

## Adjustable Expanding Hand Reamers Type D

### Application:

The standard reamer for repair and assembly jobs.

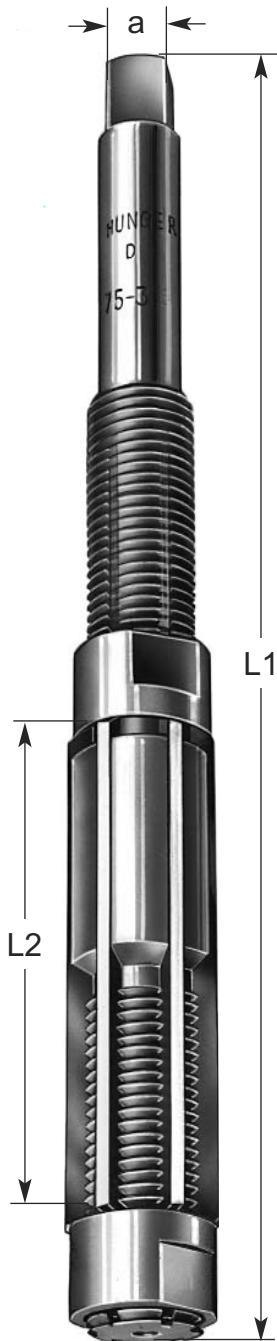
### Design:

Righth-hand cutting reamer with expanding blades.

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

Starting with size D 12 the adjusting nut is marked with a circular scale.

One graduation of the scale corresponds to a diameter alteration of 0,01 mm.



Size	Size Range		Length Overall L1 mm	Length Blades L2 mm	Size of Square a mm	No. of Blades	Weight kg
	mm	Inches					
D 6,4	6,4 - 7,2	1/4 - 9/32	111	32	3	4	0,015
D 7,2	7,2 - 8	9/32 - 5/16	111	32	3,5	4	0,015
D 8	8 - 9	5/16 - 23/64	111	32	4,3	5	0,025
D 9	9 - 10	23/64 - 25/64	115	32	4,3	5	0,035
D 10	10 - 11	25/64 - 7/16	120	35	4,9	5	0,040
D 11	11 - 12	7/16 - 15/32	125	35	6,2	5	0,045
D 12	12 - 13,5	15/32 - 17/32	130	42	6,2	5	0,075
D 13,5	13,5 - 15,5	17/32 - 39/64	145	50	7	5	0,100
D 15,5	15,5 - 18	39/64 - 45/64	165	60	8	5	0,155
D 18	18 - 21	45/64 - 53/64	180	65	9	5	0,225
D 21	21 - 24	53/64 - 15/16	190	70	10	5	0,320
D 24	24 - 27,5	15/16 - 1 5/64	205	75	11	5	0,430
D 27,5	27,5 - 31,5	1 5/64 - 1 15/64	225	80	12	6	0,600
D 31,5	31,5 - 37	1 15/64 - 1 29/64	240	90	14,5	6	0,870
D 37	37 - 45	1 29/64 - 1 49/64	285	100	16	6	1,410
D 45	45 - 55	1 49/64 - 2 5/32	320	109	20	6	2,320
D 55	55 - 65	2 5/32 - 2 9/16	350	120	24	8	3,830
D 65	65 - 80	2 9/16 - 3 5/32	460	145	29	10	6,800
D 80	80 - 95	3 5/32 - 3 47/64	490	150	32	10	10,250
D 95	95 - 110	3 47/64 - 4 21/64	490	150	36	10	13,700

Packing of the reamers:

From size D 6,4 to D 45 individually in clear plastic tube containers.

Size D 55 in a plastic net.

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

### Sets of Reamers Type D in Wooden Cases

Symbol	Size Range		No. of Reamers	Weight kg
	mm	Inches		
DAN	8 - 31,5	21/64 - 1 15/64	11	3,100
DEN	8 - 45	21/64 - 1 49/64	13	5,700

# Adjustable Expanding Hand Reamers Type D

## 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>D 6,4</b>	6,4 - 7,2	100 06 000	101 06 000	100 06 400	101 06 400	140 02 510
<b>D 7,2</b>	7,2 - 8	100 07 000	101 07 000	100 06 400	101 06 400	140 04 510
<b>D 8</b>	8 - 9	100 08 000	101 08 000	100 08 400	101 08 400	100 08 510
<b>D 9</b>	9 - 10	100 09 000	101 09 000	100 09 400	101 09 400	100 09 510
<b>D 10</b>	10 - 11	100 10 000	101 10 000	100 10 400	101 10 400	100 10 510
<b>D 11</b>	11 - 12	100 11 000	101 11 000	100 11 400	101 11 400	100 11 510
<b>D 12</b>	12 - 13,5	100 12 000	101 12 000	100 12 400	101 12 400	100 12 520
<b>D 13,5</b>	13,5 - 15,5	100 13 000	101 13 000	100 13 400	101 13 400	100 13 520
<b>D 15,5</b>	15,5 - 18	100 15 000	101 15 000	100 15 400	101 15 400	100 15 520
<b>D 18</b>	18 - 21	100 18 000	101 18 000	100 18 400	101 18 400	100 18 520
<b>D 21</b>	21 - 24	100 21 000	101 21 000	100 21 400	101 21 400	100 21 520
<b>D 24</b>	24 - 27,5	100 24 000	101 24 000	100 24 400	101 24 400	100 24 520
<b>D 27,5</b>	27,5 - 31,5	100 27 000	101 27 000	100 27 400	101 27 400	100 27 520
<b>D 31,5</b>	31,5 - 37	100 31 000	101 31 000	100 31 400	101 31 400	100 31 520
<b>D 37</b>	37 - 45	100 37 000	101 37 000	100 37 400	101 37 400	100 37 520
<b>D 45</b>	45 - 55	100 45 000	101 45 000	100 45 400	101 45 400	100 45 520
<b>D 55</b>	55 - 65	100 55 000	101 55 000	100 55 400	101 55 400	100 55 520
<b>D 65</b>	65 - 80	100 65 000	101 65 000	100 65 400	101 65 400	100 65 520
<b>D 80</b>	80 - 95	100 80 000	101 80 000	100 80 400	101 80 400	100 80 520
<b>D 95</b>	95 - 110	100 95 000	101 95 000	100 95 400	101 95 400	100 95 520

\* 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 D in Wooden Cases

Symbol	Size Range mm	Special Steel Part No.	Hard Chromium Part No.
<b>DAN</b>	8 - 31,5	100 00 100	101 00 100
<b>DEN</b>	8 - 45	100 00 200	101 00 200



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