SERIES 68 FV

POLYAMIDE 6 SOLID WHEELS CHARGED WITH GLASS FIBER

100-125 mm

80 Shore D

250-350 daN
4 km/h

250-350 daN

-30 / +130 °C

INOX

Description

Polyamide 6 solid wheels charged with glass fiber, to increase the resistance to temperature from -30°C up to +130°C. Hardness 80 Shore D.

Hub with ball bearings with interference assembly in the seats obtained by moulding. The bearing is protected against external agents by polyamide plain bore caps charged with glass fiber with internal labyrinth. Also available with stainless steel ball bearings.

Uses

Mainly suitable for static uses on smooth and compact flooring, for medium-duty carrying capacities. Resistant to temperatures between -30°C and +130°C, suitable for use on equipment that has to be frequently washed and sterilised, especially in autoclaves.
The excellent rolling resistance ensures that minimum effort is needed when manual handling, but only on smooth floors.
They are combined with brackets and axle components which are specific for high temperature environments.
Examples of recommended applications: trolleys for internal use in the food and canning industries, tannery equipments.

Environments of use

Resistant to medium-harsh chemical agents, they are suitable for industrial and institutional environments, also in presence of humidity and chemical agents.
Not recommended in areas with strong organic acids and mineral acids.

WEAK ACIDS		WEAK BASES	
STRONG ACIDS		STRONG BASES	
WATER		HYDROCARBONS	
ALCOHOL		SOLVENTS	

For information on the compatibility of the component wheel materials with specific aggressive chemical substances, see table at page 40.

Floors

Only suitable on smooth and compact tile and resin-cement flooring. Not suitable in presence of obstacles.
They may damage fragile floors.
Not recommended on abrasive, unpaved floors or in presence of processing residues.

Force required to push or tow a wheel

	100 kg	150 kg	200 kg	250 kg	300 kg	350 kg
100 mm	<1	1.2	1.5	2	---	---
125 mm	<1	< 1	1.1	1.5	1.8	2.2

For each load and diameter, the table indicates the force (in daN) needed to push or tow a single wheel at the constant speed of 4 km/h on smooth flooring. For manual handling of a 4-wheeled trolley we recommend diameters that have values < 5 daN, for frequent handling we recommend diameters with values < 3 daN.

Combination with brackets

Standard-duty brackets NL
Maximum carrying capacity 220 daN - available diameters 100-125 mm
Top plate and bolt hole fittings.

Stainless steel standard-duty brackets NLX
Maximum carrying capacity 220 daN - available diameters 100-125 mm
Top plate and bolt hole fittings.

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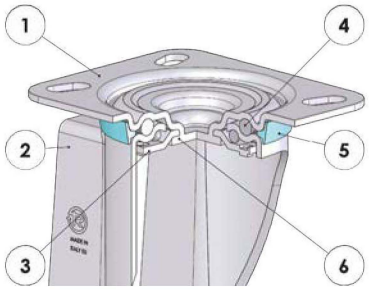
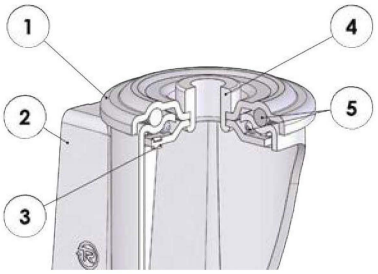
mm	mm	kg	CODE	kg	CODE	mm	mm	daN	daN.	daN
100	30	0.27	683502	0.27	683602	12	45	**250**	**250**	**250**
125	30	0.33	683503	0.33	683603	12	45	**350**	**350**	**350**

Standard-duty brackets NL - max carrying capacity 220 daN



1) Plate: electrolytically galvanised steel plate
2) Fork: electrolytically galvanised steel plate
3) Dust seal: blue polyamide
4) Ball race ring: electrolytically galvanised steel plate
5) Swivel actions: double ball ring with grease lubrication
6) King pin: integrated with the plate and cold-riveted

mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN
100	30	0.74	684882	0.63	685182	128	100x85	80x60	9	35	**220**
125	30	0.83	684883	0.72	685183	156	100x85	80x60	9	37	**220**

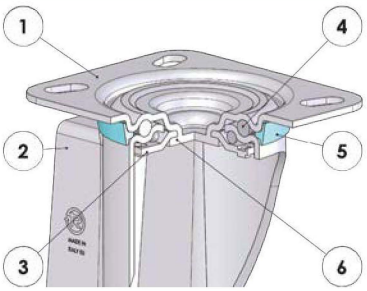


1) Plate: electrolytically galvanised steel plate
2) Fork: electrolytically galvanised steel plate
3) Ball race ring: electrolytically galvanised steel plate
4) King pin: bushing in electrolytically galvanised steel
5) Swivel actions: double ball ring with grease lubrication

mm	mm	kg	CODE	mm	mm	mm	mm	daN
100	30	0.69	688082	128	73	12	35	**220**
125	30	0.78	688083	156	73	12	37	**220**

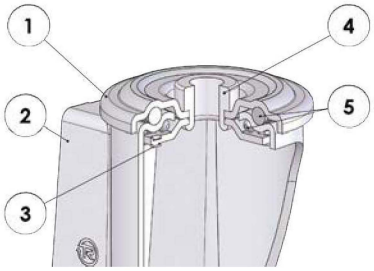
Stainless steel standard-duty brackets NLX - max carrying capacity 220 daN

INOX



1) Plate: AISI 304 stainless steel
2) Fork: AISI 304 stainless steel
3) Ball race ring: AISI 304 stainless steel
4) Dust seal: blue polyamide
5) Swivel actions: double ball ring with grease lubrication
6) King pin: integrated with the plate and cold-riveted

											4 km/h			
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN			
100	30	0.74	684682	0.63	685682	128	100x85	80x60	9	35	**220**			
125	30	0.83	684683	0.72	685683	156	100x85	80x60	9	37	**220**			



1) Plate: AISI 304 stainless steel
2) Fork: AISI 304 stainless steel
3) Ball race ring: AISI 304 stainless steel
4) King pin: bushing in stainless steel
5) Swivel actions: double ball ring with grease lubrication

								4 km/h						
mm	mm	kg	CODE	mm	mm	mm	mm	daN						
100	30	0.69	685982	128	73	12	35	**220**						
125	30	0.78	685983	156	73	12	37	**220**						