

# Heavy Duty Wheels

## Wheels (without castors) – Drawing No. R1

### Range of application:

- For robust use eg on construction sites.
- Can be inserted as a machine part.
- For transporting loads at a maximum speed of 100 m/min.
- When higher carrying capacity and greater sturdiness required.
- Impervious to shavings and dust.

### Characteristics of the model ...S with the greatest demand:

- Solid basic construction with ball bearings.
- Delivered with various castors.
- Made in stainless-steel on request.
- Special construction to suit customer requirements.
- Passed the DIN 4422 test at the material research laboratory for steel wheel 150 S.

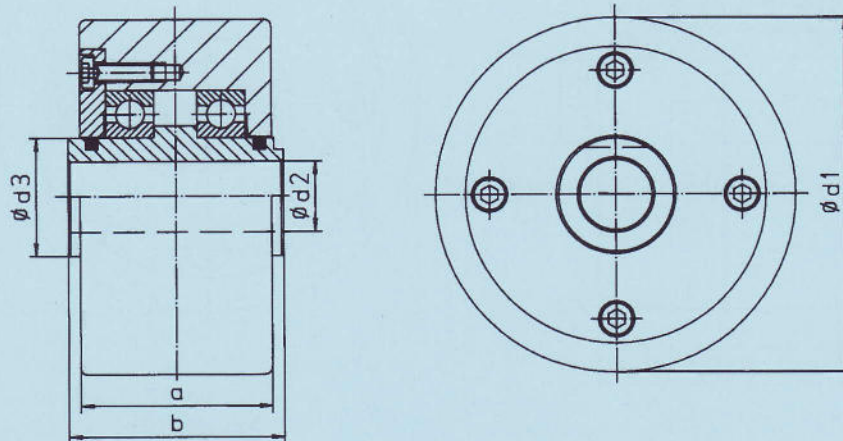
### Hints on use:

- Maintenance-free construction, used particularly in machine factories, on construction sites and for the handling of heavy goods.
- Can be combined with fixed castors and swivel castors (SF, SL, SD).

## Model S



- Material with a high carrying capacity, which is not very susceptible to rough handling.
- When a higher carrying capacity is required, they can be fitted with self-aligning roller bearings (see model ... S/P).
- Can also be delivered as a flange wheel construction (see model S-A, S-B).
- If there are problems with friction it can also be delivered with convex crowned wheel running surface (without additional charge).
- The chosen bearing dictates the maximum carrying capacity of these wheels.



## Model S

Mod.	a	b	$\varnothing d1$	$\varnothing d2$	$\varnothing d3$				Suitable castors	Carrying capacity (kN)	Weight (kg)	
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150 S	80	90	150	30	50			SF	SL	SD	30	9.7
175 S	80	90	175	30	50			SF	SL	SD	30	13.6
200 S	80	90	200	30	50			SF	SL	SD	30	18.1
225 S	80	90	225	30	50			SF		SD	30	23.3
250 S	80	90	250	30	50			SF		SD	35	29.3
275 S	80	90	275	30	50			SF		SD	35	36.3
300 S	80	90	300	30	50			SF			35	44.4