

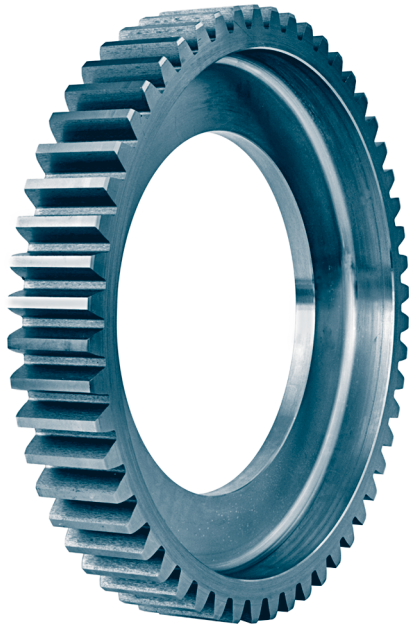
## Gear rings, screwed on

for crane wheels with slide bearings acc. to DIN 15 075

for crane wheels with anti friction bearings acc. to DIN 15 079 with wheel- $\varnothing$   $d_1 \geq 630$  mm

## DIN 15 082

part 1



Designation of a gear ring for wheel- $\varnothing$   $d_1 = 500$  mm, large gear ring form G:

**Gear ring G 500.1 DIN 15 082**

**Form K** small gear ring

**Form G** large gear ring

Without special agreement the gear rings are delivered without fastening bores. In normal case gear ring and wheel are drilled together during assembly.

material:

Gear ring G 200 – G 250 C45 or  
42CrMo4+QT

Gear ring G 315 – G 1250 GE300 (GS-60) or  
G42CrMo4+QT

**Other material and dimensions on request.**

Gear rings for crane wheels with anti friction bearings and wheel- $\varnothing \leq 500$  mm see DIN 15 082 Part 2.

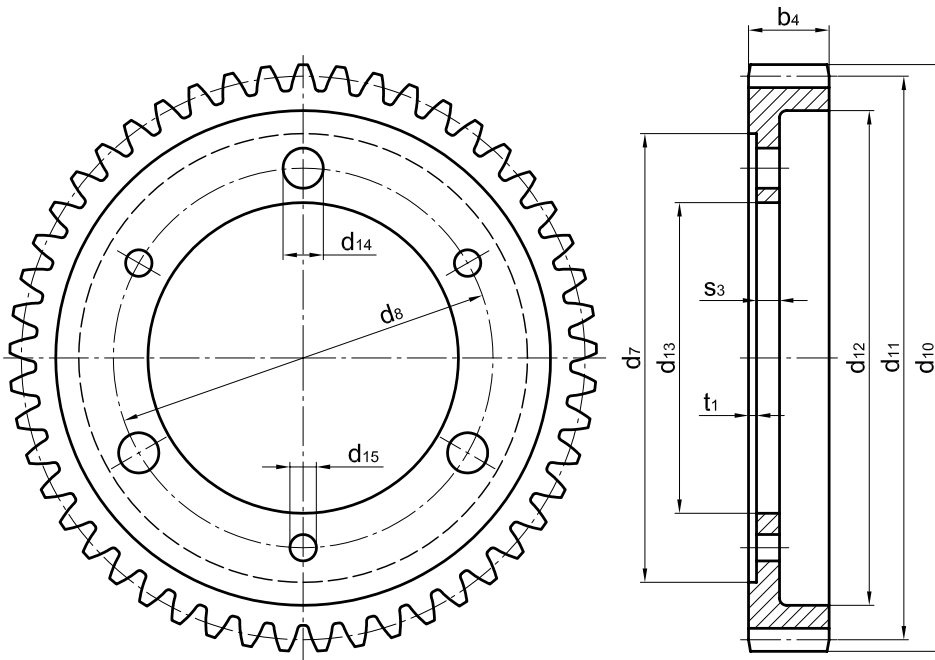
# Gear rings, screwed on

for crane wheels with slide bearings acc. to DIN 15 075

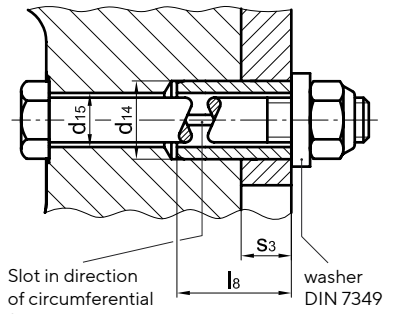
for crane wheels with anti friction bearings acc. to DIN 15 079 with wheel- $\varnothing$   $d_1 \geq 630$  mm

# DIN 15082

Part 1



**Shear joint** with heavy duty clamping sleeve acc. to, DIN EN ISO 8752 (DIN 1481)



for wheel- $\varnothing$ d1	clamping sleeve		for screw
	d14	l8	
200	21	26	M 12
250-315	28	36	M 16
400-500	35	45	M 20
630-900	40	50	M 24
1000-1250	50	55	M 30

for wheel- $\varnothing$ d1	form	number of teeth <sup>1)</sup>	module	b4	d7	d8	d10	d11	d12	d13	d14	d15	s3	t1	number of bores d14/d15	unit weight »[kg]
					H7		h11				H13					
200	G	40	5	40	160	125	210	200	165	90	21	14	12	5	2/2	5
250	G	50	5	50	200	155	260	250	210	110	28	18	16	5	2/2	10
315	G	52	6	60	260	200	324	312	270	155	28	18	16	5	2/2	15
400	K	40	8	65	270	210	336	320	270	150	35	23	18	5	2/2	20
	G	50			300	240	416	400	350	180						30
500	K	42	10	70	350	290	440	420	360	230	35	23	20	5	2/2	30
	G	49			390	330	510	490	430	270						40
630	K	54	10	80	460	400	560	540	480	335	40	27	22	5	3/3	50
	G	62			510	450	640	620	560	380						65
710	K	50	12	90	510	450	624	600	525	380	40	27	22	5	3/3	65
	G	58			580	520	720	696	620	450						90
800	K	58	12	100	610	550	720	696	620	480	40	27	22	5	3/3	100
	G	66			660	600	816	792	720	530						120
900	K	56	14	110	680	620	812	784	700	550	40	27	22	5	3/3	115
	G	63			750	690	910	882	800	620						145
1000	K	64	14	110	790	710	924	896	810	620	50	33	25	5	3/3	150
	G	70			840	760	1008	980	895	670						175
1120	K	62	16	125	880	800	1024	992	895	710	50	33	25	10	4/4	200
	G	68			950	870	1120	1088	990	780						250
1250	K	70	16	125	1000	920	1152	1120	1020	830	50	33	25	10	4/4	230
	G	76			1080	1000	1248	1216	1120	910						270

1) Tooth form according to DIN 867 without profile correction, Pressure angle 20 degree.