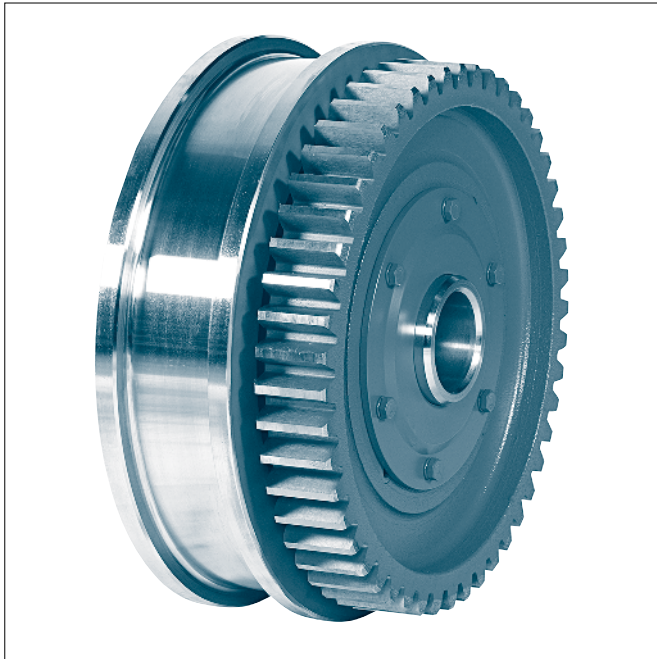


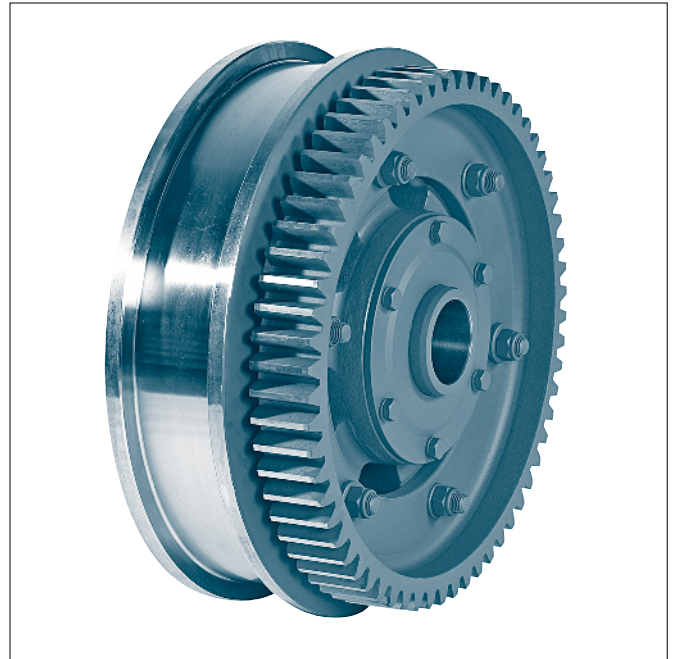
# Crane wheels with self aligning roller bearings, with gear ring

DIN 15 079

self aligning roller bearings series 222



**Form BG** broad crane wheel with large gear ring  
(running surface- $\varnothing d_1 \leq 500$  mm)  
gear ring pressed on



**Form BG** broad crane wheel with large gear ring  
(running surface- $\varnothing d_1 \geq 630$  mm)  
gear ring screwed on

Designation of a travel wheel form BG with nominal- $\varnothing d_1 = 630$  mm, gauge  $b_1 = 100$  mm, including self aligning roller bearings 222 26, covers with labyrinth gland:

### Crane wheel BG 630 × 100 DIN 15 079

- Form SK** narrow crane wheel (S) with small gear ring (K)
- Form SG** narrow crane wheel (S) with large gear ring (G)
- Form BK** broad crane wheel (B) with small gear ring (K)
- Form BG** broad crane wheel (B) with large gear ring (G)

The bearings are lubricated.

The bushing are supplied with lubricating hole and flattening against rotation (design see DIN 15 086).

Design of the covers see DIN 15 084.

Without certain agreement covers form A will be mounted.

Material:

Wheel body	GE420 (GS-70) or G42CrMo4+QT (GS-42CrMo4 V)
Inner bush	S355 (St 52)
Spacer	S355 (St 52) or EN-GJS-400-15 (GGG-40))
Cover	S355J2G3 (St 52-3)
Gear ring	GE300 (GS-60)

**Other material and dimensions (e. g. with self aligning roller bearings series 223) on request.**

Appendant gear rings see DIN 15 082 part 1 and part 2.

Appendant travel wheels without gear ring see DIN 15 078.

See DIN 15070 for basis of calculation for crane wheels.

Calculation of bearing load of wheels for service life calculation of anti-friction bearing see DIN 15 071.

Remarks to the following table:

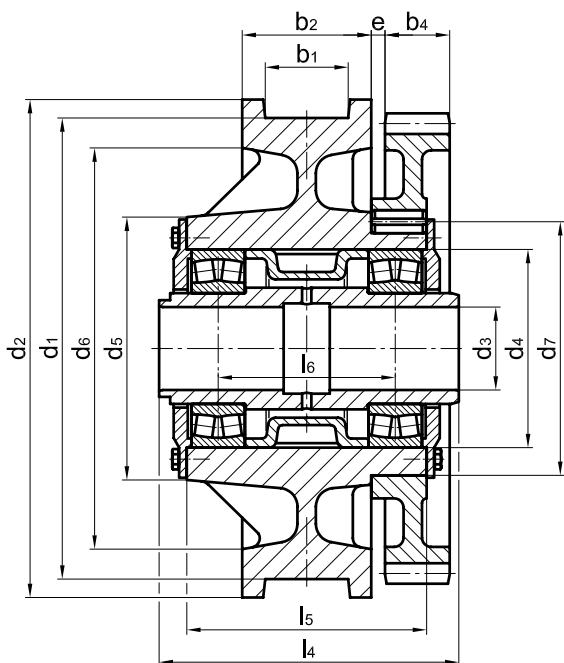
1)The dimension of the gauge recess  $b_1$  to be stated with order. For running surface profiles and correspondence of crane rails to running wheel diameter see DIN 15072.

2) exposition the dimensions see DIN 15 075

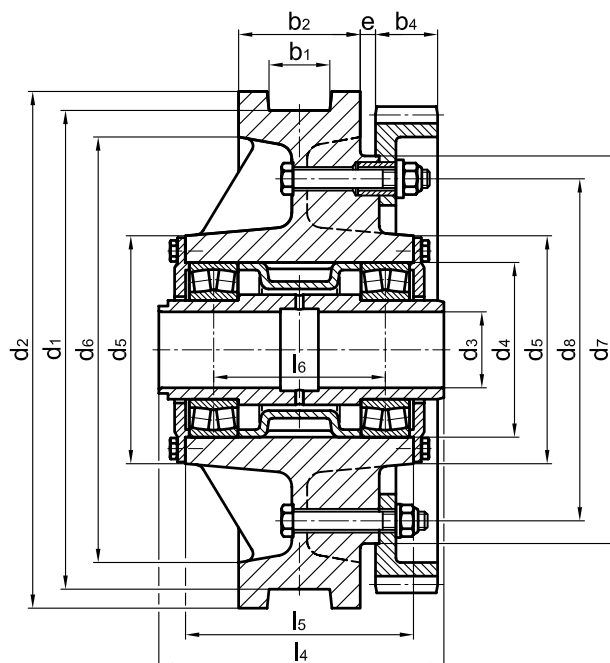
# Crane wheels with self aligning roller bearings, with gear ring

## DIN 15 079

self aligning roller bearings series 222



Crane wheel with pressed on gear ring  
(running surface- $\varnothing d_1 \leq 500$  mm)



Crane wheel with screwd on gear ring  
(running surface- $\varnothing d_1 \geq 630$  mm)

form	d <sub>1</sub>	b <sub>1</sub> <sup>1)</sup>	b <sub>2</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub>	d <sub>6</sub>	d <sub>7</sub>	d <sub>8</sub>	gear ring		e	f <sup>2)</sup>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>	s <sub>1</sub> <sup>2)</sup>	s <sub>2</sub> <sup>2)</sup>	no. of ribs and cams	bearings DIN 635-2	unit weight *[kg]		
											modul	no. of teeth												
SG	315	45-55	90	350	60	160	220	270	210	r6	-	6	52	15	-	250	190	140	18	-	-	22218	98	
BG		55-65	110													270	210	160					108	
SK	400	55-65	110	440	80	180	240	345	230	r6	-	8	40	65	15	-	280	220	164	20	-	-	22220	140
SG		50	152																					
BK		40	160																					
BG		50	172																					
SK	500	55-65	110	540	90	215	285	435	275	r6	-	10	42	70	15	35	290	230	162	20	15	4 without Nocken	22224	220
SG		49	232																					
BK		42	240																					
BG		49	252																					
SK	630	65-75	120	680	100	230	300	560	460	h9	-	10	54	80	20	40	330	260	186	20	15	6	22226	308
SG		510	323																					
BK		460	396																					
BG		510	411																					
SK	710	75-90	140	760	110	270	340	630	510	h9	-	12	50	90	20	40	370	300	217	25	18	6	22230	446
SG		580	471																					
BK		510	589																					
BG		580	614																					
SK	800	75-90	140	850	125	290	360	710	610	h9	-	12	58	100	20	40	390	320	230	25	18	6	22232	568
SG		660	588																					
BK		610	728																					
BG		660	748																					
SK	900	75-90	140	950	140	320	390	805	680	h9	-	14	56	110	20	40	410	340	244	25	18	6	22236	720
SG		750	750																					
BK		680	890																					
BG		750	920																					
SK	1000	75-90	140	1050	160	360	450	900	790	h9	-	14	64	110	20	50	410	330	222	30	20	6	22240	940
SG		840	965																					
BK		790	1130																					
BG		840	1155																					
BK	1120	95-160	220	1180	180	400	490	1010	880	h9	-	16	62	125	20	50	520	440	322	30	20	8	22244	1480
BG									950				1530											
BK	1250	95-160	220	1310	200	440	530	1140	1000	h9	-	16	70	125	20	50	520	440	310	30	20	8	22248	1730
BG									1080				1770											

footnote see page 38