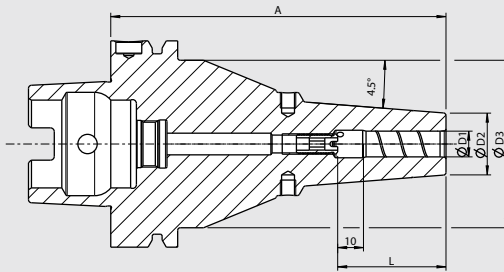


# HSK-A63/80

## TOOL HOLDERS



POWER SHRINK CHUCK  
HSK A63/80 (TAPER 63 mm/FLANGE 80 mm)  
INCH



CERTIFICATE OF QUALITY	
<input checked="" type="checkbox"/>	Chuck body fine balanced G2.5 33,000 rpm or U < 1 gmm
<input checked="" type="checkbox"/>	All functional surfaces fine machined
<input checked="" type="checkbox"/>	More accurate than DIN
<input checked="" type="checkbox"/>	T.I.R. < 0.00012" (3 µm)

The Power Shrink Chuck is designed for the highest cutting performance in high-speed manufacturing. The optimized design combines high rigidity with vibration dampening, which protects the machine, spindle and tool.

- Highest cutting performance with higher spindle speeds, higher feeds and larger cutting depths
- Shorter cycle times
- Higher machining accuracy

Delivery includes:






- Cool-Jet bores (sealed)
- With threaded holes for balancing screws
- Incl. pocket for data chip
- With thread for coolant tube

Clamping	Ø D1 [inch]	1/4	5/16	3/8	1/2	5/8	3/4	1
	Ø D2 [inch]	0.87	0.87	1.04	1.04	1.16	1.40	1.81
	L [inch] extra ultra short	—	—	—	—	—	1.71	1.85
Length A [inch] Order No.	extra ultra short A63/80.145...						2.75 .3/4z.5.i	2.75 .1z.5.i
	Ø D2 [inch]	0.87	0.87	1.04	1.04	1.16	1.40	1.77
	L [inch] ultrashort	1.50	1.50	1.69	1.81	1.93	1.93	2.24
Length A [inch] Order No.	ultra short A63/80.145...		3 .1/4z.3.i	3 .5/16z.3.i	3 .3/8z.3.i	3 .1/2z.3.i	3 .5/8z.3.i	3 .3/4z.3.i
Length A [inch] Order No.	short A63/80.140...							3.5 .1z.3.i

Length A = ZG130

Clamping	Ø D1 [inch]	1/4	5/16	3/8	1/2	5/8
	Ø D2 [inch]	0.83	0.83	0.94	0.94	1.06
	Ø D2 [inch]	2.56	2.56	2.56	2.56	2.56
	L [inch]	1.42	1.42	1.65	1.85	1.97
Length A [inch] Order No.	ZG130 A63/80.144...		5* .1/4z.3.i	5* .5/16z.3.i	5* .3/8z.3.i	5* .1/2z.3.i

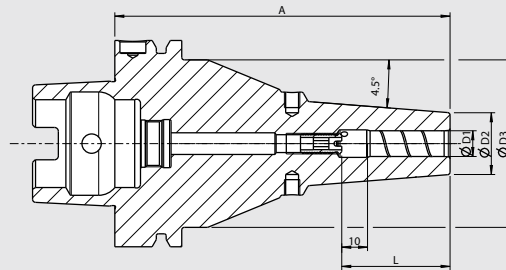
Accessories

Shrink fit extensions		See Tool Holder catalog	
Balance screws		Order No. 80.203.00	
Cool Flash		Order No. 91.100.40	
Balluff-Chip		Order No. 909009-0002	
Coolant tube		Order No. 85.700.63	
Cooling adapters for extra ultra short holders			
Size		Ø 20	Ø 25
Order No.	80.105...	.16.0045	.18.0011
Cooling grooves on request			

# POWER SHRINK CHUCK WITH SAFE-LOCK® HSK A63/80 (TAPER 63 mm/FLANGE 80 mm) INCH

## CERTIFICATE OF QUALITY

- ✓ Chuck body fine balanced  
G2.5 33,000 rpm or U<1 gmm
- ✓ All functional surfaces fine machined
- ✓ More accurate than DIN
- ✓ T.I.R. < 0.00012" (3 µm)



**The Power Shrink Chuck is designed for the highest cutting performance in high-speed manufacturing. The optimized design combines high rigidity with vibration dampening, which protects the machine, spindle and tool.**

- Highest cutting performance with higher spindle speeds, higher feeds and larger cutting depths
- Shorter cycle times
- Higher machining accuracy

## Delivery includes:

- Safe-Lock™ pull-out protection
- Cool-Jet bores (sealed)
- With threaded holes for balancing screws
- Incl. pocket for data chip
- With thread for coolant tube

Clamping	Ø D1 [inch]	1/2	5/8	3/4	1
	Ø D2 [inch] extra ultra short			1.40	1.77
	L [inch] extra ultra short			1.93	2.24
Length A [inch]	extra ultra short			2.75	2.75
Order No.	A63/80.145...			.3/4z.57.i	.1z.57.i
	Ø D2 [inch]	1.04	1.16	1.40	1.77
	L [inch]	1.81	1.93	1.93	2.24
Length A [inch]	ultra short	3	3	3	3
Order No.	A63/80.145...	.1/2z.37.i	.5/8z.37.i	.3/4z.37.i	.1z.37.i
Length A [inch]	short				3.5
Order No.	A63/80.140...				.1z.37.i

## Length A = ZG130

Clamping	Ø D1 [inch]	1/2	5/8
	Ø D2 [inch]	0.94	1.06
	Ø D3 [inch]	2.56	2.56
	L [inch]	1.85	1.97
Length A [inch]	ZG130	5*	5*
Order No.	A63/80.144...	.1/2z.37.i	.5/8z.37.i

## Accessories

### Shrink fit extensions



See Tool Holder catalog

### Balance screws



Order No. 80.203.00

### Cool Flash



Order No. 91.100.40

### Balluff-Chip



Order No. 909009-0002

### Coolant tube



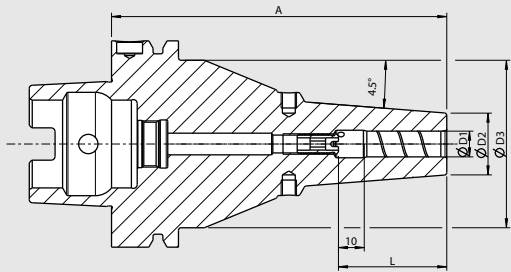
Order No. 85.700.63

## Cooling adapters for extra ultra short holders

Size	Ø 20	Ø 25
Order No.	80.105...	.16.0045 .18.0011

\* With back-up screw

POWER SHRINK CHUCK  
HSK A63/80 (TAPER 63 mm/FLANGE 80 mm)  
METRIC



CERTIFICATE OF QUALITY	
<input checked="" type="checkbox"/>	Chuck body fine balanced G2.5 33,000 rpm or U < 1 gmm
<input checked="" type="checkbox"/>	All functional surfaces fine machined
<input checked="" type="checkbox"/>	More accurate than DIN
<input checked="" type="checkbox"/>	T.I.R. < 0.00012" (3 µm)

The Power Shrink Chuck is designed for the highest cutting performance in high-speed manufacturing. The optimized design combines high rigidity with vibration dampening, which protects the machine, spindle and tool.

- Highest cutting performance with higher spindle speeds, higher feeds and larger cutting depths
- Shorter cycle times
- Higher machining accuracy

Delivery includes:

- Cool-Jet bores (sealed)
- With threaded holes for balancing screws
- Incl. pocket for data chip
- With thread for coolant tube






Standard version, similar to DIN 69882-8

Clamping	Ø D1 [mm]	06	08	10	12	16	20	25	32
	Ø D2 [mm] extra ultra short	22	22	27	26.5	29.5	35.5	46	
	L [mm] extra ultra short	—	—	41	—	—	43.5	47	
Length A [mm]	extra ultra short			65			70	70	
Order No.	A63/80.145...			.10.5			.20.5	.25.5	
	Ø D2 [mm]	22	22	26.5	26.5	29.5	35.5	45	45
	L [mm]	38	38	43	46	49	49	57	59
Length A [mm]	ultra short	70	70	70	70	75	75	80	
Order No.	A63/80.145...	.06.3	.08.3	.10.3	.12.3	.16.3	.20.3	.25.3	
Length A [mm]	short							90	90
Order No.	A63/80.140...							.25.3	.32.3

Length A = ZG130

Clamping	Ø D1 [mm]	06	08	10	12	16
	Ø D2 [mm]	21	21	24	24	27
	Ø D3 [mm]	65	65	65	65	65
	L [mm]	36	36	42	47	50
Length A [mm]	ZG130	130	130	130	130	130
Order No.	A63/80.144...	.06.3*	.08.3*	.10.3*	.12.3*	.16.3*

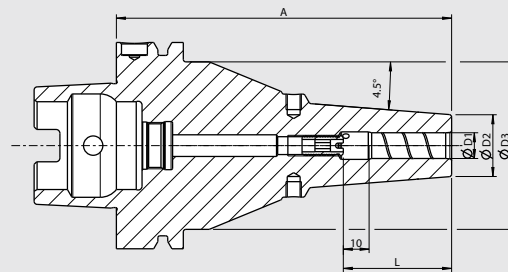
Accessories

Shrink fit extensions		See Tool Holder catalog	
Balance screws		Order No. 80.203.00	
Cool Flash		Order No. 91.100.40	
Balluff-Chip BIS-C-122-04/L		Order No. 909009-0002	
Coolant tube		Order No. 85.700.63	
Cooling adapters for extra ultra short holders			
Size		Ø 20	Ø 25
Order No.	80.105...	.16.0045	.18.0011
Cooling grooves on request			

# POWER SHRINK CHUCK WITH SAFE-LOCK® HSK A63/80 (TAPER 63 mm/FLANGE 80 mm) METRIC

## CERTIFICATE OF QUALITY

- ☒ Chuck body fine balanced  
G2.5 33,000 rpm or U < 1 gmm
- ☒ All functional surfaces fine machined
- ☒ More accurate than DIN
- ☒ T.I.R. < 0.00012" (3 µm)



The Power Shrink Chuck is designed for the highest cutting performance in high-speed manufacturing. The optimized design combines high rigidity with vibration dampening, which protects the machine, spindle and tool.

- Highest cutting performance with higher spindle speeds, higher feeds and larger cutting depths
- Shorter cycle times
- Higher machining accuracy

## Delivery includes:

- Safe-Lock™ pull-out protection
- Cool-Jet bores (sealed)
- With threaded holes for balancing screws
- Incl. pocket for data chip
- With thread for coolant tube

## Standard version, similar to DIN 69882-8

Clamping	Ø D1 [mm]				12	16	20	25
	Ø D2 [mm] extra ultra short						35.5	46
	L [mm] extra ultra short						43.5	47
Length A [mm]	extra ultra short						70	70
Order No.	A63/80.145...						.20.57	.25.57
	Ø D2 [mm]				26.5	29.5	35.5	45
	L [mm]				46	49	49	57
Length A [mm]	ultra short				70	75	75	80
Order No.	A63/80.145...				.12.37	.16.37	.20.37	.25.37
Length A [mm]	short							90
Order No.	A63/80.140...							.25.37

## Length A = ZG130

Clamping	Ø D1 [mm]				12	16
	Ø D2 [mm]				24	27
	Ø D3 [mm]				65	65
	L [mm]				47	50
Length A [mm]	ZG130				130*	130*
Order No.	A63/80.144...				.12.37	.16.37

## Accessories

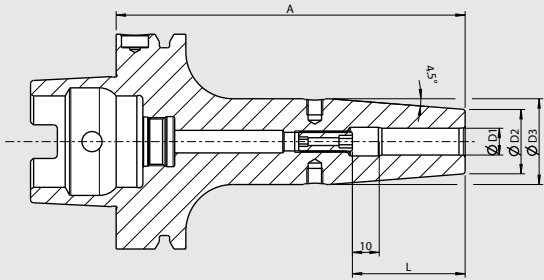
Shrink fit extensions		See Tool Holder catalog
Balance screws		Order No. 80.203.00
Cool Flash		Order No. 91.100.40
Balluff-Chip BIS-C-122-04/L		Order No. 909009-0002
Coolant tube		Order No. 85.700.63

## Cooling adapters for extra ultra short holders

Size	Ø 20	Ø 25
Order No.	80.105... .16.0045	.18.0011

\* With back-up screw

STANDARD SHRINK FIT CHUCK  
HSK A63/80 (TAPER 63 mm/FLANGE 80 mm)



CERTIFICATE OF QUALITY	
<input checked="" type="checkbox"/>	Chuck body fine balanced G2.5 33,000 rpm or U<1 gmm
<input checked="" type="checkbox"/>	All functional surfaces fine machined
<input checked="" type="checkbox"/>	More accurate than DIN
<input checked="" type="checkbox"/>	T.I.R. < 0.00012" (3 µm)

**Use:**  
Suitable for all shrink fit machines.

- DIN 69893-1**
- With threaded holes for balancing screws
  - Included in delivery: Shrink fit chuck with backup screw, without coolant tube
  - Heat resistant hot-working steel
  - Hardened 54–2 HRC
  - For HSS and solid carbide tools
  - Shank tolerance h6
  - Cooling Systems Cool-Jet and Cool Flash available on request

Standard version, similar to DIN 69882-8

INCH

Clamping	Ø D1 [inch]	1/4	5/16	3/8	1/2	5/8
	Ø D2 [inch]	0.83	0.83	0.94	0.94	1.06
	Ø D3 [inch]	1.06	1.06	1.26	1.26	1.34
	L [inch]	1.42	1.42	1.65	1.85	1.97
Length A [inch]	ZG130	5	5	5	5	5
Order No.	A63/80.144...	.1/4z.i	.5/16z.i	.3/8z.i	.1/2z.i	5/8z.i

METRIC

Clamping	Ø D1 [mm]	06	08	10	12	14	16	18
	Ø D2 [mm]	21	21	24	24	27	27	33
	Ø D3 [mm]	27	27	32	32	34	34	42
	L [mm]	36	36	42	47	47	50	50
Length A [mm]	ZG130	130	130	130	130	130	130	130
Order No.	A63/80.144...	.06	.08	.10	.12	.14	.16	.18

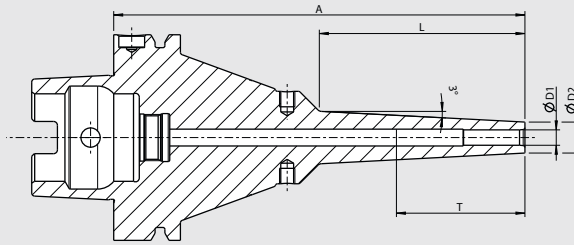
Accessories		
Shrink fit extensions		See Tool Holder catalog
Balance screws		Order No. 80.203.00
Cool-Jet bores		Order No. 91.100.24
Cool Flash Upgrade incl. Cool-Jet		Order No. 91.100.41
Balluff-Chip BIS-C-122-04/L		Order No. 909009-0002
Coolant tube		Order No. 85.700.63
Reduction sleeves		See Tool Holder catalog
Back-up screws		See Tool Holder catalog
Cooling grooves on request		

# POWER MINI SHRINK HSK A63/80 (TAPER 63 mm/FLANGE 80 mm)

HAIMER®

## CERTIFICATE OF QUALITY

- ☒ Chuck body fine balanced  
G2.5 33,000 rpm or U<1 gmm
- ☒ All functional surfaces fine machined
- ☒ More accurate than DIN
- ☒ T.I.R. < 0.00012" (3 µm)

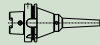


Power Mini Shrink Chuck is perfect for 5-axis-machining of parts that are difficult to access. Very slim at the top like the HAIMER Mini Shrink Chucks, the Power Mini Shrink is reinforced at the base. This allows for efficient milling with an angled tool even at long protruding lengths.

- 3 mm wall thickness
- 3° slope at the top
- With threaded holes for balancing screws
- For solid carbide tools with shank tolerance h6
- **Attention: Shrinking only with shrink and cooling adapter**

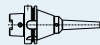
## INCH

Clamping	Ø D1 [inch]	1/8	1/4	5/16	3/8	1/2
	Ø D2 [inch]	0.35	0.47	0.55	0.63	0.71
	T [inch]	—	—	—	2.68	2.95
	L [inch]	3.15	3.15	3.15	3.15	3.15
Length A [inch]	oversize	6.5	6.5	6.5	6.5	6.5
Order No.	A63/80.182...	.1/8z.8.i	.1/4z.8.i	.5/16z.8.i	.3/8z.8.i	.1/2z.8.i



## METRIC

Clamping	Ø D1 [mm]	03	04	05	06	08	10	12
	Ø D2 [mm]	09	10	11	12	14	16	18
	T [mm]	—	—	—	—	—	68	75
	L [mm]	80	80	80	80	80	80	80
Length A [mm]	oversize	160	160	160	160	160	160	160
Order No.	A63/80.182...	.03.8	.04.8	.05.8	.06.8	.08.8	.10.8	.12.8



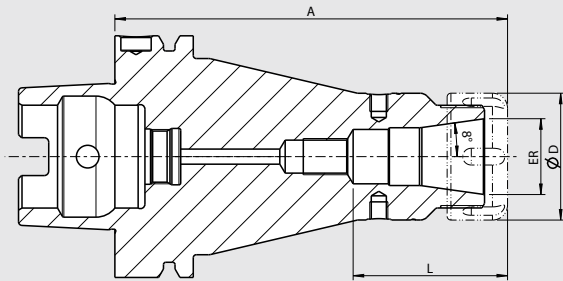
### Mini Shrink shrink and cooling sleeve

- Protect Mini Shrink chucks from overheating
- Extend lifetime of shrink fit chucks
- Secure and user-friendly handling
- Cooling with standard cooling body

## Fitting sleeves for Mini Shrink chucks

Size [mm]	Ø 03	Ø 06	Ø 08	Ø 10	Ø 12	Order No.
Size [inch]	Ø 1/8"	Ø 1/4"	Ø 5/16"	Ø 3/8"	Ø 1/2"	
Order No.	80.105.14.2...	.04	.09	.10	.11	.12
Base						80.105.14.2.99
Set with base (12 pcs)						80.105.14.2.00

POWER COLLET CHUCK  
HSK A63/80 (TAPER 63 mm/FLANGE 80 mm)



CERTIFICATE OF QUALITY

- ✓ Chuck body fine balanced  
G2.5 33,000 rpm or U < 1 gmm
- ✓ All functional surfaces fine machined
- ✓ More accurate than DIN

The Power Collet Chuck is the collet chuck for the highest machining capacity in high-speed manufacturing. The optimized design with better construction combines high rigidity with vibration dampening features, giving more protection to machines, spindles and tools. The universal Power Collet Chuck is a unique high performance chuck that can also be used with standard collets.

- High runout accuracy: 0.003 mm at 3 × D with HAIMER Power Collets
- Also for standard collets ER according to ISO 15488 (Attention: By using standard collet ER length A will increase)
- High rigidity
- Smoother running thanks to vibration absorbing geometry, yielding better surface finish and increased tool, spindle and machine protection
- Increased machining capacity due to higher spindle speeds, higher feed rates and larger cutting depths
- Shorter cycle times, higher machining accuracy, high clamping force
- Equally suited to high-speed manufacturing and heavy milling
- With threaded holes for balancing screws
- Optional: Cool-Jet bores on Power Collets from ER 25, Ø 6 mm
- Program of Power Collets on page 10




INCH

ER		16	25	32
Ø D [inch]		1.10	1.65	1.97
Clamping range [inch]		1/8–3/8	1/8–5/8	1/8–3/4
L [inch]		1.69	1.97	1.87
Length A [inch]	ultra short	2.95	2.95	2.95
Order No.	A63/80.025...	.16.3	.25.3	.32.3
Length A [inch]	ZG130	5.12	5.12	5.12
Order No.	A63/80.024...	.16.3	.25.3	.32.3

METRIC

ER		16	25	32
Ø D [mm]		28	42	50
Clamping range [mm]		2.0–10.0	2.0–16.0	2.0–20.0
L [mm]		43	50	47.5
Length A [mm]	ultra short	75	75	75
Order No.	A63/80.025...	.16.3	.25.3	.32.3
Length A [mm]	ZG130	130	130	130
Order No.	A63/80.024...	.16.3	.25.3	.32.3

Accessories

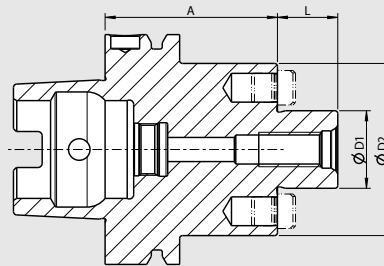
Locknut (fine-balanced)				
Size		ER 16	ER 25	ER 32
Order No. 83.914...		.16	.25	.32
Clamping wrench		See Tool Holder catalog		
Torque wrench for Power Collet Chucks		See Tool Holder catalog		
Order No. 84.600.00				
Power Collets				See page 10
Power Collets with Safe-Lock™				See page 11
Cool-Jet bores for Power Collets				See page 11
Order No. 91.100.27				



# FACE MILL ARBOR HSK A63/80 (TAPER 63 mm/FLANGE 80 mm)

## CERTIFICATE OF QUALITY

- ☒ Chuck body fine balanced  
G2.5 33,000 rpm or U<1 gmm
- ☒ All functional surfaces fine machined
- ☒ More accurate than DIN



## Use:

For holding face mill cutters and cutters with radial driving slot DIN 1880.  
Exceeding clamping diameter 40 clamping according to DIN 2079 is also possible (4 additional tapping holes).

## DIN 69882-3

- Included in delivery: tightening bolt, without coolant tube
- With coolant exit bores on the end face for milling cutters with central cooling

## INCH

Clamping	Ø D1 [inch]	3/4	1
	Ø D2 [inch]	1.71	2.17
	L [inch]	0.67	0.67
Length A [inch]	short	1.97	2.36
Order No.	A63/80.050...	.3/4z.i	.1z.i

## METRIC

Clamping	Ø D1 [mm]	22	27
	Ø D2 [mm]	48	60
	L [mm]	19	21
Length A [mm]	short	50	60
Order No.	A63/80.050...	.22	.27

## Accessories

### Tightening bolt

Size D1		22	27
Order No.	85.300...	.22	.27

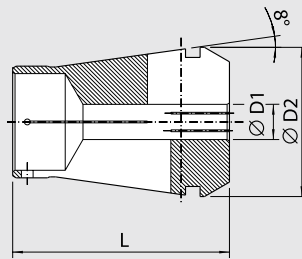
### Wrench

Size D1		22	27
Order No.	84.400...	.22	.27

### Balancing index rings

Size D1		22	27
Order No.	79.350...	.50	.60

POWER COLLET FOR HAIMER POWER COLLET CHUCK



- High runout accuracy: 0.003 mm at 3 × D
- Superior clamping strength
- Fits HAIMER Power Collet Chucks
- For cylindrical shanks with tolerance h10
- Optional: Cool-Jet bores from Ø 6 mm (1/4") at ER25

INCH

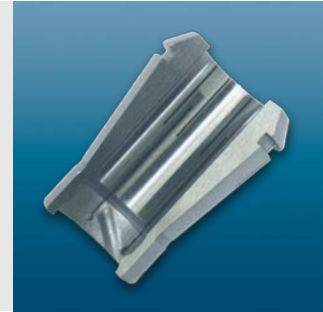
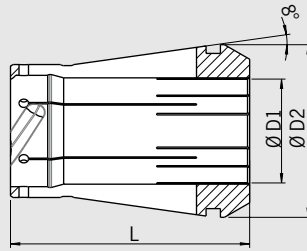
ER 16 Clamping Ø [inch]		D1	D2	L
Order No.	81.163.1/8z	1/8	0.65	1.18
	81.163.3/16z	3/16	0.65	1.18
	81.163.1/4z	1/4	0.65	1.18
	81.163.5/16z	5/16	0.65	1.18
	81.163.3/8z	3/8	0.65	1.18

ER 25 Clamping Ø [inch]		D1	D2	L
Order No.	81.253.1/8z	1/8	1.00	1.46
	81.253.3/16z	3/16	1.00	1.46
	81.253.1/4z	1/4	1.00	1.46
	81.253.5/16z	5/16	1.00	1.46
	81.253.3/8z	3/8	1.00	1.46
	81.253.7/16z	7/16	1.00	1.46
	81.253.1/2z	1/2	1.00	1.46
	81.253.9/16z	9/16	1.00	1.46
	81.253.5/8z	5/8	1.00	1.46

METRIC

ER 16 Clamping Ø [mm]		D1	D2	L
Order No.	81.163.02	2	16.45	30
	81.163.03	3	16.45	30
	81.163.04	4	16.45	30
	81.163.05	5	16.45	30
	81.163.06	6	16.45	30
	81.163.08	8	16.45	30
	81.163.10	10	16.45	30

ER 25 Clamping Ø [mm]		D1	D2	L
Order No.	81.253.02	2	25.45	37
	81.253.03	3	25.45	37
	81.253.04	4	25.45	37
	81.253.05	5	25.45	37
	81.253.06	6	25.45	37
	81.253.08	8	25.45	37
	81.253.10	10	25.45	37
	81.253.12	12	25.45	37
	81.253.14	14	25.45	37
	81.253.16	16	25.45	37



- High-precision Power Collets with stabilization and concentration through pilot of collet
- High torque due to form closed clamping
- No pull out and no spinning of the tool
- Groove on tool shank is directed so that the tool will be pulled into the chuck (depending on direction of rotation)
- Sealed for internal coolant

## INCH

ER 16 Clamping Ø [inch]	D1	D2	L
Order No. 81.163.3/8z.7	3/8	1.00	1.46

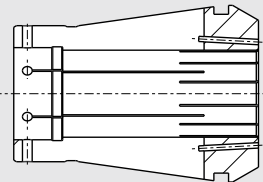
ER 25 Clamping Ø [inch]	D1	D2	L
Order No. 81.253.3/8z.7	3/8	1.00	1.46
81.253.1/2z.7	1/2	1.00	1.46
81.253.5/8z.7	5/8	1.00	1.46

## METRIC

ER 16 Clamping Ø [mm]	D1	D2	L
Order No. 81.163.06.7	6	16.45	30
81.163.08.7	8	16.45	30
81.163.10.7	10	16.45	30

ER 25 Clamping Ø [mm]	D1	D2	L
Order No. 81.253.06.7	6	25.45	37
81.253.08.7	8	25.45	37
81.253.10.7	10	25.45	37
81.253.12.7	12	25.45	37
81.253.14.7	14	25.45	37
81.253.16.7	16	25.45	37

## COOL-JET BORES FOR POWER COLLETS



### Optional: Cool-Jet for Power Collets

- Optimized coolant bores, aimed at center in the collet
- Coolant directly to the cutting edge
- Extended tool life up to 100%
- Higher reliability of cutting process
- No more balls of chips on tools
- Starting at ER25 Ø 6 mm

### Cool-Jet bores for Power Collets

Order No. 91.100.27



Tooling Technology



Shrinking Technology



Balancing Technology



Measuring Instruments



Tool Management

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