

# Conductive wheels and castors



## Load capacity

You can determine the required load capacity with the help of the following equation:

$$\frac{\text{Self weight of the device} + \text{guaranteed maximum}}{3} = \text{required load capacity per roll when using 4 castors}$$

According to DIN 8455 (ISO-standard) the load capacities are valid at walking speed of 4km/h and on even driveways. In place the indicated load capacities of the wheels and castors are valid for static loads. When having a dynamic load there has to be a 30% discount depending on the ground conditions.







Typical resistance to ground  $R_g = 10^3 - 10^5$  Ohm

## Heavy gadgets castors with thermoplastic rubber tires








- Diameter: 100 - 125 mm
- Load capacity: 80 - 100 kg
- ESD tire equipment, thermoplastic rubber about 85 Shore A, black
- Sheet steel rim
- Ball-bearing
- Filament protection
- Screwed axle
- Body made of sheet steel, galvanised
- Stable double ball-bearing at the backside









**On request: ESD-tire equipment in grey on the plastic rim.**










						ESD castors	ESD castors with a complete fixation
mm	mm	mm	mm	mm	kg	Order No:	Order No:
100	30	133	40	10,2	80	45.090.25	45.090.35
125	30	158	39	10,2	100	45.090.30	45.090.40

Expander fixation for a circular and a rectangular steel tube on request.

							ESD castors	ESD castors with a complete fixation
mm	mm	mm	mm	mm x mm	mm	kg	Order No:	Order No:
100	30	133	40	M 10 x 18		80	45.090.45	45.090.55
125	30	158	39	M 10 x 18		100	45.090.50	45.090.60

								ESD castors	ESD castors with a complete fixation
mm	mm	mm	mm	mm	mm	mm	kg	Order No:	Order No:
100	30	135	40	77 x 67	46,5 x 56,5	8,5	80	45.090.65	45.090.75
125	30	161	39	77 x 67	51,5 x 61,5	8,5	100	45.090.70	45.090.80

							ESD fixed-castors	
mm	mm	mm	mm	mm	mm	kg	Order No:	
100	32	135	77 x 95	45 x 72	9,0	80	45.090.85	
125	32	161	77 x 95		8,5	100	45.090.90	



# Conductive wheels and castors









## Gadgets castors

At our company you are not only buying a product but also our our know-how. Our products are extremely stable and long-living as well. We are very conscious about the trust you take in us.







### Gadgets castors with thermoplastic rubber tires









- Diameter: 50 - 100 mm
- Load capacity: 40 - 80 kg
- ESD tire equipment, thermoplastic rubber about 85 Shore A, black
- One-piece ball-bearing
- Plastic filament protection
- Screwed axle
- Body made of sheet steel, galvanised
- Stable double ball-bearing at the backside








On request: ESD-tire equipment in grey on the plastic rim.

 mm	 mm	 mm	 mm	 mm	 kg	ESD castors Order No:	ESD castors with a complete fixation Order No:
50	19	71	25	11	40	45.090.95	45.091.15
75	23	98	28	11	60	45.091.05	45.091.20
100	25	122	34	11	80	45.091.10	45.091.25

On request: expander fixation for circular and a rectangular steel tube.

 mm	 mm	 mm	 mm	 mm x mm	 kg	ESD castors Order No:	ESD castors with a complete fixation Order No:
50	19	71	25	M 10 x 18	40	45.091.30	45.091.45
75	23	98	28	M 10 x 18	60	45.091.35	45.091.50
100	25	122	34	M 10 x 18	80	45.091.40	45.091.55

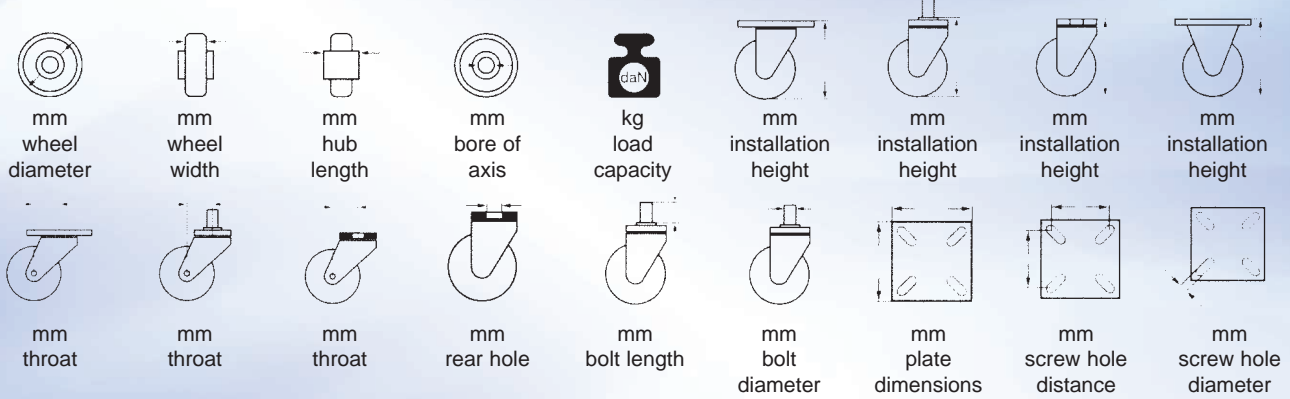
 mm	 mm	 mm	 mm	 mm	 mm	 mm	 kg	ESD castors Order No:	ESD castors with a complete fixation Order No:
50	19	71	25	60 x 60	38 x 38	6	40	45.091.60	45.091.75
75	23	98	28	60 x 60	bis	6	60	45.091.65	45.091.80
100	25	122	34	60 x 60	46 x 46	6	80	45.091.70	45.091.85

 mm	 mm	 mm	 mm	 mm	 mm	 kg	ESD fixed-castors Order No:	
50	19	71	60 x 60	38 x 38	6	40	45.091.90	
75	23	98	60 x 60	bis	6	60	45.091.95	
100	25	122	60 x 60	46 x 46	6	80	45.092.05	

# Conductive wheels and castors













## Conductive wheels and castors for a safe transport in all ESD protected areas













### ESD castors equipped with black rubber tires

- Diameter: 80-200 mm
- Galvanised housing made of sheet steel
- Solid rubber tire equipment, black
- Ball bearing
- Load capacity: 50-205 kg
- Double roller bearing, backside
- Sheet steel rims, galvanised
- Screwed axle













 mm	 mm	 mm	 mm	 mm	 mm	 mm	 mm	 mm	 mm	ESD castors
										Order No:
80	25	108	32	105 x 85	80 x 60	8,2	50	45.080.05		
100	30	128	32	105 x 85	80 x 60	8,2	70	45.080.10		
125	38	155	32	105 x 85	80 x 60	8,2	100	45.080.15		
125	38	155	44	135 x 105	105 x 75-80	10,2	100	45.080.20		
160	40	190	52	135 x 105	105 x 75-80	11,0	150	45.080.25		
200	50	235	54	135 x 105	105 x 75-80	11,0	205	45.080.30		








 mm	 mm	 mm	 mm	 mm	 mm	 mm	 mm	 mm	 mm	ESD castors With a complete fixation
										Order No:
80	25	108	32	105 x 85	80 x 60	8,2	50	45.080.35		
100	30	128	32	105 x 85	80 x 60	8,2	70	45.080.40		
125	38	155	32	105 x 85	80 x 60	8,2	100	45.080.45		
125	38	155	44	135 x 105	105 x 75-80	10,2	100	45.080.50		
160	40	190	52	135 x 105	105 x 75-80	11,0	150	45.080.55		
200	50	235	54	135 x 105	105 x 75-80	11,0	205	45.080.60		



 mm	 mm	 mm	 mm	 mm	 mm	 mm	 mm	 mm	 mm	ESD fixed castors
										Order No:
80	25	108		105 x 85	80 x 60	8,2	50	45.080.65		
100	30	128		105 x 85	80 x 60	8,2	70	45.080.70		
125	38	155		105 x 85	80 x 60	8,2	100	45.080.75		
125	38	155		135 x 105	105 x 75-80	10,2	100	45.080.80		
160	40	190		135 x 105	105 x 75-80	11,0	150	45.080.85		
200	50	235		135 x 105	105 x 75-80	11,0	205	45.080.90		



 mm	 mm	 mm	 mm	 kg	ESD ball-bearing castors
					Order No:
80	25	12	38	50	45.080.95
100	30	12	38	70	45.090.05
125	38	15	48	100	45.090.10
125	40	20	59	150	45.090.15
160	50	20	59	205	45.090.20