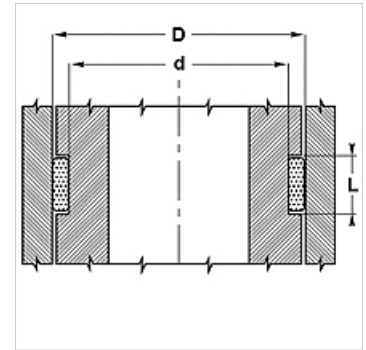


### Properties

<b>Design</b>	Guide ring
<b>Sliding speed max.</b>	0,8 m/s
<b>Surface pressure</b>	at 20°C 15 N/mm <sup>2</sup> ; at 100°C 10 N/mm <sup>3</sup>
<b>Temp. min.</b>	-30 °C
<b>Temp. max.</b>	110 °C
<b>Media</b>	Mineral oils Water emulsions
<b>Installation</b>	insert into the groove
<b>Material</b>	acetal resin + glass fibre
<b>Application</b>	Hydraulics



Toleranz / Tolerance		
D	d	L
H8	0 -0,05	+0,10 0



### Note

Calculation of shear force;  $F = p \times D \times L \times n$   
 $F$  = maximum shear force (N)  
 $p$  = maximum surface pressure (N/mm<sup>2</sup>)  
 $D \times L$  = projected area (mm<sup>2</sup>)  
 $n$  = quantity of rings

### Description

Easy working of the fitting groove and assembly.  
 High load-bearing capacity.  
 Low coefficient of wear and low coefficient of friction (between 0.05 and 0.1) available in many sizes.

### Ordering information

We are able to produce guide rings with diameters of 20 to 510 mm with short lead times.

### Item

Identification	D (mm)	d (mm)	L (mm)
E-DWR 20-2-9.6	20	16	9,6
E-DWR 22-2-9.6	22	18	9,6
E-DWR 25-2-9.6	25	21	9,6
E-DWR 28-2-9.6	28	24	9,6
E-DWR 30-2-9.6	30	26	9,6
E-DWR 32-2-9.6	32	28	9,6
E-DWR 34-2-9.6	34	30	9,6
E-DWR 34-2-16	34	30	16,0
E-DWR 35-2-9.6	35	31	9,6
E-DWR 36-2-9.6	36	32	9,6
E-DWR 40-3-9.6	40	34	9,6
E-DWR 40-2-9.6	40	36	9,6
E-DWR 45-3-9.6	45	39	9,6
E-DWR 45-2-9.6	45	41	9,6
E-DWR 50-3-9.6	50	44	9,6
E-DWR 50-3-12.8	50	44	12,8
E-DWR 55-3-12.8	55	49	12,8
E-DWR 56-3-12.8	56	50	12,8
E-DWR 60-3-12.8	60	54	12,8
E-DWR 63-3-12.8	63	57	12,8
E-DWR 65-3-12.8	65	59	12,8
E-DWR 70-3-12.8	70	64	12,8
E-DWR 74-3-12.8	74	68	12,8
E-DWR 75-3-12.8	75	69	12,8
E-DWR 80-3-12.8	80	74	12,8
E-DWR 85-3-12.8	85	79	12,8
E-DWR 90-3-10	90	84	10,0
E-DWR 100-3-12.8	100	94	12,8
E-DWR 105-3-12.8	105	99	12,8
E-DWR 110-3-12.8	110	104	12,8



Item			
Identification	D (mm)	d (mm)	L (mm)
E-DWR 115-3-12.8	115	109	12,8
E-DWR 120-3-12.8	120	114	12,8
E-DWR 125-3-12.8	125	119	12,8
E-DWR 135-3-12.8	135	129	12,8
E-DWR 135-3-19.2	135	129	19,2
E-DWR 140-3-12.8	140	134	12,8
E-DWR 150-3-12.8	150	144	12,8
E-DWR 155-3-19.2	155	149	19,2
E-DWR 160-3-19.2	160	154	19,2
E-DWR 165-3-19.2	165	159	19,2
E-DWR 250-3-19.2	250	244	19,2