

## Adjustable Expanding Hand Reamers Type E

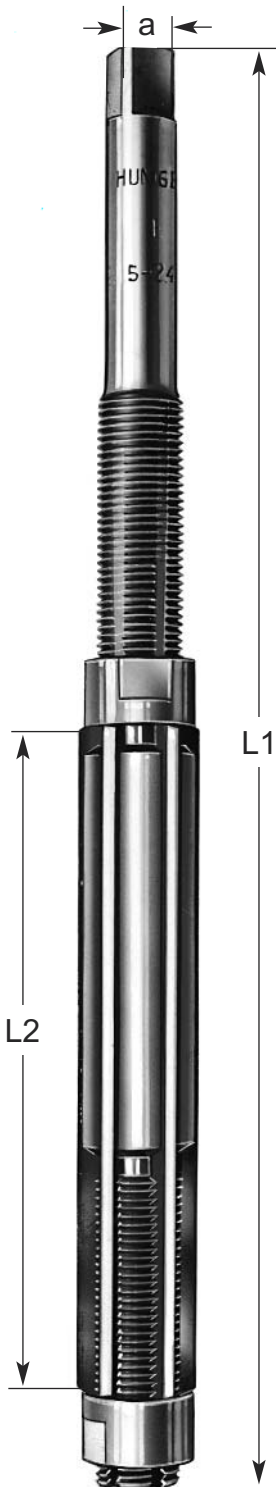
### Application:

The reamer for reaming longer holes and adjacent inline holes.

### Design:

Righth-hand cutting hand reamer with expanding blades.  
Extra long blades!

The blades are approximately 2/3 longer than the blades of reamer type D.  
Due to the unique Hunger relief grinding operation the blades have a progressively increasing clearance angle giving a softer cutting action.



Size	Size Range		Length Overall L1 mm	Length Blades L2 mm	Size of Square a mm	No. of Blades	Weight kg
	mm	Inches					
E 10,5	10,5 - 12	$27/64 - 15/32$	160	65	5,5	5	0,070
E 12	12 - 13,5	$15/32 - 17/32$	170	70	6,2	5	0,100
E 13,5	13,5 - 15,5	$17/32 - 39/64$	195	80	7	5	0,140
E 15,5	15,5 - 17,5	$39/64 - 11/16$	215	90	8	5	0,210
E 17,5	17,5 - 19,5	$11/16 - 49/64$	230	100	9	5	0,280
E 19,5	19,5 - 21,5	$49/64 - 27/32$	240	110	10	5	0,370
E 21,5	21,5 - 24,5	$27/32 - 31/32$	260	120	10	5	0,470
E 24,5	24,5 - 27,5	$31/32 - 1 5/64$	280	130	11	5	0,640
E 27,5	27,5 - 31,5	$1 5/64 - 1 15/64$	310	140	12	6	0,880
E 31,5	31,5 - 37	$1 15/64 - 1 29/64$	320	150	14,5	6	1,240
E 37	37 - 45	$1 29/64 - 1 49/64$	370	165	16	6	1,970
E 45	45 - 55	$1 49/64 - 2 5/32$	425	180	20	6	3,240

Packing of the reamers:

Individually in clear plastic tube containers.

### Sets of Reamers Type E in Wooden Cases

Symbol	Size Range		No. of Reamers	Weight kg
	mm	Inches		
EA	10,5 - 31,5	$27/64 - 1 15/64$	9	3,100
ESO	10,5 - 45	$27/64 - 1 49/64$	11	5,700

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## Order Information:

The reamers are available with standard blades made from high quality special steel to ensure superior cutting efficiency.

The reamers are also available with hard chromium coated blades.

The hard chromium coating has superior hardness in combination with a low friction coefficient.

Thus reamers of the „hard chromium“ series are particularly suitable for reaming abrasive materials and materials with a tendency to adhere to and to build-up the cutting edge.

Size	Size Range mm	Reamers		Replacement Blades*		Nuts Part No.
		Special Steel Part No.	Hard Chromium Part No.	Special Steel Part No.	Hard Chromium Part No.	
<b>E 10,5</b>	10,5 - 12	110 10 000	111 10 000	110 10 400	111 10 400	140 10 510
<b>E 12</b>	12 - 13,5	110 12 000	111 12 000	110 12 400	111 12 400	100 12 510
<b>E 13,5</b>	13,5 - 15,5	110 13 000	111 13 000	110 13 400	111 13 400	100 13 510
<b>E 15,5</b>	15,5 - 17,5	110 15 000	111 15 000	110 15 400	111 15 400	100 15 510
<b>E 17,5</b>	17,5 - 19,5	110 17 000	111 17 000	110 17 400	111 17 400	110 17 510
<b>E 19,5</b>	19,5 - 21,5	110 19 000	111 19 000	110 19 400	111 19 400	110 19 510
<b>E 21,5</b>	21,5 - 24,5	110 21 000	111 21 000	110 21 400	111 21 400	100 21 510
<b>E 24,5</b>	24,5 - 27,5	110 24 000	111 24 000	110 24 400	111 24 400	100 24 510
<b>E 27,5</b>	27,5 - 31,5	110 27 000	111 27 000	110 27 400	111 27 400	100 27 510
<b>E 31,5</b>	31,5 - 37	110 31 000	111 31 000	110 31 400	111 31 400	100 31 510
<b>E 37</b>	37 - 45	110 37 000	111 37 000	110 37 400	111 37 400	100 37 510
<b>E 45</b>	45 - 55	110 45 000	111 45 000	110 45 400	111 45 400	100 45 510

\* Replacement blades are furnished in matched sets.  
The blades are finish-ground and, therefore, no grinding is needed after the blades have been inserted in the reamer body.

## Sets of Reamers Type E in Wooden Cases

Symbol	Size Range mm	Special Steel Part No.	Hard Chromium Part No.
<b>EA</b>	10,5 - 31,5	110 00 100	111 00 100
<b>ESO</b>	10,5 - 45	110 00 200	111 00 200



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