

# 10

## Clamping systems Mandrins et accessoires de serrage

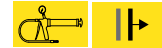


**FREZITE** 

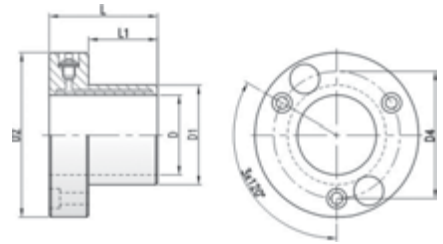
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## Hydro Clamping sleeve Manchon de serrage hydraulique

D	D1	D2	D4	L	L1	Ref.
30	40	83	64	55	35	724.101
	50	83	64	55	35	724.102
35	50	83	64	55	35	724.103
	60	93	74	55	35	724.105
40	50	83	64	55	35	724.104
	60	93	74	55	35	724.106
45	60	93	74	55	35	724.107
50	60	93	74	55	35	724.111



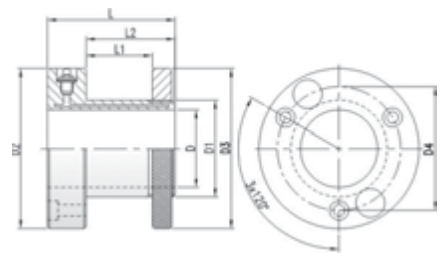
# 724



The sleeve only expands against the machine spindle. The tool and sleeve should be bolted together. Pressurizing is carried out with a high pressure grease pump.

Le manchon ne fait expansion que contre l'arbre de la machine. L'outil et le manchon doivent se goujonner conjointement. La pression est effectuée avec une pompe à graisse à haute pression.

D	D1	D2	D3	D4	L	L1	L2	Ref.
30	50	83	83	64	75	40	55	724.201
35	50	83	83	64	75	40	55	724.202
	50	83	83	64	115	80	95	724.203
	50	83	83	64	165	130	145	724.204
	60	93	90	74	75	40	55	724.205
	60	93	90	74	115	80	95	724.206
	60	93	90	74	140	105	120	724.207
40	50	83	83	64	75	40	55	724.211
	50	83	83	64	115	80	95	724.213
	50	83	83	64	140	105	120	724.215
	50	83	83	64	165	130	145	724.216
	50	83	83	64	190	155	170	724.217
	60	93	90	74	75	40	55	724.218
	60	93	90	74	115	80	95	724.220
	60	93	90	74	140	105	120	724.221
	60	93	90	74	165	130	145	724.224
	60	93	90	74	215	180	195	724.226
45	60	93	90	74	75	40	55	724.228
	60	93	90	74	115	80	95	724.230
	60	93	90	74	140	105	120	724.232
	60	93	90	74	190	155	170	724.234
	60	93	90	74	240	205	220	724.236
50	60	93	90	74	75	40	55	724.238
	60	93	90	74	115	80	95	724.240
	60	93	90	74	140	105	120	724.242
	60	93	90	74	190	155	170	724.243
	60	93	90	74	240	205	220	724.245



The sleeve expands against the tool and machine spindle. The sleeve can easily be used with different tools. Pressurizing is carried out with a high pressure grease pump.

Le manchon se dilate contre l'outil et la broche de la machine. Le manchon peut facilement être utilisé avec différents outils. La pression est effectuée avec une pompe à graisse à haute pression.

### Spare parts - Pièces de rechange

	Ref.
Grease pump - Pompe de chargement	724.401
Grease cartridge - Chargement	724.402



10

## Hydro Clamping sleeve Manchon de serrage hydraulique

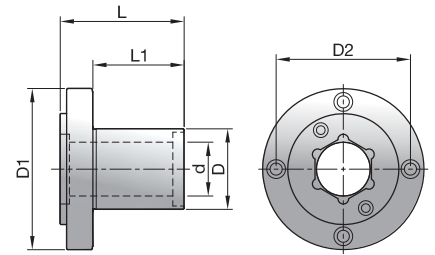
d	D	D1	D2	L	L1	Ref.
40	60	120	100	92	68	724.301

The sleeve expands against the tool and machine spindle with hexagonal spindle profile. The sleeve can easily be used with different tools. Pressurizing is carried out with a high pressure grease pump. Safety disc is not included.

Le manchon se dilate contre l'outil et la broche de la machine. Le manchon peut facilement être utilisé avec différents outils. La pression est effectuée avec une pompe à graisse à haute pression.



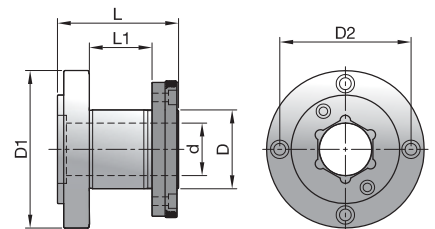
# 724



d	D	D1	D2	L	L1	Ref.
40	60	120	100	92	55	724.350

Hydro sleeve with microthread allowing easy set up. The sleeve expands against the tool and machine spindle with hexagonal spindle profile. The sleeve can easily be used with different tools. Safety disc is not included.

Le manchon hydraulique avec réglage micrométrique permet un réglage facile. Le manchon se dilate contre l'outil et la broche de la machine. Le manchon peut facilement être utilisé avec différents outils. La pression est effectuée avec une pompe à graisse à haute pression.

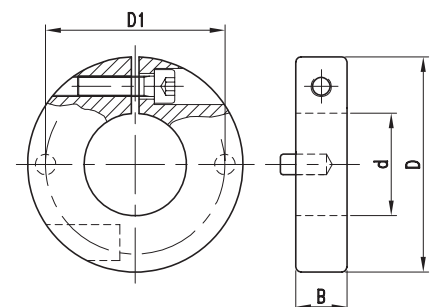


### Spare parts - Pièces de rechange

						Ref.
Clamping flange with sealing ring - Flasque de serrage avec bague d'étanchéité						724.403



d	B	D	D1	Ref.
40	20	84	2/8/70	724.404.40
50	20	92	2/8/75	724.404.50



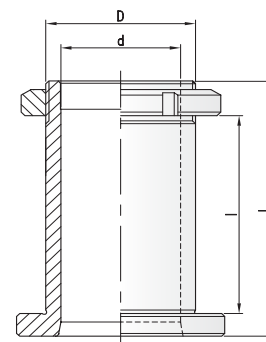
## Sleeve with locking nut

### Manchons de serrage avec écrou

d	D	L	l	Ref.LH	Ref.RH
30	50	85	63	704.271	704.171
	60	85	63	704.251	704.151
	50	110	88	704.281	704.181
	60	110	88	704.261	704.161
35	50	85	63	704.272	704.172
	60	85	63	704.252	704.152
	50	110	88	704.282	704.182
	60	110	88	704.262	704.162
40	50	85	63	704.273	704.173
	60	85	63	704.253	704.153
	50	110	88	704.283	704.183
	60	110	88	704.263	704.163
50	60	85	63	704.254	704.154
	60	110	88	704.264	704.164

#### Spare parts - Pièces de rechange

	Dim.	Ref.
Hook wrench - Clés plates	D=50	706.501
	D=60	706.502



# 704

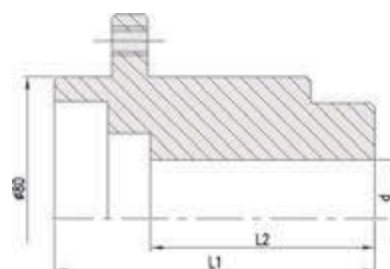
## Flange sleeve

### Manchons secs

L1	L2	d	TK		Ref.
90	63	35	8/M8/100	Homag, IMA, Torwegge	730.101
97	68	40	8/M8/100	Schwabedissen, Gabbiani	730.102

#### Spare parts - Pièces de rechange

	Dim.	Ref.
Screw for hogsers with segments Vis pour décheteur avec segments	M8x12	705.700.12
Screw for compact hogger Vis pour décheteur compact	M8x16	705.700.16



# 730

# 10

## Hydro tool holder Mandrin à serrage hydro

	d1	D	L1	L2	S	Ref.
new	12	36	87	40	HSK63F	A724.012.140.60
new	16	36	87	40	HSK63F	A724.016.140.60
new	20	40	99	52	HSK63F	A724.020.152.60
new	25	45	103	56	HSK63F	A724.025.156.60



# A724



### Advantages:

- Easy and fast tool replacement.
- Clamping system assuring concentricity on 3xd1 max de 0,006mm.
- n max 25.000 rpm.

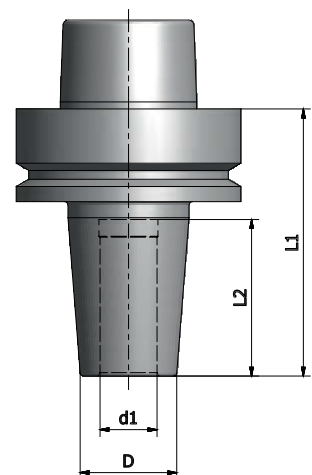
### Avantages:

- Facile et rapide changement de l'outil.
- Système de serrage avec concentricité à 3xd1 max de 0,006mm.
- n max 25.000 rpm.

## Shrink-fit chucks Mandrins à frotter

	d1	D	L1	L2	S	Ref.
new	10	24	75	40	HSK63F	A726.010.140.60
new	12	24	75	40	HSK63F	A726.012.140.60
new	14	27	75	44	HSK63F	A726.014.144.60
new	16	27	75	44	HSK63F	A726.016.144.60
new	18	33	75	45	HSK63F	A726.018.145.60
new	20	33	75	45	HSK63F	A726.020.145.60
new	25	36	75	52	HSK63F	A726.025.152.60

# A726



### Advantages:

- Clamping system assuring concentricity of 0,005mm.
- Suitable for shank tolerance h6.
- Increased tool life.
- n max 30.000 rpm.

### Avantages:

- Système de serrage avec concentricité de 0,005mm.
- Adapté pour toutes les queues h6.
- Augmentation de la durée de vie de l'outil.
- n max 30.000 rpm.

**Tool holder TRIBOS®**  
Système de serrage TRIBOS®

d	D1	L2	L3	S	A	Ref.
12	19	47	61	SK30	80	SCK.203 766
	19	48,5	49	HSK63F	75	SCK.202 373
20	30	52	61	SK30	80	SCK.203 768
	30	53	49	HSK63F	75	SCK.202 375
25	35	55	61	SK30	80	SCK.203 769
	35	55	49	HSK63F	75	SCK.202 376



Intermediate Sleeves - Manchons intermédiaires

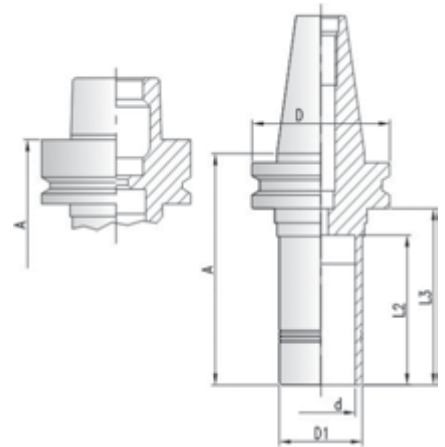
	d	d1	D	L1	L2	Ref.
new	20	6	24	50,5	2	SCK.217 923
new		8	24	50,5	2	SCK.217 925
new		10	24	50,5	2	SCK.217 927
new		12	24	50,5	2	SCK.217 929
new		14	24	50,5	2	SCK.217 931
new		16	24	50,5	2	SCK.217 933

Length increasers - Ralonneurs d'outils

S	d1	L1	L2	L3	L4	Ref.
12	3	100	55	29,5	17	SCK.215 705
	4	100	55	29,5	17	SCK.215 707
	5	100	55	29,5	17	SCK.215 709
20	6	100	50	35	37	SCK.205 600
	8	100	50	35	37	SCK.205 601
	10	100	50	40	42	SCK.205 602
	12	100	50	45	47	SCK.205 603
20	6	150	100	35	37	SCK.205 604
	8	150	100	35	37	SCK.205 605
	10	150	100	40	42	SCK.205 606
	12	150	100	45	47	SCK.205 607



# SCK25

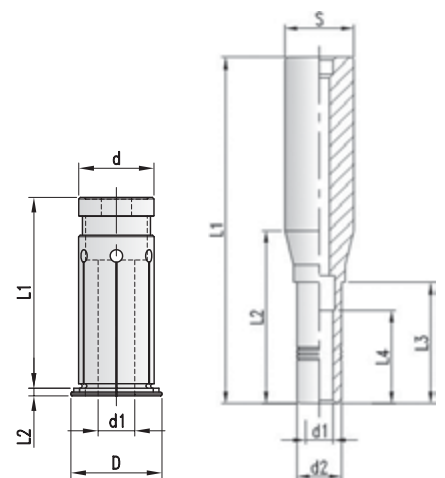


**Tool holder TRIBOS**

- Clamping system assuring concentricity  $\leq 0.003$  mm.
- Suitable for all shank type tools.
- Increased tool life.
- Better finish on the cutting surface.
- Quick tool change.
- Suitable for powerful milling operations.

**Système de serrage TRIBOS**

- Système de serrage avec concentricité  $\leq 0.003$  mm.
- Adapté pour tous les types d'outillage à queue.
- Augmentation de la durée de vie de l'outil.
- Meilleure finition sur la surface de coupe.
- Changement rapide des outils.
- Propre pour opérations d'usinage intenses.



Intermediate Sleeves  
Manchons intermédiaires

Length increasers.  
Ralonneurs d'outils



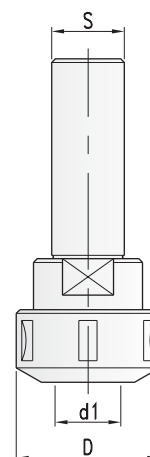
**TRIBOS®**

## Collet chucks Mandrins concentriques

D	d1	S	Ref.,LH	Ref.,RH
40	6-12,7	18		A424.024.131.18
		20		A424.024.131.20
		MK2/Ø20x14F/1"	A424.024.031.70	A424.024.131.70

### Spare parts - Pièces de rechange

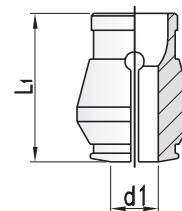
	Dim.	Ref.
Collet nut - Écrou de serrage	M30x1,5	709.003
THook wrench - Clés plates	40/42	706.500



# A424

Holder supplied without collet.  
Mandrin fourni sans pince.

d	L1	Ref.
6	31	A425.006.120.06
6,35	31	A425.096.120.96
8	31	A425.008.120.08
9,5	31	A425.099.120.99
10	31	A425.010.120.10
12	31	A425.012.120.12
12,7	31	A425.092.120.92





**Precision collet chucks**  
Mandrins concentriques de précision

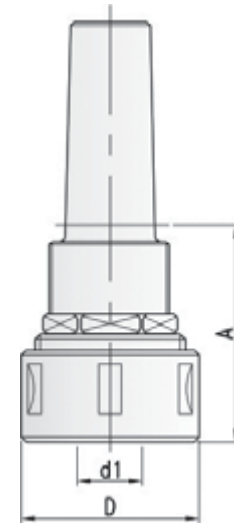
**A428**

D	d	S	A	Ref.,LH	Ref.,RH
<b>new</b> 50	6-20	ER32	25x55	62	A428.035.162.25 ■
			MK2/M30x1,5	A428.035.062.80	A428.035.162.80

■ For machines with Leuco PS system - Pour machines avec système PS Leuco

Spare parts - Pièces de rechange

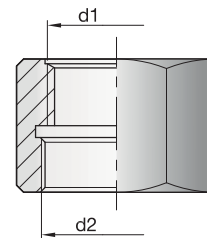
	Dim.	Ref.
Collet nut - Écrou de serrage	M40x1,5	RH 709.752
	M40x1,5	LH 709.757
THook wrench - Clés plates	45/50	706.504



Collet not included.  
Sans pince.

Cap nuts for router machines - Écrous de fixation de mandrins pour défonceuses

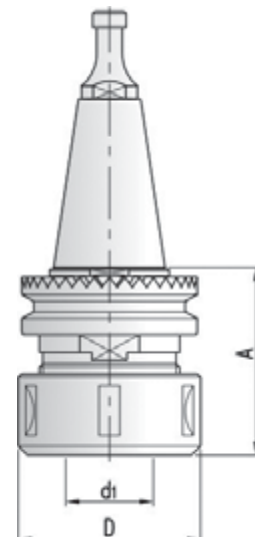
d1	d2	Ref.,LH	Ref.,RH
1 1/8x7Gg	Ø20x14F/1"		A481.100.120.01
	M30x1,5	A481.100.030.01	A481.100.130.01



S	D	A	d1	Pr.	Ref.
<b>SCM, Morbidelli</b>					
ISO 30	50	55	6-20	ER32	6
	60	72	6-25	462E	6

Spare parts - Pièces de rechange

	D	Dim.	Ref.
Collet nut - Écrou de serrage	50	M40x1,5	709.752
	60	M48x2	709.754
THook wrench - Clés plates	50	45/50	706.504
	60	58/62	706.503



Clamping nut with bearing, allowing RH and LH rotation.  
Holder supplied without collet.

Écrou de serrage à billes, ce qui permet une rotation à droite ou à gauche.  
Mandrin fourni sans pince.

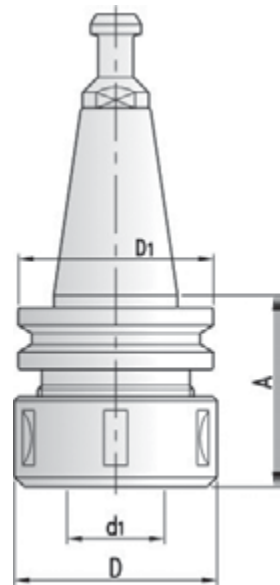


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**Precision collet chucks**  
**Mandrins concentriques de précision**

# A428

S	D	A	d1	D1	Pr.	Ref.
<b>IMA, Maka, Reichenbacher, Biesse, Alberti, Stegherr, etc.</b>						
SK30	50	50	6-20 /ER32	50	1	A428.150.150.65
	63	63	6-25 /ER40	50	1	A428.150.170.65
SK40	60	70	6-25 /462E	63,5	2	A428.150.170.66
<b>Alberti</b>						
SK30	50	50	6-20 /ER32	50	5	A428.450.150.65
	63	63	6-25 /ER40	50	5	A428.450.170.65
<b>Biesse until 9/92 - jusqu'à 9/92</b>						
SK30	50	50	6-20 /ER32	50	3	A428.250.150.65
	63	63	6-25 /ER40	50	3	A428.250.170.65
<b>Biesse after 9/92 (motor HSD) - après 9/92 (motor HSD)</b>						
SK30	50	50	6-20 /ER32	50	4	A428.350.150.65
	63	63	6-25 /ER40	50	4	A428.350.170.65
<b>CMS, Biesse</b>						
ISO30	50	50	6-20 /ER32	46	8	A428.146.150.65
	63	57	6-25 /ER40	46	8	A428.146.157.65
<b>Esseteam (motor Elte), Stemm</b>						
SK30	50	60	6-20 /ER32	58	9	A428.058.050.65
	63	67	6-25 /ER40	58	9	A428.058.150.65
<b>Masterwood until 1/ 99 (motor HSD) - jusqu'à 1/ 99 (motor HSD)</b>						
SK30	50	50	6-20/ER32	50	4	A428.350.150.65
<b>Masterwood after 1/ 99 (motor Colombo) - après 1/ 99 (motor Colombo)</b>						
SK30	63	63	6-25/ER40	50	5	A428.450.170.65
<b>Heian</b>						
BT35	60	70	6-25 /ER40	53	7	A428.153.170.64



Clamping nut with bearing, allowing RH and LH rotation.  
 Holder supplied without collet.

Écrou de serrage à billes, ce qui permet une rotation à droite ou à gauche.  
 Mandrin fourni sans pince.



**Spare parts - Pièces de rechange**

	D	Dim.	Ref.
Collet nut - Écrou de serrage	50	M40x1,5	709.752
	60	M48x2	709.754
THook wrench - Clés plates	50	45/50	706.504
	60	58/62	706.503



Mounting device see chap.11.  
 Dispositif de montage voir chap.11.

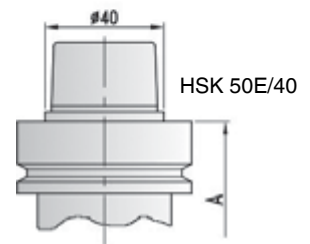
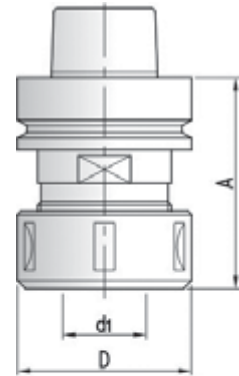
**Precision collet chucks**  
**Mandrins concentriques de précision**

S	D	A	d1	Ref.
HSK63F	50	70	6-20 /ER32	A435.060.170.60
	63	76	6-25 /ER40	A435.063.176.60
	60	76	6-25 /462E	A435.060.176.60
<b>Homag, IMA</b>				
HSK63F	60	115	6-25 /462E	A435.060.115.60
<b>CMS</b>				
HSK63E	50	65	6-20 /ER32	A435.050.265.60
	63	75	6-25 /ER40	A435.063.275.60
<b>Alberti</b>				
HSK 50E/40	50	60	6-20 /ER32	A435.050.360.60
	63	65	6-25 /ER40	A435.063.365.60

**Spare parts - Pièces de rechange**

	Dim.	Ref.
Collet nut - Écrou de serrage	50 M40x1,5 /ER32	709.752
	63 M50x1,5 /ER40	709.753
	60 M48x2 /462E	709.754
THook wrench - Clés plates	50 45/50	706.504
	60 58/62	706.503
	63 68/75	706.501

# A435



Clamping nut with bearing, allowing RH and LH rotation.  
 Holder supplied without collet.

Écrou de serrage à billes, ce qui permet une rotation à droite ou à gauche.  
 Mandrin fourni sans pince.



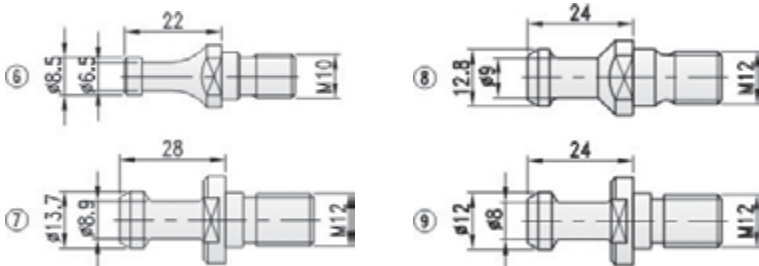
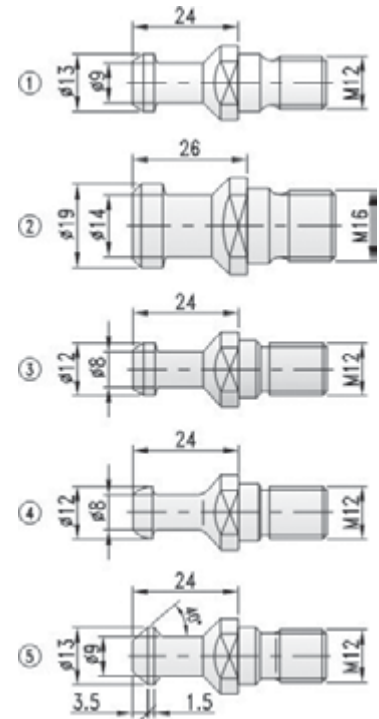
Mounting device see chap.11.  
 Dispositif de montage voir chap.11.



**Holding bolt**  
Ergot de maintien

Nr.		Ref.
1	SK30 IMA, Maka,Reichenbacher Weeke, etc.(DIN 69872)	A424.013.109.41
2	SK40 IMA, Maka,Reichenbacher Weeke, etc.(DIN 69872)	A424.019.114.99
3	SK30 Biesse : until 9/92 - jusqu'à 9/92	A424.012.108.41
4	SK30 Biesse : after 9/92 - après 9/92 Masterwood (motor HSD)	A424.012.308.41
5	SK30 Alberti Masterwood (motor Colombo)	A424.013.309.41
6	ISO30 SCM, Morbidelli	A424.008.106.40
7	BT35 Heian, Shoda	A424.013.208.41
8	ISO30 CMS	A424.912.109.41
9	SK30 Stemm, Esseteam (motor Elte)	A424.113.109.41

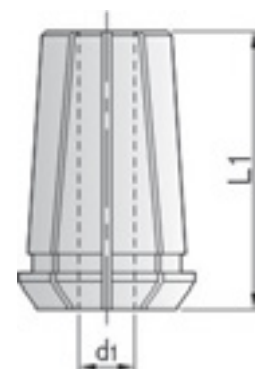
# A424



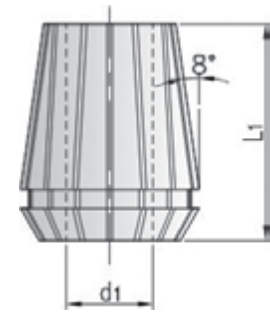
**Collets DIN 6388 / 462E**  
Pinces DIN 6388 / 462E

d1	L1		Ref.
3	52	DIN 6388 / 462 E	A425.035.152.03
4	52		A425.035.152.04
5	52		A425.035.152.05
6	52		A425.035.152.06
8	52		A425.035.152.08
10	52		A425.035.152.10
12	52		A425.035.152.12
14	52		A425.035.152.14
16	52		A425.035.152.16
18	52		A425.035.152.18
20	52	A425.035.152.20	
25	52	A425.035.152.25	

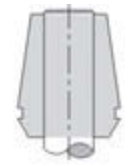
# A425



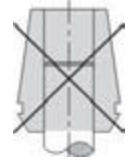
d1	D	L1	Ref.
<b>426 E / ER16</b>			
4	17	27,5	A429.000.127.04
6	17	27,5	A429.000.127.06
8	17	27,5	A429.000.127.08
10	17	27,5	A429.000.127.10
<b>428 E / ER20</b>			
6	21	31	A429.000.130.06
8	21	31	A429.000.130.08
10	21	31	A429.000.130.10
12	21	31	A429.000.130.12
<b>430 E / ER25</b>			
6	26	34	A429.000.135.06
8	26	34	A429.000.135.08
10	26	34	A429.000.135.10
12	26	34	A429.000.135.12
14	26	34	A429.000.135.14
16	26	34	A429.000.135.16
<b>470 E / ER32</b>			
3	33	40	A429.000.140.03
4	33	40	A429.000.140.04
5	33	40	A429.000.140.05
6	33	40	A429.000.140.06
7(6,35)	33	40	A429.000.140.07
8	33	40	A429.000.140.08
10	33	40	A429.000.140.10
12	33	40	A429.000.140.12
13(12,7)	33	40	A429.000.140.13
14	33	40	A429.000.140.14
16	33	40	A429.000.140.16
18	33	40	A429.000.140.18
20	33	40	A429.000.140.20
<b>472 E / ER40</b>			
3	41	46	A429.000.146.03
4	41	46	A429.000.146.04
5	41	46	A429.000.146.05
6	41	46	A429.000.146.06
7(6,35)	41	46	A429.000.146.07
8	41	46	A429.000.146.08
10	41	46	A429.000.146.10
12	41	46	A429.000.146.12
13(12,7)	41	46	A429.000.146.13
14	41	46	A429.000.146.14
16	41	46	A429.000.146.16
18	41	46	A429.000.146.18
20	41	46	A429.000.146.20
25	41	46	A429.000.146.25



**Important:**  
Use plain cylindrical shanks, along the complete inside clamping surface of the collet.



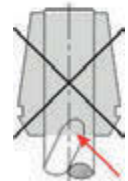
**Remarque:**  
Utiliser les outils avec queue cylindrique qui puissent remplir toute la longueur de la pince.



**Important :**  
When using spiral tools never place the helical part inside the clamping collet.



**Remarque:**  
Avec des outils hélicoïdales, jamais placer l'hélice dans la zone de serrage de la pince.



Further dimension on inquiry - Autres dimensions sur demande

## Arbor with shank Arbre porte-fraises

# A423

d1	L2	A	TK	S	Holding bolt Ergot de maintien	Ref.
<b>SCM, Morbidelli</b>						
20	40	45	32	ISO30	6	A423.020.240.65 ◊
	70	45		ISO30	6	A423.020.270.65 ◊
30	40	45	48	ISO30	6	A423.030.240.65 ◊
	80	45		ISO30	6	A423.030.280.65 ◊

◊ Supplied without spacers - Fourni sans bagues

d1	L2	A	TK	S	D	Ref.
<b>IMA, Maka, Reichenbacher, Weeke, Biesse, Alberti, Stegherr, etc.</b>						
20	40	42	32	SK30	50	A423.020.140.65 ◊
	70	42	32	SK30	50	A423.020.170.65 ◊
20	40	42	32	SK40	63,55	A423.020.140.66 ◊
	70	42	32	SK40	63,55	A423.020.170.66 ◊
30	40	42	48	SK30	50	A423.030.140.65 ◊
	80	42	48	SK30	50	A423.030.180.65 ◊
30	40	42	48	SK40	63,55	A423.030.140.66 ◊
	80	42	48	SK40	63,55	A423.030.180.66 ◊

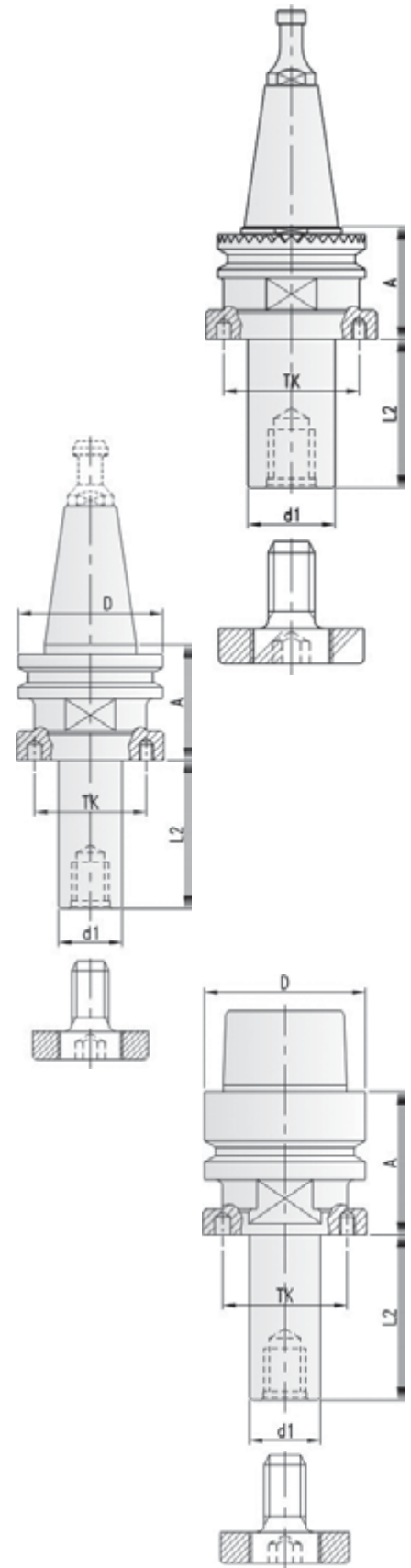
◊ Supplied without spacers and holding bolt.  
Fourni sans bagues et ergot de maintien

d1	L2	A	TK	S	D	Holding bolt Ergot de maintien	Ref.
<b>SCM</b>							
20	40	42	32	ISO30	46	8	A423.120.140.65 ◊
	70	42	32	ISO30	46	8	A423.120.170.65 ◊
30	40	42	48	ISO30	46	8	A423.130.140.65 ◊
	80	42	48	ISO30	46	8	A423.130.180.65 ◊

◊ Supplied without spacers - Fourni sans bagues

d1	L2	A	TK	S	D	Ref.
20	70	45	32	HSK 63F	63	A423.020.270.60 ◊
30	80	45	48	HSK 63F	63	A423.030.280.60 ◊
20	40	80	32	HSK 63F	63	A423.020.140.60 ◊
	70	80		HSK 63F	63	A423.020.170.60 ◊
30	40	80	48	HSK 63F	63	A423.030.140.60 ◊
	80	80		HSK 63F	63	A423.030.180.60 ◊

◊ Supplied without spacers - Fourni sans bagues

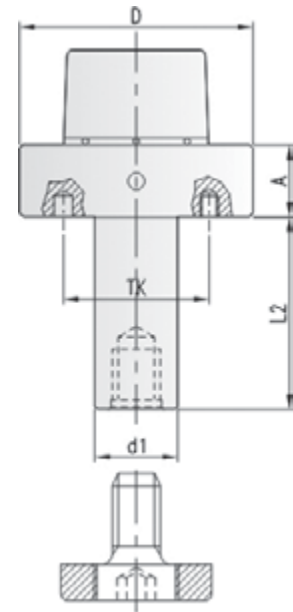


**Arbor with shank**  
**Arbre porte-fraises**

# A423

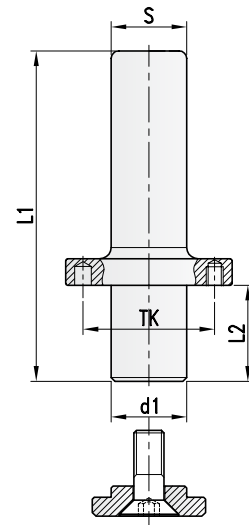
d1	L2	A	TK	S	D	Ref.
<b>Weinig Powermat</b>						
30	40	26	48	HSK 85WE	85	A423.030.040.61 ◦
	80	26	48	HSK 85WE	85	A423.030.080.61 ◦
	140	26	48	HSK 85WE	85	A423.030.140.61 ◦
	180	26	48	HSK 85WE	85	A423.030.180.61 ◦
40	80	26	58	HSK 85WE	85	A423.040.080.61 ◦
	140	26	58	HSK 85WE	85	A423.040.140.61 ◦
	180	26	58	HSK 85WE	85	A423.040.180.61 ◦

◦ Supplied without spacers - Fourni sans bagues



d1	L2	L1	TK	S	Ref.
20	40	105	32	20x55	A423.020.140.20 ◦
	40	110	32	25x60	A423.020.140.25 ◦
20	70	135	32	20x55	A423.020.170.20 ◦
	70	140	32	25x60	A423.020.170.25 ◦
30	40	105	48	20x55	A423.030.140.20 ◦
	40	110	48	25x60	A423.030.140.25 ◦

◦ Supplied without spacers - Fourni sans bagues



## Arbor with shank Arbre porte-fraises

# A423

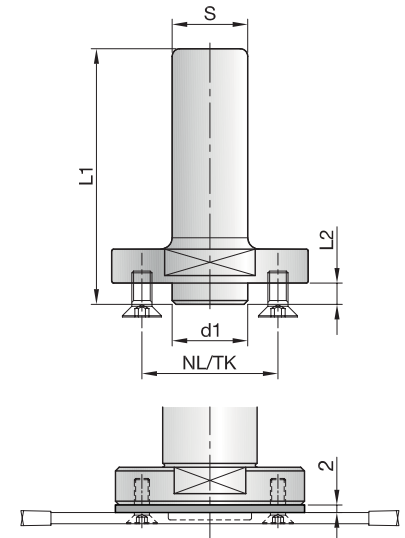
d1	D	L2	L1	NL/TK	S	Ref.
22	50	4	74	4/M4/36	25x60	A423.022.104.25
30	59	4	74	4/M6/48	25x60	A423.030.104.25

### Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M4x12	d1=22 705.250.12
	M6x10	d1=30 705.340.10
T Wrench - Clé en T	SW3	706.103
	SW4	706.104

Suitable for mounting tools with body thickness from 2 to 10mm (sawblade or grooving cutter). For tools with thickness up to 3,5mm, please use 2mm filling space between the tool and the arbor.

Pour montage d'outils de 2 à 10mm d'épaisseur (lame de scie ou fraise à rainer). Pour outils avec épaisseur du corps jusqu'à 3,5mm, utiliser une bague intercalaire de 2mm entre l'outil et l'arbre.



### Flange for saw blades - Flasque pour lame de scie

	d1	D	L1	NL/TK	Ref.
new	30	110	22	6/M6/90	730.301.30

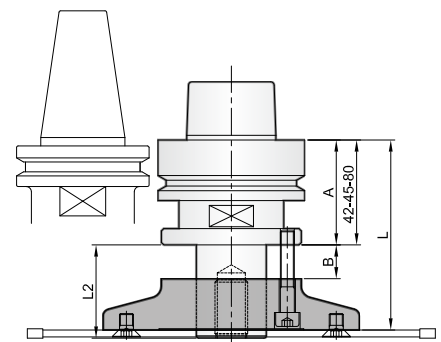
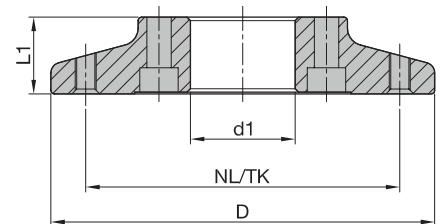
### Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M6x10	705.340.10
T Wrench - Clé en T	SW4	706.104

Sawblade Mounting flange to be used on A423 arbors with d=30mm. The B measure is variable and filled up with spacers. The L value depends on the thickness of the spacer B and the arbor to be used.

Flange to be used with saw blades with maximum diameter of 350mm

Flasque pour montage de lame de scie sur ref. A423 avec arbre de d1=30mm. La mesure B est variable et se remplit avec bagues. La mesure L dépend de l'épaisseur de la bague (B) et de l'arbre à utiliser. Flasque pour lame de scie avec diamètre maximum de 350mm.



A	L2	B	L
42	40	15	79
	80	55	119
45	40	15	82
	80	55	122
80	40	15	117
	80	55	157



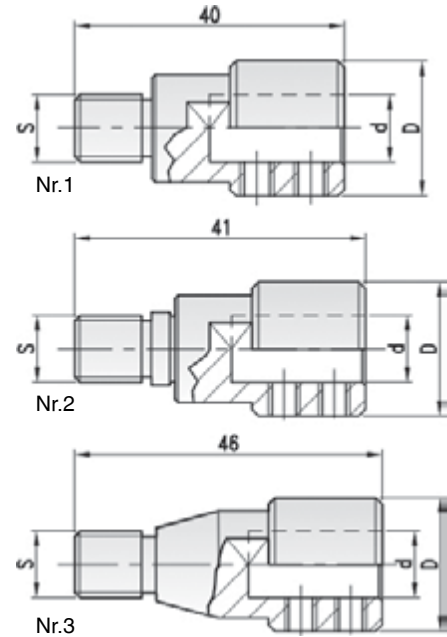
## Adapters Mandrins de réduction

Nr.	D	d	S	Ref.LH	Ref.RH
Ayen, Holzma, Mayer, Knoevenagel, Torwegge, etc.					
1	20	42	M8	A432.020.310.50	A432.020.210.50
1	20	42	M10	A432.020.010.50	A432.020.110.50
Morbidelli, Weeke, Torwegge, Biesse, Masterwood, Vitap, etc.					
2	20	10	M8	A432.020.310.51	A432.020.210.51
2	20	10	M10	A432.020.010.51	A432.020.110.51
Bilek, Vitap, Alberti, Balestrini, Schleicher, Busellato, etc.					
3	20	10	M8	A432.020.310.52	A432.020.210.52
3	20	10	M10	A432.020.010.52	A432.020.110.52

### Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M5x5	705.102
T Wrench - Clé en T	SW2,5	706.152

# A432



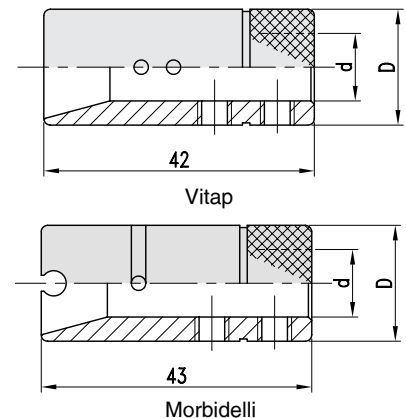
## Quick-change adapters Mandrins à changement rapide

D	d	Ref.
18	10	Vitap A434.218.110.00
<b>new</b> 19,25	10	Morbidelli A434.220.110.00

### Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M5x4	705.102.04
T Wrench - Clé en T	SW2,5	706.152

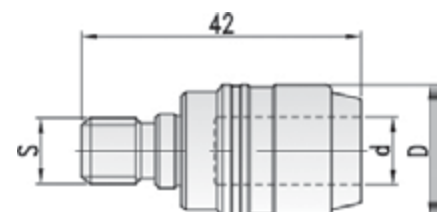
# A434



D	d	S	Ref.LH	Ref.RH
20	10	M10	A434.320.042.51	A434.320.142.51

Suitable for drills with flat on the shank (ex. multiboring machines), reducing down time when changing tools. No need to unscrew or screw any bolts

Pour fraises à queue avec méplat (ex : mèches à tourillons, etc.), réduit le temps de remplacement des outils, n'ayant pas besoin de serrer et desserrer la vis de fixation.



Self clamping holder  
Mandrins auto-serrant

10

## Adapters Adaptateurs

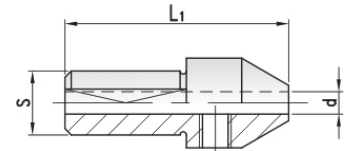
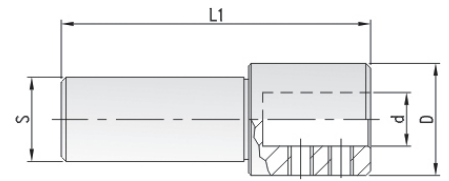
d	D	L1	S	Ref.
20	6	72	18	A420.020.106.18
20	8	72	18	A420.020.108.18
22	10	72	18	A420.022.110.18
22	12	72	18	A420.022.112.18

d	L1	S	Ref.
2	38	10	A420.315.102.10
2,5	38	10	A420.315.902.10
3	38	10	A420.315.103.10
3,5	38	10	A420.315.903.10
4	38	10	A420.315.104.10
4,5	38	10	A420.315.904.10
5	38	10	A420.315.105.10

### Spare parts - Pièces de rechange

	Dim.	Ref.
Screw - Vis	M5x5	705.102
T Wrench - Clé en T	SW2,5	706.152

## A420

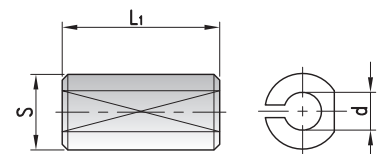
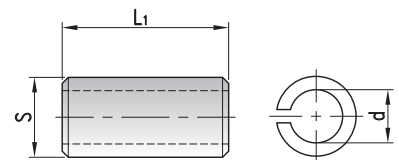


## Bush for twist drills Adaptateur pour mèche hélicoïdale

d	L1	S	Ref.
6	25	8	A422.008.125.06
8	25	10	A422.010.125.08
6	25	12	A422.012.125.06
8	25		A422.012.125.08
10	25		A422.012.125.10

d	L1	S	Ref.
2	23	10	A422.510.102.10
2,5	23	10	A422.510.902.10
3	23	10	A422.510.103.10
3,5	23	10	A422.510.903.10
4	23	10	A422.510.104.10
4,5	23	10	A422.510.904.10
5	23	10	A422.510.105.10
6	23	10	A422.510.106.10
7	23	10	A422.510.107.10
8	23	10	A422.510.108.10

## A422





# FRE

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