

easy-quick HT

Tool changes faster by seconds
for driven and static tool holders
with easy-quick HT





High-tech from heimatec – precision tools and systems for productive turning and milling

heimatec specializes in the development and production of high-precision static and driven tools for all CNC lathes, CNC turn mills and CNC machining centers.

The product range* extends from static BMT and VDI tool holders via driven tools up to highly complex, customer-specific individual solutions.

heimatec, headquartered in Renchen, Germany, owns subsidiaries in the USA, India, Russia, Singapore and China and has direct contact with a worldwide network of business partners.

***OUR PRODUCTS:**

- Static tool holders
- Driven tooling units
- Precision tools
- Tools for machining centres and lathes
- Tools for Swiss-type lathes
- Tool changing and quick-change systems
- Tool systems for gear production
- Digital tool management

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www.heimatec.de

Premier quick-change system in use worldwide

heimatec has developed the easy-quick HT series specially for fast changes in the area of driven and static tools. This means different tool change inserts with market-standard tool mounts can be preset outside the tool machine and, when required, can be simply, safely and quickly installed by the machine operator using just one hand. Machine downtimes are reduced significantly with the aid of the easy-quick HT. Basic tools remain in the machine, so that little effort is required to install the preset tool change inserts.

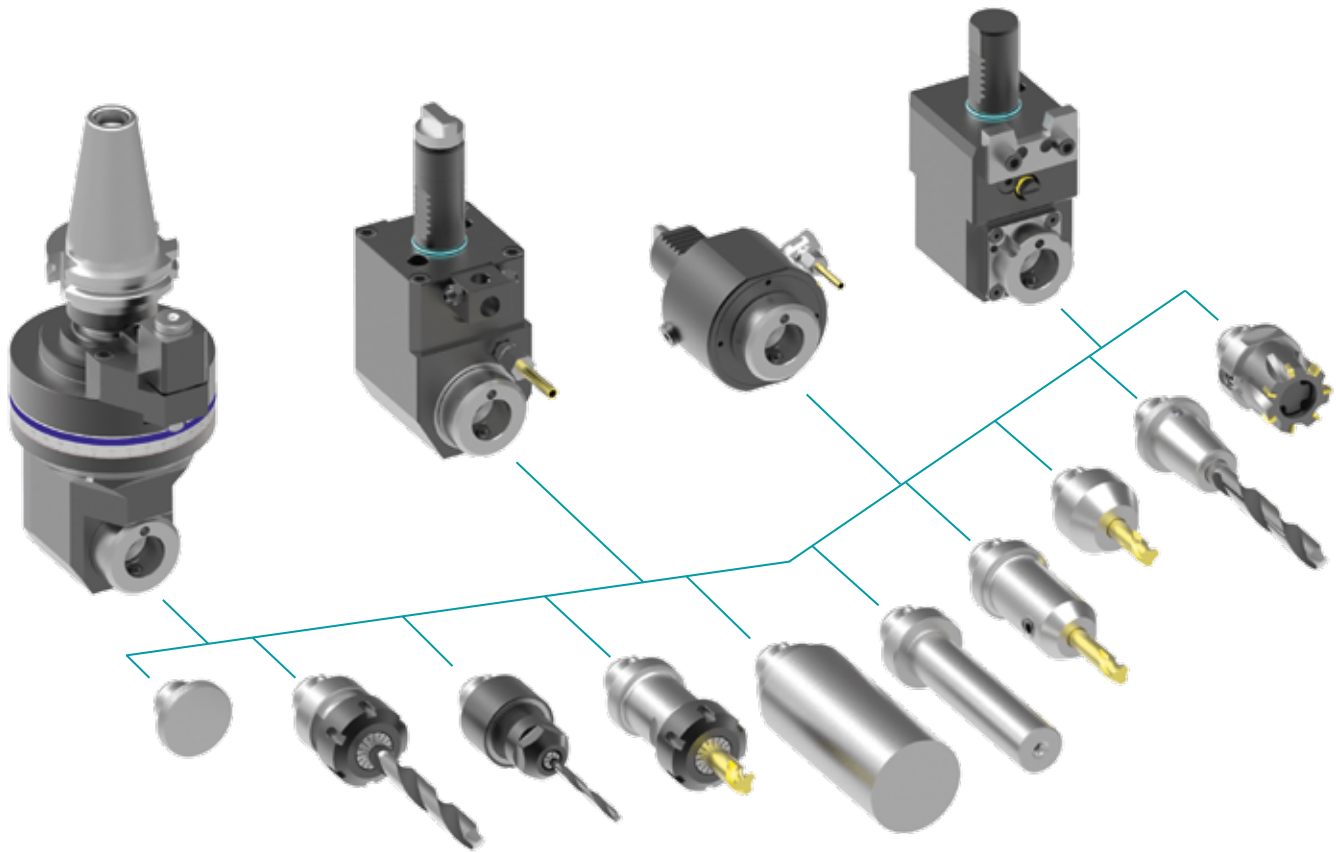
Every easy-quick HT fast tool change insert is fitted with a locating pin, which prevents incorrect handling of the tool changing inserts. The design of the system provides high rigidity with the largest possible power transmission and highest precision. In addition, overall tooling costs are reduced, thanks to the multiple and flexible uses of the easy-quick basic tools. Custom tool mounts can also be implemented cost-effectively.



The heimatec easy-quick HT product group catalog provides you with information on:

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Possible applications of easy-quick HT



The heimatec.easy-quick HT quick-change system stands out through these special features:

Saving on time

- Single-handed operation, so reduced danger of injuries within the machinery.
- By loosening just one screw, easy-quick HT allows a change of application.
- Exact presettability of inserts available outside the machinery.
- The tool remains on the machinery, eliminating time-consuming alignment.
- Thus machinery downtime is reduced to the minimum.

Saving on costs

- Low acquisition cost
- Minimization of retooling costs
- Minimization of total tooling costs
- Low stock-keeping costs

Our quick change system is obtainable in six variant sizes:

HT 2 HT 3 HT 4 HT 5 HT 6 HT 7

Inserts are obtainable with all common tool holders such as e.g.:

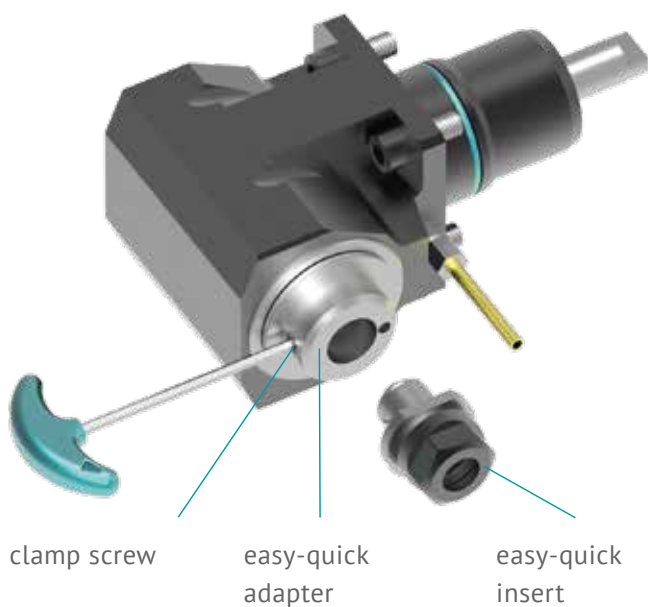
- collet chucks (also extended type)
- collet chucks with length compensation for tapping
- Weldon/Whistle Notch (also extended type)
- universal arbor
- blanks

Combined coolant supply for all sizes and tool holders!

The interchangeable inserts are suitable for both driven and static tools.

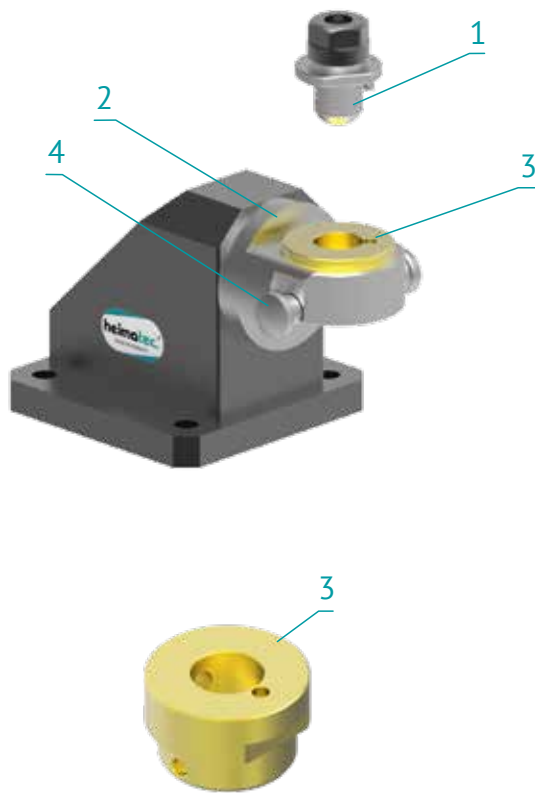
We will be pleased to offer you special solutions tailored to your requirements.

heimatec.easy-quick HT



- single-hand operation
- presetable
- highest repeatability and radial run-out precision
- tremendous rigidity and solidity

Mounting device



Mounting device HT 8 710 95 001

For mounting cutters in various adaptors (1).

Please place mounting device safely, in vice or mount on bench. The attachment (2) can be adjusted in 30° steps.

The holding fixture (3) is held by locator pin (4) (left and right side operation).

More holding fixtures (3) available as options for adaptors (1) in various sizes and types.

Interchangeable bushings (3) available:

HT2 - 8 732 54 007

HT3 - 8 732 55 005

HT4 - 8 732 56 005

HT5 - 8 732 57 004

HT6 - 8 732 58 003

HT7 - 8 732 59 003

Description of symbols

Symbols	Accessory sheet
 ZB 655 ... *	set of wrenches
 ZB ER ... *	collets ER-DIN 6499
 ZB ET ... *	tapping collets ET-DIN 6499
 ZB GB ... *	tapping collets GB
 ZB 741 ... *	seal disks

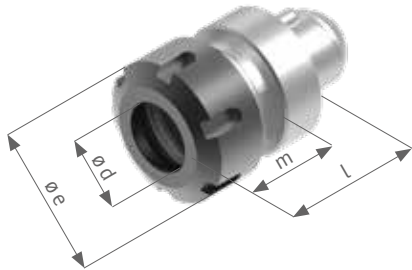
Symbols	Accessory sheet
 ZB 620 ... *	milling arbor spacers
 ZB HT ... *	easy-quick
 ZB UT ... *	u-tec
 ZB 776 ... *	collet chuck
 ZB 73 ... *	reducing sleeves

easy-quick HT 2



further versions on request
*not included in delivery

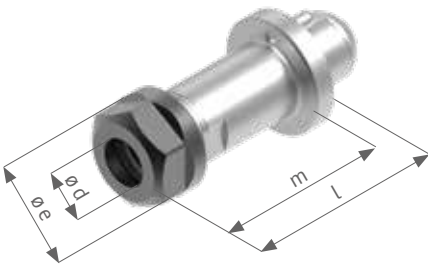
Collet chuck



clamping system	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
ER 8 M	8 779 42 003	0,5 - 5,0	12,0	17,0	13,0
ER 11	8 779 43 002	0,5 - 7,0	19,0	17,5	13,5

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

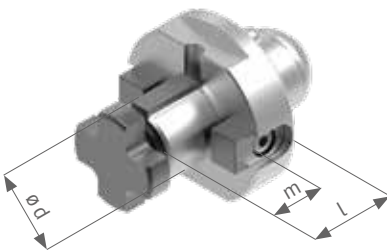
Collet chuck long



clamping system	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
ER 8 M	8 779 42 005	0,5 - 5,0	12,0	40,0	36,0

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

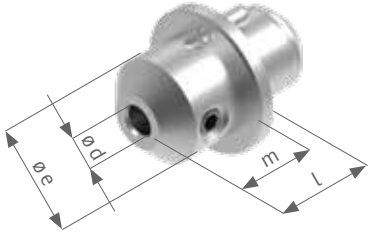
Arbor



clamping system	ref.-no.	ø d (mm)	l (mm)	m (mm)
arbor 10	8 779 42 001	10,0	21,0	16,0
arbor 13	8 779 43 001	13,0	26,0	21,0
universal arbor 1/2"	8 779 43 026	1/2"	34,0	14,3

ZB 655 ...*
 ZB 620 ...*

Weldon



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
Weldon 6	8 779 42 000	6,0	24,0	17,0	–
Weldon 8	8 779 43 000	8,0	24,0	18,0	–
Weldon 1/4"	8 779 42 017	1/4"	24,0	17,0	–

 ZB 655 ...*

further dimensions from $\varnothing d = 3$ mm on request

Weldon long

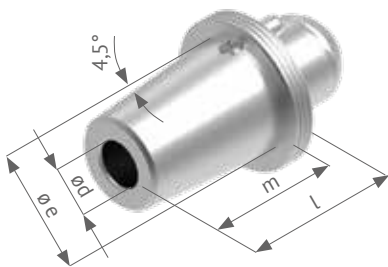


clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
Weldon 6	8 779 42 004	6,0	25,0	40,0	–
Weldon 1/4"	8 779 42 018	1/4"	25,0	40,0	–

 ZB 655 ...*

further dimensions from $\varnothing d = 3$ mm on request

Shrinking chuck

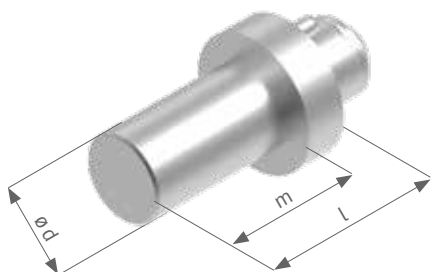


nominal size	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
6	8 779 42 006	6,0	24,0	38,0	34,0
8	8 779 43 004	8,0	24,0	38,0	34,0

 ZB 655 ...*

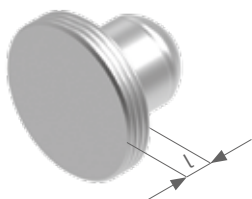
further dimensions from $\varnothing d = 3$ mm on request

Test mandrel



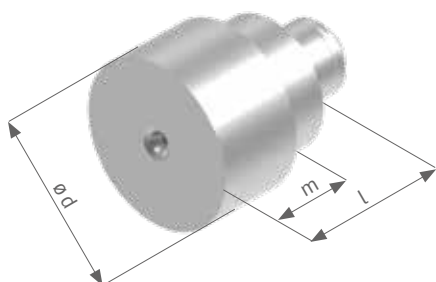
nominal size	ref.-no.	$\varnothing d$ (mm)	l (mm)	m (mm)
15	8 208 44 000	15,0	80,0	70,0

Plug



ref.-no.	l (mm)
8 779 49 000	5,0

Blank



nominal size	ref.-no.	$\varnothing d$ (mm)	l (mm)	m (mm)
30	8 779 49 001	30,0	80,0	72,0

material C 60

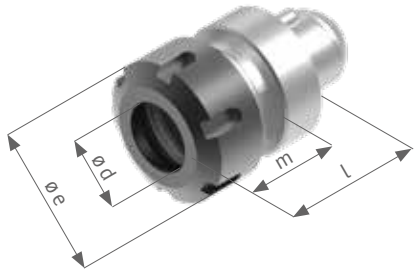
Partial hardening if necessary: induction-hardening is possible.

easy-quick HT 3



further versions on request
*not included in delivery

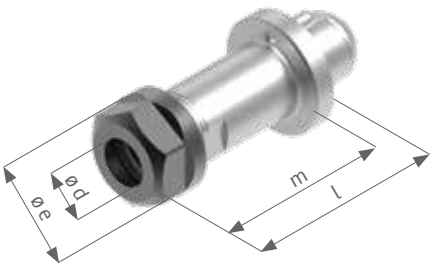
Collet chuck



clamping system	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
ER 11	8 779 53 005	0,5 - 7,0	19,0	19,0	15,0
ER 16	8 779 54 000	0,5 - 10,0	28,0	25,5	21,5

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

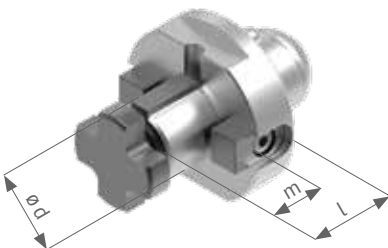
Collet chuck long



clamping system	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
ER 8 M	8 779 52 004	0,5 - 5,0	12,0	60,0	56,0
ER 11	8 779 53 007	0,5 - 7,0	19,0	60,0	56,0

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

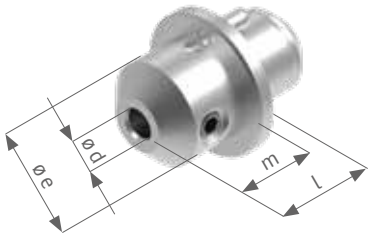
Arbor



clamping system	ref.-no.	ø d (mm)	l (mm)	m (mm)
arbor 10	8 779 52 005	10,0	21,0	16,0
arbor 13	8 779 53 001	13,0	26,0	21,0
universal arbor 16	8 779 54 001	16,0	31,0	17,0
universal arbor 1/2"	8 779 53 026	1/2"	34,0	14,3

ZB 655 ...*
 ZB 620 ...*

Weldon



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
Weldon 6	8 779 52 000	6,0	25,0	28,0	22,5
Weldon 8	8 779 53 003	8,0	28,0	28,0	23,0
Weldon 10	8 779 54 002	10,0	31,0	28,0	–
Weldon 12	8 779 54 003	12,0	34,0	28,0	–
Weldon 1/4"	8 779 52 017	1/4"	25,0	28,0	22,5
Weldon 3/8"	8 779 53 028	3/8"	31,0	28,0	–
Weldon 1/2"	8 779 54 043	1/2"	34,0	28,0	–



further dimensions from $\varnothing d = 3$ mm on request

Weldon long

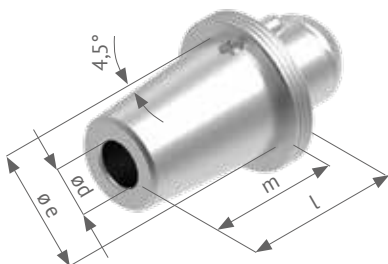


clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
Weldon 6	8 779 52 003	6,0	25,0	60,0	54,0
Weldon 8	8 779 53 006	8,0	28,0	60,0	54,0
Weldon 10	8 779 54 009	10,0	35,0	60,0	–
Weldon 1/4"	8 779 52 018	1/4"	25,0	60,0	54,0
Weldon 3/8"	8 779 53 030	3/8"	35,0	60,0	–



further dimensions from $\varnothing d = 3$ mm on request

Shrinking chuck

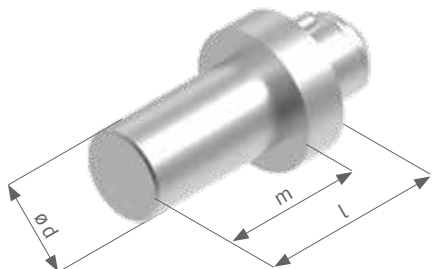


nominal size	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
6	8 779 52 006	6,0	27,0	38,0	34,0
8	8 779 53 008	8,0	27,0	38,0	34,0
10	8 779 54 010	10,0	27,0	38,0	34,0
12	8 779 54 011	12,0	30,0	43,0	39,0



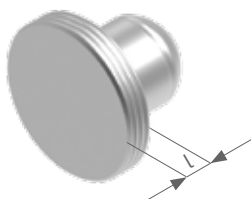
further dimensions from $\varnothing d = 3$ mm on request

Test mandrel



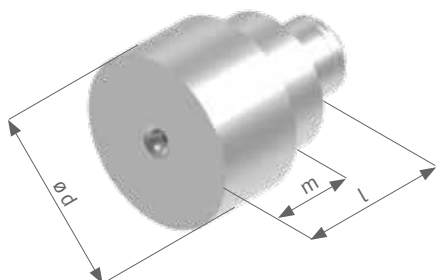
nominal size	ref.-no.	$\varnothing d$ (mm)	l (mm)	m (mm)
20	8 208 56 000	20,0	100,0	90,0

Plug



ref.-no.	l (mm)
8 779 59 000	6,0

Blank



nominal size	ref.-no.	$\varnothing d$ (mm)	l (mm)	m (mm)
40	8 779 59 001	40,0	100,0	92,0

material C 60

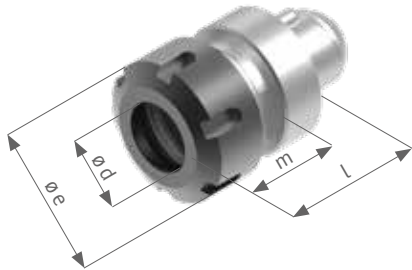
Partial hardening if necessary: induction-hardening is possible.

easy-quick HT 4



further versions on request
*not included in delivery

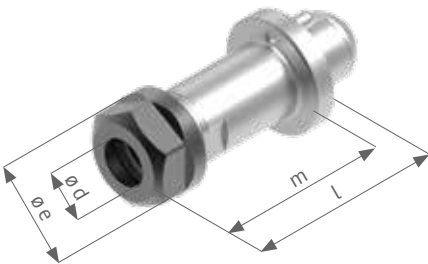
Collet chuck



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
ER 16	8 779 64 000	0,5 - 10,0	28,0	26,0	21,0
ER 20	8 779 64 001	0,5 - 13,0	34,0	28,0	23,0
ER 25	8 779 65 001	0,5 - 16,0	42,0	44,0	–

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

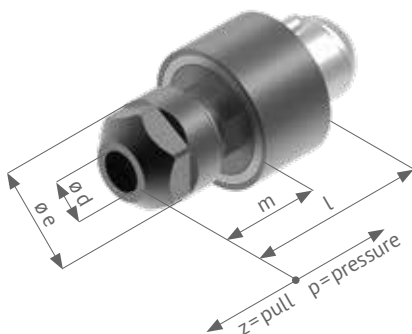
Collet chuck long



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
ER 11	8 779 63 009	0,5 - 7,0	19,0	70,0	62,0
ER 16	8 779 64 016	0,5 - 10,0	28,0	70,0	62,0
ER 20	8 779 64 012	0,5 - 13,0	34,0	70,0	62,0
ER 25	8 779 65 004	0,5 - 16,0	42,0	70,0	–

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

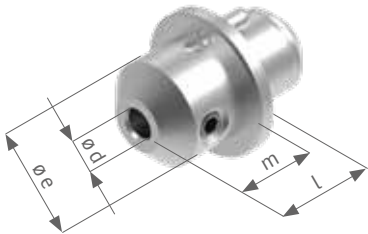
Softtap (tapping chuck)



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)	z (mm)	p (mm)
ER 16	8 779 64 027	0,5 - 10,0	28,0	55,0	32,0	0,5	0,5

ZB 655 ...*
 ZB ER ...*
 ZB GB ...*
 ZB DS ...*

Weldon



clamping system	ref.-no.	Ø d (mm)	Ø e (mm)	l (mm)	m (mm)
Weldon 6	8 779 62 000	6,0	25,0	28,0	23,0
Weldon 8	8 779 63 000	8,0	28,0	28,0	23,0
Weldon 10	8 779 64 002	10,0	39,0	28,0	–
Weldon 12	8 779 64 004	12,0	42,0	34,0	–
Weldon 14	8 779 64 007	14,0	42,0	34,0	–
Weldon 16	8 779 65 000	16,0	48,0	34,0	–
Weldon 1/4"	8 779 62 014	1/4"	25,0	28,0	23,0
Weldon 3/8"	8 779 63 016	3/8"	39,0	28,0	–
Weldon 1/2"	8 779 64 032	1/2"	42,0	34,0	–
Weldon 5/8"	8 779 64 033	5/8"	48,0	34,0	–



ZB 655 ...*

further dimensions from Ø d = 3 mm on request

Weldon long



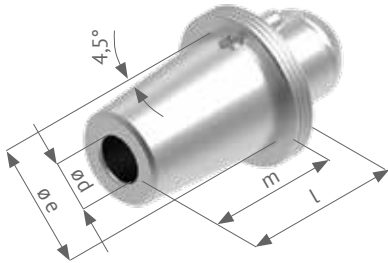
clamping system	ref.-no.	Ø d (mm)	Ø e (mm)	l (mm)	m (mm)
Weldon 6	8 779 62 006	6,0	25,0	70,0	60,0
Weldon 8	8 779 63 008	8,0	28,0	70,0	60,0
Weldon 10	8 779 64 014	10,0	32,0	70,0	60,0
Weldon 12	8 779 64 018	12,0	32,0	70,0	60,0
Weldon 1/4"	8 779 62 025	1/4"	25,0	70,0	60,0
Weldon 3/8"	8 779 63 027	3/8"	32,0	70,0	60,0
Weldon 1/2"	8 779 64 056	1/2"	32,0	70,0	60,0



ZB 655 ...*

further dimensions from Ø d = 3 mm on request

Shrinking chuck

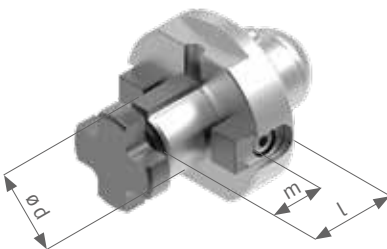


nominal size	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
6	8 779 62 007	6,0	27,0	40,0	34,0
8	8 779 63 003	8,0	27,0	40,0	34,0
10	8 779 64 009	10,0	27,0	40,0	34,0
12	8 779 64 017	12,0	30,0	45,0	39,0
14	8 779 64 019	14,0	32,0	50,0	44,0
16	8 779 65 005	16,0	34,0	50,0	44,0

 ZB 655 ...*

further dimensions from ø d = 3 mm on request

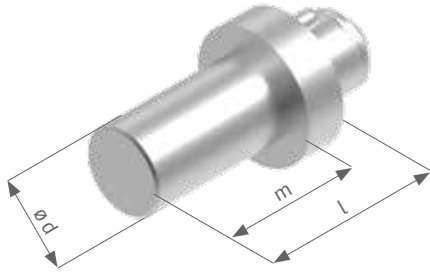
Arbor



clamping system	ref.-no.	ø d (mm)	l (mm)	m (mm)
arbor 10	8 779 62 005	10,0	26,0	16,0
arbor 13	8 779 63 007	13,0	31,0	21,0
universal arbor 16	8 779 64 005	16,0	31,0	17,0
universal arbor 22	8 779 65 002	22,0	33,0	19,0
universal arbor 1½"	8 779 63 028	1½"	36,0	14,3
universal arbor ¾"	8 779 64 057	¾"	40,0	17,45

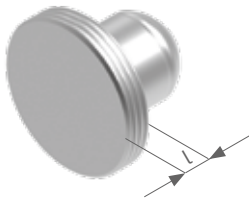
 ZB 655 ...*  ZB 620 ...*

Test mandrel



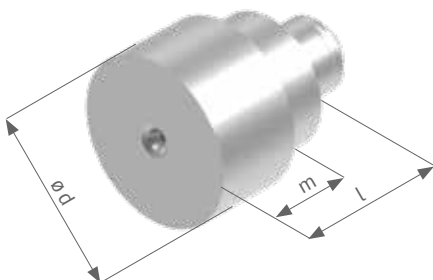
nominal size	ref.-no.	$\varnothing d$ (mm)	l (mm)	m (mm)
25	8 208 67 000	25,0	120,0	108,0

Plug



ref.-no.	l (mm)
8 779 69 000	7,0

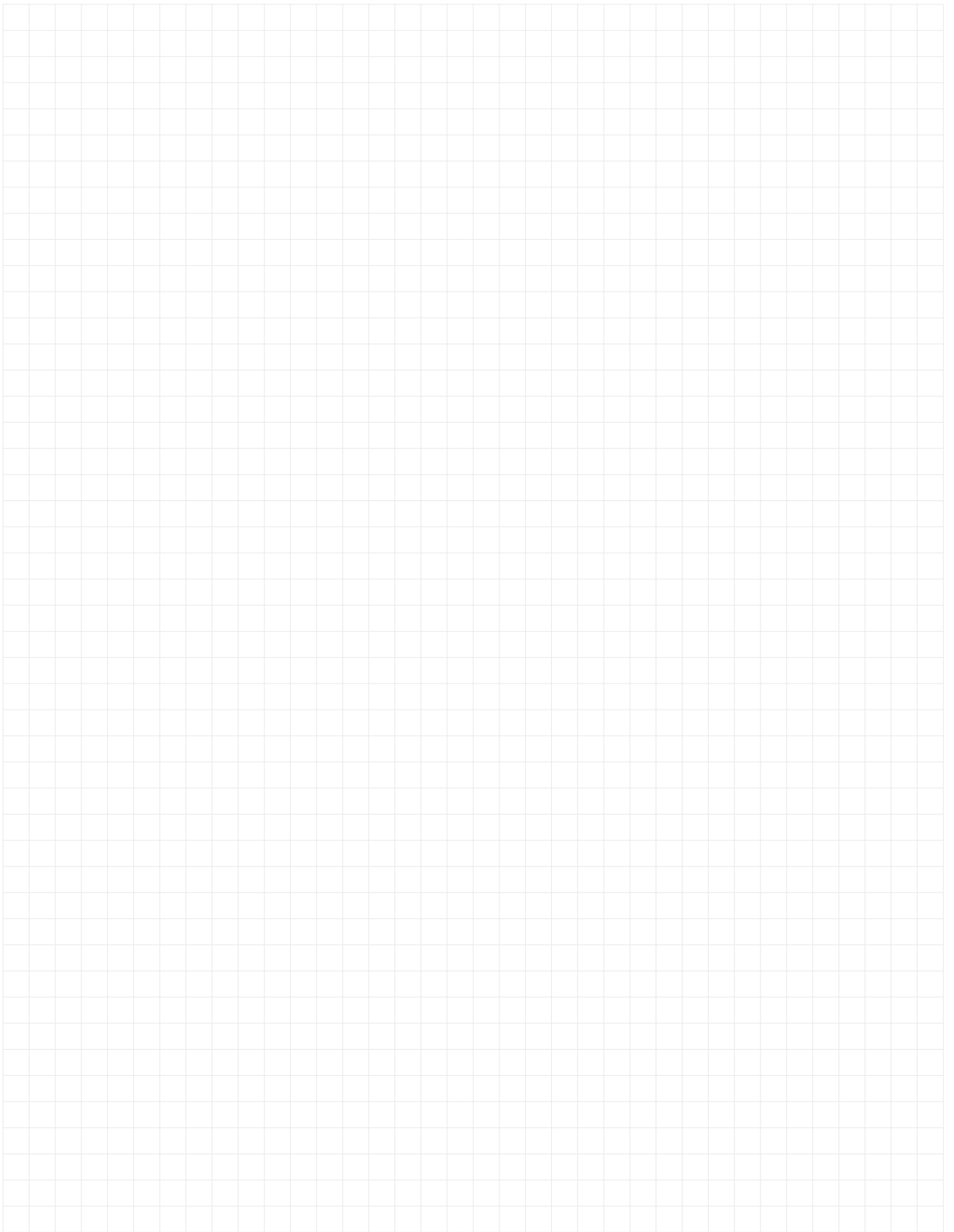
Blank



nominal size	ref.-no.	$\varnothing d$ (mm)	l (mm)	m (mm)
50	8 779 69 002	50,0	120,0	108,0

material C 60

Partial hardening if necessary: induction-hardening is possible.

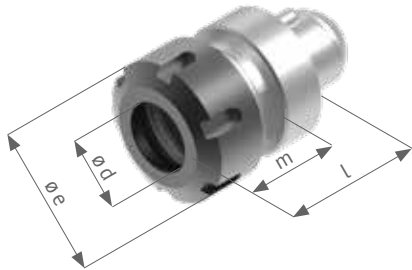


easy-quick HT 5



further versions on request
*not included in delivery

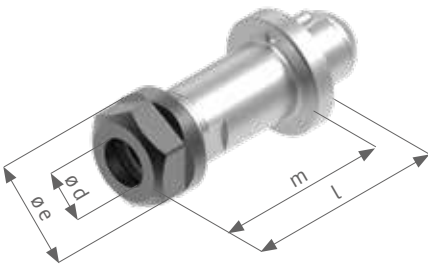
Collet chuck



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
ER 20	8 779 74 002	0,5 - 13,0	34,0	29,0	23,0
ER 25	8 779 75 001	0,5 - 16,0	42,0	30,0	24,0
ER 32	8 779 76 002	1,0 - 20,0	50,0	54,0	–

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

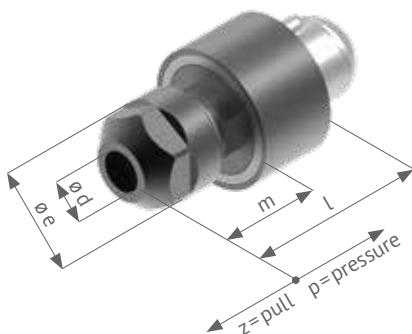
Collet chuck long



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
ER 16	8 779 74 006	0,5 - 10,0	28,0	70,0	64,0
ER 20	8 779 74 018	0,5 - 13,0	34,0	70,0	64,0
ER 25	8 779 75 010	0,5 - 16,0	42,0	70,0	64,0

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

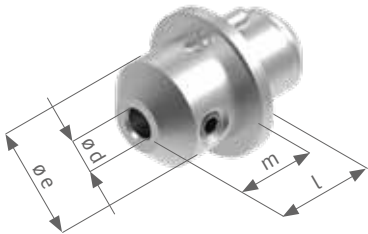
Softtap (tapping chuck)



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)	z (mm)	p (mm)
ER 16	8 779 74 021	0,5 - 10,0	28,0	55,0	32,0	0,5	0,5

ZB 655 ...*
 ZB ER ...*
 ZB GB ...*
 ZB DS ...*

Weldon



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
Weldon 6	8 779 72 000	6,0	25,0	28,0	23,0
Weldon 8	8 779 73 000	8,0	28,0	28,0	23,0
Weldon 10	8 779 74 001	10,0	49,0	28,0	–
Weldon 12	8 779 74 000	12,0	49,0	28,0	–
Weldon 14	8 779 74 005	14,0	50,0	28,0	–
Weldon 16	8 779 75 000	16,0	49,0	28,0	–
Weldon 18	8 779 75 002	18,0	50,0	34,0	–
Weldon 20	8 779 76 001	20,0	49,0	36,0	–
Weldon 1/4"	8 779 72 012	1/4"	25,0	28,0	23,0
Weldon 3/8"	8 779 73 015	3/8"	49,0	28,0	–
Weldon 1/2"	8 779 74 047	1/2"	49,0	28,0	–
Weldon 5/8"	8 779 74 048	5/8"	49,0	28,0	–
Weldon 3/4"	8 779 75 024	3/4"	49,0	36,0	–


further dimensions from $\varnothing d = 3$ mm on request

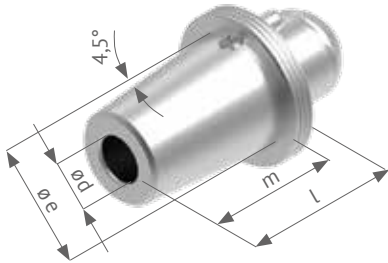
Weldon long



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
Weldon 6	8 779 72 001	6,0	25,0	70,0	60,0
Weldon 8	8 779 73 001	8,0	28,0	70,0	60,0
Weldon 10	8 779 74 007	10,0	32,0	70,0	60,0
Weldon 12	8 779 74 008	12,0	32,0	70,0	60,0
Weldon 14	8 779 74 017	14,0	44,0	70,0	60,0
Weldon 16	8 779 75 009	16,0	48,0	70,0	60,0
Weldon 1/4"	8 779 72 013	1/4"	25,0	70,0	60,0
Weldon 3/8"	8 779 73 017	3/8"	32,0	70,0	60,0
Weldon 1/2"	8 779 74 050	1/2"	32,0	70,0	60,0
Weldon 5/8"	8 779 74 051	5/8"	48,0	70,0	60,0


further dimensions from $\varnothing d = 3$ mm on request

Shrinking chuck

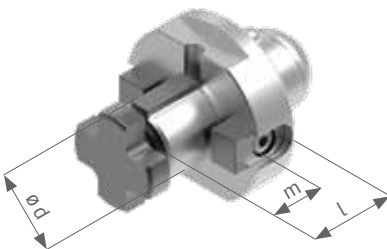


nominal size	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
6	8 779 72 004	6,0	27,0	40,0	34,0
8	8 779 73 003	8,0	27,0	40,0	34,0
10	8 779 74 009	10,0	27,0	40,0	34,0
12	8 779 74 010	12,0	30,0	45,0	39,0
14	8 779 74 019	14,0	33,0	45,0	39,0
16	8 779 75 008	16,0	34,0	50,0	44,0
18	8 779 75 011	18,0	42,0	50,0	44,0
20	8 779 76 004	20,0	42,0	50,0	44,0

 ZB 655 ...*

further dimensions from ø d = 3 mm on request

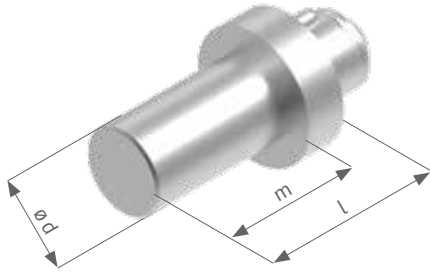
Arbor



clamping system	ref.-no.	ø d (mm)	l (mm)	m (mm)
universal arbor 16	8 779 74 003	16,0	31,0	17,0
universal arbor 22	8 779 75 003	22,0	33,0	19,0
universal arbor 27	8 779 76 005	27,0	40,0	21,0
universal arbor 1½"	8 779 73 018	1½"	36,0	14,3
universal arbor ¾"	8 779 74 049	¾"	40,0	17,45
universal arbor 1"	8 779 75 025	1"	42,0	17,45

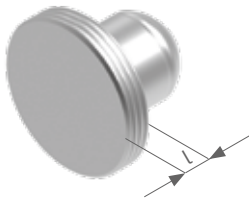
 ZB 655 ...*  ZB 620 ...*

Test mandrel



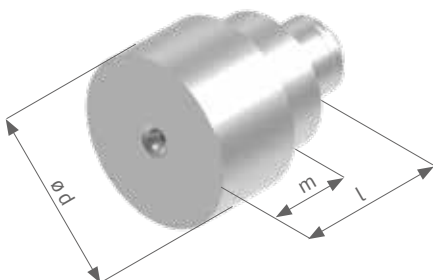
nominal size	ref.-no.	ø d (mm)	l (mm)	m (mm)
30	8 208 77 000	30,0	150,0	138,0

Plug



ref.-no.	l (mm)
8 779 79 002	7,0

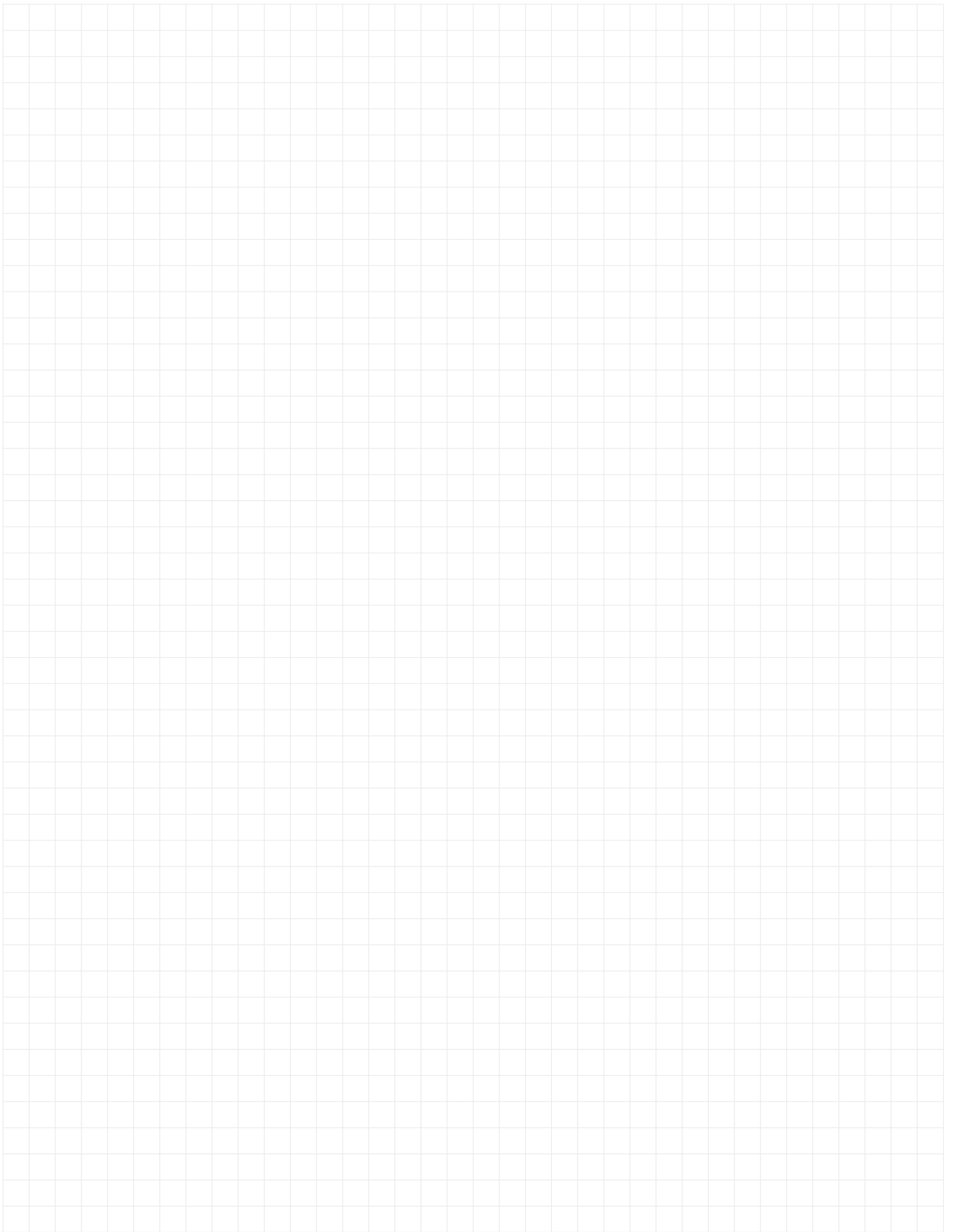
Blank



nominal size	ref.-no.	ø d (mm)	l (mm)	m (mm)
63	8 779 79 003	63,0	140,0	128,0

material C 60

Partial hardening if necessary: induction-hardening is possible.

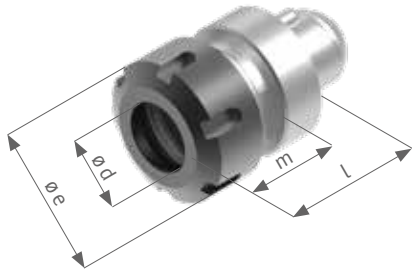


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further versions on request
*not included in delivery

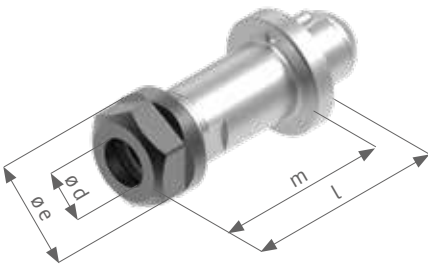
Collet chuck



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
ER 20	8 779 84 000	0,5 - 13,0	34,0	31,5	23,5
ER 25	8 779 85 000	0,5 - 16,0	42,0	32,0	24,0
ER 32	8 779 86 000	1,0 - 20,0	50,0	35,0	27,0
ER 40	8 779 87 001	2,0 - 30,0	63,0	59,0	43,0

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

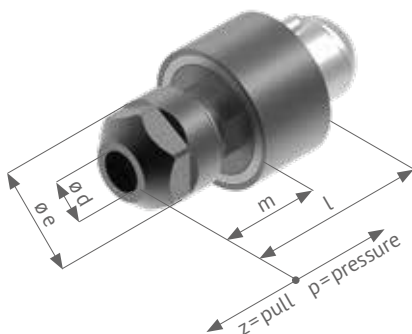
Collet chuck long



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
ER 16	8 779 84 010	0,5 - 10,0	28,0	70,0	60,0
ER 20	8 779 84 011	0,5 - 13,0	34,0	70,0	60,0
ER 25	8 779 85 008	0,5 - 16,0	42,0	70,0	60,0
ER 32	8 779 86 005	1,0 - 20,0	50,0	70,0	60,0

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

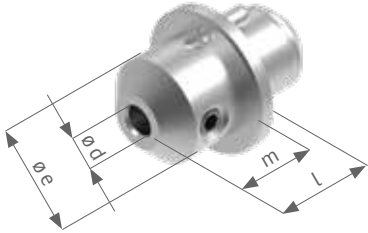
Softtap (tapping chuck)



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)	z (mm)	p (mm)
ER 16	8 779 84 014	0,5 - 10,0	28,0	48,0	31,7	0,5	0,5

ZB 655 ...*
 ZB ER ...*
 ZB GB ...*
 ZB DS ...*

Weldon



clamping system	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
Weldon 6	8 779 82 000	6,0	25,0	28,0	23,0
Weldon 8	8 779 83 000	8,0	28,0	28,0	23,0
Weldon 10	8 779 84 001	10,0	35,0	28,0	22,0
Weldon 12	8 779 84 002	12,0	42,0	28,0	23,0
Weldon 14	8 779 84 004	14,0	44,0	28,0	22,0
Weldon 16	8 779 85 001	16,0	64,0	23,0	–
Weldon 18	8 779 85 004	18,0	64,0	23,0	–
Weldon 20	8 779 86 002	20,0	64,0	23,0	–
Weldon 25	8 779 87 000	25,0	65,0	35,0	–
Weldon 32	8 779 88 000	32,0	72,0	68,0	–
Weldon 1/4"	8 779 82 005	1/4"	25,0	28,0	23,0
Weldon 3/8"	8 779 83 004	3/8"	35,0	28,0	22,0
Weldon 1/2"	8 779 84 017	1/2"	42,0	28,0	23,0
Weldon 5/8"	8 779 84 019	5/8"	64,0	23,0	–
Weldon 3/4"	8 779 85 011	3/4"	64,0	23,0	–
Weldon 1"	8 779 87 004	1"	64,0	35,0	–
Weldon 1 1/4"	8 779 87 005	1 1/4"	72,0	68,0	–

 ZB 655 ...*

further dimensions from ø d = 3 mm on request

Weldon long

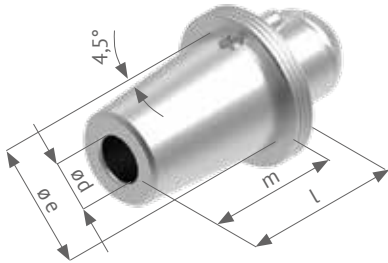


clamping system	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
Weldon 6	8 779 82 001	6,0	25,0	70,0	60,0
Weldon 8	8 779 83 002	8,0	28,0	70,0	60,0
Weldon 10	8 779 84 007	10,0	32,0	70,0	60,0
Weldon 12	8 779 84 008	12,0	32,0	70,0	60,0
Weldon 14	8 779 84 009	14,0	44,0	70,0	60,0
Weldon 16	8 779 85 006	16,0	48,0	70,0	54,0
Weldon 18	8 779 85 007	18,0	50,0	70,0	60,0
Weldon 20	8 779 86 004	20,0	52,0	70,0	60,0
Weldon 1/4"	8 779 82 006	1/4"	25,0	70,0	60,0
Weldon 3/8"	8 779 83 007	3/8"	32,0	70,0	60,0
Weldon 1/2"	8 779 84 020	1/2"	32,0	70,0	60,0
Weldon 5/8"	8 779 84 021	5/8"	48,0	70,0	54,0
Weldon 3/4"	8 779 85 013	3/4"	52,0	70,0	60,0

 ZB 655 ...*

further dimensions from ø d = 3 mm on request

Shrinking chuck

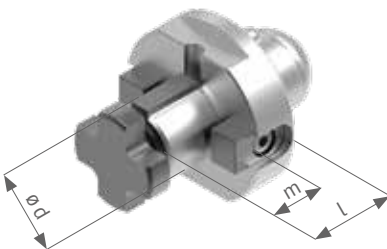


nominal size	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
6	8 779 82 002	6,0	27,0	42,0	34,0
8	8 779 83 001	8,0	27,0	42,0	34,0
10	8 779 84 006	10,0	27,0	42,0	34,0
12	8 779 84 012	12,0	30,0	47,0	39,0
14	8 779 84 013	14,0	33,0	47,0	39,0
16	8 779 85 005	16,0	34,0	52,0	44,0
18	8 779 85 009	18,0	42,0	52,0	44,0
20	8 779 86 006	20,0	42,0	52,0	44,0
25	8 779 87 003	25,0	53,0	60,0	52,0
32	8 779 88 001	32,0	53,0	70,0	62,0

 ZB 655 ...*

further dimensions from ø d = 3 mm on request

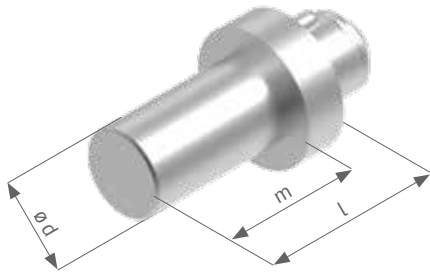
Arbor



clamping system	ref.-no.	ø d (mm)	l (mm)	m (mm)
universal arbor 16	8 779 84 005	16,0	33,0	17,0
universal arbor 22	8 779 85 002	22,0	35,0	19,0
universal arbor 27	8 779 86 003	27,0	40,0	21,0
universal arbor 32	8 779 87 002	32,0	47,0	24,0
universal arbor 1½"	8 779 83 008	1½"	40,0	14,3
universal arbor ¾"	8 779 84 018	¾"	44,0	17,45
universal arbor 1"	8 779 85 012	1"	45,0	17,45
universal arbor 1¼"	8 779 86 008	1¼"	46,0	17,45

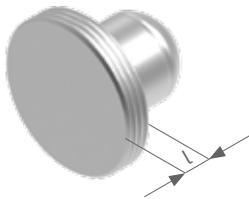
 ZB 655 ...*  ZB 620 ...*

Test mandrel



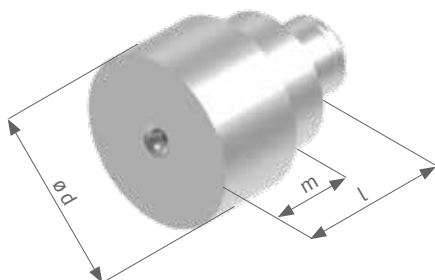
nominal size	ref.-no.	$\varnothing d$ (mm)	l (mm)	m (mm)
40	8 208 89 000	40,0	200,0	184,0

Plug



ref.-no.	l (mm)
8 779 89 000	10,0

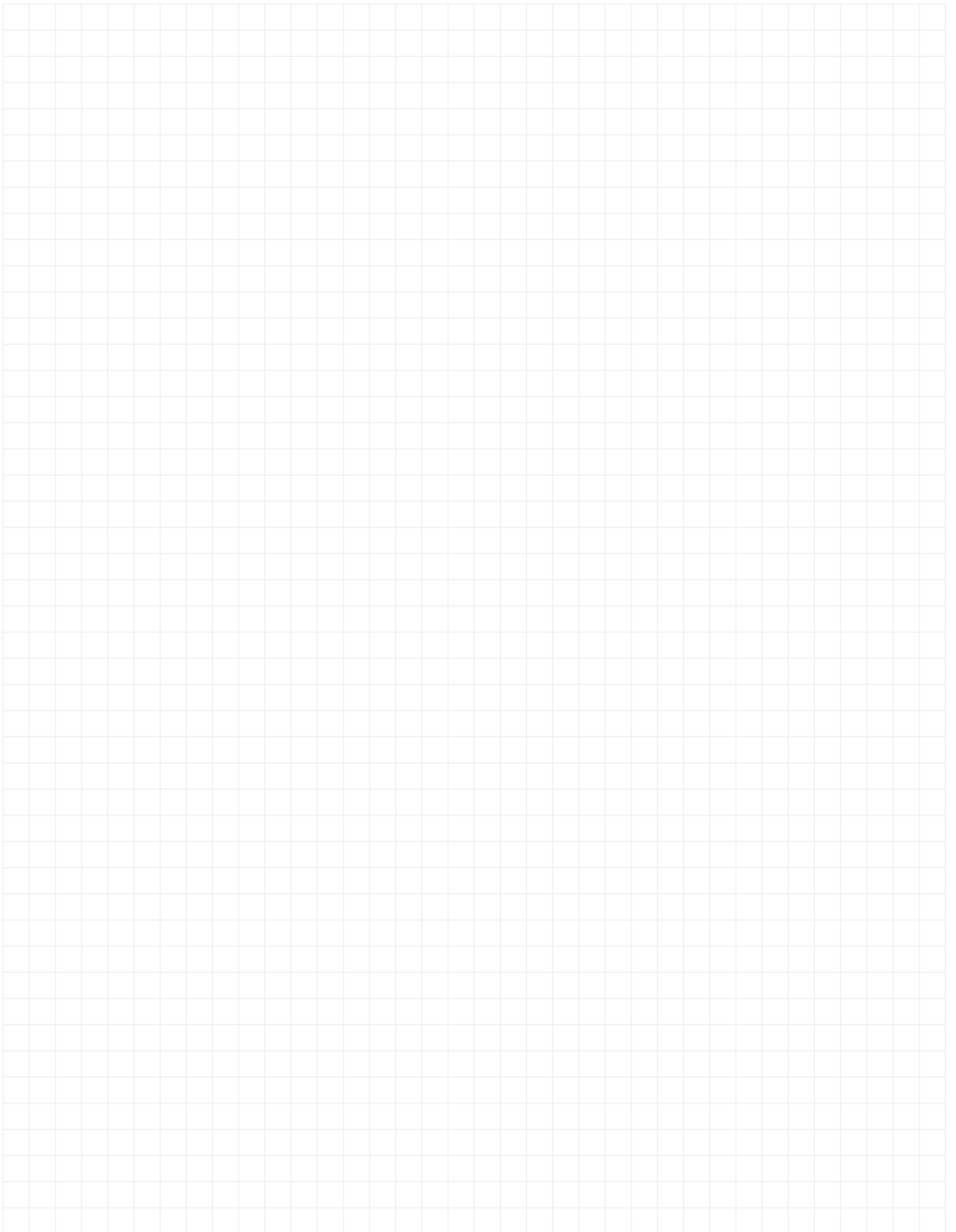
Blank



nominal size	ref.-no.	$\varnothing d$ (mm)	l (mm)	m (mm)
80	8 779 89 001	80,0	160,0	145,0

material C 60

Partial hardening if necessary: induction-hardening is possible.

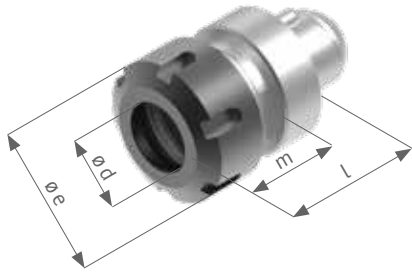


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further versions on request
*not included in delivery

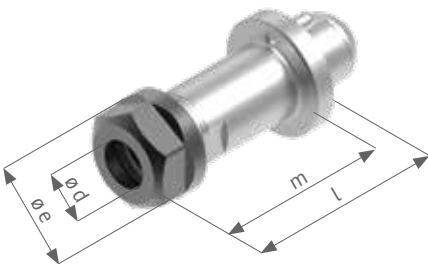
Collet chuck



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
ER 25	8 779 95 001	0,5 - 16,0	42,0	38,0	30,0
ER 32	8 779 96 002	1,0 - 20,0	50,0	43,0	35,0
ER 40	8 779 97 002	2,0 - 30,0	63,0	44,0	36,0

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

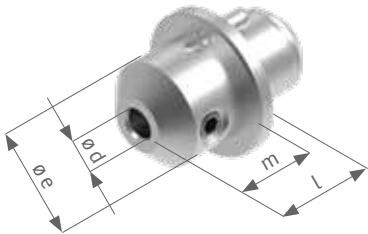
Collet chuck long



clamping system	ref.-no.	$\varnothing d$ (mm)	$\varnothing e$ (mm)	l (mm)	m (mm)
ER 20	8 779 94 006	0,5 - 13,0	34,0	80,0	72,0
ER 25	8 779 95 004	0,5 - 16,0	42,0	80,0	72,0
ER 32	8 779 96 005	1,0 - 20,0	50,0	80,0	72,0

ZB 655 ...*
 ZB ER ...*
 ZB ET ...*
 ZB GB ...*
 ZB 741 ...*

Weldon



clamping system	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
Weldon 6	8 779 92 000	6,0	25,0	32,0	24,0
Weldon 8	8 779 93 000	8,0	28,0	32,0	24,0
Weldon 10	8 779 94 001	10,0	35,0	35,0	27,0
Weldon 12	8 779 94 000	12,0	42,0	35,0	27,0
Weldon 14	8 779 94 002	14,0	44,0	35,0	27,0
Weldon 16	8 779 95 000	16,0	48,0	35,0	27,0
Weldon 18	8 779 95 003	18,0	50,0	35,0	27,0
Weldon 20	8 779 96 000	20,0	52,0	35,0	27,0
Weldon 25	8 779 97 000	25,0	72,0	38,0	30,0
Weldon 32	8 779 98 000	32,0	72,0	50,0	29,0
Weldon 1/4"	8 779 92 003	1/4"	25,0	32,0	24,0
Weldon 3/8"	8 779 93 004	3/8"	35,0	35,0	27,0
Weldon 1/2"	8 779 94 011	1/2"	42,0	35,0	27,0
Weldon 5/8"	8 779 94 012	5/8"	48,0	35,0	27,0
Weldon 3/4"	8 779 95 009	3/4"	52,0	35,0	27,0
Weldon 1"	8 779 97 004	1"	72,0	38,0	30,0
Weldon 1 1/4"	8 779 97 005	1 1/4"	72,0	50,0	29,0

 ZB 655 ...*

further dimensions from ø d = 3 mm on request

Weldon long

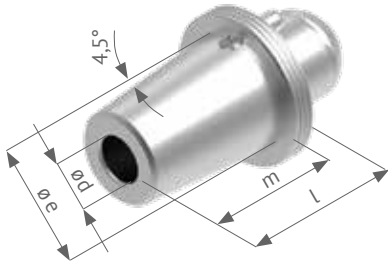


clamping system	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
Weldon 6	8 779 92 001	6,0	25,0	80,0	72,0
Weldon 8	8 779 93 001	8,0	28,0	80,0	72,0
Weldon 10	8 779 94 003	10,0	35,0	80,0	72,0
Weldon 12	8 779 94 004	12,0	42,0	80,0	72,0
Weldon 14	8 779 94 005	14,0	44,0	80,0	72,0
Weldon 16	8 779 95 005	16,0	48,0	80,0	72,0
Weldon 18	8 779 95 006	18,0	50,0	80,0	72,0
Weldon 20	8 779 96 004	20,0	52,0	80,0	72,0
Weldon 1/4"	8 779 92 004	1/4"	25,0	80,0	72,0
Weldon 3/8"	8 779 93 006	3/8"	35,0	80,0	72,0
Weldon 1/2"	8 779 94 013	1/2"	42,0	80,0	72,0
Weldon 5/8"	8 779 94 014	5/8"	48,0	80,0	72,0
Weldon 3/4"	8 779 95 010	3/4"	52,0	80,0	72,0
Weldon 1"	8 779 97 006	1"	72,0	80,0	72,0

 ZB 655 ...*

further dimensions from
ø d = 3 mm on request

Shrinking chuck

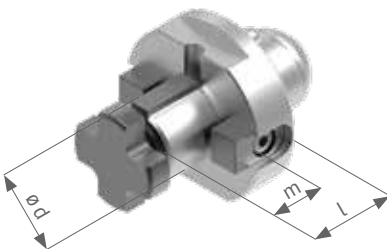


nominal size	ref.-no.	ø d (mm)	ø e (mm)	l (mm)	m (mm)
6	8 779 92 002	6,0	27,0	42,0	34,0
8	8 779 93 002	8,0	27,0	42,0	34,0
10	8 779 94 007	10,0	27,0	42,0	34,0
12	8 779 94 008	12,0	30,0	47,0	39,0
14	8 779 94 009	14,0	32,0	52,0	44,0
16	8 779 95 007	16,0	34,0	52,0	44,0
18	8 779 95 008	18,0	42,0	52,0	44,0
20	8 779 96 006	20,0	42,0	52,0	44,0
25	8 779 97 003	25,0	53,0	60,0	52,0
32	8 779 98 001	32,0	53,0	70,0	62,0

 ZB 655 ...*

further dimensions from ø d = 3 mm on request

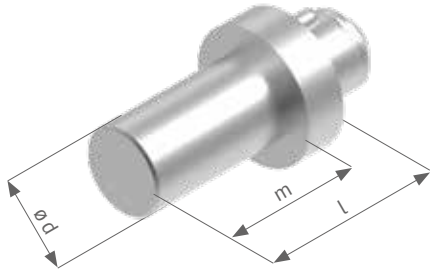
Arbor



clamping system	ref.-no.	ø d (mm)	l (mm)	m (mm)
universal arbor 22	8 779 95 002	22,0	42,0	19,0
universal arbor 27	8 779 96 001	27,0	44,0	21,0
universal arbor 32	8 779 97 001	32,0	47,0	24,0
universal arbor 40	8 779 98 002	40,0	50,0	27,0
universal arbor 1½"	8 779 93 007	1½"	40,0	14,3
universal arbor ¾"	8 779 94 015	¾"	44,0	17,45
universal arbor 1"	8 779 95 011	1"	46,0	17,45
universal arbor 1¼"	8 779 96 009	1¼"	46,0	17,45
universal arbor 1½"	8 779 97 007	1½"	54,0	23,8

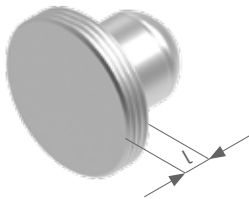
 ZB 655 ...*  ZB 620 ...*

Test mandrel



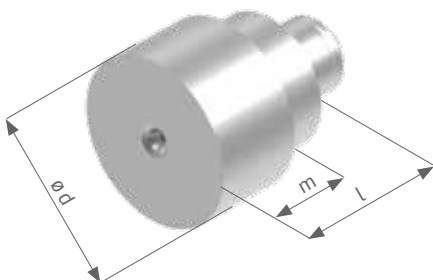
nominal size	ref.-no.	ø d (mm)	l (mm)	m (mm)
40	8 208 99 000	40,0	200,0	182,0

Plug



ref.-no.	l (mm)
8 779 99 000	12,0

Blank



nominal size	ref.-no.	ø d (mm)	l (mm)	m (mm)
100	8 779 99 001	100,0	180,0	165,0

material C 60

Partial hardening if necessary: induction-hardening is possible.

Allen wrench

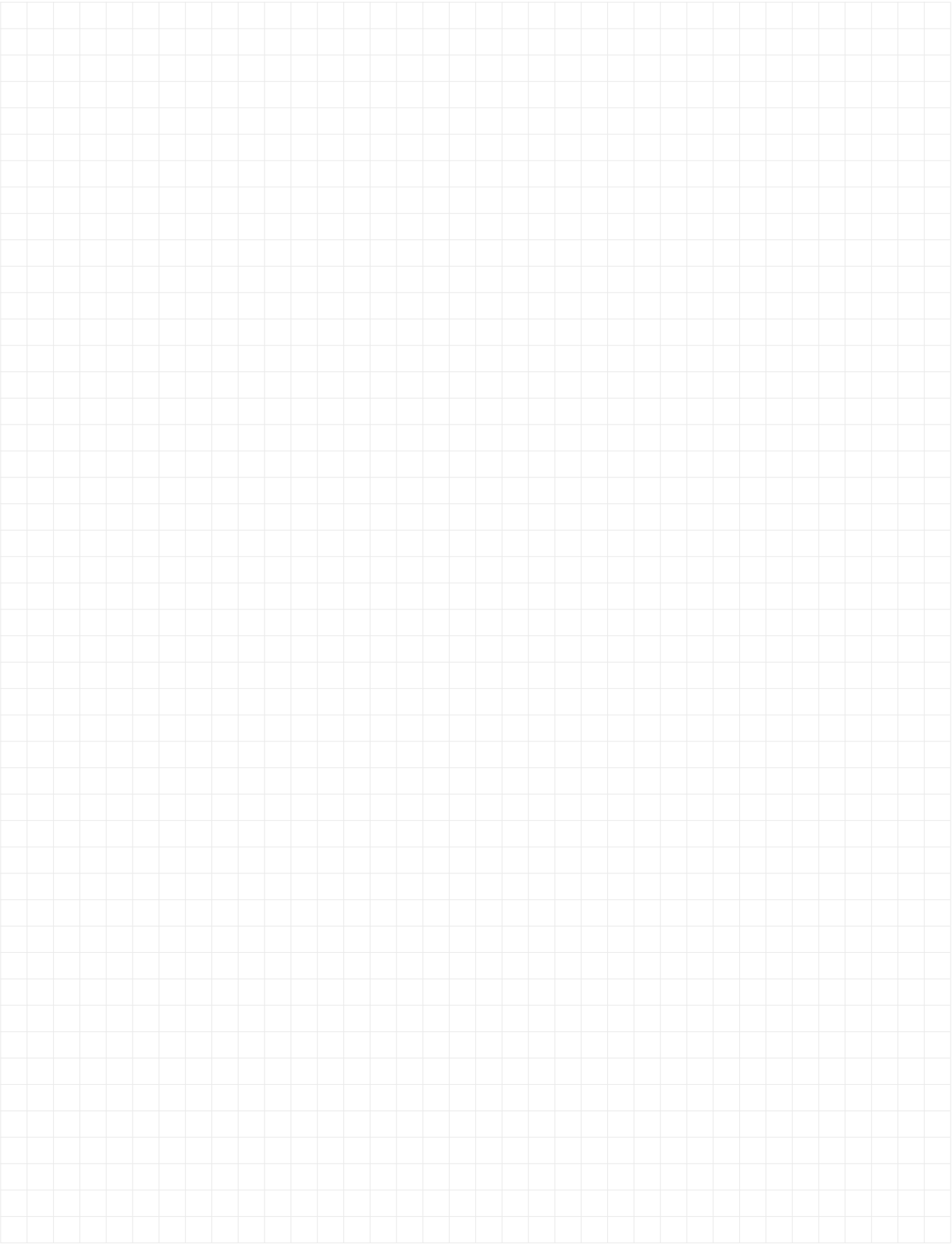


clamping system	ref.-no.	wrench size (mm)
HT 2	1 655 004 048	2,5
HT 3	1 655 004 034	3,0
HT 4	1 655 004 035	4,0
HT 5	1 655 004 036	5,0
HT 6	1 655 004 037	6,0
HT 7	1 655 004 025	10,0

Clamp screw



clamping system	ref.-no.	wrench size (mm)
HT 2	1 610 050 005	2,5
HT 3	1 610 050 002	3,0
HT 4	1 610 050 001	4,0
HT 5	1 610 050 000	5,0
HT 6	1 610 050 003	6,0
HT 7	1 610 050 004	10,0





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