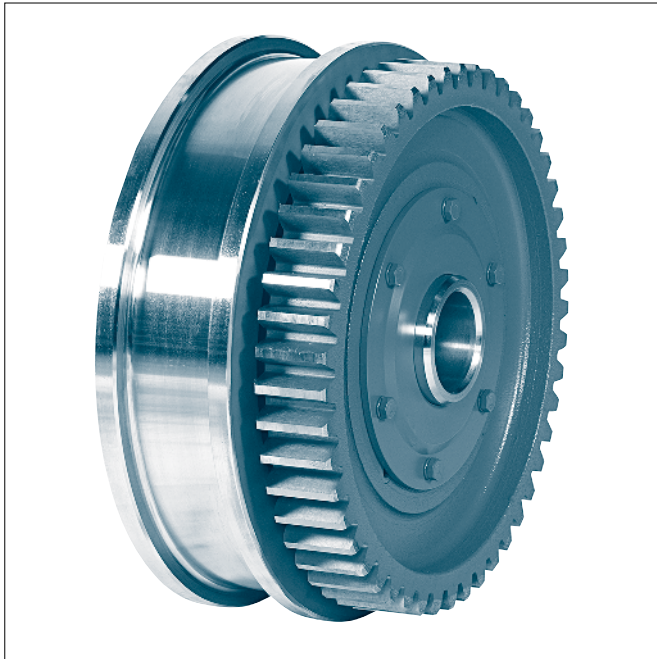


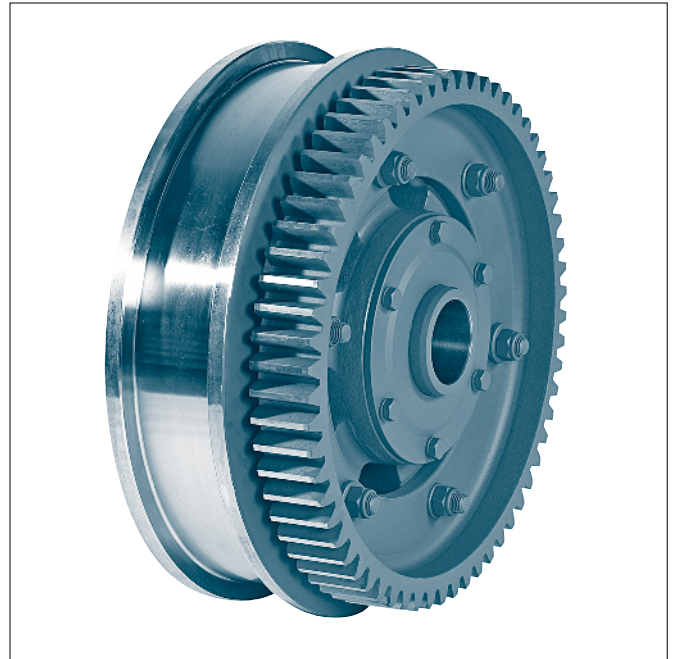
# Crane wheels with self aligning roller bearings, with gear ring

DIN 15 079

self aligning roller bearings series 222



**Form BG** broad crane wheel with large gear ring  
(running surface- $\varnothing d_1$  £ 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:

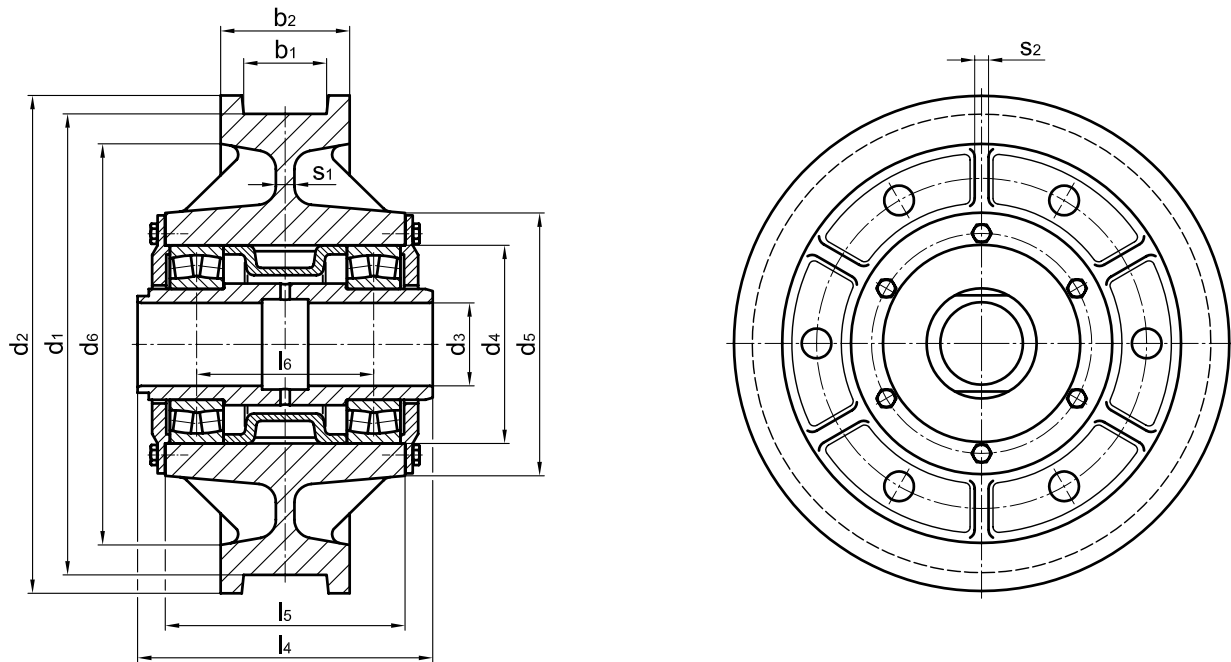
1)The dimension of the gauge recess  $b_1$  to be stated with order. For running surface profiles and correspondence of crane rails to running wheel diameter see DIN 15072.

2) exposition the dimensions see DIN 15 075

# Crane wheels with self aligning roller bearings, without gear ring

## DIN 15078

self aligning roller bearings series 222



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>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>	s <sub>1</sub>	s <sub>2</sub>	no. of ribs	bearing DIN 635-2	unit weight <sup>a</sup> [kg]
	h9				D10	M7			-0,5			min.	min.			
S	<b>315</b>	45-55	90	350	60	160	220	270	250	190	140	18	-	-	22218	80
B		55-65	110													270
S	<b>400</b>	55-65	110	440	80	180	240	345	280	220	164	20	-	-	22220	120
B		70-90	140													310
S	<b>500</b>	55-65	110	540	90	215	285	435	290	230	162	20	15	4	22224	180
B		70-90	140													320
S	<b>630</b>	65-75	120	680	100	230	300	560	330	260	186	20	15	6	22226	235
B		80-110	160													370
S	<b>710</b>	75-90	140	760	110	270	340	630	370	300	217	25	18	6	22230	370
B		95-160	210													440
S	<b>800</b>	75-90	140	850	125	290	360	710	390	320	230	25	18	6	22232	425
B		95-160	210													460
S	<b>900</b>	75-90	140	950	140	320	390	805	410	340	244	25	18	6	22236	570
B		95-160	210													480
S	<b>1000</b>	75-90	140	1050	160	360	450	900	410	330	222	30	20	6	22240	750
B		95-160	210													480
B	<b>1120</b>	95-160	220	1180	180	400	490	1010	520	440	322	30	20	8	22244	1190
B	<b>1250</b>	95-160	220	1310	200	440	530	1140	520	440	310	30	20	8	22248	1400

1) The dimension of the gauge recess b<sub>1</sub> to be stated with order. For running surface profiles and correspondence of crane rails to running wheel diameter see DIN 15072.