

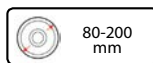
HIGH TEMPERATURE



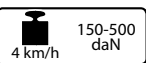


SERIES
67

SOLID THERMOSETTING RESIN
WHEELS



80-200
mm



150-500
daN



125-240
km/h

-20 / +300
°C

INOX

PAGE 240

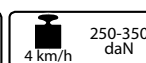


SERIES
68F

POLYAMIDE 6 SOLID WHEELS CHARGED
WITH GLASS FIBER



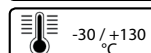
100-125
mm



250-350
daN



250-350
km/h



-30 / +130
°C

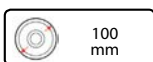
INOX

PAGE 248

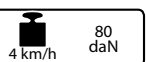


SERIES
72G

SILICONE RUBBER WHEELS
WITH ALUMINIUM CENTRE



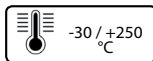
100
mm



80
daN



80
km/h

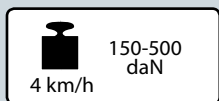
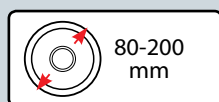


-30 / +250
°C

INOX

PAGE 252

THERMOSETTING RESIN SOLID WHEELS



INOX



Description

Thermosetting resin solid wheels, resistant to temperature from -20°C up to 300°C.

Hub with plain bore hole which directly houses the axle.

Hub with shielded ball bearings lubricated with a grease for high temperatures; steel thread-guards to protect the ball bearings from external agents and dirt.

Uses

Their resistance to high temperature makes them particularly suitable for use in the food industry and in cooking ovens, particularly in the bakeries.

They are fitted with brackets and axle components, which are specific for high temperatures.

The ball bearings version ensures an excellent performance and the absence of squeaking over long cycle time applications, even in presence of heavy loads.

They are resistant to medium-harsh chemical agents.

Not suitable in presence of obstacles along the path or on delicate flooring.

Environments of use

Suitable for industrial and institutional environments, also in presence of humidity and chemical agents.

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 36.



Floors

Suitable on tiles and resin-cement; not recommended on abrasive, unpaved floors or in presence of processing residues.

Not suitable on fragile floor or with obstacles along the path.



Force required to push or tow a wheel

 	100 kg	200 kg	300 kg	400 kg	500 kg
80 mm	4	----	----	----	----
100 mm	3.7	8.2	----	----	----
125 mm	3	7	11	----	----
150 mm	2	5.5	9	----	
200 mm	1	4	6.5	9	12

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.

Available with brackets:



Standard-duty brackets NL

Maximum carrying capacity 300 daN - available diameters 80-200 mm
Top plate and bolt hole fittings.



Stainless steel standard-duty brackets NLX

Maximum carrying capacity 300 daN - available diameters 80-200 mm
Top plate and bolt hole fittings.












Stainless steel medium-heavy brackets PX

Maximum carrying capacity 500 daN - available diameters 150-200 mm
Top plate fitting.

SERIES 67 THERMOSETTING RESIN SOLID WHEELS



																
mm	mm	kg	COD.	mm	mm	daN	daN	daN								
80	35	0,18	672201	12	39	250	125	150								
100	35	0,30	671102	12	44	300	130	200								
100	35	0,29	672202	15	44	300	130	200								
125	35	0,43	672203	15	44	400	180	300								
150	50	0,90	672104	20	58	500	190	300								
200	50	1,68	672106	20	58	700	240	500								

Axle sets



Low tickness PTFE-coated steel axle tubes.

Available for fitting with 80,100 and 125mm standard duty NL brackets.
Suitable also for heavy usages over short cycle time applications.



Standard steel and stainless steel axle tubes for 150 and 200mm wheels fitted with standard duty NL and NLX brackets, as well as with PX medium-heavy duty brackets.
Suitable also for heavy usages over short cycle time applications.
















High tickness PTFE-coated stainless steel axle tube for assembly with 80,100 and 125mm standard duty NLX brackets.
Available to order for fitting with other brackets.
Suitable for medium-heavy duty loads over long cycle time applications.



Low friction innovative PTFE bushings over a steel or stainless steel axle tube.
Available for fitting with 80 and 100mm NL and NLX brackets.
Suitable for situations of heavier duty and long cycle time applications.

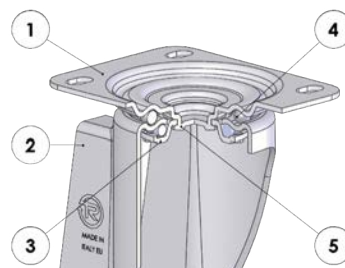


												
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	daN	daN	daN
80	35	0,27	672501	0,21	674101	15	35	32	9	250	160	160
100	38	0,44	672502	0,37	674102	15	38	32	9	300	240	240


































Ball bearings protection kit composed of:
- n° 2 galvanised steel threadguards
- n° 2 galvanised steel spacers
Item nr. 924610VE

Standard-duty brackets NL - max carrying capacity 300 daN















- 1) Plate: electrolytically galvanised steel plate
- 2) Fork: electrolytically galvanised steel plate
- 3) Ball race ring: electrolytically galvanised steel plate
- 4) Swivel actions: double ball ring with grease lubrication for high temperatures
- 5) King pin: integrated with the plate and cold-riveted

												Axle set		
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	daN			
80	35	0,71	677101	0,43	678101	107	100x85	80x60	9	37	150			
100	35	0,85	677102	0,53	678102	128	100x85	80x60	9	35	200			
125	35	1,07	677103	0,73	678103	156	100x85	80x60	9	37	220			
150	50	2,23	677314	1,90	678304	194	140x110	105x80	11	56	300			
200	50	3,08	677316	2,87	678306	240	140x110	105x80	11	56	300			

												Eje		
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	daN			
80	35	0,77	677201	0,49	677401	107	100x85	80x60	9	37	150			
100	35	0,91	677202	0,59	677402	128	100x85	80x60	9	35	200			



														
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	daN			
80	35	0,75	677111	0,63	678111	107	100x85	80x60	9	37	160			
100	38	0,95	677112	0,80	678112	128	100x85	80x60	9	35	200			

Options available to order (plain bore)



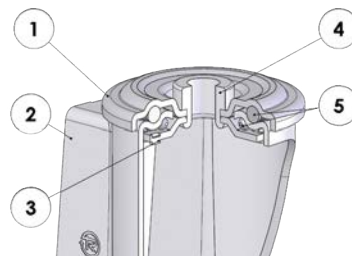
Axle components with stainless steel tube coated with hi-thickness PTFE















Axle components with stainless steel tube coated with hi-thickness PTFE and spacers












SERIES 67 THERMOSETTING RESIN SOLID WHEELS

Standard-duty brackets NL - max carrying capacity 300 daN












- 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 for high temperatures

									Axle set						
mm	mm	kg	COD.	mm	mm	mm	mm	daN							
80	35	0,62	676101	107	73	12	37	150							
100	35	0,72	676102	128	73	12	35	200							
125	35	1,05	676103	156	73	12	37	220							

									Axle set						
mm	mm	kg	COD.	mm	mm	mm	mm	daN							
80	35	0,68	677501	107	73	12	37	150							
100	35	0,78	677502	128	73	12	35	200							



															
mm	mm	kg	COD.	mm	mm	mm	mm	daN							
80	35	0,70	676111	107	73	12	37	160							
100	35	0,87	676112	128	73	12	35	200							

Options available to order (plain bore)

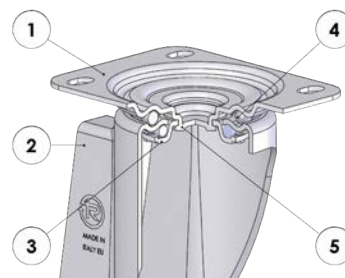


Axle components with stainless steel tube coated with hi-thickness PTFE




















Axle components with stainless steel tube coated with hi-thickness PTFE and spacers















Stainless steel standard-duty brackets NLX - max carrying capacity 300 daN



INOX

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

												Axle set		
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	daN			
80	35	0,71	677701	0,40	678701	107	100x85	80x60	9	37	150			
100	35	0,79	677702	0,52	678702	128	100x85	80x60	9	35	200			
125	35	0,92	677713	0,80	678713	156	100x85	80x60	9	37	220			
150	50	2,21	677704	1,77	678704	194	140x110	105x80	11	56	300			
200	50	3,06	677706	2,60	678706	240	140x110	105x80	11	56	300			

												Axle set		
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	daN			
80	35	0,78	677901	0,47	678001	107	100x85	80x60	9	37	150			
100	35	0,86	677902	0,59	678002	128	100x85	80x60	9	35	200			

Options available to order

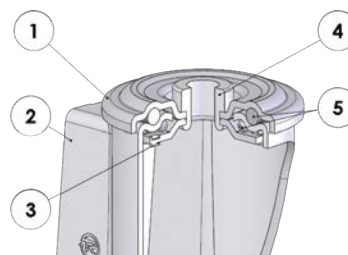


Ball bearing wheel
with NLX stainless steel
bracket













SERIES 67 THERMOSETTING RESIN SOLID WHEELS












Stainless steel standard-duty brackets NLX - max carrying capacity 300 daN

INOX



- 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 stainless steel ball ring with grease lubrication for high temperatures

									Axle set					
mm	mm	kg	COD.	mm	mm	mm	mm	daN						
80	35	0,62	676701	107	73	12	37	150						
100	35	0,72	676702	128	73	12	35	200						
125	35	1,05	676703	156	73	12	37	220						

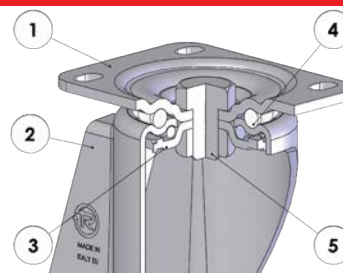
									Axle set					
mm	mm	kg	COD.	mm	mm	mm	mm	daN						
80	35	0,69	678201	107	73	12	37	150						
100	35	0,79	678202	128	73	12	35	200						

Options available to order

















Ball bearing wheel
with NLX stainless steel
bracket

Stainless steel medium-heavy duty brackets PX - max carrying capacity 500 daN



INOX

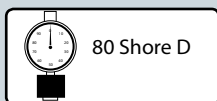
- 1) Plate: AISI 304 stainless steel
- 2) Fork: AISI 304 stainless steel
- 3) Ball race ring: AISI 304 stainless steel
- 4) Swivel actions: double stainless steel ball ring with grease lubrication for high temperatures
- 5) King pin: screw and nut in stainless steel

												Axle set		
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN			
150	50	3.25	677004	1.90	677104	200	140x110	105x80	11	70	300			
200	50	4.25	677006	2.74	677106	250	140x110	105x80	11	70	500			

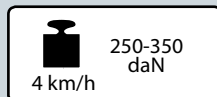
POLYAMIDE 6 SOLID WHEELS CHARGED WITH GLASS FIBER



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 auto-claves.

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
STRONG ACIDS
WATER
ALCOHOL



WEAK BASES
STRONG BASES
HYDROCARBONS
SOLVENTS



For information on the compatibility of the component wheel materials with specific aggressive chemical substances, see table at page 36.

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.



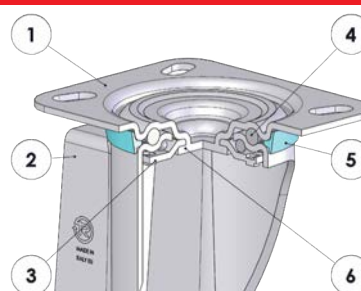
Stainless steel standard-duty brackets NLX

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














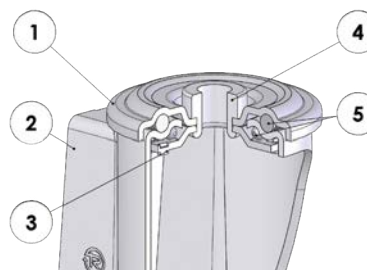
															
mm	mm	kg	CODE	kg	CODE	mm	mm	daN	daN	daN					
100	30	0.27	683502	0.27	683602	12	45	250	250	250					
125	30	0.33	683503	0.33	683603	12	45	350	350	350					

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

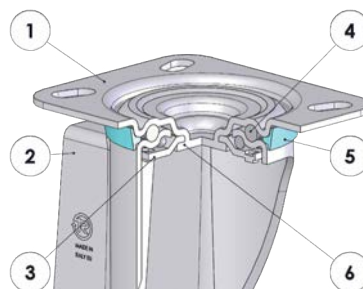
															
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN				
100	30	0.74	684882	0.63	685182	128	100x85	80x60	9	35	220				
125	30	0.83	684883	0.72	685183	156	100x85	80x60	9	37	220				



- 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							

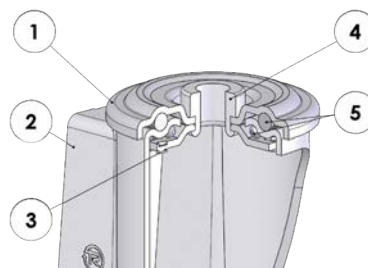
Stainless steel standard-duty brackets NLX - max carrying capacity 220 daN















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

																	
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						



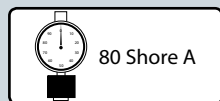
- 1) Plate: AISI 304 stainless steel
- 2) Fork: AISI 304 stainless steel
- 3) Ball race ring: AISI 304 stainless steel
- 4) King pin: bushing in stainless steel
- 5) Swivel actions: double ball ring with grease lubrication

																	
mm	mm	kg	CODE	mm	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									

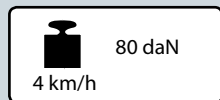
SILICONE RUBBER WHEELS WITH ALUMINIUM CENTRE



100
mm



80 Shore A

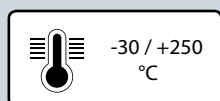


80 daN

4 km/h



80 daN



-30 / +250
°C

INOX



Description

Tyre: red non-marking silicone rubber, hardness 80 Shore A, resistant to temperatures up to 250°C.

Centre: aluminium.

Hub with ball bearings with silicone grease for high temperatures, interference assembly in the seats obtained by moulding.

Uses

Suitable for use at temperatures from -30 up to +250°C. Particularly suitable for intermittent use in baking ovens (maximum permanence at 250°C is of 30 minutes, with subsequent period of resting of at least 30 minutes, at room temperature).

They have excellent elasticity features and guarantee an easy overcoming of obstacles on uneven flooring also; compared to high temperature solid wheels, they allow a significant noise reduction.

They are combined with brackets and axle components specific for high temperatures; all wheels are also fitted with threadguards.

Not suitable in presence of obstacles along the path or on delicate flooring.

Environments of use

Suitable for industrial and institutional environments. They are resistant to medium-harsh chemical agents and humidity. Not recommended in areas with strong acids and oils.

WEAK ACIDS
STRONG ACIDS
WATER
ALCOHOL



WEAK BASES
STRONG BASES
HYDROCARBONS
SOLVENTS



For information on the compatibility of the component wheel materials with specific aggressive chemical substances, see table at page 36.

Floors



Suitable for use on tiles, resin-cement; not recommended on abrasive, unpaved floors or in the presence of processing residues.

Not suitable on delicate floor or with obstacles along the path.

They do not mark the floor.



Force required to push or tow a wheel

 	50 kg	75 kg	100 kg
100 mm	<1	4	----

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.

Available with brackets



Standard-duty brackets NL

Maximum carrying capacity 80 daN - available diameters 100 mm
Top plate and bolt hole fittings. Available with front brake.

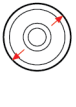
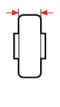



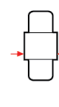





Stainless steel standard-duty brackets NLX

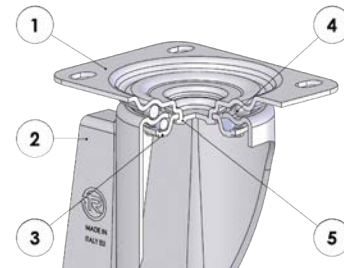
Maximum carrying capacity 80 daN - available diameters 100 mm
Top plate and bolt hole fittings. Available with front brake.

SERIES 72G SILICONE RUBBER WHEELS WITH ALUMINIUM CENTRE

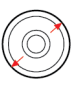
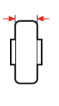






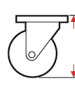
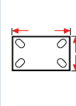
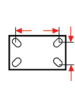
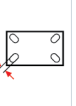

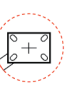



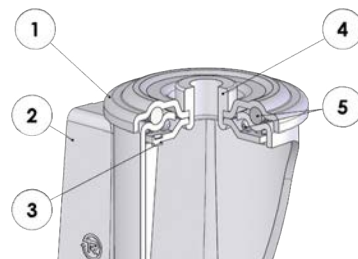
									250 °C	250 °C	250 °C			
mm	mm	kg	CODE	mm	mm	daN	daN	daN	daN	daN	daN			
100	40	0.43	722152	15	40	100	80	80	40	40	40			

Standard-duty brackets NL - max carrying capacity 80 daN

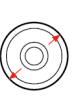
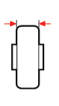





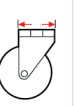
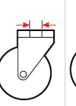








- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) Swivel actions: double ball ring with grease lubrication for high temperatures
 - 5) King pin: integrated with the plate and cold-riveted
- Available with total front foot brake

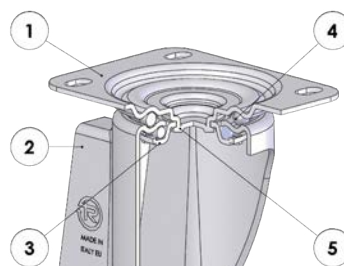
															250 °C
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN	daN
100	40	0.96	724452PF	0.71	726252PF	1.17	727152PF	128	100x85	80x60	9	35	120	80	40



- 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 for high temperatures
- Available with total front foot brake

															250 °C
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN	daN			
100	40	0.86	727352PF	1.07	727452PF	128	73	12	35	120	80	40			

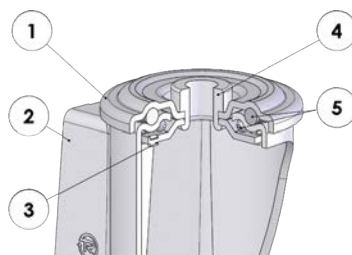
Stainless steel standard-duty brackets NLX - max carrying capacity 80 daN



INOX

- 1) Plate: AISI 304 stainless steel
 - 2) Fork: AISI 304 stainless steel
 - 3) Ball race ring: AISI 304 stainless steel
 - 4) Swivel actions: double stainless steel ball ring with grease lubrication for high temperatures
 - 5) King pin: integrated with the plate and cold-riveted
- Available with total front foot brake

mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN	daN	250 °C
100	40	0.96	724462PF	0.71	726262PF	1.17	727162PF	128	100x85	80x60	9	35	120	80	40	



INOX

- 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 stainless steel ball ring with grease lubrication for high temperatures
- Available with total front foot brake

mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN	daN	250 °C			
100	40	0.86	727362PF	1.07	727462PF	128	73	12	35	120	80	40				