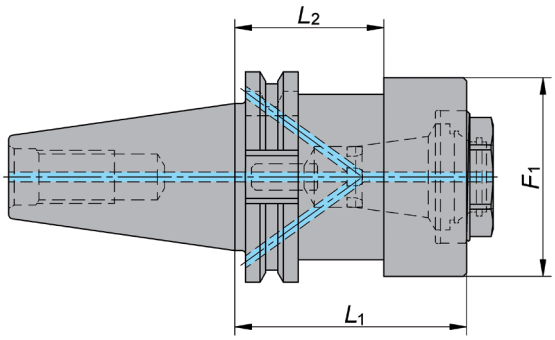
Dimensions in mm

© WTO GmbH I Subject to change without notice

V-flange holder

DIN ISO 69871, for tool presetting



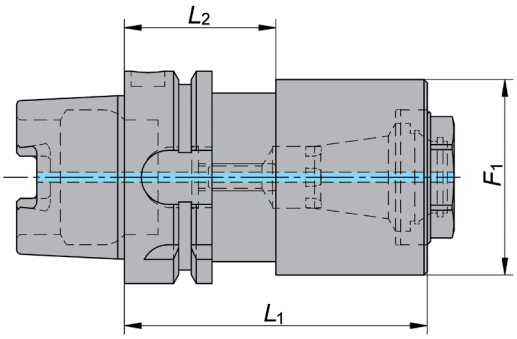


Size	Item No.	SK	F1	L1	L2	
ER-20QF	338120040	SK40	50	40	–	107520020
	338120050	SK50	50	40	–	107520020
ER-25QF	338125040	SK40	50	40	–	107525020
	338125050	SK50	50	40	–	107525020
ER-32QF	338132040	SK40	63	60	35	107532020
	338132050	SK50	63	60	–	107532020
ER-40QF	338140050	SK50	78	60	–	107540020
ER-50QF	338150050	SK50	85	60	35	107550020

Dimensions in mm

HSK holder

DIN 69893A/C (ISO 12164A/C), for tool presetting



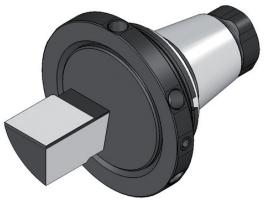
Size	Item No.	HSK	F1	L1	L2	
ER-20QF	338120063	HSK63A	50	85	–	107520020
ER-25QF	338125063	HSK63A	50	90	–	107525020
ER-32QF	338132063	HSK63A	63	90	42	107532020
ER-40QF	338140063	HSK63A	78	100	42	107540020
ER-50QF	338150063	HSK63A	85	120	42	107550020

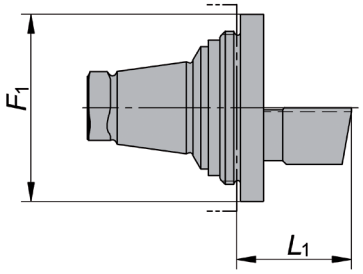
Dimensions in mm

© WTO GmbH I Subject to change without notice

Preset master adapter

Etched with actual gauge length measurement

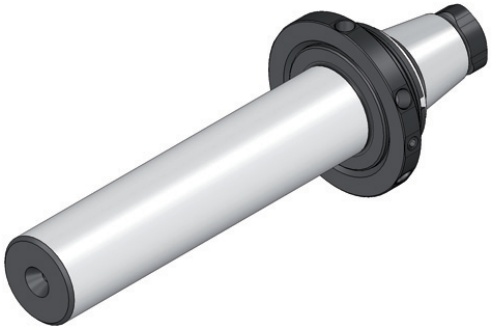


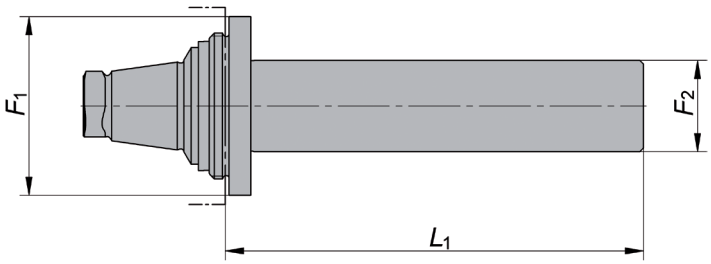


Size	Item No.	F_1	L_1
ER-20QF	339020000	36	30
ER-25QF	339025000	49	30
ER-32QF	339032000	58	40
ER-40QF	339040000	71	40
ER-50QF	339050000	82	40

Dimensions in mm

Master gauge





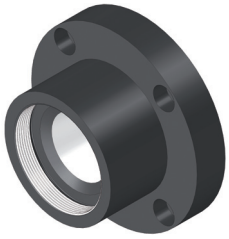
Size	Item No.	F_1	F_2	L_1
ER-20QF	339120000	36	20	85
ER-25QF	339125000	49	25	115
ER-32QF	339132000	58	32	115
ER-40QF	339140000	71	32	115
ER-50QF	339150000	82	32	115

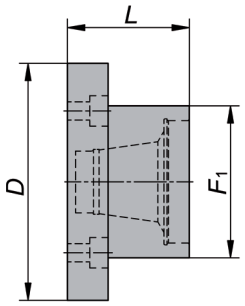
Dimensions in mm

© WTO GmbH I Subject to change without notice

Mounting device QuickFlex®

for easy tool change of QuickFlex® adapters on the work bench



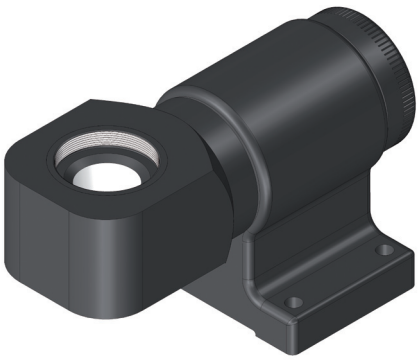


Size	Item No.	F_1	L	D	
ER-20QF	338220000	45	45	87	107520020
ER-25QF	338225000	55	45	97	107525020
ER-32QF	338232000	65	60	107	107532020
ER-40QF	338240000	75	60	117	107540020
ER-50QF	338250000	86	80	127	107550020

Dimensions in mm

Mounting device “Toolboy” (PWB Systems)

for easy tool change of QuickFlex® adapters on the work bench, indexable



Modular insert QuickFlex®

to adapt mounting device “Toolboy” with holder:

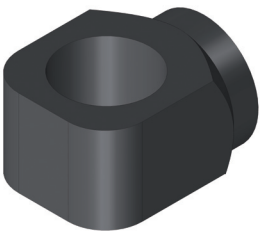
- WTO 338200001
- PWB Systems 400139 (C8)

Size	Item No.	
ER-20QF	338220010	107520020
ER-25QF	338225010	107525020
ER-32QF	338232010	107532020
ER-40QF	338240010	107540020
ER-50QF	338250010	107550020

Holder

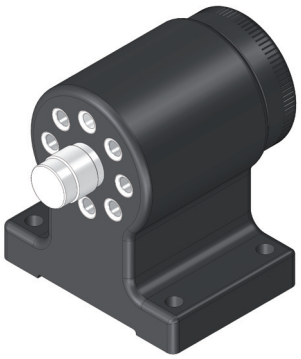
to match base block:

- WTO 338200000
- PWB Systems 400500



Item No.
338200001

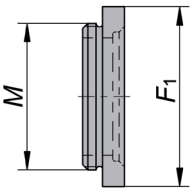
Base block

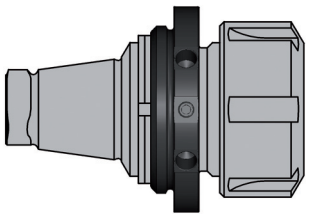


Item No.
338200000

© WTO GmbH I Subject to change without notice

Thread nut for QuickFlex® adapter

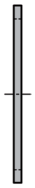


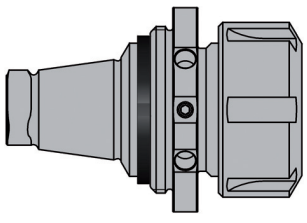


Size	Item No.	M	F_1
ER-20QF	337120000	M 32 x 1.50	36
ER-25QF	337125000	M 40 x 1.50	49
ER-32QF	337132000	M 50 x 1.50	58
ER-40QF	337140000	M 62 x 1.50	71
ER-50QF	337150000	M 68 x 1.50	82

Dimensions in mm

Locking washer for QuickFlex® adapter



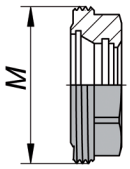


Size	Item No.
ER-20QF	337220000
ER-25QF	337225000
ER-32QF	337232000
ER-40QF	337240000
ER-50QF	337250000

© WTO GmbH I Subject to change without notice

Collet nut ERQF

for internal coolant supply using seal washer
DIN 6499, ISO 15488

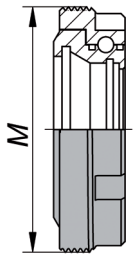


Size	Item No.	M	Recommended torque Nm	Seal washer	
ER-20QF	207020000	M 32 x 1.50	80	210120…	107520020
ER-25QF	207025000	M 40 x 1.50	100	210125…	107525020
ER-32QF	207032000	M 50 x 1.50	125	210132…	107532020

Dimensions in mm

Collet nut ERQF-BC

with ball bearing, for internal coolant supply using seal washer
DIN 6499, ISO 15488



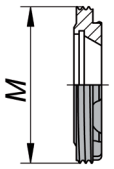
Size	Item No.	M	Recommended torque Nm	Seal washer	
ER-40QF	208040001	M 62 x 1.50	160	210140…	107540020
ER-50QF	208050001	M 68 x 1.50	200	210150…	107550020

Dimensions in mm

© WTO GmbH I Subject to change without notice

Collet nut ERQF-A – short

external coolant supply
DIN 6499, ISO 15488

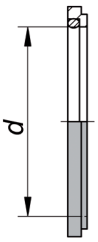


Size	Item No.	M	Recommended torque Nm	
ER-20QF	202120001	M 32 x 1.50	80	107525101
ER-25QF	202125001	M 40 x 1.50	100	107532101
ER-32QF	202132001	M 50 x 1.50	125	107540101

Dimensions in mm

Seal washer for collet nut

for internal coolant supply



Size	Item No. Single parts	Item No. Complete set	d min.	d max.	Range per seal washer	No. included per set
ER 16	210116…[d*10]	210116000	3.0	10	0.5	3.0-10
ER 20	210120…[d*10]	210120000	3.0	13	0.5	3.0-13
ER 25	210125…[d*10]	210125000	3.0	16	0.5	3.0-16
ER 32	210132…[d*10]	210132000	3.0	20	0.5	3.0-20
ER 40	210140…[d*10]	210140000	3.0	26	0.5	3.0-26
ER 50	210150…[d*10]	210150000	4.0	32	1	4.0-32

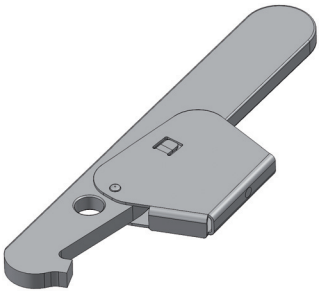
Dimensions in mm

Ordering example:
210116040 fits to ER16 and shank
d = 4.0 – 3.5

© WTO GmbH I Subject to change without notice

One-hand wrench

for driven toolholders: to hold the QuickFlex® spindle when tightening

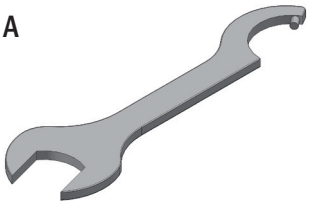


Size	Item No.
20	107720000
25	107725000
32	107732000
40	107740000
50	107750000

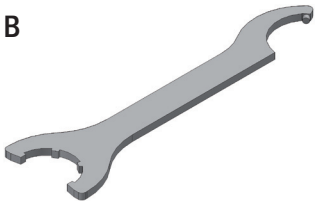
Spanner wrench

to clamp/unclamp collet nuts ERQF and QuickFlex® adapter

A



B



Size	Item No.	Type
ER-20QF	107520020	A
ER-25QF	107525020	A
ER-32QF	107532020	A
ER-40QF	107540020	B
ER-50QF	107550020	B

© WTO GmbH I Subject to change without notice

© WTO GmbH I Subject to change without notice

Quality without compromise.

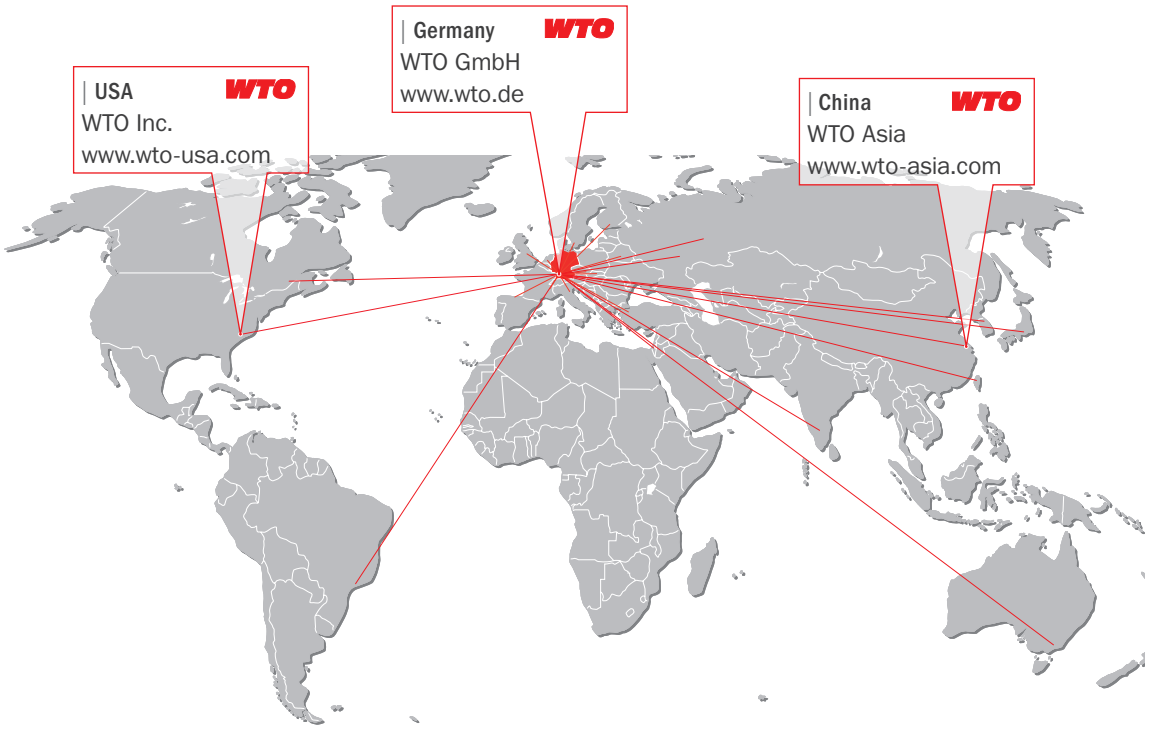
All manufacturing steps are based on highest precision.

According to our own device that for the manufacture of high precision tooling systems high precision machine tools are essential we only use the latest machine tool technology to manufacture our parts.

At WTO not only the final products but also all manufacturing steps are checked and documented.
All our products are measured on high precision 3D-coordinate-measuring machines.

© WTO GmbH I Subject to change without notice

WTO worldwide



WTO GmbH
Auf der oberen Au 45
77797 Ohlsbach
Germany

WTO Inc.
14301-A
South Lakes Drive
Charlotte, NC 28273
USA

WTO Asia
Unit 756A, Tower 3
German Center
No. 88 Keyuan Road
Pudong
201203 Shanghai
China

Our distribution partners. Competence right there.

| **Australia**
Dimac Tooling Ltd.
sales@dimac.com.au

| **Belarus**
JSC “PMI GROUP”
tool@pmi.by

| **Brazil**
TF2
tfdois@tfdois.com.br

| **Canada**
Mittmann Industrial Inc.
info@mittmann.com

| **China**
Shanghai Gangde
m.wang@wto-asia.com

| **Czech Republic**
ALBA precision, spol. s.r.o.
info@albaprecision.cz

| **Denmark**
Finn A. Vaerktoj A/S
info@finn-a.dk

| **Denmark**
Tool-part
cj@tool-part.dk

| **Finland**
Suomen Terätuonti Oy
myynti@stt.as

| **France**
Utilis France Sàrl
contact@utilis.com

| **France**
Société Jung
info@r-jung.com

| **Great Britain**
John Walton Ltd.
sales@chucks.co.uk

| **India**
A.H. Rao
ahr.rao@gmail.com

| **Israel**
E.Y.A.R. Ltd.
yehoshua@eyar.co.il

| **Italy**
Proxima H.T. s.r.l
info@proximaht.it

| **Japan**
NK Works Co. Ltd.
k_samba@nk-works.co.jp

| **Korea**
WTO Korea Office
is.chon@wto-korea.com

| **Netherland**
Klein Tooling B.V.
mail@kleintooling.nl

| **Russia**
OTS-Technology Ltd.
sales@otst.ru

| **Russia**
Haltec Ltd.
info@haltec.ru

| **Slowakia**
ALBA precision s.r.o.
albaprecision@albaprecision.sk

| **Spain**
DTC Tecnologia S.L.
dtc@dtctechnologia.com

| **Spain**
ITALMATIC, S.A.
italmatic@italmatic.es

| **Sweden**
Komet Scandinavia AB
scandinavia@kometgroup.com

| **Switzerland**
Utilis AG
info@utilis.com

| **Taiwan**
KAIKO Enterprise Co. Ltd.
info@kaiko.com.tw

| **Turkey**
Sedat Yurtsever
sedat@yurtsever.ch

| **Ukraine**
“LCC” SPA Stankopromimport
info@phoenix-ua.com

08 I 2012 en