

## Adjustable Reamers Type K

### Application Range

The precision reamer for reaming of holes in line with each other. .

### Description

Right-hand cutting reamer with expanding blades.

Parallel shank with square at the back and integral pilot with a sliding centering cone at the front of the reamer.

Due to the unique Hunger relief grinding process the blades have a progressively increasing clearance angle giving a softer cutting action.

From size K 12 the front adjusting nut is marked with a circumferential scale.

One graduation on the scale corresponds to a 0,01 mm change in cutting diameter



Size	Size Range		Length Overall L1 mm	Length Blades L2 mm	Length Pilot L3 mm	Size of Square a mm	No. of Blades	Weight kg
	mm	Inches						
K 7	7 - 8	9/32 - 5/16	175	32	65	3,5	4	0,030
K 8	8 - 9	5/16 - 23/64	175	32	65	4,3	5	0,055
K 9	9 - 10	23/64 - 25/64	175	32	65	4,3	5	0,060
K 10	10 - 11	25/64 - 7/16	185	35	68	4,9	5	0,085
K 11	11 - 12	7/16 - 15/32	195	35	72	6,2	5	0,100
K 12	12 - 13,5	15/32 - 17/32	215	42	84	6,2	5	0,130
K 13,5	13,5 - 15,5	17/32 - 39/64	235	50	89	7	5	0,180
K 15,5	15,5 - 18	39/64 - 45/64	265	60	98	8	5	0,280
K 18	18 - 21	45/64 - 53/64	290	65	109	9	5	0,410
K 21	21 - 24	53/64 - 15/16	310	70	119	10	5	0,620
K 24	24 - 27,5	15/16 - 1 5/64	335	75	129	11	5	0,820
K 27,5	27,5 - 31,5	1 5/64 - 1 15/64	365	80	137	12	6	1,040
K 31,5	31,5 - 37	1 15/64 - 1 29/64	400	90	159	14,5	6	1,550
K 37	37 - 45	1 29/64 - 1 49/64	465	100	180	16	6	2,600
K 45	45 - 55	1 49/64 - 2 5/32	530	109	198	20	6	4,100
K 55	55 - 65	2 5/32 - 2 9/16	570	120	213	24	8	6,450
K 65	65 - 80	2 9/16 - 3 5/32	670	145	250	29	10	15,100
K 80	80 - 95	3 5/32 - 3 47/64	700	150	250	32	10	21,100
K 95	95 - 110	3 47/64 - 4 21/64	700	150	250	36	10	25,400

Packing of the reamers:

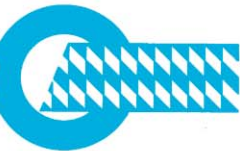
From size K 7 to K 37 individually in clear plastic tube containers.

From size K 45 to K 55 individually in plastic nets.

From size K 65 to K 95 individually in wooden boxes.

### Sets of Reamers Type K in Wooden Cases

Symbol	Size Range		No. of Reamers	Weight kg
	mm	Inches		
KAN	8 - 31,5	21/64 - 1 15/64	11	5,600
KEN	8 - 45	21/64 - 1 49/64	13	10,200



## Adjustable Reamers Type K - Standard Version and Hard Chrome Version

The blades of the standard reamers type K are made of a special steel with excellent cutting properties.

Hunger has also manufactured a "hard chrome" version in which the blades are coated with hard chrome. The hard chrome coating has a low coefficient of friction.

Hard chrome reamers are therefore particularly suitable for reaming materials with a high wear tendency and materials that tend to stick and form built-up edges.

Hard chrome reamers and hard chrome replacement blades have been discontinued. Remaining stocks of nearly all reamer sizes are available while supplies last.

As an advanced alternative to the hard chrome version, Hunger now offers the DLC version, in which the blades are coated with diamond-like carbon (DLC), See page 3 for details.

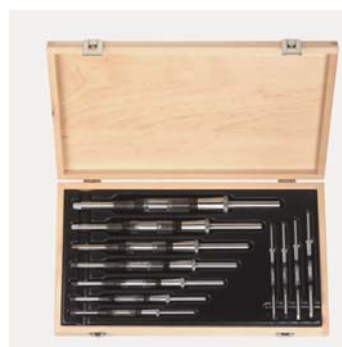
### Ordering Information

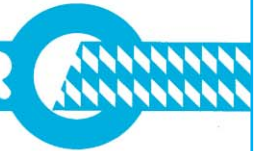
Size	Range ∅ mm	Reamers		Replacement Blades*		Spare Nuts Part No.	Spare Centering Cones Part No.
		Special Steel Part No.	Hard Chrome Part No.	Special Steel Part No.	Hard Chrome Part No.		
<b>K 7</b>	7 - 8	120 07 000	121 07 000	100 06 400	101 06 400	140 04 510	120 07 600
<b>K 8</b>	8 - 9	120 08 000	121 08 000	120 08 400	121 08 400	100 08 510	120 08 600
<b>K 9</b>	9 - 10	120 09 000	121 09 000	120 09 400	121 09 400	100 09 510	120 09 600
<b>K 10</b>	10 - 11	120 10 000	121 10 000	120 10 400	121 10 400	100 10 510	120 10 600
<b>K 11</b>	11 - 12	120 11 000	121 11 000	120 11 400	121 11 400	100 11 510	120 11 600
<b>K 12</b>	12 - 13,5	120 12 000	121 12 000	120 12 400	121 12 400	100 12 520	120 12 600
<b>K 13,5</b>	13,5 - 15,5	120 13 000	121 13 000	120 13 400	121 13 400	100 13 520	120 13 600
<b>K 15,5</b>	15,5 - 18	120 15 000	121 15 000	120 15 400	121 15 400	100 15 520	120 15 600
<b>K 18</b>	18 - 21	120 18 000	121 18 000	120 18 400	121 18 400	100 18 520	120 18 600
<b>K 21</b>	21 - 24	120 21 000	121 21 000	120 21 400	121 21 400	100 21 520	120 21 600
<b>K 24</b>	24 - 27,5	120 24 000	121 24 000	120 24 400	121 24 400	100 24 520	120 24 600
<b>K 27,5</b>	27,5 - 31,5	120 27 000	121 27 000	120 27 400	121 27 400	100 27 520	120 27 600
<b>K 31,5</b>	31,5 - 37	120 31 000	121 31 000	120 31 400	121 31 400	100 31 520	120 31 600
<b>K 37</b>	37 - 45	120 37 000	121 37 000	120 37 400	121 37 400	100 37 520	120 37 600
<b>K 45</b>	45 - 55	120 45 000	121 45 000	120 45 400	121 45 400	100 45 520	120 45 600
<b>K 55</b>	55 - 65	120 55 000	121 55 000	120 55 400	121 55 400	100 55 520	120 55 600
<b>K 65</b>	65 - 80	120 65 000	121 65 000	100 65 400	101 65 400	100 65 520	120 65 600
<b>K 80</b>	80 - 95	120 80 000	121 80 000	100 80 400	101 80 400	100 80 520	120 80 600
<b>K 95</b>	95 - 110	120 95 000	121 95 000	100 95 400	101 95 400	100 95 520	120 95 600

\*Replacement blades are supplied in matched sets.

### Sets of Reamers Type K in Wooden Cases

Symbol	Size Range mm	Special Steel Part No.	Hard Chrome Part No.
<b>KAN</b>	8 - 31,5	120 00 100	121 00 100
<b>KEN</b>	8 - 45	120 00 200	121 00 200





## Adjustable Reamers Type K - Version DLC

The blades of the reamers type K version DLC are coated with a diamond-like hard material layer, which is applied by a complex PVD process.

The DLC coating is characterized by extreme hardness, wear resistance and smoothness (very low friction). At the same time, the sharpness of the cutting edges is maintained because the DLC coating is extremely thin.

The DLC version of the reamers type K is therefore ideal for reaming aluminum alloys, titanium alloys, copper alloys (bronze and brass) as well as materials with a high wear effect and materials that tend to stick and form built-up edges.

### Ordering Information

Größe	Range ∅ mm	Reamer Type K Version DLC Artike-Nr.	Replacement Blades* Version DLC Artike-Nr.	Spare Nut Artike-Nr.	Spare Centering Cone
<b>K 7</b>	7 - 8	128 07 000	108 06 400	140 04 510	120 07 600
<b>K 8</b>	8 - 9	128 08 000	128 08 400	100 08 510	120 08 600
<b>K 9</b>	9 - 10	128 09 000	128 09 400	100 09 510	120 09 600
<b>K 10</b>	10 - 11	128 10 000	128 10 400	100 10 510	120 10 600
<b>K 11</b>	11 - 12	128 11 000	128 11 400	100 11 510	120 11 600
<b>K 12</b>	12 - 13,5	128 12 000	128 12 400	100 12 520	120 12 600
<b>K 13,5</b>	13,5 - 15,5	128 13 000	128 13 400	100 13 520	120 13 600
<b>K 15,5</b>	15,5 - 18	128 15 000	128 15 400	100 15 520	120 15 600
<b>K 18</b>	18 - 21	128 18 000	128 18 400	100 18 520	120 18 600
<b>K 21</b>	21 - 24	128 21 000	128 21 400	100 21 520	120 21 600
<b>K 24</b>	24 - 27,5	128 24 000	128 24 400	100 24 520	120 24 600
<b>K 27,5</b>	27,5 - 31,5	128 27 000	128 27 400	100 27 520	120 27 600
<b>K 31,5</b>	31,5 - 37	128 31 000	128 31 400	100 31 520	120 31 600
<b>K 37</b>	37 - 45	128 37 000	128 37 400	100 37 520	120 37 600
<b>K 45</b>	45 - 55	128 45 000	128 45 400	100 45 520	120 45 600
<b>K 55</b>	55 - 65	128 55 000	128 55 400	100 55 520	120 55 600
<b>K 65</b>	65 - 80	128 65 000	128 65 400	100 65 520	120 65 600
<b>K 80</b>	80 - 95	128 80 000	128 80 400	100 80 520	120 80 600
<b>K 95</b>	95 - 110	128 95 000	128 95 400	100 95 520	120 95 600

\* Replacement blades are supplied in matched sets.

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