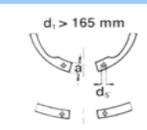
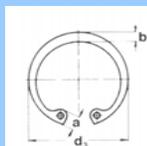
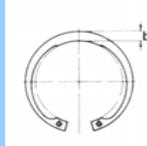
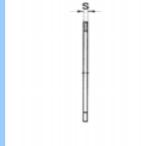
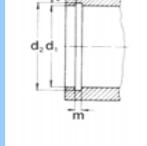
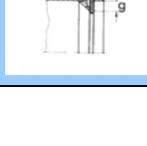


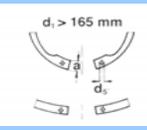
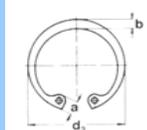
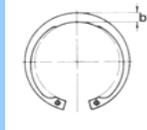
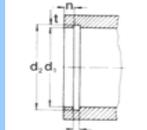
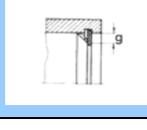


# INDUSTRIAL WORLD

D1300 Internal Circlips - Circlips For Bores - DIN 472																
Data Chart	Reference Number	Nominal Diameter (d <sub>1</sub> )	Circlip Dimensions							Groove Dimensions				Supplementary Data		
			Thickness (s)	Tolerance	Unstressed Diameter (d <sub>s</sub> )	Tolerance	Lug (a) max	Beam (b) ≈	Lug Hole (d <sub>5</sub> ) min	Weight Kg/1,000	Groove Diameter (d <sub>2</sub> )	Tolerance	Min Groove Width (m)	Radial Depth of Groove (t)	Shoulder Length (n)	Pliers
Manufacturer's Choice 	D1300-0080	8	0.80	-0.05	8.7	+0.36 - 0.10	2.4	1.1	1.0	0.10	8.4	+0.09	0.90	0.20	0.6	HC 0
	D1300-0090	9	0.80	-0.05	9.8	+0.36 - 0.10	2.5	1.3	1.0	0.13	9.4	+0.09	0.90	0.20	0.6	HC 0
	D1300-0100	10	1.00	-0.06	10.8	+0.36 - 0.10	3.2	1.4	1.2	0.26	10.4	+0.11	1.10	0.20	0.6	HC 1
	D1300-0110	11	1.00	-0.06	11.8	+0.36 - 0.10	3.3	1.5	1.2	0.31	11.4	+0.11	1.10	0.20	0.6	HC 1
	D1300-0120	12	1.00	-0.06	13.0	+0.36 - 0.10	3.4	1.7	1.5	0.37	12.5	+0.11	1.10	0.25	0.8	HC 1
Unstressed 	D1300-0130	13	1.00	-0.06	14.1	+0.36 - 0.10	3.6	1.8	1.5	0.42	13.6	+0.11	1.10	0.30	0.9	HC 1
	D1300-0140	14	1.00	-0.06	15.1	+0.36 - 0.10	3.7	1.8	1.7	0.52	14.6	+0.11	1.10	0.30	0.9	HC 1
	D1300-0150	15	1.00	-0.06	16.2	+0.36 - 0.10	3.7	2.0	1.7	0.56	15.7	+0.11	1.10	0.35	1.1	HC 1
	D1300-0160	16	1.00	-0.06	17.3	+0.36 - 0.10	3.8	2.0	1.7	0.60	16.8	+0.11	1.10	0.40	1.2	HC 1
	D1300-0170	17	1.00	-0.06	18.3	+0.42 - 0.13	3.9	2.1	1.7	0.65	17.8	+0.11	1.10	0.40	1.2	HC 1
	D1300-0180	18	1.00	-0.06	19.5	+0.42 - 0.13	4.1	2.2	2.0	0.74	19.0	+0.13	1.10	0.50	1.5	HC 2
	D1300-0190	19	1.00	-0.06	20.5	+0.42 - 0.13	4.1	2.2	2.0	0.83	20.0	+0.13	1.10	0.50	1.5	HC 2
	D1300-0200	20	1.00	-0.06	21.5	+0.42 - 0.13	4.1	2.3	2.0	0.90	21.0	+0.13	1.10	0.50	1.5	HC 2
	D1300-0210	21	1.00	-0.06	22.5	+0.42 - 0.13	4.2	2.4	2.0	1.00	22.0	+0.13	1.10	0.50	1.5	HC 2
	D1300-0220	22	1.00	-0.06	23.5	+0.42 - 0.13	4.2	2.5	2.0	1.10	23.0	+0.13	1.10	0.50	1.5	HC 2
	D1300-0230	23	1.20	-0.06	24.6	+0.42 - 0.13	4.2	2.5	2.0	1.34	24.1	+0.13	1.30	0.55	1.7	HC 2
	D1300-0240	24	1.20	-0.06	25.9	+0.42 - 0.21	4.3	2.6	2.0	1.42	25.2	+0.21	1.30	0.60	1.8	HC 2
	D1300-0250	25	1.20	-0.06	26.9	+0.42 - 0.21	4.5	2.7	2.0	1.50	26.2	+0.21	1.30	0.60	1.8	HC 2
	D1300-0260	26	1.20	-0.06	27.9	+0.42 - 0.21	4.7	2.8	2.0	1.60	27.2	+0.21	1.30	0.70	1.8	HC 2
	D1300-0270	27	1.20	-0.06	29.1	+0.42 - 0.21	4.7	2.9	2.0	1.75	28.4	+0.21	1.30	0.70	2.1	HC 2
	D1300-0280	28	1.20	-0.06	30.1	+0.50 - 0.25	4.8	2.9	2.0	1.80	29.4	+0.21	1.30	0.70	2.1	HC 2
	D1300-0290	29	1.20	-0.06	31.1	+0.50 - 0.25	4.8	3.0	2.0	1.88	30.4	+0.25	1.30	0.70	2.1	HC 2
	D1300-0300	30	1.20	-0.06	32.1	+0.50 - 0.25	4.8	3.0	2.0	2.06	31.4	+0.25	1.30	0.70	2.1	HC 2
	D1300-0310	31	1.20	-0.06	33.4	+0.50 - 0.25	5.2	3.1	2.5	2.10	32.7	+0.25	1.30	0.85	2.6	HC 2
	D1300-0320	32	1.20	-0.06	34.4	+0.50 - 0.25	5.4	3.2	2.5	2.21	33.7	+0.25	1.30	0.85	2.6	HC 2
	D1300-0330	33	1.20	-0.06	35.5	+0.50 - 0.25	5.4	3.3	2.5	2.40	34.7	+0.25	1.30	0.85	2.6	HC 2
	D1300-0340	34	1.50	-0.06	36.5	+0.50 - 0.25	5.4	3.3	2.5	3.20	35.7	+0.25	1.60	0.85	2.6	HC 2
	D1300-0350	35	1.50	-0.06	37.8	+0.50 - 0.25	5.4	3.4	2.5	3.54	37.0	+0.25	1.60	1.00	3.0	HC 2
	D1300-0360	36	1.50	-0.06	38.8	+0.50 - 0.25	5.4	3.5	2.5	3.70	38.0	+0.25	1.60	1.00	3.0	HC 2
	D1300-0370	37	1.50	-0.06	39.8	+0.50 - 0.25	5.5	3.6	2.5	3.74	39.0	+0.25	1.60	1.00	3.0	HC 2
	D1300-0380	38	1.50	-0.06	40.8	+0.50 - 0.25	5.5	3.7	2.5	3.90	40.0	+0.25	1.60	1.00	3.0	HC 2
	D1300-0390	39	1.50	-0.06	42.0	+0.90 - 0.39	5.6	3.8	2.5	4.00	41.0	+0.25	1.60	1.00	3.0	HC 2
	D1300-0400	40	1.75	-0.06	43.5	+0.90 - 0.39	5.8	3.9	2.5	4.70	42.5	+0.25	1.85	1.25	3.8	HC 3
	D1300-0410	41	1.75	-0.06	44.5	+0.90 - 0.39	5.9	4.0	2.5	5.10	43.5	+0.25	1.85	1.25	3.8	HC 3
	D1300-0420	42	1.75	-0.06	45.5	+0.90 - 0.39	5.9	4.1	2.5	5.40	44.5	+0.25	1.85	1.25	3.8	HC 3
	D1300-0430	43	1.75	-0.06	46.5	+0.90 - 0.39	5.9	4.2	2.5	5.60	45.5	+0.25	1.85	1.25	3.8	HC 3
	D1300-0440	44	1.75	-0.06	47.5	+0.90 - 0.39	6.0	4.2	2.5	5.80	46.5	+0.25	1.85	1.25	3.8	HC 3
	D1300-0450	45	1.75	-0.06	48.5	+0.90 - 0.39	6.2	4.3	2.5	6.00	47.5	+0.25	1.85	1.25	3.8	HC 3
	D1300-0460	46	1.75	-0.06	49.5	+0.90 - 0.39	6.3	4.4	2.5	6.05	48.5	+0.25	1.85	1.25	3.8	HC 3
	D1300-0470	47	1.75	-0.06	50.5	+1.10 - 0.46	6.4	4.4	2.5	6.10	49.5	+0.25	1.85	1.25	3.8	HC 3
	D1300-0480	48	1.75	-0.06	51.5	+1.10 - 0.46	6.4	4.5	2.5	6.70	50.5	+0.30	1.85	1.25	3.8	HC 3
	D1300-0500	50	2.00	-0.07	54.2	+1.10 - 0.46	6.5	4.6	2.5	7.30	53.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0510	51	2.00	-0.07	55.2	+1.10 - 0.46	6.5	4.7	2.5	7.75	54.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0520	52	2.00	-0.07	56.2	+1.10 - 0.46	6.7	4.7	2.5	8.20	55.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0530	53	2.00	-0.07	57.2	+1.10 - 0.46	6.7	4.9	2.5	8.22	56.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0540	54	2.00	-0.07	58.2	+1.10 - 0.46	6.7	5.0	2.5	8.25	57.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0550	55	2.00	-0.07	59.2	+1.10 - 0.46	6.8	5.0	2.5	8.30	58.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0560	56	2.00	-0.07	60.2	+1.10 - 0.46	6.8	5.1	2.5	8.80	59.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0570	57	2.00	-0.07	61.2	+1.10 - 0.46	6.8	5.1	2.5	9.40	60.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0580	58	2.00	-0.07	62.2	+1.10 - 0.46	6.9	5.2	2.5	10.50	61.0	+0.30	2.15	1.50	4.5	HC 3

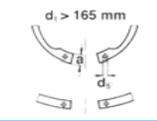
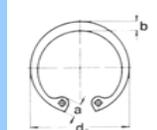
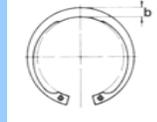
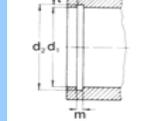
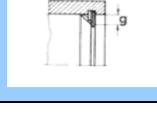


# INDUSTRIAL WORLD

<b>D1300 Internal Circlips - Circlips For Bores - DIN 472</b>																
Data Chart	Reference Number	Nominal Diameter (d <sub>1</sub> )	Circlip Dimensions								Groove Dimensions				Supplementary Data	
			Thickness (s)	Tolerance	Unstressed Diameter (d <sub>s</sub> )	Tolerance	Lug (a) max	Beam (b) ≈	Lug Hole (d <sub>5</sub> ) min	Weight Kg/1,000	Groove Diameter (d <sub>2</sub> )	Tolerance	Min Groove Width (m)	Radial Depth of Groove (t)	Shoulder Length (n)	Pliers
<b>Manufacturer's Choice</b>  Unstressed     	D1300-0600	60	2.00	-0.07	64.2	+1.10 -0.46	7.3	5.4	2.5	11.10	63.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0620	62	2.00	-0.07	66.2	+1.10 -0.46	7.3	5.5	2.5	11.20	65.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0630	63	2.00	-0.07	67.2	+1.10 -0.46	7.3	5.6	2.5	12.40	66.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0640	64	2.00	-0.07	68.2	+1.10 -0.46	7.4	5.7	2.5	12.45	67.0	+0.30	2.15	1.50	4.5	HC 3
	D1300-0650	65	2.50	-0.07	69.2	+1.10 -0.46	7.6	5.8	3.0	14.30	68.0	+0.30	2.65	1.50	4.5	HC 3
	D1300-0670	67	2.50	-0.07	71.5	+1.10 -0.46	7.7	6.0	3.0	15.30	70.0	+0.30	2.65	1.50	4.5	HC 3
	D1300-0680	68	2.50	-0.07	72.5	+1.10 -0.46	7.8	6.1	3.0	16.00	71.0	+0.30	2.65	1.50	4.5	HC 3
	D1300-0700	70	2.50	-0.07	74.5	+1.10 -0.46	7.8	6.2	3.0	16.50	73.0	+0.30	2.65	1.50	4.5	HC 3
	D1300-0720	72	2.50	-0.07	76.5	+1.10 -0.46	7.8	6.4	3.0	18.10	75.0	+0.30	2.65	1.50	4.5	HC 3
	D1300-0750	75	2.50	-0.07	79.5	+1.10 -0.46	7.8	6.6	3.0	18.80	78.0	+0.30	2.65	1.50	4.5	HC 3
	D1300-0770	77	2.50	-0.07	82.5	+1.30 -0.54	8.5	6.8	3.0	20.40	80.0	+0.30	2.65	1.50	4.5	HC 3
	D1300-0780	78	2.50	-0.07	82.5	+1.30 -0.54	8.5	6.8	3.0	20.40	81.0	+0.35	2.65	1.50	4.5	HC 3
	D1300-0800	80	2.50	-0.07	85.5	+1.30 -0.54	8.5	7.0	3.0	22.00	83.5	+0.35	2.65	1.75	5.3	HC 3
	D1300-0810	81	2.50	-0.07	86.5	+1.30 -0.54	8.5	7.0	3.0	23.00	84.5	+0.35	2.65	1.75	5.3	HC 3
	D1300-0820	82	2.50	-0.07	87.5	+1.30 -0.54	8.5	7.0	3.0	24.00	85.5	+0.35	2.65	1.75	5.3	HC 3
	D1300-0830	83	2.50	-0.07	88.5	+1.30 -0.54	8.5	7.0	3.0	25.00	86.5	+0.35	2.65	1.75	5.3	HC 3
	D1300-0850	85	3.00	-0.08	90.5	+1.30 -0.54	8.6	7.2	3.5	25.30	88.5	+0.35	3.15	1.75	5.3	HC 4
	D1300-0870	87	3.00	-0.08	93.5	+1.30 -0.54	8.6	7.4	3.5	31.00	90.5	+0.35	3.15	1.75	5.3	HC 4
	D1300-0880	88	3.00	-0.08	93.5	+1.30 -0.54	8.6	7.4	3.5	31.00	91.5	+0.35	3.15	1.75	5.3	HC 4
	D1300-0900	90	3.00	-0.08	95.5	+1.30 -0.54	8.6	7.6	3.5	33.00	93.5	+0.35	3.15	1.75	5.3	HC 4
	D1300-0920	92	3.00	-0.08	97.5	+1.30 -0.54	8.7	7.8	3.5	35.00	95.5	+0.35	3.15	1.75	5.3	HC 4
	D1300-0950	95	3.00	-0.08	100.5	+1.30 -0.54	8.8	8.1	3.5	37.00	98.5	+0.35	3.15	1.75	5.3	HC 4
	D1300-0970	97	3.00	-0.08	103.5	+1.30 -0.54	9.0	8.3	3.5	41.00	100.5	+0.35	3.15	1.75	5.3	HC 4
	D1300-0980	98	3.00	-0.08	103.5	+1.30 -0.54	9.0	8.3	3.5	41.00	101.5	+0.35	3.15	1.75	5.3	HC 4
	D1300-1000	100	3.00	-0.08	105.5	+1.30 -0.54	9.2	8.4	3.5	42.00	103.5	+0.35	3.15	1.75	5.3	HC 4
	D1300-1020	102	4.00	-0.10	108.5	+1.30 -0.54	9.5	8.5	3.5	55.00	106.0	+0.54	4.15	2.00	6.0	HC 4
	D1300-1050	105	4.00	-0.10	112.0	+1.30 -0.54	9.5	8.7	3.5	56.00	109.0	+0.54	4.15	2.00	6.0	HC 4
	D1300-1070	107	4.00	-0.10	115.0	+1.30 -0.54	9.5	8.9	3.5	60.00	111.0	+0.54	4.15	2.00	6.0	HC 4
	D1300-1080	108	4.00	-0.10	115.0	+1.30 -0.54	9.5	8.9	3.5	60.00	112.0	+0.54	4.15	2.00	6.0	HC 4
	D1300-1100	110	4.00	-0.10	117.0	+1.30 -0.54	10.4	9.0	3.5	64.50	114.0	+0.54	4.15	2.00	6.0	HC 4
	D1300-1120	112	4.00	-0.10	119.0	+1.30 -0.54	10.5	9.1	3.5	72.00	116.0	+0.54	4.15	2.00	6.0	HC 4
	D1300-1150	115	4.00	-0.10	122.0	+1.50 -0.63	10.5	9.3	3.5	74.50	119.0	+0.54	4.15	2.00	6.0	HC 4
	D1300-1170	117	4.00	-0.10	125.0	+1.50 -0.63	10.7	9.6	3.5	75.50	121.0	+0.63	4.15	2.00	6.0	HC 4
D1300-1180	118	4.00	-0.10	125.0	+1.50 -0.63	10.7	9.6	3.5	75.50	122.0	+0.63	4.15	2.00	6.0	HC 4	
D1300-1200	120	4.00	-0.10	127.0	+1.50 -0.63	11.0	9.7	3.5	77.00	124.0	+0.63	4.15	2.00	6.0	HC 4	
D1300-1220	122	4.00	-0.10	129.0	+1.50 -0.63	11.0	9.8	4.0	78.00	126.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1250	125	4.00	-0.10	132.0	+1.50 -0.63	11.0	10.0	4.0	79.00	129.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1270	127	4.00	-0.10	135.0	+1.50 -0.63	11.0	10.0	4.0	81.00	131.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1280	128	4.00	-0.10	135.0	+1.50 -0.63	11.0	10.2	4.0	81.00	132.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1300	130	4.00	-0.10	137.0	+1.50 -0.63	11.0	10.2	4.0	82.00	134.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1320	132	4.00	-0.10	139.0	+1.50 -0.63	11.0	10.3	4.0	83.00	136.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1350	135	4.00	-0.10	142.0	+1.50 -0.63	11.2	10.5	4.0	84.00	139.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1370	137	4.00	-0.10	145.0	+1.50 -0.63	11.2	10.6	4.0	86.00	141.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1380	138	4.00	-0.10	145.0	+1.50 -0.63	11.2	10.6	4.0	86.00	142.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1400	140	4.00	-0.10	147.0	+1.50 -0.63	11.2	10.7	4.0	87.50	144.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1420	142	4.00	-0.10	149.0	+1.50 -0.63	11.3	10.8	4.0	89.00	146.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1450	145	4.00	-0.10	152.0	+1.50 -0.63	11.4	10.9	4.0	93.00	149.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1470	147	4.00	-0.10	155.0	+1.50 -0.63	11.8	11.1	4.0	100.00	151.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1480	148	4.00	-0.10	155.0	+1.50 -0.63	11.8	11.1	4.0	100.00	152.0	+0.63	4.15	2.00	6.0	HC 5	
D1300-1500	150	4.00	-0.10	158.0	+1.50 -0.63	12.0	11.2	4.0	105.00	155.0	+0.63	4.15	2.50	7.5	HC 5	

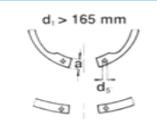
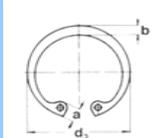
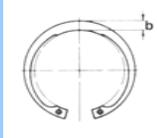
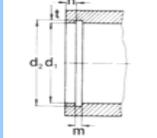
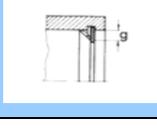


# INDUSTRIAL WORLD

<b>D1300 Internal Circlips - Circlips For Bores - DIN 472</b>																
Data Chart	Reference Number	Nominal Diameter (d <sub>1</sub> )	Circlip Dimensions							Groove Dimensions				Supplementary Data		
			Thickness (s)	Tolerance	Unstressed Diameter (d <sub>s</sub> )	Tolerance	Lug (a) max	Beam (b) ≈	Lug Hole (d <sub>5</sub> ) min	Weight Kg/1,000	Groove Diameter (d <sub>2</sub> )	Tolerance	Min Groove Width (m)	Radial Depth of Groove (t)	Shoulder Length (n)	Pliers
<b>Manufacturer's Choice</b>  <b>Unstressed</b>     	D1300-1520	152	4.00	- 0.10	161.0	+ 1.50 - 0.63	12.0	11.3	4.0	106.00	157.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1550	155	4.00	- 0.10	164.0	+ 1.50 - 0.63	12.0	11.4	4.0	107.00	160.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1570	157	4.00	- 0.10	167.0	+ 1.50 - 0.63	12.3	11.5	4.0	109.00	162.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1580	158	4.00	- 0.10	167.0	+ 1.50 - 0.63	12.3	11.5	4.0	109.00	163.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1600	160	4.00	- 0.10	169.0	+ 1.50 - 0.63	13.0	11.6	4.0	110.00	165.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1620	162	4.00	- 0.10	171.5	+ 1.50 - 0.63	13.0	11.7	4.0	118.00	167.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1650	165	4.00	- 0.10	174.5	+ 1.50 - 0.63	13.0	11.8	4.0	125.00	170.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1670	167	4.00	- 0.10	177.5	+ 1.50 - 0.63	13.5	12.1	4.0	135.00	172.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1680	168	4.00	- 0.10	177.5	+ 1.50 - 0.63	13.5	12.1	4.0	135.00	173.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1700	170	4.00	- 0.10	179.5	+ 1.50 - 0.63	13.5	12.2	4.0	140.00	175.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1720	172	4.00	- 0.10	181.5	+ 1.70 - 0.72	13.5	12.5	4.0	145.00	177.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1750	175	4.00	- 0.10	184.5	+ 1.70 - 0.72	13.5	12.7	4.0	150.00	180.0	+ 0.63	4.15	2.50	7.5	HC 5
	D1300-1770	177	4.00	- 0.10	187.5	+ 1.70 - 0.72	14.2	12.9	4.0	162.00	182.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1780	178	4.00	- 0.10	187.5	+ 1.70 - 0.72	14.2	12.9	4.0	162.00	183.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1800	180	4.00	- 0.10	189.5	+ 1.70 - 0.72	14.2	13.2	4.0	165.00	185.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1820	182	4.00	- 0.10	191.5	+ 1.70 - 0.72	14.2	13.5	4.0	168.00	187.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1850	185	4.00	- 0.10	194.5	+ 1.70 - 0.72	14.2	13.7	4.0	170.00	190.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1870	187	4.00	- 0.10	197.5	+ 1.70 - 0.72	14.2	13.8	4.0	174.00	192.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1880	188	4.00	- 0.10	197.5	+ 1.70 - 0.72	14.2	13.8	4.0	174.00	193.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1900	190	4.00	- 0.10	199.5	+ 1.70 - 0.72	14.2	13.8	4.0	175.00	195.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1920	192	4.00	- 0.10	201.5	+ 1.70 - 0.72	14.2	13.8	4.0	178.00	197.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1950	195	4.00	- 0.10	204.5	+ 1.70 - 0.72	14.2	13.8	4.0	183.00	200.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1970	197	4.00	- 0.10	207.5	+ 1.70 - 0.72	14.2	14.0	4.0	190.00	202.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-1980	198	4.00	- 0.10	207.5	+ 1.70 - 0.72	14.2	14.0	4.0	190.00	203.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-2000	200	4.00	- 0.10	209.5	+ 1.70 - 0.72	14.2	14.0	4.0	195.00	205.0	+ 0.72	4.15	2.50	7.5	HC 5
	D1300-2020	202	5.00	- 0.12	214.0	+ 1.70 - 0.72	14.2	14.0	4.0	210.00	208.0	+ 0.72	5.15	3.00	9.0	HC 5
	D1300-2050	205	5.00	- 0.12	217.0	+ 1.70 - 0.72	14.2	14.0	4.0	225.00	211.0	+ 0.72	5.15	3.00	9.0	HC 5
	D1300-2070	207	5.00	- 0.12	217.0	+ 1.70 - 0.72	14.2	14.0	4.0	225.00	213.0	+ 0.72	5.15	3.00	9.0	HC 5
	D1300-2080	208	5.00	- 0.12	222.0	+ 1.70 - 0.72	14.2	14.0	4.0	270.00	214.0	+ 0.72	5.15	3.00	9.0	HC 5
	D1300-2100	210	5.00	- 0.12	222.0	+ 1.70 - 0.72	14.2	14.0	4.0	270.00	216.0	+ 0.72	5.15	3.00	9.0	HC 5
	D1300-2120	212	5.00	- 0.12	222.0	+ 1.70 - 0.72	14.2	14.0	4.0	270.00	218.0	+ 0.72	5.15	3.00	9.0	HC 5
	D1300-2150	215	5.00	- 0.12	227.0	+ 1.70 - 0.72	14.2	14.0	4.0	300.00	221.0	+ 0.72	5.15	3.00	9.0	HC 5
D1300-2170	217	5.00	- 0.12	227.0	+ 1.70 - 0.72	14.2	14.0	4.0	300.00	223.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2180	218	5.00	- 0.12	232.0	+ 1.70 - 0.72	14.2	14.0	4.0	315.00	224.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2200	220	5.00	- 0.12	232.0	+ 1.70 - 0.72	14.2	14.0	4.0	315.00	226.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2220	222	5.00	- 0.12	232.0	+ 1.70 - 0.72	14.2	14.0	4.0	315.00	228.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2250	225	5.00	- 0.12	237.0	+ 1.70 - 0.72	14.2	14.0	4.0	323.00	231.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2270	227	5.00	- 0.12	237.0	+ 1.70 - 0.72	14.2	14.0	4.0	323.00	233.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2280	228	5.00	- 0.12	242.0	+ 1.70 - 0.72	14.2	14.0	4.0	330.00	234.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2300	230	5.00	- 0.12	242.0	+ 1.70 - 0.72	14.2	14.0	4.0	330.00	236.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2320	232	5.00	- 0.12	242.0	+ 2.00 - 0.81	14.2	14.0	4.0	330.00	238.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2350	235	5.00	- 0.12	247.0	+ 2.00 - 0.81	14.2	14.0	4.0	338.00	241.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2370	237	5.00	- 0.12	247.0	+ 2.00 - 0.81	14.2	14.0	4.0	338.00	243.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2380	238	5.00	- 0.12	252.0	+ 2.00 - 0.81	14.2	14.0	4.0	345.00	244.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2400	240	5.00	- 0.12	252.0	+ 2.00 - 0.81	14.2	14.0	4.0	345.00	246.0	+ 0.72	5.15	3.00	9.0	HC 5	
D1300-2420	242	5.00	- 0.12	252.0	+ 2.00 - 0.81	14.2	14.0	4.0	345.00	248.0	+ 0.81	5.15	3.00	9.0	HC 5	
D1300-2450	245	5.00	- 0.12	257.0	+ 2.00 - 0.81	14.2	14.0	4.0	353.00	251.0	+ 0.81	5.15	3.00	9.0	HC 5	
D1300-2470	247	5.00	- 0.12	257.0	+ 2.00 - 0.81	14.2	14.0	4.0	353.00	253.0	+ 0.81	5.15	3.00	9.0	HC 5	
D1300-2480	248	5.00	- 0.12	262.0	+ 2.00 - 0.81	14.2	14.0	4.0	360.00	254.0	+ 0.81	5.15	3.00	9.0	HC 5	
D1300-2500	250	5.00	- 0.12	262.0	+ 2.00 - 0.81	14.2	14.0	4.0	360.00	256.0	+ 0.81	5.15	3.00	9.0	HC 5	

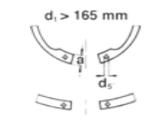
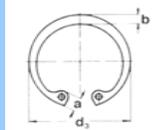
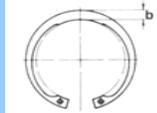
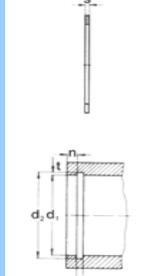
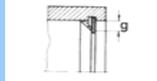


# INDUSTRIAL WORLD

D1300 Internal Circlips - Circlips For Bores - DIN 472																
Data Chart	Reference Number	Nominal Diameter (d <sub>1</sub> )	Circlip Dimensions								Groove Dimensions				Supplementary Data	
			Thickness (s)	Tolerance	Unstressed Diameter (d <sub>s</sub> )	Tolerance	Lug (a) max	Beam (b) ≈	Lug Hole (d <sub>5</sub> ) min	Weight Kg/1,000	Groove Diameter (d <sub>2</sub> )	Tolerance	Min Groove Width (m)	Radial Depth of Groove (t)	Shoulder Length (n)	Pliers
<p><b>Manufacturer's Choice</b></p>  <p><i>d<sub>1</sub> &gt; 165 mm</i></p> <p><b>Unstressed</b></p>     	D1300-2520	252	5.00	- 0.12	262.0	+ 2.00 - 0.81	14.2	16.0	5.0	360.00	260.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2550	255	5.00	- 0.12	270.0	+ 2.00 - 0.81	16.2	16.0	5.0	368.00	263.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2570	257	5.00	- 0.12	270.0	+ 2.00 - 0.81	16.2	16.0	5.0	368.00	265.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2580	258	5.00	- 0.12	275.0	+ 2.00 - 0.81	16.2	16.0	5.0	375.00	266.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2600	260	5.00	- 0.12	275.0	+ 2.00 - 0.81	16.2	16.0	5.0	375.00	268.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2620	262	5.00	- 0.12	275.0	+ 2.00 - 0.81	16.2	16.0	5.0	375.00	270.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2650	265	5.00	- 0.12	280.0	+ 2.00 - 0.81	16.2	16.0	5.0	383.00	273.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2670	267	5.00	- 0.12	280.0	+ 2.00 - 0.81	16.2	16.0	5.0	383.00	275.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2680	268	5.00	- 0.12	285.0	+ 2.00 - 0.81	16.2	16.0	5.0	388.00	276.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2700	270	5.00	- 0.12	285.0	+ 2.00 - 0.81	16.2	16.0	5.0	388.00	278.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2720	272	5.00	- 0.12	285.0	+ 2.00 - 0.81	16.2	16.0	5.0	388.00	280.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2750	275	5.00	- 0.12	290.0	+ 2.00 - 0.81	16.2	16.0	5.0	393.00	283.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2770	277	5.00	- 0.12	290.0	+ 2.00 - 0.81	16.2	16.0	5.0	393.00	285.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2780	278	5.00	- 0.12	295.0	+ 2.00 - 0.81	16.2	16.0	5.0	400.00	286.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2800	280	5.00	- 0.12	295.0	+ 2.00 - 0.81	16.2	16.0	5.0	400.00	288.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2820	282	5.00	- 0.12	295.0	+ 2.00 - 0.81	16.2	16.0	5.0	400.00	290.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2850	285	5.00	- 0.12	300.0	+ 2.00 - 0.81	16.2	16.0	5.0	408.00	293.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2870	287	5.00	- 0.12	300.0	+ 2.00 - 0.81	16.2	16.0	5.0	408.00	295.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2880	288	5.00	- 0.12	305.0	+ 2.00 - 0.81	16.2	16.0	5.0	415.00	296.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2900	290	5.00	- 0.12	305.0	+ 2.00 - 0.81	16.2	16.0	5.0	415.00	298.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2920	292	5.00	- 0.12	305.0	+ 2.00 - 0.81	16.2	16.0	5.0	415.00	300.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2950	295	5.00	- 0.12	310.0	+ 2.00 - 0.81	16.2	16.0	5.0	426.00	303.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2970	297	5.00	- 0.12	310.0	+ 2.00 - 0.81	16.2	16.0	5.0	426.00	305.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-2980	298	5.00	- 0.12	315.0	+ 2.00 - 0.81	16.2	16.0	5.0	435.00	306.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-3000	300	5.00	- 0.12	315.0	+ 2.00 - 0.81	16.2	16.0	5.0	435.00	308.0	+ 0.81	5.15	4.00	12.0	MAJ
	D1300-3050	305	6.00	- 0.15	322.0	+ 2.00 - 0.90	n/a	20.0	6.0	755.00	315.0	+ 0.81	6.20	5.00	15.0	MAJ
	D1300-3100	310	6.00	- 0.15	327.0	+ 2.00 - 0.90	n/a	20.0	6.0	770.00	320.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3150	315	6.00	- 0.15	332.0	+ 2.00 - 0.90	n/a	20.0	6.0	785.00	325.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3200	320	6.00	- 0.15	337.0	+ 2.00 - 0.90	n/a	20.0	6.0	800.00	330.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3250	325	6.00	- 0.15	342.0	+ 2.00 - 0.90	n/a	20.0	6.0	810.00	335.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3300	330	6.00	- 0.15	347.0	+ 2.00 - 0.90	n/a	20.0	6.0	820.00	340.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3350	335	6.00	- 0.15	352.0	+ 2.00 - 0.90	n/a	20.0	6.0	830.00	345.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3400	340	6.00	- 0.15	357.0	+ 2.00 - 0.90	n/a	20.0	6.0	840.00	350.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3450	345	6.00	- 0.15	362.0	+ 2.00 - 0.90	n/a	20.0	6.0	855.00	355.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3500	350	6.00	- 0.15	367.0	+ 2.00 - 0.90	n/a	20.0	6.0	870.00	360.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3550	355	6.00	- 0.15	372.0	+ 2.00 - 0.90	n/a	20.0	6.0	880.00	365.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3600	360	6.00	- 0.15	377.0	+ 2.00 - 0.90	n/a	20.0	6.0	890.00	370.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3650	365	6.00	- 0.15	382.0	+ 2.00 - 0.90	n/a	20.0	6.0	906.00	375.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3700	370	6.00	- 0.15	387.0	+ 2.00 - 0.90	n/a	20.0	6.0	920.00	380.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3750	375	6.00	- 0.15	392.0	+ 2.00 - 0.90	n/a	20.0	6.0	932.00	385.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3800	380	6.00	- 0.15	397.0	+ 2.00 - 0.90	n/a	20.0	6.0	940.00	390.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3850	385	6.00	- 0.15	402.0	+ 2.00 - 1.00	n/a	20.0	6.0	950.00	395.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3900	390	6.00	- 0.15	407.0	+ 2.00 - 1.00	n/a	20.0	6.0	960.00	400.0	+ 0.89	6.20	5.00	15.0	MAJ
	D1300-3950	395	6.00	- 0.15	412.0	+ 2.00 - 1.00	n/a	20.0	6.0	972.00	405.0	+ 1.00	6.20	5.00	15.0	MAJ
	D1300-4000	400	6.00	- 0.15	417.0	+ 2.00 - 1.00	n/a	20.0	6.0	980.00	410.0	+ 1.00	6.20	5.00	15.0	MAJ
D1300-4100	410	7.00	- 0.15	430.0	+ 2.00 - 1.00	n/a	26.0	6.0	1,380.00	422.0	+ 1.00	7.20	6.00	18.0	SMAJ	
D1300-4200	420	7.00	- 0.15	440.0	+ 2.00 - 1.00	n/a	26.0	6.0	1,410.00	432.0	+ 1.00	7.20	6.00	18.0	SMAJ	
D1300-4300	430	7.00	- 0.15	450.0	+ 2.00 - 1.00	n/a	26.0	6.0	1,440.00	442.0	+ 1.00	7.20	6.00	18.0	SMAJ	
D1300-4400	440	7.00	- 0.15	460.0	+ 2.00 - 1.00	n/a	26.0	6.0	1,470.00	452.0	+ 1.00	7.20	6.00	18.0	SMAJ	
D1300-4500	450	7.00	- 0.15	470.0	+ 2.00 - 1.00	n/a	26.0	6.0	1,510.00	462.0	+ 1.00	7.20	6.00	18.0	SMAJ	



# INDUSTRIAL WORLD

<b>D1300 Internal Circlips - Circlips For Bores - DIN 472</b>																
Data Chart	Reference Number	Nominal Diameter (d <sub>1</sub> )	Circlip Dimensions							Groove Dimensions				Supplementary Data		
			Thickness (s)	Tolerance	Unstressed Diameter (d <sub>s</sub> )	Tolerance	Lug (a) max	Beam (b) ≈	Lug Hole (d <sub>5</sub> ) min	Weight Kg/1,000	Groove Diameter (d <sub>2</sub> )	Tolerance	Min Groove Width (m)	Radial Depth of Groove (t)	Shoulder Length (n)	Pliers
<p>Manufacturer's Choice</p>  <p>Unstressed</p>    	D1300-4600	460	7.00	- 0.15	480.0	+ 2.00 - 1.00	n/a	26.0	6.0	1,550.00	472.0	+ 1.00	7.20	6.00	18.0	SMAJ
	D1300-4700	470	7.00	- 0.15	490.0	+ 2.00 - 1.00	n/a	26.0	6.0	1,595.00	482.0	+ 1.00	7.20	6.00	18.0	SMAJ
	D1300-4800	480	7.00	- 0.15	500.0	+ 2.00 - 1.00	n/a	26.0	6.0	1,640.00	492.0	+ 1.00	7.20	6.00	18.0	SMAJ
	D1300-4900	490	7.00	- 0.15	510.0	+ 3.00 - 1.50	n/a	26.0	6.0	1,685.00	502.0	+ 1.00	7.20	6.00	18.0	SMAJ
	D1300-5000	500	7.00	- 0.15	520.0	+ 3.00 - 1.50	n/a	26.0	6.0	1,730.00	512.0	+ 1.00	7.20	6.00	18.0	SMAJ
	D1300-5100	510	8.00	- 0.15	535.0	+ 3.00 - 1.50	n/a	26.0	6.0	2,250.00	524.0	+ 1.00	8.20	7.00	21.0	SMAJ
	D1300-5200	520	8.00	- 0.15	545.0	+ 3.00 - 1.50	n/a	26.0	6.0	2,290.00	534.0	+ 1.00	8.20	7.00	21.0	SMAJ
	D1300-5300	530	8.00	- 0.15	555.0	+ 3.00 - 1.50	n/a	26.0	6.0	2,335.00	544.0	+ 1.00	8.20	7.00	21.0	SMAJ
	D1300-5400	540	8.00	- 0.15	565.0	+ 3.00 - 1.50	n/a	26.0	6.0	2,380.00	554.0	+ 1.00	8.20	7.00	21.0	SMAJ
	D1300-5500	550	8.00	- 0.15	575.0	+ 3.00 - 1.50	n/a	26.0	6.0	2,430.00	564.0	+ 1.00	8.20	7.00	21.0	SMAJ
	D1300-5600	560	8.00	- 0.15	585.0	+ 3.00 - 1.50	n/a	26.0	6.0	2,495.00	574.0	+ 1.00	8.20	7.00	21.0	SMAJ
	D1300-5700	570	8.00	- 0.15	595.0	+ 3.00 - 1.50	n/a	26.0	6.0	2,560.00	584.0	+ 1.00	8.20	7.00	21.0	SMAJ
	D1300-5800	580	8.00	- 0.15	605.0	+ 3.00 - 1.50	n/a	26.0	6.0	2,625.00	594.0	+ 1.00	8.20	7.00	21.0	SMAJ
	D1300-5900	590	8.00	- 0.15	615.0	+ 3.00 - 1.50	n/a	26.0	6.0	2,700.00	604.0	+ 1.00	8.20	7.00	21.0	SMAJ
	D1300-6000	600	8.00	- 0.15	625.0	+ 3.00 - 1.50	n/a	26.0	6.0	2,770.00	614.0	+ 1.00	8.20	7.00	21.0	SMAJ
	D1300-6500	650	9.00	- 0.20	680.0	+ 3.00 - 1.50	n/a	34.0	6.0	3,600.00	666.0	+ 1.00	9.30	8.00	24.0	SMAJ
	D1300-7000	700	9.00	- 0.20	730.0	+ 4.00 - 2.00	n/a	34.0	6.0	4,120.00	716.0	+ 1.00	9.30	8.00	24.0	SMAJ
	D1300-7500	750	9.00	- 0.20	785.0	+ 4.00 - 2.00	n/a	34.0	9.0	4,540.00	768.0	+ 1.00	9.30	9.00	27.0	SMAJ
	D1300-8000	800	9.00	- 0.20	835.0	+ 4.00 - 2.00	n/a	34.0	9.0	5,450.00	818.0	+ 1.00	9.30	9.00	27.0	SMAJ
	D1300-8500	850	9.00	- 0.20	890.0	+ 4.00 - 2.00	n/a	34.0	9.0	5,990.00	870.0	+ 1.00	9.30	10.00	30.0	SMAJ
D1300-9000	900	9.00	- 0.20	940.0	+ 4.00 - 2.00	n/a	34.0	9.0	6,740.00	920.0	+ 1.00	9.30	10.00	30.0	SMAJ	
D1300-9500	950	9.00	- 0.20	1,000.0	+ 4.00 - 2.00	n/a	34.0	9.0	7,930.00	972.0	+ 1.00	9.30	11.00	33.0	SMAJ	
-	1000	9.00	- 0.20	1,050.0	+ 4.00 - 2.00	n/a	34.0	9.0	8,880.00	1,022.0	+ 1.00	9.30	11.00	33.0	SMAJ	

\* Circlips in excess of 650mm nominal are manufactured as concentric circlips.