



Grey cast iron is suitable for high loads at extreme temperatures

It is a durable and wear-resistant material. The material's load capacity, hardness and tensile strength remain unchanged across a wide temperature range (-100° C to +600° C). The high surface pressure must be observed when using this material on pressure-sensitive floors.

Properties

- ☞ high load capacity
- ☞ durable
- ☞ extremely temperature resistant
- ☞ high elongation at breakage
- ☞ low rolling resistance
- ☞ excellent chemical resistance



Hardness range

approx. 180 – 220 HB (ball pressure hardness)

Temperature range

grey cast iron can be used from -100° C to 600° C, depending on the wheel and castor series

Bearing types

- ☞ plain bearing (through hole)
- ☞ ball bearing
- ☞ precision bore and keyway groove

areas of use // floors





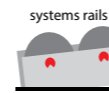
Features:

- GGG wheels:
- made of special grey cast iron with plain bearing
- cleanly cast, de-burred and painted

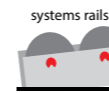
Properties:

- high load capacity
- durable
- extremely temperature resistant
- high elongation at breakage
- low rolling resistance
- excellent chemical resistance
- (old designation: 101-plain bearing)

floors



floors



Features:

- GGK wheels:
- made of special grey cast iron with ball bearing
- cleanly cast, de-burred and painted

Properties:

- high load capacity
- durable
- extremely temperature resistant
- high elongation at breakage
- low rolling resistance
- excellent chemical resistance
- (old designation: 101-ball bearing)



wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
GGG-065-30-34-G07-blue Ident No.: 0010063	65	30	7	34	150
GGG-080-35-39-G10-blue Ident No.: 0010065	80	35	10	39	250
GGG-100-35-44-G12-blue Ident No.: 0010069	100	35	12	40	350
GGG-125-35-49-G12-blue Ident No.: 0010074	125	35	12	49	450
GGG-150-50-58-G15-blue Ident No.: 0010081	150	50	15	58	650
GGG-160-50-58-G15-blue Ident No.: 0010084	160	50	15	58	700
GGG-200-50-58-G20-blue Ident No.: 0010086	200	50	20	58	1,000
GGG-250-60-65-G25-blue Ident No.: 0010091	250	60	25	65	1,250

wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
GGK-100-30-30-K15 Ident No.: 0010071	100	30	15	30	300
GGK-125-32-32-K15 Ident No.: 0010075	125	32	15	32	400
GGK-150-45-60-K20 Ident No.: 0039225	150	45	20	60	600
GGK-200-48-48-K20 Ident No.: 0036835	200	48	20	48	1,000
GGK-200-45-60-K25 Ident No.: 0039226	200	45	25	60	1,000
GGK-200-48-48-K25 Ident No.: 0010087	200	48	25	48	1,000
GGK-250-60-67-K20 Ident No.: 0032128	250	60	20	67	1,250
GGK-250-60-67-K25 Ident No.: 0032850	250	60	25	67	1,250

Suitable castors can be found on page 221

Suitable castors can be found on page 223

Matching accessories can be found on page 432

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All-steel wheels with extremely high carrying capacity.

Steel has an extremely high static and dynamic load capacity. Our all-steel wheels are machined from C45/10503 and have a lightly oiled surface. Other qualities of steel, surface coatings and dimensions are also available on request. The high surface pressure must be observed when using this material on pressure-sensitive floors.

Properties

- ☞ very high static and dynamic load-carrying capacity
- ☞ run well on smooth floor surfaces
- ☞ very high abrasion resistance
- ☞ very low rolling resistance
- ☞ electrically conductive



Hardness range

approx. 190 – 230 HB (ball pressure hardness)

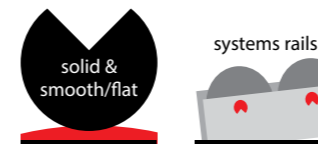
Temperature range

steel can be used from -100° C to +600° C,
depending on the wheel and castor series

Bearing types

- ☞ plain bearing (through hole)
- ☞ ball bearing
- ☞ precision bore and keyway groove

areas of use // floors





high load capacity

Features:

- STS wheels:
- all-steel wheels with ball bearings
- surface lightly oiled

Properties:

- very high static and dynamic load capacity
- runs well on smooth floor surfaces
- very high abrasion resistance
- very low rolling resistance
- electrically conductive
- (old designation: 6/...)

floors



wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
STS-075-35-35-K15 Ident No.: 0036626	75	35	15	35	600
STS-080-34-34-K25 Ident No.: 0035662	80	34	25	34	700
STS-100-40-45-K25 Ident No.: 0028591	100	40	25	45	1,700
STS-100-50-50-K15 Ident No.: 0012639	100	50	15	50	1,200
STS-125-55-60-K30 Ident No.: 0028592	125	55	30	60	2,750
STS-130-60-60-K20 Ident No.: 0012641	130	60	20	60	2,200
STS-150-45-45-K45 Ident No.: 0034776	150	45	45	45	3,200
STS-150-55-60-K45 Ident No.: 0028593	150	55	45	60	4,000
STS-150-60-60-K20 Ident No.: 0012643	150	60	20	60	2,500
STS-200-55-60-K50 Ident No.: 0028594	200	55	50	60	6,000
STS-200-60-60-K20 Ident No.: 0012646	200	60	20	60	3,800
STS-200-60-60-K25 Ident No.: 0011201	200	60	25	60	3,800
STS-200-80-90-K20 Ident No.: 0039864	200	80	20	90	3,800
STS-200-80-90-K60 Ident No.: 0028595	200	80	60	90	6,000
STS-250-65-75-K70 Ident No.: 0028596	250	65	70	75	10,000

Suitable castors can be found on pages 241, 249

Matching accessories can be found on page 432

Heat-resistant wheels and castors

Solid rubber and plastic materials can be mixed in special combinations so that they are extremely temperature resistant from -40° C to +300° C. These wheels and castors were specially developed for use in applications with high temperature fluctuations (such as in baking and curing ovens).

Properties

- extremely temperature resistant



Note

- the load-carry capacity is reduced at temperatures above 30° C
- solid rubber wheels can become temporarily flattened if they are kept in one position over a long period and at high temperatures.
- plastic wheels are not entirely suitable for crossing thresholds and for use on uneven floors

Hardness range

depends on the tread material

Temperature range

depends on the series of wheel

Bearing types

- plain bearing (through hole)
- ball bearing

areas of use // floors





Features:

- HGK wheels:
- wheel body made of plastic, black, with plain or ball bearing
- rubber tread, red

Properties:

- non-marking
- permanently elastic
- extremely temperature resistant: -60° C to +250° C
- (old designation: HI-Soft)

Note:

The specified load-carrying capacity is reduced by approx. 30% when the max. warming level is reached.



floors



wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
HGK-080-30-39-G12-red Ident No.: 0034413	80	30	12	39	40
HGK-100-30-38-G12-red Ident No.: 0016811	100	30	12	38	60
HGK-125-30-38-G12-red Ident No.: 0016816	125	30	12	38	80
HGK-150-40-58-K20-red Ident No.: 0033075	150	40	20	58	100
HGK-200-50-59-G20-black Ident No.: 0080034	200	50	20	59	200

floors



Features:

- HDK wheels:
- plastic wheel body, black, with plain bearings

Properties:

- extremely temperature resistant: -40° C to +250° C
- (old designation: HI)

Note:

These wheels are not entirely suitable for crossing thresholds and for use on uneven floors.



wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
HDK-080-33-40-G12 Ident No.: 0016807	80	33	12	40	150
HDK-100-34-40-G12 Ident No.: 0016809	100	34	12	40	160
HDK-125-40-48-G15 Ident No.: 0016814	125	40	15	48	180
HDK-150-50-58-G20 Ident No.: 0016818	150	50	20	58	250
HDK-200-52-58-G20 Ident No.: 0016822	200	52	20	58	300



Features:

- PAA wheel series:
- polyamide wheel body with plain bearing
- temperature resistance: -25° C to +80° C
- polyamide can absorb and release moisture

Properties:

- excellent chemical resistance
- long working life
- runs well on smooth floor surfaces
- low rolling resistance
- (old designation: GL)

floors



floors



Features:

- TPGK wheel series:
- polypropylene wheel body with plain bearing
- temperature resistance: -20° C to +60° C
- thermoplastic rubber tread, grey, approx. 85° shore A

Properties:

- runs quietly
- non-marking
- low rolling resistance
- (old designation: P and TPG)



wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
PAA-015-12-12-G05 Ident No.: 0016647	15	12	5	12	20
PAA-025-14-15-G05 Ident No.: 0016648	25	14	5	15	30
PAA-030-15-16-G05 Ident No.: 0016649	30	15	5	16	35
PAA-032-18-20-G06 Ident No.: 0016650	32	18	6	20	40
PAA-038-18-20-G06 Ident No.: 0016654	38	18	6	20	40
PAA-045-18-20-G06 Ident No.: 0016655	45	18	6	20	45
PAA-050-18-21-G08 Ident No.: 0016660	50	18	8	20.5	50
PAA-075-23-28-G08 Ident No.: 0016665	75	23	8	28	60
PAA-100-23-29-G08 Ident No.: 0016678	100	23	8	29	60

wheels	wheel ø mm	wheel width mm	axle hole ø mm	hub length mm	load-carrying capacity kg
TPGK-050-18-22-G06 Ident No.: 0022475	50	18	6	21.5	40
TPGK-050-18-22-G08 Ident No.: 0022478	50	18	8	21.5	40
TPGK-075-23-29-G06 Ident No.: 0022485	75	23	6	29	50
TPGK-075-23-28-G08 Ident No.: 0022486	75	23	8	28	50
TPGK-080-31-37-G12 Ident No.: 0025262	80	31	12	36.5	70
TPGK-100-23-29-G08 Ident No.: 0022495	100	23	8	29	65
TPGK-100-23-29-G12 Ident No.: 0022492	100	23	12	29	60
TPGK-100-31-37-G12 Ident No.: 0025263	100	31	12	36.5	80
TPGK-125-29-34-G12 Ident No.: 0022498	125	29	12	33.5	60
TPGK-125-31-37-G12 Ident No.: 0025264	125	31	12	36.5	100

Suitable castors can be found on pages 326, 331, 332, 333, 334

Suitable castors can be found on pages 337, 338, 339, 340, 349, 350

Matching accessories can be found on page 432

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