



105x80 ?  
med kingpin ?  
130-50 = 80 mm oh

# DC Di Candia Ruote

Catalogue 2018

plate 100x85 mm  
round edge

sfera inox  
trattare giosfere



Specialized manufacturer of  
Wheels and Castors



Quality in Motion

# DC Di Candia Ruote

## About us, our history and background

Di Candia Srl was founded during the year 1953 by the President of the company, Mr. Antonio Di Candia, as manufacturer of accessories for aeronautic industry, high temperature components and parts of electric motors, becoming in a short time one of the most important companies in its field of industry.

Thanks to the experience in special materials through the years, in 1973 the company starts the production of wheels for high and low temperatures, to answer the request of one of the largest European manufacturers of wheels and castors, for which the company will be the unique supplier for more than 30 years.

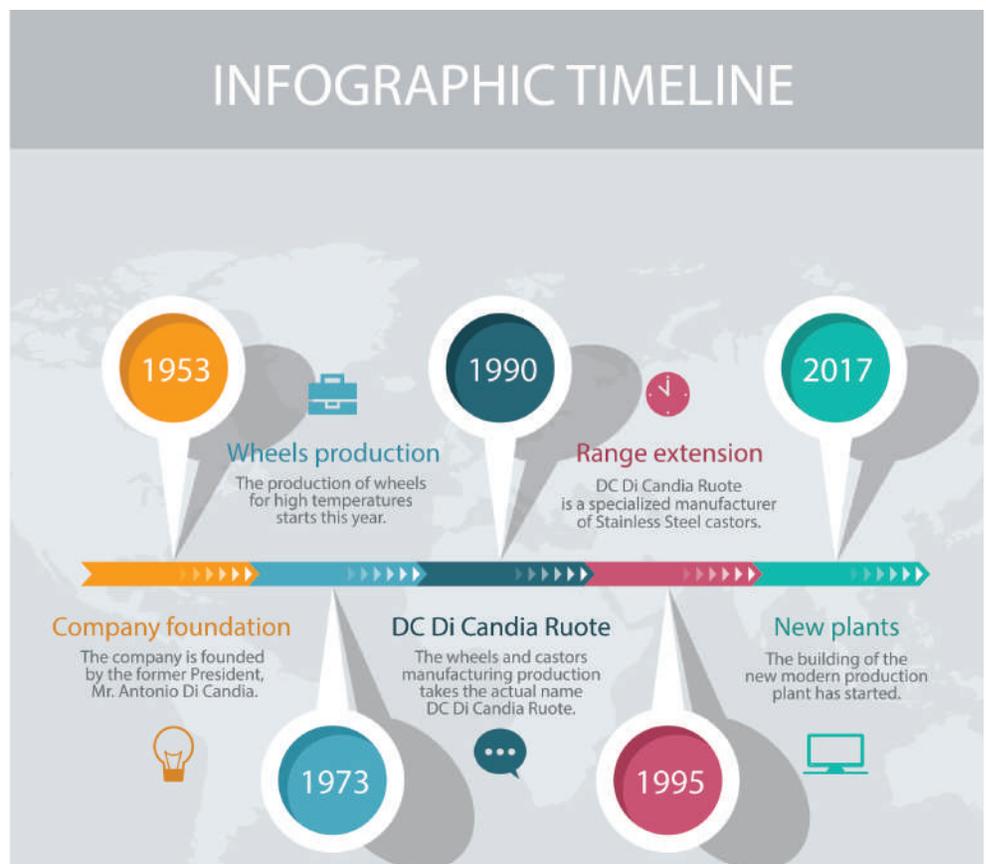
In 1973 Di Candia Srl splits the production of accessories for aerospace industry and electric motors from the wheels production, becoming during these years the largest European manufacturer of high temperature wheels and supplying about the 80% of the market.

The wheel production became then one of the most important in Italy, taking the actual name DC Di Candia Ruote and improving the investments, creates its own logo and starts the collaboration and distribution of wheels through distributors and wholesalers, first in Europe then around the whole World.

At the end of the 90's DC Di Candia Ruote expands its production range, introducing a new line of Stainless Steel brackets, zinc-plated brackets, Nylon-Polyurethane, Nylon-Elastic Polyurethane wheels, Nylon and Nylon+fibers wheels, addressing the production toward specialized sectors of the industry, such as the bakery industry, food and meat industry, sanitary, musical and show industry, and becoming itself the specialist in Stainless Steel brackets production for which is today offering the highest quality in the market.

DC Di Candia is currently distributing the production through a network of distributors and wholesalers in the five Continents, manufacturing each part and all products exclusively in Italy, utilizing high quality raw materials selected in Italy and Europe, and thanks to the internal development and production of moulds and tooling, the production always take advantage of the latest technologies and production processes, offering an unmatched quality of products to the market.

The high standard of production are joined to a young, trained and skilled commercial and technical staff which ensures a full time great customer service and complete assistance both for technical and commercial inquiries to distributors and customers.



# Index

Where to find our products throughout the Catalogue

## Ditherm LTW

-40°C +150°C

High grade Polyamide filled with glass and natural fibers

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## D-NAMIC

HD Polyamide 6 core + red solid Polyurethane tyre  
Hardness 92 Shore A

Pages 50-51-52-53-54-55

## Ditherm MTW

-40°C +300°C

Ditherm® compound combined with special fibers

Pages 20-21-22-23-24-25



## D-FLEX

HD Polyamide 6 core + blue elastic Polyurethane tyre  
Hardness 82 Shore A

Pages 56-57-58-59-60-61

## Ditherm STW

-70°C +280°C

Ditherm® compound combined with special fibers

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## POLY-D

Natural HD Polyamide 6

Pages 62-63-64-65-66-67

## Ditherm RHT

-40°C +260°C

Ditherm® compound + special black HT elastic rubber tyre

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## ACW

HD Polyamide 6 core + blue superelastic compound tyre  
Hardness 72 Shore A

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## Ditherm RXT

-40°C +300°C

Ditherm® compound + special white HT elastic rubber tyre

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## XTREME-Z

Medium and Heavy duty galvanized brackets

Pages 75-76-77

## Ditherm XTW

-50°C +400°C

Composite compound + natural fibers

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## XTREME-X

Medium and Heavy duty AISI 304 Stainless Steel brackets

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# Chemical compatibility

Control the compatibility of our products vs chemical agents

The chart which follows can be useful to identify the chemical resistance of the wheels and brackets against the most common chemical and physic environments where they can be used. In the need of using the wheels into special or extremely aggressive environments we recommend to contact the DC technical service in order to receive any information and suggestion on the proper solution to adopt case by case.

	LTW	MTW	STW	RHT	RXT	XTW	D-Namic	D-Flex	Poly-D	ACW	Xtreme Inox	Xtreme zinc
<b>Weak acids</b>												
Fatty acids	■	■	■	■	■	■	■	■	■	■	■	■
Acetic acid	■	■	■	■	■	■	■	■	■	■	■	■
Boric acid in solution	■	■	■	■	■	■	■	■	■	■	■	■
Oleic acid	■	■	■	■	■	■	■	■	■	■	■	■
Oxalic acid in solution	■	■	■	■	■	■	■	■	■	■	■	■
Sulphurous acid	■	■	■	■	■	■	■	■	■	■	■	■
<b>Strong acids</b>												
Hydrochloric acid in sol.	■	■	■	■	■	■	■	■	■	■	■	■
Chromic acid in solution	■	■	■	■	■	■	■	■	■	■	■	■
Phosphoric acid in solution	■	■	■	■	■	■	■	■	■	■	■	■
Nitric acid in solution	■	■	■	■	■	■	■	■	■	■	■	■
Sulphuric acid in solution	■	■	■	■	■	■	■	■	■	■	■	■
<b>Weak bases</b>												
Aluminium acetate	■	■	■	■	■	■	■	■	■	■	■	■
Ammonium carbonate	■	■	■	■	■	■	■	■	■	■	■	■
Ammonium sulphate	■	■	■	■	■	■	■	■	■	■	■	■
Sodium cyanide in solution	■	■	■	■	■	■	■	■	■	■	■	■
Alkaline solutions at 80 %	■	■	■	■	■	■	■	■	■	■	■	■
<b>Strong bases</b>												
Ammonium hydrate	■	■	■	■	■	■	■	■	■	■	■	■
Sodium carbonate in sol.	■	■	■	■	■	■	■	■	■	■	■	■
Sodium phosphate in sol.	■	■	■	■	■	■	■	■	■	■	■	■
Sodium hydroxide in sol.	■	■	■	■	■	■	■	■	■	■	■	■
Sodium silicate in solution	■	■	■	■	■	■	■	■	■	■	■	■
<b>Alcohol</b>												
Alkybenzols	■	■	■	■	■	■	■	■	■	■	■	■
Amyl alcohol	■	■	■	■	■	■	■	■	■	■	■	■
Ethyl alcohol	■	■	■	■	■	■	■	■	■	■	■	■
Methyl alcohol	■	■	■	■	■	■	■	■	■	■	■	■
Propyl alcohol	■	■	■	■	■	■	■	■	■	■	■	■
<b>Solvents</b>												
Acetone	■	■	■	■	■	■	■	■	■	■	■	■
Turpentine	■	■	■	■	■	■	■	■	■	■	■	■
<b>Hydrocarbons</b>												
Petrol, petroleum oil	■	■	■	■	■	■	■	■	■	■	■	■
Diesel oil	■	■	■	■	■	■	■	■	■	■	■	■
Mineral oils	■	■	■	■	■	■	■	■	■	■	■	■
Petrolio	■	■	■	■	■	■	■	■	■	■	■	■
<b>Others</b>												
Sea water	■	■	■	■	■	■	■	■	■	■	■	■
Water at 80°	■	■	■	■	■	■	■	■	■	■	■	■
Cold water	■	■	■	■	■	■	■	■	■	■	■	■
Sodium Chloride in sol.	■	■	■	■	■	■	■	■	■	■	■	■
Saturated steam	■	■	■	■	■	■	■	■	■	■	■	■

■ Not recommended ■ Tolerated ■ Good ■ Recommended

# Standards and tests

Rules, terminology and conformity of DC products



## Important notices about new regulation about food industry wheels and castors materials !

During the last years we have faced the introduction and the modification of important rules which impose new limitations and new limits to materials to be used for the manufacturing of wheels and castors for food industry, bakery industry, high temperatures and for those equipment destined to contact with food, even in high temperatures.

As Europe is warning, **“the continue rush to cheaper products during the last years has caused a dramatic reduction of the quality of the products indicated for use in food industry, also due to the import of raw materials or finished parts from those countries where the imposed rules are not respected”.**

In fact, both the European Community and the American FDA have released some important rules improvement, to guarantee the strictest control on products for the food and bakery industry, to which DC Di Candia Ruote is proud to comply in full.

The European Community has released a new complete list of rules, setting new limits and regulating the list of materials and test procedures including components of wheels and castors for high temperature use.

The American FDA has released a list of revised rules for materials to comply with for the USA market.

Extract from article #3: ....“Materials and articles designed to contact food substances, directly or indirectly, must be sufficiently inert to preclude substances from being transferred to food in quantities large enough to endanger human health or to bring about an unacceptable change in the composition of the food or a deterioration in the organoleptic properties”.

Anticipating the entrance of these new rules, DC Di Candia Ruote is proud to inform that, thanks to the high quality of raw materials and to the continue updates in production processes, all our products are already compliant to the new regulation at the date of printing.

## The Multiwheel program by DC Di Candia Ruote



The DC's "Multi-wheel" logo is warranty of highest care, first quality in raw materials, strict rules compliance, continuous improvement in the field of the food industry castors and production exclusively Made in Italy.

It is the first group of dedicated wheels and castors entirely developed for use in food and bakery industry, please ask to our commercial team for more information and literature on the "Multi-wheel" program.



# Standards and tests

## Rules, terminology and conformity of DC products

The DC Di Candia Ruote products has been designed and manufactured following the main European Standards related to manufacturing of wheels and castors.

Dynamic load capacity values indicated in this catalogue\* have been determined in accordance with the set forth in UNI EN 12528, 12529 , 12530, 12532.

The following standards are applicable to DC Di Candia Ruote products:

ISO 2163 - Terminology

ISO 2175 - Dimensions and nominal capacities

ISO 2184 - Rectangular plates with four attachment holes

ISO 3102 - Swivel castor assembly offset ISO 3102

EN 12527 - Wheels and castors - Test methods and apparatus

EN 12531 - Castors and wheels - Castors and wheels for manually propelled, institutional application

EN 12532 - Wheels and castors - Wheels and castors for applications up to 1.1 m/s

\* Dynamic load capacity for high temperature wheels have been determined following the above standards further to 30 min. heating at indicated max. temperature.

All DC Di Candia Ruote products are produced in compliance to the international standards for wheels and brackets series.

The below table indicates the major international standards, with references to DC Di Candia Ruote series designed and tested according to the specifications of each standard.

Standard n.	Title	DC Series to which applies
ISO 22877:2004 UNI EN 12526:2002	Vocabulary, recommended symbols and multilingual dictionary	All DC series
ISO 22878:2004 UNI EN 12527:2001	Wheels and brackets, test methods and equipment	All DC series
ISO 22881:2004 UNI EN 12530:2001	Wheels and brackets, wheels and brackets for manually propelled institutional equipment	All DC series
ISO 22883:2004 UNI EN 12532:2001	Wheels and brackets, wheels and brackets for applications up to 1.1 m/s	All DC series

DC Di Candia Ruote also guarantee that :



The catalogue products are all compliant with the European Directive 2002/95/EC (RoHS) specifications; DC Di Candia Ruote is committed to maintain the product conformity, even after the upgrading of Directive 2011/65/EC (RoHS 2).



The products are compliant to regulation 1907/96/EC (REACH) and, together with our suppliers, we commit to work in respect of any eventual upgrade.

A wide range of products is compatible for each category regulated by the ZEK 01-08 document issued by the Central Experience Exchange Committee, with regard to the PAH contents (Polycyclic aromatic hydrocarbons).



Selected products and parts are FDA certified for use in food and hygienic environments.

# User guide

## Guide to the correct use of the DC products

### FOR A CORRECT USE

The user must comply with and apply all the recommendations provided by the manufacturer regarding the use, assembly and preventive and periodic maintenance of its products. These recommendations are listed in the following paragraphs. For further information, please ask DC for the Technical Handbook or download / print the same Handbook using the QR code at the bottom of this page.

#### Wheel maximum load and carrying capacity

The carrying capacity declared by the manufacturer is the maximum value, expressed in Kg, to which a wheel or a bracket can be subjected to without reducing its operating efficiency.

The user must check the suitability of the carrying capacity declared by the manufacturer in relation to the load, the wheel and bracket layout on the trolley to be moved, the number of them actually in contact with the ground and any other conditions (type of surface on which the trolley moves, temperature, humidity, presence of aggressive chemical agents in the operating environment) that may affect the operating conditions of the mechanical parts.

#### Speed

The maximum speed for which DC refers to the rated carrying capacity is 4 km/h (1.1m/s). For applications at higher speed or for traction purposes, please contact DC.

#### Floor

The load capacity declared in this catalogue refers to use on smooth and compact floors in good condition. Uneven floors, obstacles and different levels require may effect the performance and a different type of wheel should be preferred.

#### Means of traction and moving intensity

The rated carrying capacity declared in this catalogue refers to manual handling with interruptions during use. For continuous operation or motorised / traction, please contact DC.

#### Environment

The user must check that the materials used to make the selected product are compatible with physical and chemical conditions of the operating environment.

#### Braking and/or locking device

Brakes are designed to park the trolley on slopes of generally no more than 3%, respecting the condition that at least two wheels of the trolley equipped with brakes are in contact with the ground. In case of use on higher gradients, to ensure the trolley remains still in these conditions, the load must be reduced or the number of braking devices must be increased. DC is at your disposal for any additional details or explanations.

#### Storage

DC recommends that products are stored in a ventilated place, with temperature in between -10°C and +40°C, without high humidity and protected from dust. Do not store for long periods of time and protect from direct sunlight to avoid the risk of color modification on certain wheels.



Download the Technical Handbook

# User guide

## Guide to the correct use of the DC products

### INSTALLATION

For best performances, extended service life and eventual warranty compliance, the instructions listed below must be respected.

#### Wheel assembly

- Check the mechanical strength of the attachment parts (axle sets, nuts, washers) used for the type of assembling and the load to which they are subjected.
- Fit the axle set horizontally, perpendicular to the operating direction, and prevent it from rotating.
- Check that the nut is tightened on the axle set and that the wheel rotates freely once the installation is completed.

#### Bracket assembly

The trolley structure must be dimensioned to withstand the stress exerted on it and to guarantee that attachment surfaces are leveled. They must be flat, horizontal and dimensioned to guarantee that the corresponding bracket attachment surfaces are perfectly coplanar in the attachment point. **Welding the bracket to the trolley is not recommended.**

We recommend:

- To mount the bracket with a plate using screws, nuts and washers with the sizes and quantity indicated by DC
- To tighten the nuts or screws with the appropriate torque.
- To guarantee that brackets eventually fitted with a solid stem are fixed into tubular structures with precise tolerances.
- To guarantee that the tubular structure of the trolley is in full contact with the bracket attachment surface.
- To guarantee, for brackets with a threaded stem or bolt hole, that the bracket connection surface adheres completely to the surface equipment. The brackets with a bolt hole must be attached using screws with the diameter indicated by the manufacturer.

### MAINTENANCE

Although a large range of DC products are maintenance free, we recommend to consider a scheduled maintenance that includes the below inspections at the intervals that vary according to operating conditions and products.

#### Trolley structure check and maintenance

- Check damage to the trolley frame that may have reduced product connection efficiency.
- Check that the plates and contact surfaces are correctly tightened on the trolley structure.

#### Wheels and brackets checks and maintenance

- Check that the product is not damaged, fully operational and that there is no excessive clearance, wear, deformation or tearing.
- Check that any brakes, if present, are working efficiently.
- Check that the environmental conditions have not modified or effected the product (oxidation, corrosion, foreign bodies etc.), reducing its operating efficiency.
- Check that the wheel axle set is correctly tightened.
- Where necessary, lubricate the moving parts with a lubricant suitable for the specific applications.

#### Frequency of checks and maintenance

The maximum time interval between two successive checks is as follows:

- Damage to the trolley's frame : 12 months.
- Tightening of connection parts and plates : 6 months.
- Product condition: 6 months.
- Brake efficiency : 3 months.
- Product alteration : 6 months.
- Wheel axle set tightness : 6 months.
- Lubrication : 6 months.

# User guide

## Guide to the correct use of the DC products / Recycling procedures

### PROCEDURES FOR DISPOSING AND RECYCLING PRODUCTS

DC wheels and brackets are recyclable, to dispose of and/or recycle the products after use, first separate the complete castor (wheel+bracket) from the equipment on which they are fitted, then split the wheel+bracket assemblies into the following component parts:

- bracket
- axle set (screw, tube, nut)
- wheel

In particular, the dismantling of the wheel from the bracket is mandatory if these are prevalently made from plastic materials.

Below are details of disposal and recycling of the main materials with which the DC wheels and brackets are made.

In any case, we suggest to compare and supplementing these details with the procedures and rules established by the company in charge of waste disposal in the area or country where the products are used.

#### Brackets and axle components:

- Steel and stainless steel can be recycled as ferrous scrap.

#### Wheels:

We suggest that product recycling procedures include preliminary treatments that involve sorting the different materials in the wheels so as to ensure the correct disposal and/or recycling of each type.

- Plastic, thermoplastic rubber and vulcanised rubber parts can be recycled once they have been separated from the ferrous and non-ferrous metals.
- Ditherm® can be disposed of in waste dumps.
- The polyurethane parts can be disposed of in waste dumps, when separated from ferrous and non-ferrous metals.
- Steel and cast iron can be recycled as ferrous scrap.
- Aluminium alloy can be recycled as non-ferrous metal.

Wooden pallets can be reused or recycled, any cardboard packaging can be returned to the paper production cycle.



Download the Technical Handbook

# Bearings and axle sets

Find out the best bearing configuration for every need



## Steel or Stainless steel bushes.

They are used into plain bearing wheels, and as axle for standard and high-temperature ball bearings, roller bearings and sintered bronze bushes.



## Stainless Steel bushes coated with High Quality Selflube material.

Specially studied and developed to fit Ditherm and high temp wheels; partially avoids the risk of squeaking and whistles which are typical of the standard plain bearing type. These bushes will also improve drastically the rolling capacity of the wheel.



## Special High Quality Selflube Bushes.

Specially studied and developed to fit Ditherm and high temp wheels; if used with original Stainless Steel bushes, they will avoid the risk of squeaking and whistles which are typical of the standard plain bearing type. These bushes will also improve drastically the rolling capacity of the wheel.



## Bronze sintered bushes.

They are fitted into wheels which require a good resistance under heavy loads (even in high temperatures) and requiring a plain bearing hub.



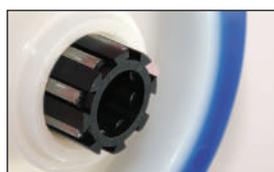
## Special Ball Bearings for high temperatures.

They reduce the rolling resistance of the wheel and are specially recommended in those applications where a high load is applied on the equipment. The bearings are free from maintenance and assure the best rolling capacity to the wheels.



## Steel or Stainless steel bushes.

They are used into plain bearing wheels, and as axle for standard and high-temperature ball bearings, roller bearings and sintered bronze bushes.



## Steel roller bearings.

Suggested for a frequent wheel use, this do not require further lubrication and is ideal for applications featuring high radial and axial loads. Roller bearings are shielded into the wheel hub to retain bearing and to avoid introduction of dust and dirt.



## Stainless Steel roller bearings.

Suggested for a frequent wheel use, this do not require further lubrication and is ideal for applications featuring high radial and axial loads. Stainless Steel Roller bearings are shielded into the wheel hub to retain bearing and to avoid introduction of dust and dirt. They are corrosion free and not rusting.



## Shielded Ball Bearings for standard temperatures.

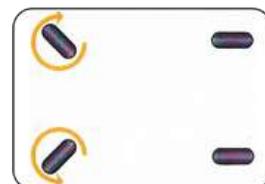
They reduce the rolling resistance of the wheel and are specially recommended in those applications where a high load is applied on the equipment. The bearings are free from maintenance and assure the best rolling capacity to the wheels.

# Combination of castors

How to choose the best castor composition under the equipment

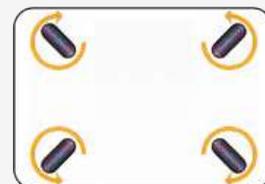
## Cart with 2 swivel castor and 2 fixed

This solution provides a good load capacity and manoeuvrability. An accurate steering is guaranteed. We suggest that the cart be pushed on the side of the 2 swivel castors. The maximum load on each wheel is given by the following formula :  $\text{total weight} / 3$



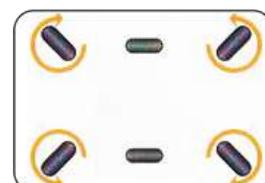
## Cart with 4 swivel castors

This solution provides a good load capacity combined with optimal manoeuvrability. It is not recommended for applications where use on straight runs or ramps are required. The maximum load on each wheel is given by the following formula :  $\text{total weight} / 3$



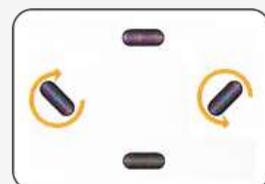
## Cart with 4 swivel castors and 2 fixed, centrally pivoting

This solution provides a high load capacity and excellent manoeuvrability. The two central fixed castors require 25 mm packing to allow alternate support by the swivel castors. The maximum load on each wheel is given by the following formula :  $\text{total weight} / 2$



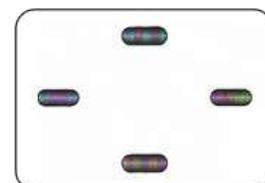
## Cart with 2 swivel castors and 2 fixed, centrally pivoting

This solution provides a high load capacity and excellent manoeuvrability. The two central fixed castors require 25 mm packing to allow alternate support by the swivel castors. The maximum load on each wheel is given by the following formula :  $\text{total weight} / 2$



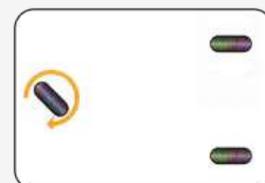
## Cart with 4 fixed castors

This is an economical solution and provides a good load capacity and sufficient manoeuvrability. The two central castors require 25 mm packing to allow alternate support. Not recommended for ramps. The maximum load on each wheel is given by the following formula :  $\text{total weight} / 2$



## Cart with 1 swivel castor and 2 fixed

This solution provides a low load capacity and good manoeuvrability. Carts in this configuration may be unstable when loaded. Load should be evenly distributed. The maximum load on each wheel is given by the following formula :  $\text{total weight} / 2,5$



## Cart with 3 swivel castors

This solution provides a good load capacity combined with optimum manoeuvrability. Carts in this configuration are difficult to steer, specially on uneven floors and may not guarantee stability when loaded. The maximum load on each wheel is given by the following formula :  $\text{total weight} / 2,5$





# The road to excellence Made in Italy



# DITHERM LTW Series



Temperature range -40°C +150°C, wheel hardness 80 Shore D

Wheels for high and low temperatures, manufactured in high grade Polyamide filled with glass fibers and natural fibers.



## Description

The LTW series wheels are manufactured in high grade Polyamide and filled with glass fibers plus additional natural fibers, and molded through a new vacuum and material drying process to assure high resistance in temperatures between -40°C and +150°C. They are available with plain bore and with HQS self lubricating bushes, to allow a good rolling capacity in any condition of use. The LTW wheels can be fitted into a specific series of brackets for high/low temperatures, which are specifically studied and produced to fulfill the extremely wide variability of conditions to which they are submitted in the world of uses in temperatures, bakery and food industry.

Brackets are fully certified and manufactured with food and sanitary grade Stainless Steel in AISI 304, are available in both metric and inches standard sizes, and are also produced in double-layer galvanized pressed steel.

They are RoHS - REACH compliant, and the permanent lubrication has been approved by FDA-USDA for contact with foods.

A computerized control of the swivel head ball race and assembling tolerances assures a perfect plate rotation without locking point. Brake system is perfect for low and high temperatures and for inside-outside use and is maintenance free.

## Uses

The DITHERM LTW wheels are manufactured to resist to a range of temperatures between -40°C and +150°C. They feature a great resistance to water, humidity and steam, to most solvents, oils, acids and chemicals, featuring good fire-smoke-toxicity properties and are fully certified for use in food industry, as well as for any application requiring temperature of exercise up to +150°C.

These wheels can work into freezers and chillers in temperature until -40°C and guarantee a high resistance against thermal shock caused by quick increasing or reduction of temperature, in fact this material is permitting to withstand jumps of 190°C in less than 60 seconds, either from cold to hot or reverse.

Ditherm LTW wheels do not mark the floor, can be used in industrial applications and are recommended for use in wet and humid conditions, smoke tunnels, food and canning industry, meat and fish cooking, tannery equipment, salty water and steam.

They guarantee a good resistance against heavy impacts and in presence of uneven floors.

## More infos

Ditherm LTW wheels are manufactured through an innovative control of the round and in-axle rotation, to guarantee a perfect rolling in every condition and a 20% higher load capacity, plus an improved surface control which allows this wheel to be a step ahead in its field of application.

# DITHERM LTW Series

Temperature range -40°C +150°C, wheel hardness 80 Shore D



Wheel Ø	<b>Ø 80</b>	<b>Ø 80</b>	<b>Ø 80</b>			
Tread width	35	35	35			
Bore Ø	12	8	10			
Hub length	40	40	45			
Load capacity	250	250	300			
	<b>Codes</b>					
Plain bore	LTW8040	-	-			
BT selflube bushes	-	-	LTW8040BT			
BR Coated bush	-	LTW8040BR	-			
	<b>Axle accessories</b>					
Axle bush	BSX12841	-	BSX10847			
BT selflube bushes	-	-	BT1210			
BR coated axle bush	-	BR12841	-			
Axle bolt + nut	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860			

Wheel Ø	<b>Ø 100</b>	<b>Ø 100</b>	<b>Ø 100</b>			
Tread width	35	35	35			
Bore Ø	12	8	10			
Hub length	40	40	45			
Load capacity	300	300	300			
	<b>Codes</b>					
Plain bore	LTW10040	-	-			
BT selflube bushes	-	-	LTW10040BT			
BR Coated bush	-	LTW10040BR	-			
	<b>Axle accessories</b>					
Axle bush	BSX12841	-	BSX10847			
BT selflube bushes	-	-	BT1210			
BR coated axle bush	-	BR12841	-			
Axle bolt + nut	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860			

Wheel Ø	<b>Ø 125</b>	<b>Ø 150</b>	<b>Ø 150</b>	<b>Ø 200</b>
Tread width	40	40	40	50
Bore Ø	15	15	20	20
Hub length	45	45	58	58
Load capacity	400	600	750	900
	<b>Codes</b>			
Plain bore	LTW12545	LTW15045	LTW15060	LTW20060
BT selflube bushes	-	-	-	-
BR coated axle bush	-	-	-	-
	<b>Axle accessories</b>			
Axle bush	BSX151047	BSX151047	BSX201260	BSX201260
BT selflube bushes	-	-	-	-
BR coated axle bush	-	-	-	-
Axle bolt + nut	VTX1060 / VTZ1060	VTX1060 / VTZ1060	VTX1280 / VTZ1280	VTX1280 / VTZ1280



# DITHERM LTW Series

Temperature range -40°C +150°C, wheel hardness 80 Shore D

Assembled into Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Medium duty top plate swivel castors

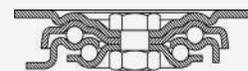


	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	LGZ8040	-	LGZ10040	-	LGZ12545	LGZ15045	LGZ15060	LGZ20060
Brake version	LGZ8040FA	-	LGZ10040FA	-	LGZ12545FA	LGZ15045FA	LGZ15060FA	LGZ20060FA
BR coated bush	LGZ8040BR	-	LGZ10040BR	-	LGZ12545BR	LGZ15045BR	-	-
Brake version	LGZ8040BRFA	-	LGZ10040BRFA	-	LGZ12545BRFA	LGZ15045BRFA	-	-
Selflube bushes	-	LGZ8040BT	-	LGZ10040BT	-	-	-	-
Brake version	-	LGZ8040BTFA	-	LGZ10040BTFA	-	-	-	-



DOUBLE LAYER GALVANIZED STEEL

Heavy duty top plate swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	230	230	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	LGZ8040P	-	LGZ10040P	-	LGZ12545P	LGZ15045P	LGZ15060P	LGZ20060P
Brake version	LGZ8040PFA	-	LGZ10040PFA	-	LGZ12545PFA	LGZ15045PFA	LGZ15060PFA	LGZ20060PFA
BR coated bush	LGZ8040PBR	-	LGZ10040PBR	-	LGZ12545PBR	LGZ15045PBR	-	-
Brake version	LGZ8040PBRFA	-	LGZ10040PBRFA	-	LGZ12545PBRFA	LGZ15045PBRFA	-	-
Selflube bushes	-	LGZ8040PBT	-	LGZ10040PBT	-	-	-	-
Brake version	-	LGZ8040PBTFA	-	LGZ10040PBTFA	-	-	-	-

# DITHERM LTW Series

Temperature range -40°C +150°C, wheel hardness 80 Shore D

Assembled into bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	LPZ8040	-	LPZ10040	-	LPZ12545	LPZ15045	LPZ15060	LPZ20060
Brake version	LPZ8040FA	-	LPZ10040FA	-	LPZ12545FA	LPZ15045FA	LPZ15060FA	LPZ20060FA
BR coated bush	LPZ8040BR	-	LPZ10040BR	-	LPZ12545BR	LPZ15045BR	-	-
Brake version	LPZ8040BRFA	-	LPZ10040BRFA	-	LPZ12545BRFA	LPZ15045BRFA	-	-
Selflube bushes	-	LPZ8040BT	-	LPZ10040BT	-	-	-	-
Brake version	-	LPZ8040BTFA	-	LPZ10040BTFA	-	-	-	-



DOUBLE LAYER GALVANIZED STEEL

Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Load capacity	230	230	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	LFZ8040	-	LFZ10040	-	LFZ12545	LFZ15045	LFZ15060	LFZ20060
BR coated bush	LFZ8040BR	-	LFZ10040BR	-	LFZ12545BR	LFZ15045BR	-	-
Selflube bushes	-	LFZ8040BT	-	LFZ10040BT	-	-	-	-

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM LTW Series

Temperature range -40°C +150°C, wheel hardness 80 Shore D

Assembled into Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Medium duty top plate swivel castors

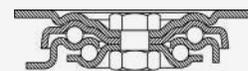


	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	LGX8040	-	LGX10040	-	LGX12545	LGX15045	LGX15060	LGX20060
Brake version	LGX8040FA	-	LGX10040FA	-	LGX12545FA	LGX15045FA	LGX15060FA	LGX20060FA
BR coated bush	LGX8040BR	-	LGX10040BR	-	LGX12545BR	LGX15045BR	-	-
Brake version	LGX8040BRFA	-	LGX10040BRFA	-	LGX12545BRFA	LGX15045BRFA	-	-
Selflube bushes	-	LGX8040BT	-	LGX10040BT	-	-	-	-
Brake version	-	LGX8040BTFA	-	LGX10040BTFA	-	-	-	-



AISI 304 STAINLESS STEEL

Heavy duty top plate swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	230	230	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	LGX8040P	-	LGX10040P	-	LGX12545P	LGX15045P	LGX15060P	LGX20060P
Brake version	LGX8040PFA	-	LGX10040PFA	-	LGX12545PFA	LGX15045PFA	LGX15060PFA	LGX20060PFA
BR coated bush	LGX8040PBR	-	LGX10040PBR	-	LGX12545PBR	LGX15045PBR	-	-
Brake version	LGX8040PBRFA	-	LGX10040PBRFA	-	LGX12545PBRFA	LGX15045PBRFA	-	-
Selflube bushes	-	LGX8040PBT	-	LGX10040PBT	-	-	-	-
Brake version	-	LGX8040PBTFA	-	LGX10040PBTFA	-	-	-	-

# DITHERM LTW Series

Temperature range -40°C +150°C, wheel hardness 80 Shore D

Assembled into bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

**Bolt hole** swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	200	200	220	220	230	250	350	500
<b>Codes</b>								
Plain bore	LPX8040	-	LPX10040	-	LPX12545	LPX15045	LPX15060	LPX20060
Brake version	LPX8040FA	-	LPX10040FA	-	LPX12545FA	LPX15045FA	LPX15060FA	LPX20060FA
BR coated bush	LPX8040BR	-	LPX10040BR	-	LPX12545BR	LPX15045BR	-	-
Brake version	LPX8040BRFA	-	LPX10040BRFA	-	LPX12545BRFA	LPX15045BRFA	-	-
Selflube bushes	-	LPX8040BT	-	LPX10040BT	-	-	-	-
Brake version	-	LPX8040BTFA	-	LPX10040BTFA	-	-	-	-



AISI 304 STAINLESS STEEL

**Fixed** castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Load capacity	230	230	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	LFX8040	-	LFX10040	-	LFX12545	LFX15045	LFX15060	LFX20060
BR coated bush	LFX8040BR	-	LFX10040BR	-	LFX12545BR	LFX15045BR	-	-
Selflube bushes	-	LFX8040BT	-	LFX10040BT	-	-	-	-

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM MTW Series

Temperature range -40°C +300°C, wheel hardness 90 Shore D

Wheels for high and low temperatures, manufactured in exclusive Ditherm® compound in combination with special fibers.



## Description

The MTW series has replaced the old “phenolic” wheels, and is manufactured in special Ditherm® compound, combined with special fibers and molded under an innovative DC developed high pressure + extreme temperature process which results in the highest quality wheel in its range of application.

They are available with several types of hubs and bearings, in order to allow the perfect response and the best need / price ratio for any type of high or low temperature requirement.

The MTW wheels can be fitted into a specific series of brackets for high/low temperatures, which are specifically studied and produced to fulfill the extremely wide variability of conditions to which they are submitted in the world of uses in temperatures and bakery / food industry.

Brackets are fully certified and manufactured with food and sanitary grade Stainless Steel in AISI 304, and are available in both metric and inches standard sizes, and are also available in double-layer galvanized pressed steel.

They are RoHS - REACH compliant, and the permanent lubrication has been approved by FDA-USDA for contact with foods.

A computerized control of the swivel head ball race and assembling tolerances assures a perfect plate rotation without locking point. Brake system is perfect for low and high temperatures and for inside-outside use and is maintenance free.

## Uses

The DITHERM MTW wheels are manufactured to resist to a range of temperatures between -40°C and +300°C.

They features a good resistance to water, most solvents, oils, acids and chemicals, excellent fire-smoke-toxicity properties and are fully certified for use in bakery and food industry, as well as for any oven application requiring temperature of exercise up to +300°C of peak.

These wheels assure also a great work into freezers and in temperature until -40°C and guarantee a high resistance against thermal shock caused by quick increasing or reduction of temperature, in fact the new Ditherm® material allow these wheels to resist to sudden variation of temperatures, permitting to withstand jumps of 340°C in less than 60 seconds, either from cold to hot or reverse.

Ditherm MTW wheels do not mark the floor when the free rolling is secured, but can leave traces of grated material if used on abrasive floors ; also, some chipping or cracking of the wheel surface can happen in case of use on very uneven floors or in presence of heavy impacts against sharp obstacles, and in this eventuality we suggest you to contact our offices which will be able to provide the perfect wheel for your needs.

## Important !

In compliance with the new rules effective May 2011, the “phenolic” word has been dismissed and will not be related to any of our high temperature wheels.

The “phenolic” word is commonly used to identify those wheels that are similar to our series Ditherm MTW, and since the phenolic material has been banned for manufacturing this type of wheel, the “phenolic” word has been replaced by “Ditherm” in every literature issued by DC Di Candia Ruote.

# DITHERM MTW Series

Temperature range -40°C +300°C, wheel hardness 90 Shore D



	Standard design			Standard design			Heavy design	
Wheel Ø	Ø 80	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 100
Tread width	35	35	35	35	35	35	35	35
Bore Ø	12	8	12	12	8	12	12	12
Ball bearings seats Ø	32 x 10	-	-	-	-	-	32 x 10	-
Hub length	40	40	45	40	40	45	40	40
Load capacity	170	170	170	190	190	190	210	210

**Codes**

Plain bore	MTW80	-	-	MTW100L	-	-	MTW100	-
BT selflube bushes	-	-	MTW80BT	-	-	MTW100LBT	-	MTW100BR
BR Coated bush	-	MTW80BR	-	-	MTW100LBR	-	-	-
HT Ball bearings	MTW80C	-	-	-	-	-	MTW100C	-
Ball bearing seats	MTW80S	-	-	-	-	-	MTW100S	-
Sintered bronze bushes	MTW80BS	-	-	MTW100LBS	-	-	-	-

**Axle accessories**

Axle bush	BSX12841	-	BSX10847	BSX12841	-	BSX10847	BSX12841	-
Axle bush x ball bearings	BSX12841BB	-	-	-	-	-	BSX12841BB	-
BT selflube bushes	-	-	BT1210	-	-	BT1210	-	-
BR coated axle bush	-	BR12841	-	-	BR12841	-	-	BR12841
HT Ball bearings	HTBB12	-	-	-	-	-	HTBB12	-
Axle bolt + nut	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860	VTX855 / VTZ855	VTX855 / VTZ855

	Heavy design			Heavy design		Heavy design		Heavy design	
Wheel Ø	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 125	Ø 125	Ø 125	Ø 125
Tread width	35	35	35	35	40	40	40	40	40
Bore Ø	10	10	12	15	15	10	15	20	20
Hub length	45	41	48	41	45	45	48	48	48
Load capacity	210	210	210	210	250	250	250	250	250

**Codes**

Plain bore	-	-	-	MTW10041	MTW12545	-	MTW12548	MTW125
BT selflube bushes	MTW100BT	MTW100BT41	MTW100BT48	-	-	MTW12545BT	-	-
BR Coated bush	-	-	-	-	-	MTW12545BR	-	-
Sintered bronze bushes	-	-	-	-	-	-	-	MTW12545BS

**Axle accessories**

Axle bush	BSX10847	BSX10842	-	-	BSX151047	BSX10847	-	-
BT selflube bushes	BT1210	BT1210	BT1512	-	-	BT1510	-	-
BR coated axle bush	-	-	-	-	-	BR151047	-	-
Axle bolt + nut	VTX860 / VTZ860	VTX855 / VTZ855	-	VTX855 / VTZ855	VTX1060 / VTZ1060	VTX1060 / VTZ1060	-	-

	Ø 150	Ø 160	Ø 200
Wheel Ø	Ø 150	Ø 160	Ø 200
Tread width	45	50	50
Bore Ø	20	20	20
Hub length	58	58	58
Load capacity	300	340	520

**Codes**

Plain bore	MTW150	MTW160	MTW200
BT selflube bushes	-	-	-
BR Coated bush	-	-	-
Sintered bronze bushes	MTW150BS	MTW160BS	MTW200BS

**Axle accessories**

Axle bush	BSX201260	BSX201260	BSX201260
BT selflube bushes	-	-	-
BR coated axle bush	-	-	-
Axle bolt + nut	VTX1280 / VTZ1280	VTX1280 / VTZ1280	VTX1280 / VTZ1280



# DITHERM MTW Series

Temperature range -40°C +300°C, wheel hardness 90 Shore D

Assembled into Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Medium duty top plate swivel castors

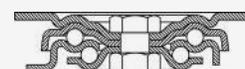


Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 150	Ø 200
Fork width	41	47	41	47	41	47	47	60	60
Overall height	108	108	128	128	128	128	155	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 X 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 X 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	9	11	11
Offset	40	40	42	42	42	42	44	52	56
Swivel radius	84	84	92	92	92	92	107	127	156
Load capacity	170	170	190	190	210	210	230	300	400
<b>Codes</b>									
Plain bore	MGZ80	-	MGZ100L	-	MGZ100	-	MGZ12545	MGZ150	MGZ200
Brake version	MGZ80FA	-	MGZ100LFA	-	MGZ100FA	-	MGZ12545FA	MGZ150FA	MGZ200FA
BR coated bush	MGZ80BR	-	MGZ100LBR	-	MGZ100BR	-	MGZ12545BR	-	-
Brake version	MGZ80BRFA	-	MGZ100LBRFA	-	MGZ100BRFA	-	MGZ12545BRFA	-	-
Selflube bushes	-	MGZ80BT	-	MGZ100LBT	-	MGZ100BT	MGZ12545BT	-	-
Brake version	-	MGZ80BTFA	-	MGZ100LBTFA	-	MGZ100BTFA	MGZ12545BTFA	-	-
Bronze bushes	MGZ80BS	-	MGZ100LBS	-	-	-	-	MGZ150BS	MGZ200BS
Brake version	MGZ80BSFA	-	MGZ100LBSFA	-	-	-	-	MGZ150BSFA	MGZ200BSFA
HT Ball bearing	MGZ80C	-	-	-	MGZ100C	-	-	-	-
Brake version	MGZ80CFA	-	-	-	MGZ100CFA	-	-	-	-



DOUBLE LAYER GALVANIZED STEEL

Heavy duty top plate swivel castors



Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 150	Ø 200
Fork width	41	47	41	47	41	47	47	60	60
Overall height	110	110	131	131	131	131	158	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 X 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 X 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	9	11	11
Offset	40	40	42	42	42	42	44	52	56
Swivel radius	84	84	92	92	92	92	107	127	156
Load capacity	170	170	190	190	210	210	250	300	500
<b>Codes</b>									
Plain bore	MGZ80P	-	MGZ100LP	-	MGZ100P	-	MGZ12545P	MGZ150P	MGZ200P
Brake version	MGZ80PFA	-	MGZ100LPFA	-	MGZ100PFA	-	MGZ12545PFA	MGZ150PFA	MGZ200PFA
BR coated bush	MGZ80PBR	-	MGZ100LPBR	-	MGZ100PBR	-	MGZ12545PBR	-	-
Brake version	MGZ80PBRFA	-	MGZ100LPBRFA	-	MGZ100PBRFA	-	MGZ12545PBRFA	-	-
Selflube bushes	-	MGZ80PBT	-	MGZ100LPBT	-	MGZ100PBT	MGZ12545PBT	-	-
Brake version	-	MGZ80PBTFA	-	MGZ100LPBTFA	-	MGZ100PBTFA	MGZ12545PBTFA	-	-
Bronze bushes	MGZ80PBS	-	MGZ100LPBS	-	-	-	-	MGZ150PBS	MGZ200PBS
Brake version	MGZ80PBSFA	-	MGZ100LPBSFA	-	-	-	-	MGZ150PBSFA	MGZ200PBSFA
HT Ball bearing	MGZ80PC	-	-	-	MGZ100PC	-	-	-	-
Brake version	MGZ80PCFA	-	-	-	MGZ100PCFA	-	-	-	-

# DITHERM MTW Series

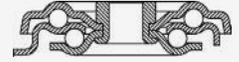
Temperature range -40°C +300°C, wheel hardness 90 Shore D

Assembled into bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 150	Ø 200
Wheel Ø	80	80	100	100	100	100	125	150	200
Fork width	41	47	41	47	41	47	47	60	60
Overall height	108	108	128	128	128	128	155	181	232
Round plate Ø	77	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	12	16	16
Offset	40	40	42	42	42	42	44	52	56
Swivel radius	84	84	92	92	92	92	107	127	156
Load capacity	170	170	190	210	210	190	230	300	400
<b>Codes</b>									
Plain bore	MPZ80	-	MPZ100L	-	MPZ100	-	MPZ12545	MPZ150	MPZ200
Brake version	MPZ80FA	-	MPZ100LFA	-	MPZ100FA	-	MPZ12545FA	MPZ150FA	MPZ200FA
BR coated bush	MPZ80BR	-	MPZ100LBR	-	MPZ100BR	-	MPZ12545BR	-	-
Brake version	MPZ80BRFA	-	MPZ100LBRFA	-	MPZ100BRFA	-	MPZ12545BRFA	-	-
Selflube bushes	-	MPZ80BT	-	MPZ100LBT	-	MPZ100BT	MPZ12545BT	-	-
Brake version	-	MPZ80BTFA	-	MPZ100LBTFA	-	MPZ100BTFA	MPZ12545BTFA	-	-
Bronze bushes	MPZ80BS	-	MPZ100LBS	-	-	-	-	MPZ150BS	MPZ200BS
Brake version	MPZ80BSFA	-	MPZ100LBSFA	-	-	-	-	MPZ150BSFA	MPZ200BSFA
HT Ball bearing	MPZ80C	-	-	-	MPZ100C	-	-	-	-
Brake version	MPZ80CFA	-	-	-	MPZ100CFA	-	-	-	-



DOUBLE LAYER GALVANIZED STEEL

Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 150	Ø 200
Wheel Ø	80	80	100	100	100	100	125	150	200
Fork width	41	47	41	47	41	47	47	60	60
Overall height	108	108	128	128	128	128	155	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 X 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 X 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	9	11	11
Load capacity	170	170	190	190	210	210	250	300	500
<b>Codes</b>									
Plain bore	MFZ80	-	MFZ100L	-	MFZ100	-	MFZ12545	MFZ150	MFZ200
BR coated bush	MFZ80BR	-	MFZ100LBR	-	MFZ100BR	-	MFZ12545BR	-	-
Selflube bushes	-	MFZ80BT	-	MFZ100LBT	-	MFZ100BT	MFZ12545BT	-	-
Bronze bushes	MFZ80BS	-	MFZ100LBS	-	-	-	-	MFZ150BS	MFZ200BS
HT Ball bearing	MFZ80C	-	-	-	MFZ100C	-	-	-	-

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM MTW Series

Temperature range -40°C +300°C, wheel hardness 90 Shore D

Assembled into Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Medium duty top plate swivel castors

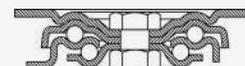


Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 150	Ø 200
Fork width	41	47	41	47	41	47	47	60	60
Overall height	110	110	131	131	131	131	158	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 X 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 X 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	9	11	11
Offset	40	40	42	42	42	42	44	52	56
Swivel radius	84	84	92	92	92	92	107	127	156
Load capacity	170	170	190	190	210	210	230	300	400
<b>Codes</b>									
Plain bore	MGX80	-	MGX100L	-	MGX100	-	MGX12545	MGX150	MGX200
Brake version	MGX80FA	-	MGX100LFA	-	MGX100FA	-	MGX12545FA	MGX150FA	MGX200FA
BR coated bush	MGX80BR	-	MGX100LBR	-	MGX100BR	-	MGX12545BR	-	-
Brake version	MGX80BRFA	-	MGX100LBRFA	-	MGX100BRFA	-	MGX12545BRFA	-	-
Selflube bushes	-	MGX80BT	-	MGX100LBT	-	MGX100BT	MGX12545BT	-	-
Brake version	-	MGX80BTFA	-	MGX100LBTFA	-	MGX100BTFA	MGX12545BTFA	-	-
Bronze bushes	MGX80BS	-	MGX100LBS	-	-	-	-	MGX150BS	MGX200BS
Brake version	MGX80BSFA	-	MGX100LBSFA	-	-	-	-	MGX150BSFA	MGX200BSFA
HT Ball bearing	MGX80C	-	-	-	MGX100C	-	-	-	-
Brake version	MGX80CFA	-	-	-	MGX100CFA	-	-	-	-



AISI 304 STAINLESS STEEL

Heavy duty top plate swivel castors



Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 150	Ø 200
Fork width	41	47	41	47	41	47	47	60	60
Overall height	110	110	131	131	131	131	158	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 X 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 X 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	9	11	11
Offset	40	40	42	42	42	42	44	52	56
Swivel radius	84	84	92	92	92	92	107	127	156
Load capacity	170	170	190	190	210	210	250	300	500
<b>Codes</b>									
Plain bore	MGX80P	-	MGX100LP	-	MGX100P	-	MGX12545P	MGX150P	MGX200P
Brake version	MGX80PFA	-	MGX100LPFA	-	MGX100PFA	-	MGX12545PFA	MGX150PFA	MGX200PFA
BR coated bush	MGX80PBR	-	MGX100LPBR	-	MGX100PBR	-	MGX12545PBR	-	-
Brake version	MGX80PBRFA	-	MGX100LPBRFA	-	MGX100PBRFA	-	MGX12545PBRFA	-	-
Selflube bushes	-	MGX80PBT	-	MGX100LPBT	-	MGX100PBT	MGX12545PBT	-	-
Brake version	-	MGX80PBTFA	-	MGX100LPBTFA	-	MGX100PBTFA	MGX12545PBTFA	-	-
Bronze bushes	MGX80PBS	-	MGX100LPBS	-	-	-	-	MGX150PBS	MGX200PBS
Brake version	MGX80PBSFA	-	MGX100LPBSFA	-	-	-	-	MGX150PBSFA	MGX200PBSFA
HT Ball bearing	MGX80PC	-	-	-	MGX100PC	-	-	-	-
Brake version	MGX80PCFA	-	-	-	MGX100PCFA	-	-	-	-

# DITHERM MTW Series

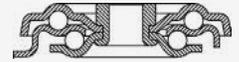
Temperature range -40°C +300°C, wheel hardness 90 Shore D

Assembled into bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 150	Ø 200
Wheel Ø	80	80	100	100	100	100	125	150	200
Fork width	41	47	41	47	41	47	47	60	60
Overall height	108	108	128	128	128	128	155	181	232
Round plate Ø	77	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	12	16	16
Offset	40	40	42	42	42	42	44	52	56
Swivel radius	84	84	92	92	92	92	107	127	156
Load capacity	170	170	190	190	210	210	230	300	400

**Codes**

Plain bore	MPX80	-	MPX100L	-	MPX100	-	MPX12545	MPX150	MPX200
Brake version	MPX80FA	-	MPX100LFA	-	MPX100FA	-	MPX12545FA	MPX150FA	MPX200FA
BR coated bush	MPX80BR	-	MPX100LBR	-	MPX100BR	-	MPX12545BR	-	-
Brake version	MPX80BRFA	-	MPX100LBRFA	-	MPX100BRFA	-	MPX12545BRFA	-	-
Selflube bushes	-	MPX80BT	-	MPX100LBT	-	MPX100BT	MPX12545BT	-	-
Brake version	-	MPX80BTFA	-	MPX100LBTFA	-	MPX100BTFA	MPX12545BTFA	-	-
Bronze bushes	MPX80BS	-	MPX100LBS	-	-	-	-	MPX150BS	MPX200BS
Brake version	MPX80BSFA	-	MPX100LBSFA	-	-	-	-	MPX150BSFA	MPX200BSFA
HT Ball bearing	MPX80C	-	-	-	MPX100C	-	-	-	-
Brake version	MPX80CFA	-	-	-	MPX100CFA	-	-	-	-



AISI 304 STAINLESS STEEL

Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 100	Ø 125	Ø 150	Ø 200
Wheel Ø	80	80	100	100	100	100	125	150	200
Fork width	41	47	41	47	41	47	47	60	60
Overall height	108	108	128	128	128	128	155	181	232
Top plate size	100 x 85	135 x 110	135 x 110						
Holes spacing	80 x 60	105 x 80	105 x 80						
Fixing holes Ø	9	9	9	9	9	9	9	11	11
Load capacity	170	170	190	190	210	210	250	300	500

**Codes**

Plain bore	MFX80	-	MFX100L	-	MFX100	-	MFX12545	MFX150	MFX200
BR coated bush	MFX80BR	-	MFX100LBR	-	MFX100BR	-	MFX12545BR	-	-
Selflube bushes	-	MFX80BT	-	MFX100LBT	-	MFX100BT	MFX12545BT	-	-
Bronze bushes	MFX80BS	-	MFX100LBS	-	-	-	-	MFX150BS	MFX200BS
HT Ball bearing	MFX80C	-	-	-	MFX100C	-	-	-	-

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM STW Series



Temperature range -70°C +280°C, wheel hardness 80 Shore D

Wheels for high and low temperatures, manufactured in exclusive THT composite material.



## Description

The STW series wheels are manufactured with an exclusive DC Di Candia Ruote's composite material, the THT, which has been studied and developed in our plant in Besnate, and is used exclusively for the production of this wheel range.

These wheels grant a superior and unmatched mechanical resistance to heavy impacts, an outstanding resistance against chipping and breaking caused by hitting of sharp obstacle and a great rolling capacity even in plain bore configuration, thanks to the self-lubricating properties of the THT material.

They also assure an incredible resistance against aggressive cleaners, chemicals, oils, acids, steam and salty water, and are available with plain bore and with double special HT ball bearings, to allow a perfect rolling capacity in any condition of use.

The THT material is certified by FDA for contact with foods.

The STW wheels can be fitted into a specific series of brackets for high/low temperatures, which are specifically studied and produced to fulfill the extremely wide variability of conditions to which they are submitted in the world of uses in temperatures, bakery and food industry.

Brackets are fully certified and manufactured with food and sanitary grade Stainless Steel in AISI 304, and are available in both metric and inches standard sizes, and are also available in double-layer galvanized pressed steel.

They are RoHS - REACH compliant, and the permanent lubrication has been approved by FDA-USDA for contact with foods.

A computerized control of the swivel head ball race and assembling tolerances assures a perfect plate rotation without locking point. Brake system is perfect for low and high temperatures and for inside-outside use and is maintenance free.

## Uses

The DITHERM STW wheels are manufactured to resist to a range of temperatures between -70°C and +280°C.

They feature an incredible resistance to water, humidity and steam, to solvents, oils, acids and chemicals, featuring a great fire-smoke-toxicity properties and are fully certified for use in food industry, as well as for any oven application requiring temperature of exercise up to +280°C.

These wheels can work into freezers, chillers and blast freezing in temperature until -70°C and guarantee a high resistance against thermal shock caused by quick increasing or reduction of temperature, in fact this material is permitting to withstand jumps of 350°C in less than 60 seconds, either from cold to hot or reverse.

Ditherm STW wheels do not mark the floor, can be used in industrial applications and are recommended for use in bakeries, wet and humid conditions, oven trolleys, smoke tunnels, food industry, autoclave cooking, salty water and steam.

They guarantee a great resistance against heavy and sharp impacts, on uneven floors, asphalt and are perfect for problem-free use on turntable ovens.

## More infos

Ditherm STW wheels are manufactured through an innovative control of the round and in-axle rotation, to guarantee a perfect rolling in every condition.

# DITHERM STW Series

Temperature range -70°C +280°C, wheel hardness 80 Shore D



	Ø 80	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	
Wheel Ø	80	80	80	100	100	100	
Tread width	30	30	30	30	30	30	
Bore Ø	12	8	10	12	8	10	
Ball bearing seats Ø	32 x 10	-	-	32 x 10	-	-	
Hub length	40	40	45	40	40	45	
Load capacity	300	300	300	350	350	350	
<b>Codes</b>							
Plain bore	STW80	-	-	STW100	-	-	
BT selflube bushes	-	-	STW80BT	-	-	STW100BT	
BR Coated bush	-	STW80BR	-	-	STW100BR	-	
HT Ball bearings	STW80C	-	-	STW100C	-	-	
Ball bearing seat	STW80S	-	-	STW100S	-	-	
<b>Axle accessories</b>							
Axle bush	BSX12841	-	BSX10847	BSX12841	-	BSX10847	
Axle bush x ball bearings	BSX12841BB	-	-	BSX12841BB	-	-	
BT selflube bushes	-	-	BT1210	-	-	BT1210	
BR coated axle bush	-	BR12841	-	-	BR12841	-	
HT Ball bearings	HTBB12	-	-	HTBB12	-	-	
Axle bolt + nut	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860	

	White color	White color	White color				
Wheel Ø	Ø 100	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Tread width	30	30	30	40	40	40	50
Bore Ø	12	8	10	15	15	20	20
Hub length	40	40	45	45	45	58	58
Load capacity	350	350	350	450	650	800	900
<b>Codes</b>							
Plain bore	STW100W	-	-	STW12545	STW15045	STW15060	STW20060
BT selflube bushes	-	-	STW100WBT	-	-	-	-
BR Coated bush	-	STW100WBR	-	-	-	-	-
<b>Axle accessories</b>							
Axle bush	BSX12841	-	BSX10847	BSX151047	BSX151047	BSX201260	BSX201260
BT selflube bushes	-	-	BT1210	-	-	-	-
BR coated axle bush	-	BR12841	-	-	-	-	-
Axle bolt + nut	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860	VTX1060 / VTZ1060	VTX1060 / VTZ1060	VTX1280 / VTZ1280	VTX1280 / VTZ1280



# DITHERM STW Series

Temperature range -70°C +280°C, wheel hardness 80 Shore D

Assembled into Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Medium duty top plate swivel castors

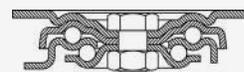


	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	SGZ80	-	SGZ100	-	SGZ12545	SGZ15045	SGZ15060	SGZ20060
Brake version	SGZ80FA	-	SGZ100FA	-	SGZ12545FA	SGZ15045FA	SGZ15060FA	SGZ20060FA
BR coated bush	SGZ80BR	-	SGZ100BR	-	SGZ12545BR	SGZ15045BR	-	-
Brake version	SGZ80BRFA	-	SGZ100BRFA	-	SGZ12545BRFA	SGZ15045BRFA	-	-
Selflube bushes	-	SGZ80BT	-	SGZ100BT	-	-	-	-
Brake version	-	SGZ80BTFA	-	SGZ100BTFA	-	-	-	-
HT Ball bearing	-	-	SGZ100C	-	-	-	-	-
Brake version	-	-	SGZ100CFA	-	-	-	-	-



DOUBLE LAYER GALVANIZED STEEL

Heavy duty top plate swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	230	230	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	SGZ80P	-	SGZ100P	-	SGZ12545P	SGZ15045P	SGZ15060P	SGZ20060P
Brake version	SGZ80PFA	-	SGZ100PFA	-	SGZ12545PFA	SGZ15045PFA	SGZ15060PFA	SGZ20060PFA
BR coated bush	SGZ80PBR	-	SGZ100PBR	-	SGZ12545PBR	SGZ15045PBR	-	-
Brake version	SGZ80PBRFA	-	SGZ100PBRFA	-	SGZ12545PBRFA	SGZ15045PBRFA	-	-
Selflube bushes	-	SGZ80PBT	-	SGZ100PBT	-	-	-	-
Brake version	-	SGZ80PBTFA	-	SGZ100PBTFA	-	-	-	-
HT Ball bearing	-	-	SGZ100PC	-	-	-	-	-
Brake version	-	-	SGZ100PCFA	-	-	-	-	-

# DITHERM STW Series

Temperature range -70°C +280°C, wheel hardness 80 Shore D

Assembled into bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	SPZ80	-	SPZ100	-	SPZ12545	SPZ15045	SPZ15060	SPZ20060
Brake version	SPZ80FA	-	SPZ100FA	-	SPZ12545FA	SPZ15045FA	SPZ15060FA	SPZ20060FA
BR coated bush	SPZ80BR	-	SPZ100BR	-	SPZ12545BR	SPZ15045BR	-	-
Brake version	SPZ80BRFA	-	SPZ100BRFA	-	SPZ12545BRFA	SPZ15045BRFA	-	-
Selflube bushes	-	SPZ80BT	-	SPZ100BT	-	-	-	-
Brake version	-	SPZ80BTFA	-	SPZ100BTFA	-	-	-	-
HT Ball bearing	-	-	SPZ100C	-	-	-	-	-
Brake version	-	-	SPZ100CFA	-	-	-	-	-



DOUBLE LAYER GALVANIZED STEEL

Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	135 x 110	135 x 110				
Holes spacing	80 x 60	80 x 60	105 x 80	105 x 80				
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	-	-	-	-	-	-	-	-
Swivel radius	-	-	-	-	-	-	-	-
Load capacity	230	230	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	SFZ80	-	SFZ100	-	SFZ12545	SFZ15045	SFZ15060	SFZ20060
BR coated bush	SFZ80BR	-	SFZ100BR	-	SFZ12545BR	SFZ15045BR	-	-
Selflube bushes	-	SFZ80BT	-	SFZ100BT	-	-	-	-
HT Ball bearing	-	-	SFZ100C	-	-	-	-	-

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM STW Series



Temperature range -70°C +280°C, wheel hardness 80 Shore D

Assembled into Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Medium duty top plate swivel castors

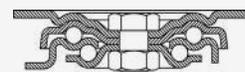


	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	SGX80	-	SGX100	-	SGX12545	SGX15045	SGX15060	SGX20060
Brake version	SGX80FA	-	SGX100FA	-	SGX12545FA	SGX15045FA	SGX15060FA	SGX20060FA
BR coated bush	SGX80BR	-	SGX100BR	-	SGX12545BR	SGX15045BR	-	-
Brake version	SGX80BRFA	-	SGX100BRFA	-	SGX12545BRFA	SGX15045BRFA	-	-
Selflube bushes	-	SGX80BT	-	SGX100BT	-	-	-	-
Brake version	-	SGX80BTFA	-	SGX100BTFA	-	-	-	-
HT Ball bearing	-	-	SGX100C	-	-	-	-	-
Brake version	-	-	SGX100CFA	-	-	-	-	-



AISI 304 STAINLESS STEEL

Heavy duty top plate swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	230	230	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	SGX80P	-	SGX100P	-	SGX12545P	SGX15045P	SGX15060P	SGX20060P
Brake version	SGX80PFA	-	SGX100PFA	-	SGX12545PFA	SGX15045PFA	SGX15060PFA	SGX20060PFA
BR coated bush	SGX80PBR	-	SGX100PBR	-	SGX12545PBR	SGX15045PBR	-	-
Brake version	SGX80PBRFA	-	SGX100PBRFA	-	SGX12545PBRFA	SGX15045PBRFA	-	-
Selflube bushes	-	SGX80PBT	-	SGX100PBT	-	-	-	-
Brake version	-	SGX80PBTFA	-	SGX100PBTFA	-	-	-	-
HT Ball bearing	-	-	SGX100PC	-	-	-	-	-
Brake version	-	-	SGX100PCFA	-	-	-	-	-

# DITHERM STW Series

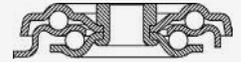
Temperature range -70°C +280°C, wheel hardness 80 Shore D

Assembled into bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

**Bolt hole** swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	127	127	156
Load capacity	200	200	220	220	230	250	310	340
<b>Codes</b>								
Plain bore	SPX80	-	SPX100	-	SPX12545	SPX15045	SPX15060	SPX20060
Brake version	SPX80FA	-	SPX100FA	-	SPX12545FA	SPX15045FA	SPX15060FA	SPX20060FA
BR coated bush	SPX80BR	-	SPX100BR	-	SPX12545BR	SPX15045BR	-	-
Brake version	SPX80BRFA	-	SPX100BRFA	-	SPX12545BRFA	SPX15045BRFA	-	-
Selflube bushes	-	SPX80BT	-	SPX100BT	-	-	-	-
Brake version	-	SPX80BTFA	-	SPX100BTFA	-	-	-	-
HT Ball bearing	-	-	SPX100C	-	-	-	-	-
Brake version	-	-	SPX100CFA	-	-	-	-	-



AISI 304 STAINLESS STEEL

**Fixed** castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	135 x 110	135 x 110				
Holes spacing	80 x 60	80 x 60	105 x 80	105 x 80				
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	-	-	-	-	-	-	-	-
Swivel radius	-	-	-	-	-	-	-	-
Load capacity	230	230	250	250	260	280	340	370
<b>Codes</b>								
Plain bore	SFX80	-	SFX100	-	SFX12545	SFX15045	SFX15060	SFX20060
BR coated bush	SFX80BR	-	SFX100BR	-	SFX12545BR	SFX15045BR	-	-
Selflube bushes	-	SFX80BT	-	SFX100BT	-	-	-	-
HT Ball bearing	-	-	SFX100C	-	-	-	-	-

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM RHT Series



Temperature range -40°C +260°C, wheel hardness 72 Shore A

Wheels for high and low temperatures, manufactured in exclusive Ditherm® compound and special High Temperature elastic rubber tyre.



## Description

The wheel core of the RHT series is manufactured in special Ditherm® compound, combined with special fibers and molded under an innovative DC developed high pressure + extreme temperature process, and its tyre is made in a special high quality elastic rubber for high temperatures.

The black rubber tyre is mechanically bonded to the wheel core, and the coupling is further strengthened by a surface adhesion which is obtained without the use of any glue or vulcanization such as for almost any competition product.

This particular bonding is resulting in the highest quality wheel in its range of application, featuring a drastic reduction in the risk of tyre de-bonding during the work in temperatures.

They are available with several types of hubs and bearings, in order to allow the perfect response and the best need / price ratio for any type of high or low temperature requirement.

The RHT wheels can be fitted into a specific series of brackets for high/low temperatures, which are specifically studied and produced to fulfill the extremely wide variability of conditions to which they are submitted in the world of uses in temperatures, bakery and food industry.

Brackets are fully certified and manufactured with food and sanitary grade Stainless Steel in AISI 304, and are available in both metric and inches standard sizes, and are also available in double-layer galvanized pressed steel.

They are RoHS - REACH compliant, and the permanent lubrication has been approved by FDA-USDA for contact with foods.

A computerized control of the swivel head ball race and assembling tolerances assures a perfect plate rotation without locking point. Brake system is perfect for low and high temperatures and for inside-outside use and is maintenance free.

## Uses

The DITHERM RHT wheels are manufactured to resist to a range of temperatures between -40°C and +260°C.

They features a high resistance to water, most solvents, oils, acids and chemicals, excellent fire-smoke-toxicity properties and are fully certified for use in bakery and food industry, and for oven application requiring temperature of exercise up to +260°C.

These wheels assure also a great work into freezers and in temperature until -40°C and guarantee a high resistance against thermal shock caused by quick increasing or reduction of temperature, allowing these wheels to resist to sudden variation of temperatures, permitting to withstand jumps of 300°C in less than 60 seconds, either from cold to hot or reverse.

Despite the black colour, Ditherm RHT wheels do not mark the floor when the free rolling is secured, but can leave traces of grated material on abrasive floors if dragged or locked.

The rubber tyre can be sensitive to impacts with sharp obstacles ( cuts ) or to use over floor drains or sharp thresholds.

They are absolutely smooth and noiseless on almost any surface, granting a silent work and an excellent shock absorbing property which makes this wheel perfect for any use requiring a noiseless rolling.

## Important !

The best performances and life time of the wheel are strictly depending on heating and cooling cycles to which the wheels are submitted ; the maximum performance is guaranteed by cycles of maximum 30 minutes in temperature, followed by the same cooling time at room temperature.

# DITHERM RHT Series

Temperature range -40°C +260°C, wheel hardness 72 Shore A



Wheel Ø	Ø 80	Ø 80	Ø 80				
Tread width	30	30	30				
Bore Ø	12	8	10				
Ball bearing seats Ø	32 x 10	-	-				
Hub length	40	40	45				
Load capacity	100	100	100				
<b>Codes</b>							
Plain bore	RHT80	-	-				
BT selflube bushes	-	-	RHT80BT				
BR Coated bush	-	RHT80BR	-				
HT Ball bearings	RHT80C	-	-				
Ball bearing seat	RHT80S	-	-				
<b>Axle accessories</b>							
Axle bush	BSX12841	-	BSX10847				
Axle bush x ball bearings	BSX12841BB	-	-				
BT selflube bushes	-	-	BT1210				
BR coated axle bush	-	BR12841	-				
HT Ball bearings	HTBB12	-	-				
Axle bolt + nut	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860				

Wheel Ø	Ø 100	Ø 100	Ø 100				
Tread width	30	30	30				
Bore Ø	12	8	10				
Ball bearing seats Ø	32 x 10	-	-				
Hub length	40	40	45				
Load capacity	120	120	120				
<b>Codes</b>							
Plain bore	RHT100	-	-				
BT selflube bushes	-	-	RHT100BT				
BR Coated bush	-	RHT100BR	-				
HT Ball bearings	RHT100C	-	-				
Ball bearing seat	RHT100S	-	-				
<b>Axle accessories</b>							
Axle bush	BSX12841	-	BSX10847				
Axle bush x ball bearings	BSX12841BB	-	-				
BT selflube bushes	-	-	BT1210				
BR coated axle bush	-	BR12841	-				
HT Ball bearings	HTBB12	-	-				
Axle bolt + nut	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860				



# DITHERM RHT Series

Temperature range -40°C +260°C, wheel hardness 72 Shore A

Assembled into Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Medium duty top plate swivel castors

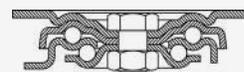


Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100				
Fork width	41	47	41	47				
Overall height	108	108	128	128				
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85				
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60				
Fixing holes Ø	9	9	9	9				
Offset	40	40	42	42				
Swivel radius	84	84	92	92				
Load capacity	100	100	120	120				
<b>Codes</b>								
Plain bore	RGZ80	-	RGZ100	-				
Brake version	RGZ80FA	-	RGZ100FA	-				
BR coated bush	RGZ80BR	-	RGZ100BR	-				
Brake version	RGZ80BRFA	-	RGZ100BRFA	-				
Selflube bushes	-	RGZ80BT	-	RGZ100BT				
Brake version	-	RGZ80BTFA	-	RGZ100BTFA				
HT Ball bearing	RGZ80C	-	RGZ100C	-				
Brake version	RGZ80CFA	-	RGZ100CFA	-				



DOUBLE LAYER GALVANIZED STEEL

Heavy duty top plate swivel castors



Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100				
Fork width	41	47	41	47				
Overall height	110	110	131	131				
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85				
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60				
Fixing holes Ø	9	9	9	9				
Offset	40	40	42	42				
Swivel radius	84	84	92	92				
Load capacity	100	100	120	120				
<b>Codes</b>								
Plain bore	RGZ80P	-	RGZ100P	-				
Brake version	RGZ80PFA	-	RGZ100PFA	-				
BR coated bush	RGZ80PBR	-	RGZ100PBR	-				
Brake version	RGZ80PBRFA	-	RGZ100PBRFA	-				
Selflube bushes	-	RGZ80PBT	-	RGZ100PBT				
Brake version	-	RGZ80PBTFA	-	RGZ100PBTFA				
HT Ball bearing	RGZ80PC	-	RGZ100PC	-				
Brake version	RGZ80PCFA	-	RGZ100PCFA	-				

# DITHERM RHT Series

Temperature -40°C a +260°C, wheel hardness 72 Shore A

Assembled into bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

**Bolt hole** swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100					
Wheel Ø	80	80	100	100					
Fork width	41	47	41	47					
Overall height	108	108	128	128					
Round plate Ø	77	77	77	77					
Fixing bolt hole Ø	12	12	12	12					
Offset	40	40	42	42					
Swivel radius	84	84	92	92					
Load capacity	100	100	120	120					
<b>Codes</b>									
Plain bore	RPZ80	-	RPZ100	-					
Brake version	RPZ80FA	-	RPZ100FA	-					
BR coated bush	RPZ80BR	-	RPZ100BR	-					
Brake version	RPZ80BRFA	-	RPZ100BRFA	-					
Selflube bushes	-	RPZ80BT	-	RPZ100BT					
Brake version	-	RPZ80BTFA	-	RPZ100BTFA					
HT Ball bearing	RPZ80C	-	RPZ100C	-					
Brake version	RPZ80CFA	-	RPZ100CFA	-					



DOUBLE LAYER GALVANIZED STEEL

**Fixed** castors

	Ø 80	Ø 80	Ø 100	Ø 100					
Wheel Ø	80	80	100	100					
Fork width	41	47	41	47					
Overall height	108	108	128	128					
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60					
Fixing holes Ø	9	9	9	9					
Load capacity	100	100	120	120					
<b>Codes</b>									
Plain bore	RFZ80	-	RFZ100	-					
BR coated bush	RFZ80BR	-	RFZ100BR	-					
Selflube bushes	-	RFZ80BT	-	RFZ100BT					
HT Ball bearing	RFZ80C	-	RFZ100C	-					

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM RHT Series

Temperature range -40°C +260°C, wheel hardness 72 Shore A

Assembled into Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Medium duty top plate swivel castors

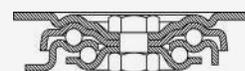


Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100				
Fork width	41	47	41	47				
Overall height	108	108	128	128				
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85				
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60				
Fixing holes Ø	9	9	9	9				
Offset	40	40	42	42				
Swivel radius	84	84	92	92				
Load capacity	100	100	120	120				
<b>Codes</b>								
Plain bore	RGX80	-	RGX100	-				
Brake version	RGX80FA	-	RGX100FA	-				
BR coated bush	RGX80BR	-	RGX100BR	-				
Brake version	RGX80BRFA	-	RGX100BRFA	-				
Selflube bushes	-	RGX80BT	-	RGX100BT				
Brake version	-	RGX80BTFA	-	RGX100BTFA				
HT Ball bearing	RGX80C	-	RGX100C	-				
Brake version	RGX80CFA	-	RGX100CFA	-				



AISI 304 STAINLESS STEEL

Heavy duty top plate swivel castors



Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100				
Fork width	41	47	41	47				
Overall height	110	110	131	131				
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85				
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60				
Fixing holes Ø	9	9	9	9				
Offset	40	40	42	42				
Swivel radius	84	84	92	92				
Load capacity	100	100	120	120				
<b>Codes</b>								
Plain bore	RGX80P	-	RGX100P	-				
Brake version	RGX80PFA	-	RGX100PFA	-				
BR coated bush	RGX80PBR	-	RGX100PBR	-				
Brake version	RGX80PBRFA	-	RGX100PBRFA	-				
Selflube bushes	-	RGX80PBT	-	RGX100PBT				
Brake version	-	RGX80PBTFA	-	RGX100PBTFA				
HT Ball bearing	RGX80PC	-	RGX100PC	-				
Brake version	RGX80PCFA	-	RGX100PCFA	-				

# DITHERM RHT Series

Temperature range -40°C +260°C, wheel hardness 72 Shore A

Assembled into bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

**Bolt hole** swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100
Wheel Ø	80	80	100	100
Fork width	41	47	41	47
Overall height	108	108	128	128
Round plate Ø	77	77	77	77
Fixing bolt hole Ø	12	12	12	12
Offset	40	40	42	42
Swivel radius	84	84	92	92
Load capacity	100	100	120	120

**Codes**

Plain bore	RPX80	-	RPX100	-
Brake version	RPX80FA	-	RPX100FA	-
BR coated bush	RPX80BR	-	RPX100BR	-
Brake version	RPX80BRFA	-	RPX100BRFA	-
Selflube bushes	-	RPX80BT	-	RPX100BT
Brake version	-	RPX80BTFA	-	RPX100BTFA
HT Ball bearing	RPX80C	-	RPX100C	-
Brake version	RPX80CFA	-	RPX100CFA	-



AISI 304 STAINLESS STEEL

**Fixed** castors

	Ø 80	Ø 80	Ø 100	Ø 100
Wheel Ø	80	80	100	100
Fork width	41	47	41	47
Overall height	108	108	128	128
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60
Fixing holes Ø	9	9	9	9
Load capacity	100	100	120	120

**Codes**

Plain bore	RFX80	-	RFX100	-
BR coated bush	RFX80BR	-	RFX100BR	-
Selflube bushes	-	RFX80BT	-	RFX100BT
HT Ball bearing	RFX80C	-	RFX100C	-

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM RXT Series



Temperature range -40°C +300°C, wheel hardness 76 Shore A

Wheels for high and low temperatures, manufactured in exclusive Ditherm® compound and special High Temperature elastic rubber tyre.



## Description

The wheel core of the RXT series is manufactured in special Ditherm® compound, combined with special fibers and molded under an innovative DC developed high pressure + extreme temperature process, and its tyre is made in a special high quality elastic rubber for high temperatures.

The white rubber tyre is mechanically bonded to the wheel core, and the coupling is further strengthened by a surface adhesion which is obtained without the use of any glue or vulcanization such as for almost any competition product.

This particular bonding is resulting in the highest quality wheel in its range of application, featuring a drastic reduction in the risk of tyre de-bonding during the work in temperatures.

They are available with several types of hubs and bearings, in order to allow the perfect response and the best need / price ratio for any type of high or low temperature requirement.

The RXT wheels can be fitted into a specific series of brackets for high/low temperatures, which are specifically studied and produced to fulfill the extremely wide variability of conditions to which they are submitted in the world of uses in temperatures, bakery and food industry.

Brackets are fully certified and manufactured with food and sanitary grade Stainless Steel in AISI 304, and are available in both metric and inches standard sizes, and are also available in double-layer galvanized pressed steel.

They are RoHS - REACH compliant, and the permanent lubrication has been approved by FDA-USDA for contact with foods.

A computerized control of the swivel head ball race and assembling tolerances assures a perfect plate rotation without locking point. Brake system is perfect for low and high temperatures and for inside-outside use and is maintenance free.

## Uses

The DITHERM RXT wheels are manufactured to resist to a range of temperatures between -40°C and +300°C.

They features a high resistance to water, most solvents, oils, acids and chemicals, excellent fire-smoke-toxicity properties and are fully certified for use in bakery and food industry, and for oven application requiring temperature of exercise up to +300°C.

These wheels assure also a great work into freezers and in temperature until -40°C and guarantee a high resistance against thermal shock caused by quick increasing or reduction of temperature, allowing these wheels to resist to sudden variation of temperatures, permitting to withstand jumps of 340°C in less than 60 seconds, either from cold to hot or reverse.

Ditherm RXT wheels do not mark the floor when the free rolling is secured, but can leave traces of grated material on dark floors if dragged or locked.

The rubber tyre can be sensitive to impacts with sharp obstacles ( cuts ) or to use over floor drains or sharp thresholds.

They are absolutely smooth and noiseless on almost any surface, granting a silent work and an excellent shock absorbing property which makes this wheel perfect for any use requiring a noiseless rolling.

## Important !

The best performances and life time of the wheel are strictly depending on heating and cooling cycles to which the wheels are submitted ; the maximum performance is guaranteed by cycles of maximum 30 minutes in temperature, followed by the same cooling time at room temperature.

# DITHERM RXT Series

Temperature range -40°C +300°C, wheel hardness 76 Shore A



Wheel Ø	Ø 100	Ø 100	Ø 100			
Tread width	30	30	30			
Bore Ø	12	8	10			
Ball bearing seats Ø	32 x 10	-	-			
Hub length	40	40	45			
Load capacity	120	120	120			
<b>Codes</b>						
Plain bore	RXT100	-	-			
BT selflube bushes	-	-	RXT100BT			
BR Coated bush	-	RXT100BR	-			
HT Ball bearings	RXT100C	-	-			
Ball bearing seat	RXT100S	-	-			
<b>Axle accessories</b>						
Axle bush	BSX12841	-	BSX10847			
Axle bush x ball bearings	BSX12841BB	-	-			
BT selflube bushes	-	-	BT1210			
BR coated axle bush	-	BR12841	-			
HT Ball bearings	HTBB12	-	-			
Axle bolt + nut	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860			



# DITHERM RXT Series

Temperature range -40°C +300°C, wheel hardness 76 Shore A

Assembled into Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

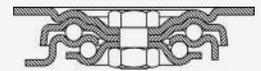


Medium duty top plate swivel castors

Wheel Ø	Ø 100	Ø 100					
Fork width	41	47					
Overall height	128	128					
Top plate size	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60					
Fixing holes Ø	9	9					
Offset	42	42					
Swivel radius	92	92					
Load capacity	120	120					
<b>Codes</b>							
Plain bore	RGZ100W	-					
Brake version	RGZ100WFA	-					
BR coated bush	RGZ100WBR	-					
Brake version	RGZ100WBRFA	-					
Selflube bushes	-	RGZ100WBT					
Brake version	-	RGZ100WBTFA					
HT Ball bearing	RGZ100WC	-					
Brake version	RGZ100WCFA	-					



DOUBLE LAYER GALVANIZED STEEL



Heavy duty top plate swivel castors

Wheel Ø	Ø 100	Ø 100					
Fork width	41	47					
Overall height	131	131					
Top plate size	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60					
Fixing holes Ø	9	9					
Offset	42	42					
Swivel radius	92	92					
Load capacity	120	120					
<b>Codes</b>							
Plain bore	RGZ100WP	-					
Brake version	RGZ100WPFA	-					
BR coated bush	RGZ100WPBR	-					
Brake version	RGZ100WPBRFA	-					
Selflube bushes	-	RGZ100WPBT					
Brake version	-	RGZ100WPBTFA					
HT Ball bearing	RGZ100WPC	-					
Brake version	RGZ100WPCFA	-					

# DITHERM RXT Series

Temperature range -40°C +300°C, wheel hardness 76 Shore A

Assembled into bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

**Bolt hole** swivel castors



Wheel Ø	Ø 100	Ø 100							
Fork width	41	47							
Overall height	128	128							
Round plate Ø	77	77							
Fixing bolt hole Ø	12	12							
Offset	42	42							
Swivel radius	92	92							
Load capacity	120	120							
<b>Codes</b>									
Plain bore	RPZ100W	-							
Brake version	RPZ100WFA	-							
BR coated bush	RPZ100WBR	-							
Brake version	RPZ100WBRFA	-							
Selflube bushes	-	RPZ100WBT							
Brake version	-	RPZ100WBTFA							
HT Ball bearing	RPZ100WC	-							
Brake version	RPZ100WCFA	-							



DOUBLE LAYER GALVANIZED STEEL

**Fixed** castors

Wheel Ø	Ø 100	Ø 100							
Fork width	41	47							
Overall height	128	128							
Top plate size	100 x 85	100 x 85							
Holes spacing	80 x 60	80 x 60							
Fixing holes Ø	9	9							
Load capacity	120	120							
<b>Codes</b>									
Plain bore	RFZ100W	-							
BR coated bush	RFZ100WBR	-							
Selflube bushes	-	RFZ100WBT							
HT Ball bearing	RFZ100WC	-							

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM RXT Series

Temperature range -40°C +300°C, wheel hardness 76 Shore A

Assembled into Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Medium duty top plate swivel castors

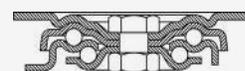


Wheel Ø	Ø 100	Ø 100					
Fork width	41	47					
Overall height	128	128					
Top plate size	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60					
Fixing holes Ø	9	9					
Offset	42	42					
Swivel radius	92	92					
Load capacity	120	120					
<b>Codes</b>							
Plain bore	RGX100W	-					
Brake version	RGX100WFA	-					
BR coated bush	RGX100WBR	-					
Brake version	RGX100WBRFA	-					
Selflube bushes	-	RGX100WBT					
Brake version	-	RGX100WBTFA					
HT Ball bearing	RGX100WC	-					
Brake version	RGX100WCFA	-					



AISI 304 STAINLESS STEEL

Heavy duty top plate swivel castors



Wheel Ø	Ø 100	Ø 100					
Fork width	41	47					
Overall height	131	131					
Top plate size	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60					
Fixing holes Ø	9	9					
Offset	42	42					
Swivel radius	92	92					
Load capacity	120	120					
<b>Codes</b>							
Plain bore	RGX100WP	-					
Brake version	RGX100WPFA	-					
BR coated bush	RGX100WPBR	-					
Brake version	RGX100WPBRFA	-					
Selflube bushes	-	RGX100WPBT					
Brake version	-	RGX100WPBTFA					
HT Ball bearing	RGX100WPC	-					
Brake version	RGX100WPCFA	-					

# DITHERM RXT Series

Temperature range -40°C +300°C, wheel hardness 76 Shore A

Assembled into bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

**Bolt hole** swivel castors



Wheel Ø	Ø 100	Ø 100							
Fork width	41	47							
Overall height	128	128							
Round plate Ø	77	77							
Fixing bolt hole Ø	12	12							
Offset	42	42							
Swivel radius	92	92							
Load capacity	120	120							
<b>Codes</b>									
Plain bore	RPX100W	-							
Brake version	RPX100WFA	-							
BR coated bush	RPX100WBR	-							
Brake version	RPX100WBRFA	-							
Selflube bushes	-	RPX100WBT							
Brake version	-	RPX100WBTFA							
HT Ball bearing	RPX100WC	-							
Brake version	RPX100WCFA	-							



AISI 304 STAINLESS STEEL

**Fixed** castors

Wheel Ø	Ø 100	Ø 100							
Fork width	41	47							
Overall height	128	128							
Top plate size	100 x 85	100 x 85							
Holes spacing	80 x 60	80 x 60							
Fixing holes Ø	9	9							
Load capacity	120	120							
<b>Codes</b>									
Plain bore	RFX100W	-							
BR coated bush	RFX100WBR	-							
Selflube bushes	-	RFX100WBT							
HT Ball bearing	RFX100WC	-							

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM XTW Series



Temperature range -50°C +400°C, wheel hardness 75 Shore D

Wheels for high and low temperatures, manufactured in composite compound in combination with natural fibers.



## Description

The XTW series is the only wheel which is assuring a temperature resistance up to +400°C and not being made out of aluminium or cast-iron, with the big advantage to preserve the floor and to secure a dramatic reduction of noise if compared to metal wheels. They are available with several types of hubs and bearings, in order to allow the perfect response and the best need / price ratio for any type of high or low temperature requirement.

The XTW wheels can be fitted into a specific series of brackets for high/low temperatures, which are specifically studied and produced to fulfill the extremely wide variability of conditions to which they are submitted in the world of uses in temperatures and bakery / food industry.

Brackets are fully certified and manufactured with food and sanitary grade Stainless Steel in AISI 304, and are available in both metric and inches standard sizes, and are also available in double-layer galvanized pressed steel.

They are RoHS - REACH compliant, and the permanent lubrication has been approved by FDA-USDA for contact with foods.

A computerized control of the swivel head ball race and assembling tolerances assures a perfect plate rotation without locking point. Brake system is perfect for low and high temperatures and for inside-outside use and is maintenance free.

## Uses

The DITHERM XTW wheels are manufactured to resist to a range of temperatures between -50°C and +400°C, and are recommended for continuous use up to +350°C with peaks of +400°C.

They features a fair resistance to water, most solvents, oils, acids and chemicals, excellent fire-smoke-toxicity properties and are fully certified for use in bakery and food industry, as well as for any oven application requiring temperature of exercise up to +400°C of peak.

These wheels assure also a great work into freezers and in temperature until -50°C and guarantee a high resistance against thermal shock caused by quick increasing or reduction of temperature, in fact the new Ditherm® material allow these wheels to resist to sudden variation of temperatures, permitting to withstand jumps of 400°C in less than 60 seconds, either from cold to hot or reverse. Ditherm XTW wheels do not mark the floor when the free rolling is secured, but can leave traces of grated material if used on abrasive floors ; also, some chipping or cracking of the wheel surface can happen in case of use on very uneven floors or in presence of heavy impacts against sharp obstacles, and in some particularly abrasive floors the wheel can show a higher grade of abrasion if compared to Ditherm MTW series.

## Attention !

The modification of the wheel colour into a darker tonality during the time is a standard characteristic of the material and does not effect the wheel property and performance in any way.

# DITHERM XTW Series

Temperature range -50°C +400°C, wheel hardness 75 Shore D



Wheel Ø	Ø 100	Ø 100	Ø 100				
Tread width	35	35	35				
Bore Ø	12	8	10				
Ball bearing seats Ø	32 x 10	-	-				
Hub length	40	40	45				
Load capacity	250	250	250				
	<b>Codes</b>						
Plain bore	XTW100	-	-				
BT selflube bushes	-	-	XTW100BT				
BR Coated bush	-	XTW100BR	-				
HT Ball bearings	XTW100C	-	-				
Ball bearing seat	XTW100S	-	-				
	<b>Axle accessories</b>						
Axle bush	BSX12841	-	BSX10847				
Axle bush x ball bearings	BSX12841BB	-	-				
BT selflube bushes	-	-	BT1210				
BR coated axle bush	-	BR12841	-				
HT Ball bearings	HTBB12	-	-				
Axle bolt + nut	VTX855 / VTZ855	VTX855 / VTZ855	VTX860 / VTZ860				

Wheel Ø	Ø 200 **						
Tread width	50						
Bore Ø	20						
Hub length	58						
Load capacity	900						
	<b>Codes</b>						
Plain bore	XTW200						
	<b>Axle accessories</b>						
Axle bush	BSX201260						
BT selflube bushes	-						
BR coated axle bush	-						
Ball bearings	-						
Axle bolt + nut	VTX1280 / VTZ1280						

\*\* Due to the production cost and production schedule, this wheel is available upon request, please contact our offices for the minimum quantity.



# DITHERM XTW Series

Temperature range -50°C +400°C, wheel hardness 75 Shore D

Assembled into Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Medium duty top plate swivel castors

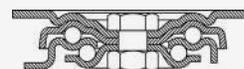


Wheel Ø	Ø 100	Ø 100					
Fork width	41	47					
Overall height	128	128					
Top plate size	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60					
Fixing holes Ø	9	9					
Offset	42	42					
Swivel radius	92	92					
Load capacity	220	220					
<b>Codes</b>							
Plain bore	XGZ100	-					
Brake version	XGZ100FA	-					
BR coated bush	XGZ100BR	-					
Brake version	XGZ100BRFA	-					
Selflube bushes	-	XGZ100BT					
Brake version	-	XGZ100BTFA					
HT Ball bearing	XGZ100C	-					
Brake version	XGZ100CFA	-					



DOUBLE LAYER GALVANIZED STEEL

Heavy duty top plate swivel castors



Wheel Ø	Ø 100	Ø 100					
Fork width	41	47					
Overall height	131	131					
Top plate size	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60					
Fixing holes Ø	9	9					
Offset	42	42					
Swivel radius	92	92					
Load capacity	250	250					
<b>Codes</b>							
Plain bore	XGZ100P	-					
Brake version	XGZ100PFA	-					
BR coated bush	XGZ100PBR	-					
Brake version	XGZ100PBRFA	-					
Selflube bushes	-	XGZ100PBT					
Brake version	-	XGZ100PBTFA					
HT Ball bearing	XGZ100PC	-					
Brake version	XGZ100PCFA	-					

# DITHERM XTW Series

Temperature range -50°C +400°C, wheel hardness 75 Shore D

Assembled into bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Bolt hole swivel castors



Wheel Ø	Ø 100	Ø 100							
Fork width	41	47							
Overall height	128	128							
Round plate Ø	77	77							
Fixing bolt hole Ø	12	12							
Offset	42	42							
Swivel radius	92	92							
Load capacity	220	220							
<b>Codes</b>									
Plain bore	XPZ100	-							
Brake version	XPZ100FA	-							
BR coated bush	XPZ100BR	-							
Brake version	XPZ100BRFA	-							
Selflube bushes	-	XPZ100BT							
Brake version	-	XPZ100BTFA							
HT Ball bearing	XPZ100C	-							
Brake version	XPZ100CFA	-							



DOUBLE LAYER GALVANIZED STEEL

Fixed castors

Wheel Ø	Ø 100	Ø 100							
Fork width	41	47							
Overall height	128	128							
Top plate size	100 x 85	100 x 85							
Holes spacing	80 x 60	80 x 60							
Fixing holes Ø	9	9							
Load capacity	250	250							
<b>Codes</b>									
Plain bore	XFZ100	-							
BR coated bush	XFZ100BR	-							
Selflube bushes	-	XFZ100BT							
HT Ball bearing	XFZ100C	-							

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# DITHERM XTW Series

Temperature range -50°C +400°C, wheel hardness 75 Shore D

Assembled into Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Medium duty top plate swivel castors

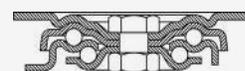


Wheel Ø	Ø 100	Ø 100					
Fork width	41	47					
Overall height	128	128					
Top plate size	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60					
Fixing holes Ø	9	9					
Offset	42	42					
Swivel radius	92	92					
Load capacity	220	220					
<b>Codes</b>							
Plain bore	XGX100	-					
Brake version	XGX100FA	-					
BR coated bush	XGX100BR	-					
Brake version	XGX100BRFA	-					
Selflube bushes	-	XGX100BT					
Brake version	-	XGX100BTFA					
HT Ball bearing	XGX100C	-					
Brake version	XGX100CFA	-					



AISI 304 STAINLESS STEEL

Heavy duty top plate swivel castors



Wheel Ø	Ø 100	Ø 100					
Fork width	41	47					
Overall height	131	131					
Top plate size	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60					
Fixing holes Ø	9	9					
Offset	42	42					
Swivel radius	92	92					
Load capacity	250	250					
<b>Codes</b>							
Plain bore	XGX100P	-					
Brake version	XGX100PFA	-					
BR coated bush	XGX100PBR	-					
Brake version	XGX100PBRFA	-					
Selflube bushes	-	XGX100PBT					
Brake version	-	XGX100PBTFA					
HT Ball bearing	XGX100PC	-					
Brake version	XGX100PCFA	-					

# DITHERM XTW Series

Temperature range -50°C +400°C, wheel hardness 75 Shore D

Assembled into bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

**Bolt hole** swivel castors



Wheel Ø	Ø 100	Ø 100							
Fork width	41	47							
Overall height	128	128							
Round plate Ø	77	77							
Fixing bolt hole Ø	12	12							
Offset	42	42							
Swivel radius	92	92							
Load capacity	220	220							
<b>Codes</b>									
Plain bore	XPX100	-							
Brake version	XPX100FA	-							
BR coated bush	XPX100BR	-							
Brake version	XPX100BRFA	-							
Selflube bushes	-	XPX100BT							
Brake version	-	XPX100BTFA							
HT Ball bearing	XPX100C	-							
Brake version	XPX100CFA	-							



AISI 304 STAINLESS STEEL

**Fixed** castors

Wheel Ø	Ø 100	Ø 100							
Fork width	41	47							
Overall height	128	128							
Top plate size	100 x 85	100 x 85							
Holes spacing	80 x 60	80 x 60							
Fixing holes Ø	9	9							
Load capacity	250	250							
<b>Codes</b>									
Plain bore	XFX100	-							
BR coated bush	XFX100BR	-							
Selflube bushes	-	XFX100BT							
HT Ball bearing	XFX100C	-							

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# D-NAMIC Series



Wheel hardness 92 Shore A, temperature range -40°C +90°C

Wheels made with HD Polyamide 6 core + red solid Polyurethane tyre, lifetime\*\* guaranteed against tread de-bonding.



## Description

The D-NAMIC wheels are manufactured through a new vacuum - dryer - high pressure process, entirely developed by DC, which results in the higher quality wheel in its range of products, and the only one to be covered by a **lifetime warranty\*\*** against the de-bonding of the Polyurethane tyre from the wheel centre.

The Polyurethane tyre grant a high cut and tear propagation resistance, is mechanically bonded to the wheel core, and the coupling is further strengthened by a surface adhesion which is obtained without the use of any glue or chemical bonding.

The D-NAMIC wheels can be fitted into a specific series of brackets for which are specifically studied and produced to fulfill the extremely wide variability of conditions to which they are submitted, for both industrial and food industry.

Brackets are fully certified and manufactured with food and sanitary grade Stainless Steel in AISI 304, and are available in both metric and inches standard sizes, and are also available in double-layer galvanized pressed steel.

They are RoHS - REACH compliant, and the permanent lubrication has been approved by FDA-USDA for contact with foods.

A computerized control of the swivel head ball race and assembling tolerances assures a perfect plate rotation without locking point.

Brake system is perfect for low and high temperatures and for inside-outside use and is maintenance free.

## Uses

The D-NAMIC wheels are excellent for use on trolleys and machinery carrying medium to heavy loads, and can be used in presence of continuous handling needs.

They features a great resistance to water, solvents, oils, acids, cleaners and chemicals, and are fully certified for use in food industry and hygienic environments, being manufactured with closed cells materials which do not retain the germs and allowed to be regularly submitted to high pressure washing.

The very low rolling resistance grants a minimum effort in manual handling use, and the version with double ball bearing hub can be suitable for use until 6 Km/h.

Some examples of recommended application can be trolleys for food industry and chemical industry, industrial trolleys, equipment and trolleys for meat and fish industry, slaughterhouses and textile industry.

D-NAMIC wheels grants a great resistance to abrasion and can be used on almost every type of floor.

## \*\* Lifetime warranty

The lifetime warranty ensures the wheel against the Polyurethane tyre de-bonding from the Polyamide centre for the entire life of use of the wheel, when proper use requirements are fulfilled.

# D-NAMIC Series

Wheel hardness 92 Shore A, temperature range -40°C +90°C



Wheel Ø	Ø 80	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 125	Ø 125
Tread width	33	33	33	33	33	33	35	35
Bore Ø	12	12	12	12	12	12	15	15
Ball bearing seats Ø	-	32 x 10	-	-	32 x 10	-	35 x 11	-
Hub length	40	40	45	40	40	45	40	45
Load capacity	240	240	240	280	280	280	340	340
<b>Codes</b>								
Plain bore	PXN8040	-	PXN8045	PXN10040	-	PXN10045	-	PXN12545
Roller bearing	PXN8040R	-	PXN8045R	PXN10040R	-	PXN10045R	-	PXN12545R
Inox roller bearing	PXN8040RX	-	PXN8045RX	PXN10040RX	-	PXN10045RX	-	PXN12545RX
Ball bearings	-	PXN8040C	-	-	PXN10040C	-	PXN12540C	-
Ball bearing seats	-	PXN8040S	-	-	PXN10040S	-	PXN12540S	-
<b>Axle accessories</b>								
Axle bush	BSX12841	BSX12847	BSX12847	BSX12841	BSX12847	BSX12847	BSX151047	BSX151047
Roller bearing	ZR122035	-	ZR122040	ZR122035	-	ZR122040	-	ZR152540
Inox roller bearing	SR122035	-	SR122040	SR122035	-	SR122040	-	SR152540
Headed spacers	-	BTX1208 / BTZ1208	-	-	BTX1208 / BTZ1208	-	BTX1510 / BTZ1510	-
Ball bearings	-	BB12	-	-	BB12	-	BB15	-
Axle bolt + nut	VTX855 / VTZ855	VTX860 / VTZ860	VTX860 / VTZ860	VTX855 / VTZ855	VTX860 / VTZ860	VTX855 / VTZ855	VTX1060 / VTZ1060	VTX1060 / VTZ1060

Wheel Ø	Ø 150	Ø 150	Ø 150	Ø 150	Ø 200	Ø 200		
Tread width	40	40	40	40	50	50		
Bore Ø	15	15	20	20	20	20		
Ball bearing seats Ø	-	35 x 11	-	47 x 14	-	47 x 14		
Hub length	45	40	58	50	58	50		
Load capacity	380	380	500	500	700	700		
<b>Codes</b>								
Plain bore	PXN15045	-	PXN15060	-	PXN20060	-		
Roller bearing	PXN15045R	-	PXN15060R	-	PXN20060R	-		
Inox roller bearing	PXN15045RX	-	PXN15060RX	-	PXN20060RX	-		
Ball bearings	-	PXN15040C	-	PXN15050C	-	PXN20050C		
Ball bearing seats	-	PXN15040S	-	PXN15050S	-			
<b>Axle accessories</b>								
Axle bush	BSX151047	-	BSX201260	-	BSX201260	-		
Roller bearing	ZR152540	-	ZR203250	-	ZR203250	-		
Inox roller bearing	SR152540	-	SR203250	-	SR203250	-		
Headed spacers	-	BTX1510 / BTZ1510	-	BTX2012 / BTZ2012	-	BTX2012 / BTZ2012		
Ball bearings	-	BB15	-	BB20	-	BB20		
Axle bolt + nut	VTX1060 / VTZ1060	VTX1060 / VTZ1060	VTX1280 / VTZ1280	VTX1280 / VTZ1280	VTX1280 / VTZ1280	VTX1280 / VTZ1280		



Axle bush    Roller bearing    Ball bearing / Headed spacers



Customized colors are available upon request. Please ask to our commercial offices for the minimum quantity required.

# D-NAMIC Series

Wheel hardness 92 Shore A, temperature range -40°C +90°C

Assembled into Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

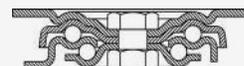


Medium duty top plate swivel castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	XNGZ8040	XNGZ8045	XNGZ10040	XNGZ10045	XNGZ12545	XNGZ15045	XNGZ15060	XNGZ20060
Brake version	XNGZ8040FA	XNGZ8045FA	XNGZ10040FA	XNGZ10045FA	XNGZ12545FA	XNGZ15045FA	XNGZ15060FA	XNGZ20060FA
Roller bearing	XNGZ8040R	XNGZ8045R	XNGZ10040R	XNGZ10045R	XNGZ12545R	XNGZ15045R	XNGZ15060R	XNGZ20060R
Brake version	XNGZ8040RFA	XNGZ8045RFA	XNGZ10040RFA	XNGZ10045RFA	XNGZ12545RFA	XNGZ15045RFA	XNGZ15060RFA	XNGZ20060RFA
Ball bearing	-	XNGZ80C	-	XNGZ100C	XNGZ125C	XNGZ15045C	XNGZ15060C	XNGZ200C
Brake version	-	XNGZ80CFA	-	XNGZ100CFA	XNGZ125CFA	XNGZ15045CFA	XNGZ15060CFA	XNGZ200CFA



DOUBLE LAYER GALVANIZED STEEL



Heavy duty top plate swivel castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	XNGZ8040P	XNGZ8045P	XNGZ10040P	XNGZ10045P	XNGZ12545P	XNGZ15045P	XNGZ15060P	XNGZ20060P
Brake version	XNGZ8040PFA	XNGZ8045PFA	XNGZ10040PFA	XNGZ10045PFA	XNGZ12545PFA	XNGZ15045PFA	XNGZ15060PFA	XNGZ20060PFA
Roller bearing	XNGZ8040PR	XNGZ8045PR	XNGZ10040PR	XNGZ10045PR	XNGZ12545PR	XNGZ15045PR	XNGZ15060PR	XNGZ20060PR
Brake version	XNGZ8040PRFA	XNGZ8045PRFA	XNGZ10040PRFA	XNGZ10045PRFA	XNGZ12545PRFA	XNGZ15045PRFA	XNGZ15060PRFA	XNGZ20060PRFA
Ball bearing	-	XNGZ80PC	-	XNGZ100PC	XNGZ125PC	XNGZ15045PC	XNGZ15060PC	XNGZ200PC
Brake version	-	XNGZ80PCFA	-	XNGZ100PCFA	XNGZ125PCFA	XNGZ15045PCFA	XNGZ15060PCFA	XNGZ200PCFA



Customized colors are available upon request. Please ask to our commercial offices for the minimum quantity required.

# D-NAMIC Series

Wheel hardness 92 Shore A, temperature range -40°C +90°C

Assembled into bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	XNPZ8040	XNPZ8045	XNPZ10040	XNPZ10045	XNPZ12545	XNPZ15045	XNPZ15060	XNPZ20060
Brake version	XNPZ8040FA	XNPZ8045FA	XNPZ10040FA	XNPZ10045FA	XNPZ12545FA	XNPZ15045FA	XNPZ15060FA	XNPZ20060FA
Roller bearing	XNPZ8040R	XNPZ8045R	XNPZ10040R	XNPZ10045R	XNPZ12545R	XNPZ15045R	XNPZ15060R	XNPZ20060R
Brake version	XNPZ8040RFA	XNPZ8045RFA	XNPZ10040RFA	XNPZ10045RFA	XNPZ12545RFA	XNPZ15045RFA	XNPZ15060RFA	XNPZ20060RFA
Ball bearing	-	XNPZ80C	-	XNPZ100C	XNPZ125C	XNPZ15045C	XNPZ15060C	XNPZ200C
Brake version	-	XNPZ80CFA	-	XNPZ100CFA	XNPZ125CFA	XNPZ15045CFA	XNPZ15060CFA	XNPZ200CFA



DOUBLE LAYER GALVANIZED STEEL

Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	XNFZ8040	XNFZ8045	XNFZ10040	XNFZ10045	XNFZ12545	XNFZ15045	XNFZ15060	XNFZ20060
Roller bearing	XNFZ8040RX	XNFZ8045R	XNFZ10040R	XNFZ10045R	XNFZ12545R	XNFZ15045R	XNFZ15060R	XNFZ20060R
Ball bearing	-	XNFZ80C	-	XNFZ100C	XNFZ125C	XNFZ15045C	XNFZ15060C	XNFZ200C

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.

# D-NAMIC Series



Wheel hardness 92 Shore A, temperature range -40°C +90°C

Assembled into Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Medium duty top plate swivel castors

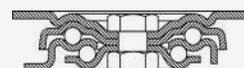


	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	XNGX8040	XNGX8045	XNGX10040	XNGX10045	XNGX12545	XNGX15045	XNGX15060	XNGX20060
Brake version	XNGX8040FA	XNGX8045FA	XNGX10040FA	XNGX10045FA	XNGX12545FA	XNGX15045FA	XNGX15060FA	XNGX20060FA
Roller bearing	XNGX8040RX	XNGX8045RX	XNGX10040RX	XNGX10045RX	XNGX12545RX	XNGX15045RX	XNGX15060RX	XNGX20060RX
Brake version	XNGX8040RXFA	XNGX8045RXFA	XNGX10040RXFA	XNGX10045RXFA	XNGX12545RXFA	XNGX15045RXFA	XNGX15060RXFA	XNGX20060RXFA
Ball bearing	-	XNGX80C	-	XNGX100C	XNGX125C	XNGX15045C	XNGX15060C	XNGX200C
Brake version	-	XNGX80CFA	-	XNGX100CFA	XNGX125CFA	XNGX15045CFA	XNGX15060CFA	XNGX200CFA



AISI 304 STAINLESS STEEL

Heavy duty top plate swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	XNGX8040P	XNGX8045P	XNGX10040P	XNGX10045P	XNGX12545P	XNGX15045P	XNGX15060P	XNGX20060P
Brake version	XNGX8040PFA	XNGX8045PFA	XNGX10040PFA	XNGX10045PFA	XNGX12545PFA	XNGX15045PFA	XNGX15060PFA	XNGX20060PFA
Roller bearing	XNGX8040PRX	XNGX8045PRX	XNGX10040PRX	XNGX10045PRX	XNGX12545PRX	XNGX15045PRX	XNGX15060PRX	XNGX20060PRX
Brake version	XNGX8040PRXFA	XNGX8045PRXFA	XNGX10040PRXFA	XNGX10045PRXFA	XNGX12545PRXFA	XNGX15045PRXFA	XNGX15060PRXFA	XNGX20060PRXFA
Ball bearing	-	XNGX80PC	-	XNGX100PC	XNGX125PC	XNGX15045PC	XNGX15060PC	XNGX200PC
Brake version	-	XNGX80PCFA	-	XNGX100PCFA	XNGX125PCFA	XNGX15045PCFA	XNGX15060PCFA	XNGX200PCFA



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.

# D-NAMIC Series

Wheel hardness 92 Shore A, temperature range -40°C +90°C

Assembled into bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	XNPX8040	XNPX8045	XNPX10040	XNPX10045	XNPX12545	XNPX15045	XNPX15060	XNPX20060
Brake version	XNPX8040FA	XNPX8045FA	XNPX10040FA	XNPX10045FA	XNPX12545FA	XNPX15045FA	XNPX15060FA	XNPX20060FA
Roller bearing	XNPX8040RX	XNPX8045RX	XNPX10040RX	XNPX10045RX	XNPX12545RX	XNPX15045RX	XNPX15060RX	XNPX20060RX
Brake version	XNPX8040RXFA	XNPX8045RXFA	XNPX10040RXFA	XNPX10045RXFA	XNPX12545RXFA	XNPX15045RXFA	XNPX15060RXFA	XNPX20060RXFA
Ball bearing	-	XNPX80C	-	XNPX100C	XNPX125C	XNPX15045C	XNPX15060C	XNPX200C
Brake version	-	XNPX80CFA	-	XNPX100CFA	XNPX125CFA	XNPX15045CFA	XNPX15060CFA	XNPX200CFA



AISI 304 STAINLESS STEEL

Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	XNFX8040	XNFX8045	XNFX10040	XNFX10045	XNFX12545	XNFX15045	XNFX15060	XNFX20060
Roller bearing	XNFX8040RX	XNFX8045RX	XNFX10040RX	XNFX10045RX	XNFX12545RX	XNFX15045RX	XNFX15060RX	XNFX20060RX
Ball bearing	-	XNFX80C	-	XNFX100C	XNFX125C	XNFX15045C	XNFX15060C	XNFX200C

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.



# D-FLEX Series



Wheel hardness 82 Shore A, temperature range -40°C +90°C

Wheels made with HD Polyamide 6 core + blue elastic Polyurethane tyre, lifetime guaranteed\*\* against tread de-bonding.



## Description

The D-FLEX wheels are manufactured through a new vacuum - dryer - high pressure process, entirely developed by DC, which results in the higher quality wheel in its range of products, and the only one to be covered by a **lifetime warranty\*\*** against the de-bonding of the elastic Polyurethane tyre from the wheel centre, plus they grant a high cut and tear propagation resistance.

Combines the load capacity and the resistance to wear and tear of the polyurethane with the ability to overcome obstacles and to reduce noise, vibrations and impacts of the elastic rubber.

The Polyurethane tyre is mechanically bonded to the wheel core, and the coupling is further strengthened by a surface adhesion which is obtained without the use of any glue or chemical bonding.

The D-FLEX wheels can be fitted into a specific series of brackets for which are specifically studied and produced to fulfill the extremely wide variability of conditions to which they are submitted, for both industrial and food industry.

Brackets are fully certified and manufactured with food and sanitary grade Stainless Steel in AISI 304, and are available in both metric and inches standard sizes, and are also available in double-layer galvanized pressed steel.

They are RoHS - REACH compliant, and the permanent lubrication has been approved by FDA-USDA for contact with foods.

A computerized control of the swivel head ball race and assembling tolerances assures a perfect plate rotation without locking point. Brake system is perfect for low and high temperatures and for inside-outside use and is maintenance free.

## Uses

The D-FLEX wheels are excellent for use on trolleys and machinery carrying medium to heavy loads, and can be used in presence of continuous handling needs.

An excellent resilience and the high elasticity of the Polyurethane tyre ensures a smooth and shock absorbing rolling, plus they can facilitate the starting effort even in case of heavy loads.

The particular formula of the tyre is also assuring a high grip on the floor, even in case of water or cleaners, resulting in a great stability of the trolley on every type of floor and in almost any condition of work, they features a great resistance to water, solvents, oils, acids, cleaners and chemicals, and are fully certified for use in food industry and hygienic environments, being manufactured with closed cells materials which do not retain the germs and allowed to be regularly submitted to high pressure washing.

The very low rolling resistance grants a minimum effort in manual handling use, and the version with double ball bearing hub can be suitable for use until 6 Km/h.

Some examples of recommended application can be trolleys for food industry and chemical industry, industrial trolleys, equipment and trolleys for meat and fish industry, slaughterhouses, pharmaceutical industry, floor-washing machines and scrubbers, and can be used as traction wheels if required.

D-FLEX wheels grants a great resistance to abrasion and can be used on almost every type of floor.

## \*\* Lifetime warranty

The lifetime warranty ensures the wheel against the Polyurethane tyre de-bonding from the Polyamide centre for the entire life of use of the wheel, when proper use requirements are fulfilled.

# D-FLEX Series

Wheel hardness 82 Shore A, elastic, temperature range -40°C +90°C



	Ø 80	Ø 80	Ø 80	Ø 100	Ø 100	Ø 100	Ø 125	Ø 125
Wheel Ø	33	33	33	33	33	33	35	35
Tread width	12	12	12	12	12	12	15	15
Bore Ø	-	32 x 10	-	-	32 x 10	-	35 x 11	-
Ball bearing seats Ø	40	40	45	40	40	45	40	45
Hub length	240	240	240	280	280	280	340	340
Load capacity	<b>Codes</b>							
Plain bore	PXS8040	-	PXS8045	PXS10040	-	PXS10045	-	PXS12545
Roller bearing	PXS8040R	-	PXS8045R	PXS10040R	-	PXS10045R	-	PXS12545R
Inox roller bearing	PXS8040RX	-	PXS8045RX	PXS10040RX	-	PXS10045RX	-	PXS12545RX
Ball bearings	-	PXS8040C	-	-	PXS10040C	-	PXS12540C	-
Ball bearing seats	-	PNX8040S	-	-	PXS10040S	-	PXS12540S	-
	<b>Axle accessories</b>							
Axle bush	BSX12841	BSX12847	BSX12847	BSX12841	BSX12847	BSX12847	BSX151047	BSX151047
Roller bearing	ZR122035	-	ZR122040	ZR122035	-	ZR122040	-	ZR152540
Inox roller bearing	SR122035	-	SR122040	SR122035	-	SR122040	-	SR152540
Headed spacers	-	BTX1208 / BTZ1208	-	-	BTX1208 / BTZ1208	-	BTX1510 / BTZ1510	-
Ball bearings	-	BB12	-	-	BB12	-	BB15	-
Axle bolt + nut	VTX855 / VTZ855	VTX860 / VTZ860	VTX860 / VTZ860	VTX855 / VTZ855	VTX860 / VTZ860	VTX855 / VTZ855	VTX1060 / VTZ1060	VTX1060 / VTZ1060

	Ø 150	Ø 150	Ø 150	Ø 150	Ø 200	Ø 200		
Wheel Ø	40	40	40	40	50	50		
Tread width	15	15	20	20	20	20		
Bore Ø	-	35 x 11	-	47 x 14	-	47 x 14		
Ball bearing seats Ø	45	40	58	50	58	50		
Hub length	380	380	500	500	700	700		
Load capacity	<b>Codes</b>							
Plain bore	PXS15045	-	PXS15060	-	PXS20060	-		
Roller bearing	PXS15045R	-	PXS15060R	-	PXS20060R	-		
Inox roller bearing	PXS15045RX	-	PXS15060RX	-	PXS20060RX	-		
Ball bearings	-	PXS15040C	-	PXS15050C	-	PXS20050C		
Ball bearing seats	-	PXS15040S	-	PXS15050S	-	PXS20050S		
	<b>Axle accessories</b>							
Axle bush	BSX151047	-	BSX201260	-	BSX201260	-		
Roller bearing	ZR152540	-	ZR203250	-	ZR203250	-		
Inox roller bearing	SR152540	-	SR203250	-	SR203250	-		
Headed spacers	-	BTX1510 / BTZ1510	-	BTX2012 / BTZ2012	-	BTX2012 / BTZ2012		
Ball bearings	-	BB15	-	BB20	-	BB20		
Axle bolt + nut	VTX1060 / VTZ1060	VTX1060 / VTZ1060	VTX1280 / VTZ1280	VTX1280 / VTZ1280	VTX1280 / VTZ1280	VTX1280 / VTZ1280		



Axle bush    Roller bearing    Ball bearing / Headed spacers



Customized colors are available upon request. Please ask to our commercial offices for the minimum quantity required.

# D-FLEX Series

Wheel hardness 82 Shore A, elastic, temperature range -40°C +90°C

Assembled into Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Medium duty top plate swivel castors

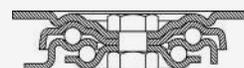


Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	XSGZ8040	XSGZ8045	XSGZ10040	XSGZ10045	XSGZ12545	XSGZ15045	XSGZ15060	XSGZ20060
Brake version	XSGZ8040FA	XSGZ8045FA	XSGZ10040FA	XSGZ10045FA	XSGZ12545FA	XSGZ15045FA	XSGZ15060FA	XSGZ20060FA
Roller bearing	XSGZ8040R	XSGZ8045R	XSGZ10040R	XSGZ10045R	XSGZ12545R	XSGZ15045R	XSGZ15060R	XSGZ20060R
Brake version	XSGZ8040RFA	XSGZ8045RFA	XSGZ10040RFA	XSGZ10045RFA	XSGZ12545RFA	XSGZ15045RFA	XSGZ15060RFA	XSGZ20060RFA
Ball bearing	-	XSGZ8045C	-	XSGZ10045C	XSGZ12545C	XSGZ15045C	XSGZ15060C	XSGZ20060C
Brake version	-	XSGZ8045CFA	-	XSGZ10045CFA	XSGZ12545CFA	XSGZ15045CFA	XSGZ15060CFA	XSGZ20060CFA



DOUBLE LAYER GALVANIZED STEEL

Heavy duty top plate swivel castors



Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	XSGZ8040P	XSGZ8045P	XSGZ10040P	XSGZ10045P	XSGZ12545P	XSGZ15045P	XSGZ15060P	XSGZ20060P
Brake version	XSGZ8040PFA	XSGZ8045PFA	XSGZ10040PFA	XSGZ10045PFA	XSGZ12545PFA	XSGZ15045PFA	XSGZ15060PFA	XSGZ20060PFA
Roller bearing	XSGZ8040PR	XSGZ8045PR	XSGZ10040PR	XSGZ10045PR	XSGZ12545PR	XSGZ15045PR	XSGZ15060PR	XSGZ20060PR
Brake version	XSGZ8040PRFA	XSGZ8045PRFA	XSGZ10040PRFA	XSGZ10045PRFA	XSGZ12545PRFA	XSGZ15045PRFA	XSGZ15060PRFA	XSGZ20060PRFA
Ball bearing	-	XSGZ8045PC	-	XSGZ10045PC	XSGZ12545PC	XSGZ15045PC	XSGZ15060PC	XSGZ20060PC
Brake version	-	XSGZ8045PCFA	-	XSGZ10045PCFA	XSGZ12545PCFA	XSGZ15045PCFA	XSGZ15060PCFA	XSGZ20060PCFA



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.

# D-FLEX Series

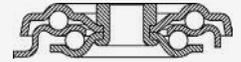
Wheel hardness 82 Shore A, elastic, temperature range -40°C +90°C

Assembled into bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	XSPZ8040	XSPZ8045	XSPZ10040	XSPZ10045	XSPZ12545	XSPZ15045	XSPZ15060	XSPZ20060
Brake version	XSPZ8040FA	XSPZ8045FA	XSPZ10040FA	XSPZ10045FA	XSPZ12545FA	XSPZ15045FA	XSPZ15060FA	XSPZ20060FA
Roller bearing	XSPZ8040R	XSPZ8045R	XSPZ10040R	XSPZ10045R	XSPZ12545R	XSPZ15045R	XSPZ15060R	XSPZ20060R
Brake version	XSPZ8040RFA	XSPZ8045RFA	XSPZ10040RFA	XSPZ10045RFA	XSPZ12545RFA	XSPZ15045RFA	XSPZ15060RFA	XSPZ20060RFA
Ball bearing	-	XSPZ8045C	-	XSPZ10045C	XSPZ12545C	XSPZ15045C	XSPZ15060C	XSPZ20060C
Brake version	-	XSPZ8045CFA	-	XSPZ10045CFA	XSPZ12545CFA	XSPZ15045CFA	XSPZ15060CFA	XSPZ20060CFA



DOUBLE LAYER GALVANIZED STEEL

Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	XSFZ8040	XSFZ8045	XSFZ10040	XSFZ10045	XSFZ12545	XSFZ15045	XSFZ15060	XSFZ20060
Roller bearing	XSFZ8040R	XSFZ8045R	XSFZ10040R	XSFZ10045R	XSFZ12545R	XSFZ15045R	XSFZ15060R	XSFZ20060R
Ball bearing	-	XSFZ8045C	-	XSFZ10045C	XSFZ12545C	XSFZ15045C	XSFZ15060C	XSFZ20060C

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.

# D-FLEX Series



Wheel hardness 82 Shore A, elastic, temperature range -40°C +90°C

Assembled into Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Medium duty top plate swivel castors



Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	XSGX8040	XSGX8045	XSGX10040	XSGX10045	XSGX12545	XSGX15045	XSGX15060	XSGX20060
Brake version	XSGX8040FA	XSGX8045FA	XSGX10040FA	XSGX10045FA	XSGX12545FA	XSGX15045FA	XSGX15060FA	XSGX20060FA
Roller bearing	XSGX8040RX	XSGX8045RX	XSGX10040RX	XSGX10045RX	XSGX12545RX	XSGX15045RX	XSGX15060RX	XSGX20060RX
Brake version	XSGX8040RXFA	XSGX8045RXFA	XSGX10040RXFA	XSGX10045RXFA	XSGX12545RXFA	XSGX15045RXFA	XSGX15060RXFA	XSGX20060RXFA
Ball bearing	-	XSGX8045C	-	XSGX10045C	XSGX12545C	XSGX15045C	XSGX15060C	XSGX20060C
Brake version	-	XSGX8045CFA	-	XSGX10045CFA	XSGX12545CFA	XSGX15045CFA	XSGX15060CFA	XSGX20060CFA



AISI 304 STAINLESS STEEL

Heavy duty top plate swivel castors



Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	XSGX8040P	XSGX8045P	XSGX10040P	XSGX10045P	XSGX12545P	XSGX15045P	XSGX15060P	XSGX20060P
Brake version	XSGX8040PFA	XSGX8045PFA	XSGX10040PFA	XSGX10045PFA	XSGX12545PFA	XSGX15045PFA	XSGX15060PFA	XSGX20060PFA
Roller bearing	XSGX8040PRX	XSGX8045PRX	XSGX10040PRX	XSGX10045PRX	XSGX12545PRX	XSGX15045PRX	XSGX15060PRX	XSGX20060PRX
Brake version	XSGX8040PRXFA	XSGX8045PRXFA	XSGX10040PRXFA	XSGX10045PRXFA	XSGX12545PRXFA	XSGX15045PRXFA	XSGX15060PRXFA	XSGX20060PRXFA
Ball bearing	-	XSGX8045PC	-	XSGX10045PC	XSGX12545PC	XSGX15045PC	XSGX15060PC	XSGX20060PC
Brake version	-	XSGX8045PCFA	-	XSGX10045PCFA	XSGX12545PCFA	XSGX15045PCFA	XSGX15060PCFA	XSGX20060PCFA



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.

# D-FLEX Series



Wheel hardness 82 Shore A, elastic, temperature range -40°C +90°C

Assembled into bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	XSPX8040	XSPX8045	XSPX10040	XSPX10045	XSPX12545	XSPX15045	XSPX15060	XSPX20060
Brake version	XSPX8040FA	XSPX8045FA	XSPX10040FA	XSPX10045FA	XSPX12545FA	XSPX15045FA	XSPX15060FA	XSPX20060FA
Roller bearing	XSPX8040RX	XSPX8045RX	XSPX10040RX	XSPX10045RX	XSPX12545RX	XSPX15045RX	XSPX15060RX	XSPX20060RX
Brake version	XSPX8040RXFA	XSPX8045RXFA	XSPX10040RXFA	XSPX10045RXFA	XSPX12545RXFA	XSPX15045RXFA	XSPX15060RXFA	XSPX20060RXFA
Ball bearing	-	XSPX8045C	-	XSPX10045C	XSPX12545C	XSPX15045C	XSPX15060C	XSPX20060C
Brake version	-	XSPX8045CFA	-	XSPX10045CFA	XSPX12545CFA	XSPX15045CFA	XSPX15060CFA	XSPX20060CFA



AISI 304 STAINLESS STEEL

Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	XSFX8040	XSFX8045	XSFX10040	XSFX10045	XSFX12545	XSFX15045	XSFX15060	XSFX20060
Roller bearing	XSFX8040RX	XSFX8045RX	XSFX10040RX	XSFX10045RX	XSFX12545RX	XSFX15045RX	XSFX15060RX	XSFX20060RX
Ball bearing	-	XSFX8045C	-	XSFX10045C	XSFX12545C	XSFX15045C	XSFX15060C	XSFX20060C

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.



# POLY-D Series

Wheel hardness 70 Shore D, temperature -40°C +90°C

Monolithic wheels made in Polyamide 6 natural HD



## Description

The POLY-D wheels are manufactured through a new vacuum - dryer - high pressure process, entirely developed by DC, which results in the higher quality wheel in its range of products.

Lifetime of these wheels has been improved thanks to the complete absence of air bubbles inside the finished product, obtained through our new production process.

The POLY-D wheels can be fitted into a specific series of brackets for which are specifically studied and produced to fulfill the extremely wide variability of conditions to which they are submitted, for both industrial and food industry.

Brackets are fully certified and manufactured with food and sanitary grade Stainless Steel in AISI 304, and are available in both metric and inches standard sizes, and are also available in double-layer galvanized pressed steel.

They are RoHS - REACH compliant, and the permanent lubrication has been approved by FDA-USDA for contact with foods.

A computerized control of the swivel head ball race and assembling tolerances assures a perfect plate rotation without locking point.

Brake system is perfect for low and high temperatures and for inside-outside use and is maintenance free.

## Uses

The POLY-D wheels are excellent for use on trolleys and machinery carrying medium to heavy loads, and are mostly suggested for use on smooth floors.

They features a great resistance to water, solvents, oils, cleaners and chemicals, and are fully certified for use in food industry and hygienic environments, being manufactured with closed cells materials which do not retain the germs and allowed to be regularly submitted to high pressure washing.

The POLY-D wheels can be, for example, used on trolleys for food industry, tannery industry, equipment and trolleys for meat and fish industry, slaughterhouses, ice cream machinery and flower trolleys.

# POLY-D Series

Wheel hardness 70 Shore D, temperature range -40°C +90°C



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125
Wheel Ø	80	80	100	100	125
Tread width	35	35	35	35	40
Bore Ø	12	12	12	12	15
Hub length	40	45	40	45	45
Load capacity	250	250	300	300	400
<b>Codes</b>					
Plain bore	NY8040	NY8045	NY10040	NY10045	NY12545
Roller bearing	NY8040R	NY8045R	NY10040R	NY10045R	NY12545R
Inox roller bearing	NY8040RX	NY8045RX	NY10040RX	NY10045RX	NY12545RX
<b>Axle accessories</b>					
Axle bush	BSX12841	BSX12847	BSX12841	BSX12847	BSX151047
Roller bearing	ZR122035	ZR122040	ZR122035	ZR122040	ZR152540
Inox roller bearing	SR122035	SR122040	SR122035	SR122040	SR152540
Axle bolt + nut	VTX855 / VTZ855	VTX860 / VTZ860	VTX855 / VTZ855	VTX860 / VTZ860	VTX1060 / VTZ1060

	Ø 150	Ø 150	Ø 200
Wheel Ø	150	150	200
Tread width	40	40	50
Bore Ø	15	20	20
Hub length	45	58	58
Load capacity	550	650	750
<b>Codes</b>			
Plain bore	NY15045	NY15060	NY20060
Roller bearing	NY15045R	NY15060R	NY20060R
Inox roller bearing	NY15045RX	NY15060RX	NY20060RX
<b>Axle accessories</b>			
Axle bush	BSX151047	BSX201260	BSX201260
Roller bearing	ZR152540	ZR203250	ZR203250
Inox roller bearing	SR152540	SR203250	SR203250
Axle bolt + nut	VTX1060 / VTZ1060	VTX1280 / VTZ1280	VTX1280 / VTZ1280



Axle bush      Roller bearing

# POLY-D Series

Wheel hardness 70 Shore D, temperature range -40°C +90°C

Assembled into Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Medium duty top plate swivel castors

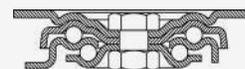


	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	NYGZ8040	NYGZ8045	NYGZ10040	NYGZ10045	NYGZ12545	NYGZ15045	NYGZ15060	NYGZ20060
Brake version	NYGZ8040FA	NYGZ8045FA	NYGZ10040FA	NYGZ10045FA	NYGZ12545FA	NYGZ15045FA	NYGZ15060FA	NYGZ20060FA
Roller bearing	NYGZ8040R	NYGZ8045R	NYGZ10040R	NYGZ10045R	NYGZ12545R	NYGZ15045R	NYGZ15060R	NYGZ20060R
Brake version	NYGZ8040RFA	NYGZ8045RFA	NYGZ10040RFA	NYGZ10045RFA	NYGZ12545RFA	NYGZ15045RFA	NYGZ15060RFA	NYGZ20060RFA



DOUBLE LAYER GALVANIZED STEEL

Heavy duty top plate swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	NYGZ8040P	NYGZ8045P	NYGZ10040P	NYGZ10045P	NYGZ12545P	NYGZ15045P	NYGZ15060P	NYGZ20060P
Brake version	NYGZ8040PFA	NYGZ8045PFA	NYGZ10040PFA	NYGZ10045PFA	NYGZ12545PFA	NYGZ15045PFA	NYGZ15060PFA	NYGZ20060PFA
Roller bearing	NYGZ8040PR	NYGZ8045PR	NYGZ10040PR	NYGZ10045PR	NYGZ12545PR	NYGZ15045PR	NYGZ15060PR	NYGZ20060PR
Brake version	NYGZ8040PRFA	NYGZ8045PRFA	NYGZ10040PRFA	NYGZ10045PRFA	NYGZ12545PRFA	NYGZ15045PRFA	NYGZ15060PRFA	NYGZ20060PRFA

# POLY-D Series

Wheel hardness 70 Shore D, temperature range -40°C +90°C

Assembled into bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	NYPZ8040	NYPZ8045	NYPZ10040	NYPZ10045	NYPZ12545	NYPZ15045	NYPZ15060	NYPZ20060
Brake version	NYPZ8040FA	NYPZ8045FA	NYPZ10040FA	NYPZ10045FA	NYPZ12545FA	NYPZ15045FA	NYPZ15060FA	NYPZ20060FA
Roller bearing	NYPZ8040R	NYPZ8045R	NYPZ10040R	NYPZ10045R	NYPZ12545R	NYPZ15045R	NYPZ15060R	NYPZ20060R
Brake version	NYPZ8040RFA	NYPZ8045RFA	NYPZ10040RFA	NYPZ10045RFA	NYPZ12545RFA	NYPZ15045RFA	NYPZ15060RFA	NYPZ20060RFA



DOUBLE LAYER GALVANIZED STEEL

Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	NYFZ8040	NYFZ8045	NYFZ10040	NYFZ10045	NYFZ12545	NYFZ15045	NYFZ15060	NYFZ20060
Roller bearing	NYFZ8040R	NYFZ8045R	NYFZ10040R	NYFZ10045R	NYFZ12545R	NYFZ15045R	NYFZ15060R	NYFZ20060R

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

# POLY-D Series

Wheel hardness 70 Shore D, temperature range -40°C +90°C

Assembled into Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

Medium duty top plate swivel castors

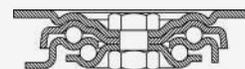


	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	NYGX8040	NYGX8045	NYGX10040	NYGX10045	NYGX12545	NYGX15045	NYGX15060	NYGX20060
Brake version	NYGX8040FA	NYGX8045FA	NYGX10040FA	NYGX10045FA	NYGX12545FA	NYGX15045FA	NYGX15060FA	NYGX20060FA
Roller bearing	NYGX8040RX	NYGX8045RX	NYGX10040RX	NYGX10045RX	NYGX12545RX	NYGX15045RX	NYGX15060RX	NYGX20060RX
Brake version	NYGX8040RXFA	NYGX8045RXFA	NYGX10040RXFA	NYGX10045RXFA	NYGX12545RXFA	NYGX15045RXFA	NYGX15060RXFA	NYGX20060RXFA



AISI 304 STAINLESS STEEL

Heavy duty top plate swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	NYGX8040P	NYGX8045P	NYGX10040P	NYGX10045P	NYGX12545P	NYGX15045P	NYGX15060P	NYGX20060P
Brake version	NYGX8040PFA	NYGX8045PFA	NYGX10040PFA	NYGX10045PFA	NYGX12545PFA	NYGX15045PFA	NYGX15060PFA	NYGX20060PFA
Roller bearing	NYGX8040PRX	NYGX8045PRX	NYGX10040PRX	NYGX10045PRX	NYGX12545PRX	NYGX15045PRX	NYGX15060PRX	NYGX20060PRX
Brake version	NYGX8040PRXFA	NYGX8045PRXFA	NYGX10040PRXFA	NYGX10045PRXFA	NYGX12545PRXFA	NYGX15045PRXFA	NYGX15060PRXFA	NYGX20060PRXFA

# POLY-D Series

Wheel hardness 70 Shore D, temperature range -40°C +90°C

Assembled into bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

**Bolt hole** swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	108	108	128	128	155	181	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Plain bore	NYPX8040	NYPX8045	NYPX10040	NYPX10045	NYPX12545	NYPX15045	NYPX15060	NYPX20060
Brake version	NYPX8040FA	NYPX8045FA	NYPX10040FA	NYPX10045FA	NYPX12545FA	NYPX15045FA	NYPX15060FA	NYPX20060FA
Roller bearing	NYPX8040RX	NYPX8045RX	NYPX10040RX	NYPX10045RX	NYPX12545RX	NYPX15045RX	NYPX15060RX	NYPX20060RX
Brake version	NYPX8040RXFA	NYPX8045RXFA	NYPX10040RXFA	NYPX10045RXFA	NYPX12545RXFA	NYPX15045RXFA	NYPX15060RXFA	NYPX20060RXFA



AISI 304 STAINLESS STEEL

**Fixed** castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Wheel Ø	80	80	100	100	125	150	150	200
Fork width	41	47	41	47	47	47	60	60
Overall height	110	110	131	131	158	184	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Holes spacing	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Offset	40	40	42	42	44	46	52	56
Swivel radius	84	84	92	92	107	121	127	156
Load capacity	210	210	250	250	260	280	380	500
<b>Codes</b>								
Plain bore	NYFX8040	NYFX8045	NYFX10040	NYFX10045	NYFX12545	NYFX15045	NYFX15060	NYFX20060
Roller bearing	NYFX8040RX	NYFX8045RX	NYFX10040RX	NYFX10045RX	NYFX12545RX	NYFX15045RX	NYFX15060RX	NYFX20060RX

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.

Wheel hardness 72 Shore A, temperature range -40°C +80°C

Wheels made with HD Polyamide 6 core + blue superelastic compound tyre, lifetime guaranteed\*\* against tread de-bonding.



## Description

Also the ACW wheels are manufactured through a new vacuum - dryer - high pressure process, entirely developed by DC, which results in the higher quality wheel in its range of products, and the only one to be covered by a lifetime warranty\*\* against the de-bonding of the superelastic compound tyre from the wheel centre. The tyre is mechanically bonded to the wheel core, and the coupling is further strengthened by a surface adhesion which is obtained without the use of any glue or chemical bonding. The ACW wheels can be fitted into a specific series of brackets for which are specifically studied and produced to fulfill the extremely wide variability of conditions to which they are submitted, for either entertainment, industrial and food industry. Brackets are fully certified and manufactured with food and sanitary grade Stainless Steel in AISI 304, and are available in both metric and inches standard sizes, and are also available in double-layer galvanized pressed steel. They are ROHS - REACH compliant, and the permanent lubrication has been approved by FDA-USDA for contact with foods. A computerized control of the swivel head ball race and assembling tolerances assures a perfect plate rotation without locking point. Brake system is perfect for low and high temperatures and for inside-outside use and is maintenance free.

## Uses

ACW has been studied and developed for long time, and initially has been specifically manufactured for flight cases and entertainment equipment use. The collaboration with our largest customer and manufacturer of these equipment joined to the experience of DC's material researches has made possible the realization of this revolutionary wheel for specific flight cases and transport application. Until today the largest part of music industry and flight cases industry utilized the typical elastic blue rubber wheel as a standard, but beside this we have always believed that it could have been possible to provide to his market sector a step beyond wheel which could assure longer life, higher load capacity, stronger resistance to impacts and extraordinary work in outside use, even in the worst conditions; all this is now possible with the new ACW series wheels which combines these extraordinary capacities to the typical elasticity and cushioning that this range of application requires. Some other examples of application can be trolleys for food industry and chemical industry, equipment and trolleys for meat and fish Industry. ACW wheels grants a great resistance to abrasion and can be used on almost any type of floor.

## \*\* Lifetime warranty

The lifetime warranty ensures the wheel against the tyre de-bonding from the Polyamide centre for the entire life of use of the wheel, when proper use requirements are fulfilled.

# ACW Series

Wheel hardness 72 Shore A, temperature range -40°C +80°C



Wheel Ø	Ø 100	Ø 125				
Tread width	33	35				
Bore Ø	12	15				
Hub length	45	45				
Load capacity	180	210				
<b>Codes</b>						
Plain bore	AC10045	AC12545				
Roller bearing	AC10045R	AC12545R				
Inox roller bearing	AC10045RX	AC12545RX				
<b>Axle accessories</b>						
Axle bush	BSX12847	BSX12847				
Roller bearing	ZR122040	ZR152540				
Inox roller bearing	SR122040	SR152540				
Axle bolt + nut	VTX860 / VTZ860	VTX1060 / VTZ1060				



Axle bush      Roller bearing



Customized colors are available upon request. Please ask to our commercial offices for the minimum quantity required.

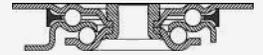
# ACW Series

Wheel hardness 72 Shore A, superelastic, temperature range -40°C +80°C

Assembled into Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

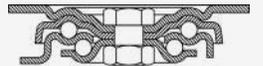


Medium duty top plate swivel castors

	Ø 100	Ø 125						
Wheel Ø	100	125						
Fork width	47	47						
Overall height	128	155						
Top plate size	100 x 85	100 x 85						
Holes spacing	80 x 60	80 x 60						
Fixing holes Ø	Ø 9	Ø 9						
Offset	42	44						
Swivel radius	92	107						
Load capacity	180	210						
<b>Codes</b>								
Plain bore	ACGZ10045	ACGZ12545						
Brake version	ACGZ10045FA	ACGZ12545FA						
Roller bearing	ACGZ10045R	ACGZ12545R						
Brake version	ACGZ10045RFA	ACGZ12545RFA						



DOUBLE LAYER GALVANIZED STEEL



Heavy duty top plate swivel castors

	Ø 100	Ø 125						
Wheel Ø	100	125						
Fork width	47	47						
Overall height	131	158						
Top plate size	100 x 85	100 x 85						
Holes spacing	80 x 60	80 x 60						
Fixing holes Ø	9	9						
Offset	42	44						
Swivel radius	92	107						
Load capacity	250	260						
<b>Codes</b>								
Plain bore	ACGZ10045P	ACGZ12545P						
Brake version	ACGZ10045PFA	ACGZ12545PFA						
Roller bearing	ACGZ10045PR	ACGZ12545PR						
Brake version	ACGZ10045PRFA	ACGZ12545PRFA						



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.

# ACW Series

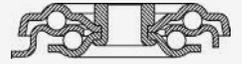
Wheel hardness 72 Shore A, superelastic, temperature range -40°C +80°C

Assembled into bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating



DOUBLE LAYER GALVANIZED STEEL

Bolt hole swivel castors



	Ø 100	Ø 125
Wheel Ø	100	125
Fork width	47	47
Overall height	128	155
Round plate Ø	77	77
Fixing bolt hole Ø	12	12
Offset	42	44
Swivel radius	92	107
Load capacity	180	210

Codes

Plain bore	ACPZ10045	ACPZ12545
Brake version	ACPZ10045FA	ACPZ12545FA
Roller bearing	ACPZ10045R	ACPZ12545R
Brake version	ACPZ10045RFA	ACPZ12545RFA



DOUBLE LAYER GALVANIZED STEEL

Fixed castors

	Ø 100	Ø 125
Wheel Ø	100	125
Fork width	47	47
Overall height	131	158
Top plate size	100 x 85	100 x 85
Holes spacing	80 x 60	80 x 60
Fixing holes Ø	9	9
Offset	42	44
Swivel radius	92	107
Load capacity	180	210

Codes

Plain bore	ACFZ10045	ACFZ12545
Roller bearing	ACFZ10045R	ACFZ12545R

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.

# ACW Series



Wheel hardness 72 Shore A, superelastic, temperature range -40°C +80°C

Assembled into Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

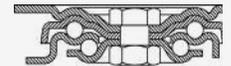


Medium duty top plate swivel castors

	Ø 100	Ø 125					
Wheel Ø	100	125					
Fork width	47	47					
Overall height	128	155					
Top plate size	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60					
Fixing holes Ø	9	9					
Offset	42	44					
Swivel radius	92	107					
Load capacity	180	210					
<b>Codes</b>							
Plain bore	ACGX10045	ACGX12545					
Brake version	ACGX10045FA	ACGX12545FA					
Roller bearing	ACGX10045RX	ACGX12545RX					
Brake version	ACGX10045RXFA	ACGX12545RXFA					



AISI 304 STAINLESS STEEL



Heavy duty top plate swivel castors

	Ø 100	Ø 125					
Wheel Ø	100	125					
Fork width	47	47					
Overall height	131	158					
Top plate size	100 x 85	100 x 85					
Holes spacing	80 x 60	80 x 60					
Fixing holes Ø	9	9					
Offset	42	44					
Swivel radius	92	107					
Load capacity	250	260					
<b>Codes</b>							
Plain bore	ACGX10045P	ACGX12545P					
Brake version	ACGX10045PFA	ACGX12545PFA					
Roller bearing	ACGX10045PRX	ACGX12545PRX					
Brake version	ACGX10045PRXFA	ACGX12545PRXFA					



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.

# ACW Series



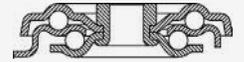
Wheel hardness 72 Shore A, superelastic, temperature range -40°C +80°C

Assembled into bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished



AISI 304 STAINLESS STEEL

**Bolt hole** swivel castors



	Ø 100	Ø 125
Wheel Ø	100	125
Fork width	47	47
Overall height	128	155
Round plate Ø	77	77
Fixing bolt hole Ø	12	12
Offset	42	44
Swivel radius	92	107
Load capacity	180	210

Codes

Plain bore	ACPX10045	ACPX12545
Brake version	ACPX10045FA	ACPX12545FA
Roller bearing	ACPX10045RX	ACPX12545RX
Brake version	ACPX10045RXFA	ACPX12545RXFA



AISI 304 STAINLESS STEEL

**Fixed** castors

	Ø 100	Ø 125
Wheel Ø	100	125
Fork width	47	47
Overall height	131	158
Top plate size	100 x 85	100 x 85
Holes spacing	80 x 60	80 x 60
Fixing holes Ø	9	9
Offset	42	44
Swivel radius	92	107
Load capacity	180	210

Codes

Plain bore	ACFX10045	ACFX12545
Roller bearing	ACFX10045RX	ACFX12545RX

The bolt hole castor load capacity is indicated for fixation to tubes, table feet or similar, if the bolt hole castor is fixed through a bolt and nut to a flat surface with minimum thickness 3 mm, the load capacity can be assimilated to the heavy duty top plate load capacities.



Customized colors are available upon request.  
Please ask to our commercial offices for the minimum quantity required.



# DC Di Candia Ruote websites

The DC production is available on the web in three exclusive websites



## Website and specialized websites

The full industrial and food industry production of wheels and castors can be found on the DC Di Candia Ruote's general website at the address [www.dcdicandia.com](http://www.dcdicandia.com), available in 7 languages : English | English USA | Spanish | French | Italian | Arabic | Russian. We also offer you our Specialized and dedicated websites, specifically designed for the high temperature industry needs and for the food industry needs.

The most complete range of high / low temperature wheels and castors can be reached at [www.hightemperaturewheels.com](http://www.hightemperaturewheels.com)

The new "Multiwheel" concept and specific food industry wheels and castors can be reached at [www.foodcastors.com](http://www.foodcastors.com)

You can also browse the mobile quick reference website for smartphones, tablets and mobile devices, for a complete panorama of products and dimensions at your fingertips.

## Special programs

### Join the "Multiwheel" program by DC Di Candia Ruote

The Multiwheel program has been introduced by DC, and it allows to identify the best specific product which has been studied and developed for particular industrial sectors.

Once that you have identified your sector of industry and / or interest, then the "Multiwheel" program will introduce you the exact product that would perfectly suit your equipment and will match your needs. This new program will make extremely easy and focused your choice of the right product for every food industry requirement, granting a dramatic reduction in time and costs as usually happens with the research and the testing of standard products to be used in specific environments.

Contact our commercial offices for further details, or visit the dedicated website at [www.foodcastors.com](http://www.foodcastors.com).

A wide choice of informative flyers and brochures are available for your consultation, and our staff is always available to assist you at anytime.

**Multiwheel**

The DC's "multi-wheel" logo is warranty of highest care, first quality in raw materials, strict rules compliance, continuous improvement in the field of the food industry castors and production exclusively Made in Italy.

[www.foodcastors.com](http://www.foodcastors.com)



# XTREME-Z Series

Medium duty and Heavy duty high quality pressed steel brackets with a double layer zinc-coating

Studied and developed specifically for standard use and High / Low temperature use



DOUBLE LAYER GALVANIZED STEEL

Medium duty top plate swivel castors

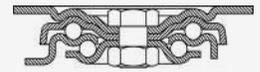


	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Housing for wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height w/wheel	108	108	128	128	155	155	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Fixing holes pattern	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Axle fork hole Ø	8	8	8	8	10	10	12	12
Offset	40	40	42	42	44	46	52	56
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Standard	GZ8040	GZ8045	GZ10040	GZ10045	GZ12545	GZ15045	GZ15060	GZ20060
Brake version	GZ8040FA	GZ8045FA	GZ10040FA	GZ10045FA	GZ12545FA	GZ15045FA	GZ15060FA	GZ20060FA
High temperature	GZ8040HT	GZ8045HT	GZ10040HT	GZ10045HT	GZ12545HT	GZ15045HT	GZ15060HT	GZ20060HT
Brake version	GZ8040HTFA	GZ8045HTFA	GZ10040HTFA	GZ10045HTFA	GZ12545HTFA	GZ15045HTFA	GZ15060HTFA	GZ20060HTFA



DOUBLE LAYER GALVANIZED STEEL

Heavy duty top plate swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Housing for wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height w/wheel	110	110	131	131	158	158	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Fixing holes pattern	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Axle fork hole Ø	8	8	8	8	10	10	12	12
Offset	40	40	42	42	44	46	52	56
Load capacity	240	240	260	260	280	300	350	500
<b>Codes</b>								
Standard / High temp	GZ8040P	GZ8045P	GZ10040P	GZ10045P	GZ12545P	GZ15045P	GZ15060P	GZ20060P
Brake version	GZ8040PFA	GZ8045PFA	GZ10040PFA	GZ10045PFA	GZ12545PFA	GZ15045PFA	GZ15060PFA	GZ20060PFA

# XTREME-Z Series

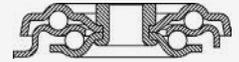
Bolt hole and fixed high quality pressed steel brackets with a double layer zinc-coating

Studied and developed specifically for standard use and High / Low temperature use



## DOUBLE LAYER GALVANIZED STEEL

### Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Housing for wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height w/wheel	108	108	128	128	155	155	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Axle fork hole Ø	8	8	8	8	10	10	12	12
Disassamento	40	40	42	42	44	46	52	56
Load capacity	200	200	220	220	230	250	350	400

#### Codes

Standard / High temp	PZ8040	PZ8045	PZ10040	PZ10045	PZ12545	PZ15045	PZ15060	PZ20060
Brake version	PZ8040FA	PZ8045FA	PZ10040FA	PZ10045FA	PZ12545FA	PZ15045FA	PZ15060FA	PZ20060FA



## DOUBLE LAYER GALVANIZED STEEL

### Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Housing for wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height w/wheel	110	110	131	131	158	158	184	235
Top plate size	100 x 85	135 x 110	135 x 110					
Fixing holes pattern	80 x 60	105 x 80	105 x 80					
Fixing holes Ø	9	9	9	9	9	9	11	11
Axle fork hole Ø	8	8	8	8	10	10	12	12
Load capacity	240	240	260	260	280	300	380	500

#### Codes

Standard / High temp	FZ8040	FZ8045	FZ10040	FZ10045	FZ12545	FZ15045	FZ15060	FZ20060
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# XTREME-X Series

Medium duty and Heavy duty high quality AISI 304 Stainless Steel brackets, mirror finished

Studied and developed specifically for standard use and High / Low temperature use



DOUBLE LAYER GALVANIZED STEEL

Medium duty top plate swivel castors

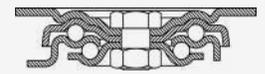


	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Housing for wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height w/wheel	108	108	128	128	155	155	181	232
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Fixing holes pattern	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Axle fork hole Ø	8	8	8	8	10	10	12	12
Offset	40	40	42	42	44	46	52	56
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Standard	GX8040	GX8045	GX10040	GX10045	GX12545	GX15045	GX15060	GX20060
Brake version	GX8040FA	GX8045FA	GX10040FA	GX10045FA	GX12545FA	GX15045FA	GX15060FA	GX20060FA
High temperature	GX8040HT	GX8045HT	GX10040HT	GX10045HT	GX12545HT	GX15045HT	GX15050HT	GX20060HT
Brake version	GX8040HTFA	GX8045HTFA	GX10040HTFA	GX10045HTFA	GX12545HTFA	GX15045HTFA	GX15050HTFA	GX20060HTFA



DOUBLE LAYER GALVANIZED STEEL

Heavy duty top plate swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Housing for wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height w/wheel	110	110	131	131	158	158	184	235
Top plate size	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	100 x 85	135 x 110	135 x 110
Fixing holes pattern	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	80 x 60	105 x 80	105 x 80
Fixing holes Ø	9	9	9	9	9	9	11	11
Axle fork hole Ø	8	8	8	8	10	10	12	12
Offset	40	40	42	42	44	46	52	56
Load capacity	240	240	260	260	280	300	350	500
<b>Codes</b>								
Standard / High temp	GX8040P	GX8045P	GX10040P	GX10045P	GX12545P	GX15045P	GX15060P	GX20060P
Brake version	GX8040PFA	GX8045PFA	GX10040PFA	GX10045PFA	GX12545PFA	GX15045PFA	GX15060PFA	GX20060PFA

# XTREME-X Series

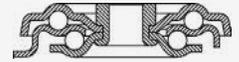
Bolt hole and fixed high quality AISI 304 Stainless Steel brackets, mirror finished

Studied and developed specifically for standard use and High / Low temperature use



## AISI 304 STAINLESS STEEL

### Bolt hole swivel castors



	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Housing for wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height w/wheel	108	108	128	128	155	155	181	232
Round plate Ø	77	77	77	77	77	77	102	102
Fixing bolt hole Ø	12	12	12	12	12	12	16	16
Axle fork hole Ø	8	8	8	8	10	10	12	12
Offset	40	40	42	42	44	46	52	56
Load capacity	200	200	220	220	230	250	350	400
<b>Codes</b>								
Standard / High temp	PX8040	PX8045	PX10040	PX10045	PX12545	PX15045	PX15060	PX20060
Brake version	PX8040FA	PX8045FA	PX10040FA	PX10045FA	PX12545FA	PX15045FA	PX15060FA	PX20060FA



## AISI 304 STAINLESS STEEL

### Fixed castors

	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Housing for wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 125	Ø 150	Ø 150	Ø 200
Fork width	41	47	41	47	47	47	60	60
Overall height w/wheel	110	110	131	131	158	158	184	235
Top plate size	100 x 85	135 x 110	135 x 110					
Fixing holes pattern	80 x 60	105 x 80	105 x 80					
Fixing holes Ø	9	9	9	9	9	9	11	11
Axle fork hole Ø	8	8	8	8	10	10	12	12
Load capacity	240	240	260	260	280	300	380	500
<b>Codes</b>								
Standard / High temp	FX8040	FX8045	FX10040	FX10045	FX12545	FX15045	FX15060	FX20060

# Rolling and carrying capacity

Tables showing the force required to push or pull the single wheels and the load capacity variations based on temperatures.

For each model, load and diameter, the tables indicates the required force, in Kg, to push or pull the single wheel at the constant speed of 4 Km/h on smooth floors. You can select the best option for your needs considering the type of use or application required ( frequency of use, loads, etc. ).

LTW Pag 14	100 Kg	200 Kg	300 Kg	400 Kg	500 Kg	700 Kg	900 Kg
80 mm	3.6	-	-	-	-	-	-
100 mm	3.2	5.4	8.1	-	-	-	-
125 mm	2.3	4.5	5.4	7.2	-	-	-
150 mm	0.9	2.25	5.3	7.1	9.0	9.5	-
200 mm	< 1	1.6	4.3	5.22	5.8	7.0	10.7

MTW Pag 20	100 Kg	200 Kg	300 Kg	400 Kg	500 Kg
80 mm	3.6	-	-	-	-
100 mm	3.3	7.3	-	-	-
125 mm	2.7	6.3	9.9	-	-
150 mm	1.8	4.9	8.1	-	-
200 mm	0.9	3.6	5.8	8.1	10.8

STW Pag 26	100 Kg	200 Kg	300 Kg	400 Kg	500 Kg	700 Kg	900 Kg
80 mm	3.6	-	-	-	-	-	-
100 mm	3.2	5.4	8.1	-	-	-	-
125 mm	2.3	4.5	5.4	7.2	-	-	-
150 mm	0.9	2.25	5.3	7.1	9.0	9.5	-
200 mm	< 1	1.6	4.3	5.22	5.8	7.0	10.7

RHT Pag 32	50 Kg	120 Kg	RXT Pag 38	120 Kg	120 Kg
80 mm	< 1	-	100 mm	3.5	3.5
100 mm	< 1	3.5			

XTW Pag 44	100 Kg	200 Kg	300 Kg	400 Kg	500 Kg
100 mm	3.3	7.3	8.5	-	-
200 mm	0.9	3.6	5.8	8.1	10.8

DNAMIC Pag 50	100 Kg	200 Kg	300 Kg	400 Kg	500 Kg	700 Kg
80 mm	3.9	6.7	-	-	-	-
100 mm	2.0	4.4	7.6	-	-	-
125 mm	1.1	3.5	6.1	-	-	-
150 mm	< 1	2.8	5.4	7.0	8.9	-
200 mm	< 1	< 1	2.6	4.8	8.1	13.8

DFLEX Pag 56	100 Kg	200 Kg	300 Kg	400 Kg	500 Kg	700 Kg
80 mm	4.0	6.8	-	-	-	-
100 mm	2.0	4.5	7.7	-	-	-
125 mm	1.1	3.6	6.1	-	-	-
150 mm	< 1	2.9	5.4	7.1	9.1	-
200 mm	< 1	< 1	2.7	4.9	8.3	14.0

POLYD Pag 62	100 Kg	200 Kg	300 Kg	400 Kg	500 Kg	700 Kg
80 mm	3.6	6.1	-	-	-	-
100 mm	3.1	5.4	8.1	-	-	-
125 mm	2.3	4.5	5.4	7.2	-	-
150 mm	< 1	2.3	5.4	7.1	9.0	12.5
200 mm	< 1	1.6	4.2	5.2	5.9	7.0

ACW Pag 68	100 Kg	200 Kg
100 mm	2.2	4.8
125 mm	1.3	3.8

For each model, the table indicates the percentage variation of the load capacity upon variation of the temperature. You can select the best option for your needs considering the type of use or application required.

Temperatures	-70° C -94° F	-40° C -40° F	-20° C -4° F	0° C 32° F	20° C 68° F	80° C 176° F	150° C 302° F	260° C 500° F	280° C 536° F	300° C 572° F	400° C 752° F
Ditherm LTW	-	80%	100%	100%	100%	100%	100%	-	-	-	-
Ditherm MTW	-	60%	100%	100%	100%	100%	100%	100%	100%	80%	-
Ditherm STW	60%	90%	100%	100%	100%	100%	100%	100%	100%	-	-
Ditherm XTW	-	80%	100%	100%	100%	100%	100%	100%	100%	100%	70%
Ditherm RHT	-	60%	70%	100%	100%	100%	100%	80%	-	-	-
Ditherm RXT	-	60%	70%	100%	100%	100%	100%	100%	80%	70%	-
DNAMIC	-	60%	100%	100%	100%	85%	-	-	-	-	-
DFLEX	-	60%	100%	100%	100%	85%	-	-	-	-	-
POLYD	-	55%	100%	100%	100%	80%	-	-	-	-	-
ACW	-	50%	100%	100%	100%	70%					

# Accessories and spare parts

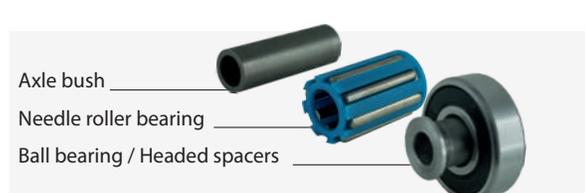
Accessories and spare parts for the correct assembly.

Code	Description as on tables	Extended description	Dimension ( mm )
BSX10842	Axle bush	Stainless Steel axle tube	10 x 8 x 42.2
BSX12847	Axle bush	Stainless Steel axle tube	10 x 8 x 46.2
BSX12841	Axle bush	Stainless Steel axle tube	12 x 8 x 41.2
BSX12847	Axle bush	Stainless Steel axle tube	12 x 8 x 46.2
BSX151047	Axle bush	Stainless Steel axle tube	15 x 10 x 46.2
BSX201260	Axle bush	Stainless Steel axle tube	20 x 12 x 60.2
BSX12841BB	Axle bush x ball bearing	Calibrated Stainless Steel axle tube for ball bearings	12 x 8 x 41.2
BR12841	BR Coated bush Ø 12	Stainless Steel axle coated in *HQS self-lube compound	12 x 8 x 41.2
BR151047	BR Coated bush Ø 15	Stainless Steel axle coated in *HQS self-lube compound	15 x 10 x 46.2
BT1210	BT selflube bushes Ø 12	"T" shaped bush made in *HQS self-lube compound	18 x 12 x 10
BT1512	BT selflube bushes Ø 15	"T" shaped bush made in *HQS self-lube compound	22 x 15,8 x 12.2
BTZ1208	Headed spacers Ø 12 zinc	Headed spacer made in glvanized steel	11.9 x 23 x 3
BTZ1510	Headed spacers Ø 15 zinc	Headed spacer made in glvanized steel	14.9 x 23 x 3
BTZ2012	Headed spacers Ø 20 zinc	Headed spacer made in glvanized steel	19.9 x 30 x 5
BTX1208	Headed spacers Ø 12 Inox	Headed spacer made in Stainless Steel	11.9 x 23 x 3
BTX1510	Headed spacers Ø 15 Inox	Headed spacer made in Stainless Steel	14.9 x 23 x 3
BTX2012	Headed spacers Ø 20 Inox	Headed spacer made in Stainless Steel	19.9 x 30 x 5
ZR122035	Roller bearing Ø 12 x 35	Needle roller bearing with galvanized steel rollers	12 x 20 x 35
ZR122040	Roller bearing Ø 12 x 40	Needle roller bearing with galvanized steel rollers	12 x 20 x 40
ZR152540	Roller bearing Ø 15 x 40	Needle roller bearing with galvanized steel rollers	15 x 25 x 40
ZR203250	Roller bearing Ø 20 x 50	Needle roller bearing with galvanized steel rollers	20 x 32 x 50
SR122035	Inox Roller bearing Ø 12 x 35	Needle roller bearing with Stainless Steel rollers	12 x 20 x 34.5
SR122040	Inox Roller bearing Ø 12 x 40	Needle roller bearing with Stainless Steel rollers	12 x 20 x 40
SR152540	Inox Roller bearing Ø 15 x 40	Needle roller bearing with Stainless Steel rollers	15 x 25 x 40
SR203250	Inox Roller bearing Ø 20 x 50	Needle roller bearing with Stainless Steel rollers	20 x 32 x 50
HTBB12	HT ball bearings	Special ball bearing for high temperatures	34x10x12
BB12	Ball bearing Ø 12	Double sealed ball bearing type 6201	32 x 10 x 12
BB15	Ball bearing Ø 15	Double sealed ball bearing type 6202	35 x 11 x 15
BB20	Ball bearing Ø 20	Double sealed ball bearing type 6204	47 x 14 x 20

\* HQS is a self-lubricating compound exclusively produced by DC, assuring a superior mechanical and temperature resistance in comparison to the standard teflon ( PTFE ) commonly used for other high temperature wheels.



Accessories for high / low temperature castors



Accessories for standard temperature castors

# inches - mm conversion chart

Conversion chart for a quick reference to inches dimension.

0 to 1 inch		1 to 2 inches		2 to 3 inches		3 to 4 inches		4 to 5 inches		5 to 6 inches		6 to 8 inches	
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
<b>5/16</b>	<b>8</b>	1	25,40	2	50,80	<b>3</b>	<b>76,20</b>	<b>4</b>	<b>101,60</b>	<b>5</b>	<b>127,00</b>	<b>6</b>	<b>152,40</b>
21/64	8,33	1-1/32	26,19	2-1/32	51,59	3-1/32	76,99	4-1/32	102,39	5-1/32	127,79	6-1/16	153,99
11/32	8,73	1-1/16	26,99	2-1/16	52,39	3-1/16	77,79	4-1/16	103,19	5-1/16	128,59	6-1/8	155,58
23/64	9,13	1-3/32	27,78	2-3/32	53,18	3-3/32	78,58	4-3/32	103,98	5-3/32	129,38	6-3/16	157,16
<b>3/8</b>	<b>9,53</b>	1-1/8	28,58	2-1/8	53,98	3-1/8	79,38	4-1/8	104,78	5-1/8	130,18	6-1/4	158,75
<b>25/64</b>	<b>9,92</b>	1-5/32	29,37	2-5/32	54,77	<b>3-5/32</b>	<b>80,17</b>	4-5/32	105,57	5-5/32	130,97	6-5/16	160,34
13/32	10,32	1-3/16	30,16	2-3/16	55,56	3-3/16	80,96	4-3/16	106,36	5-1/8	130,18	6-3/8	161,93
27/64	10,72	1-7/32	30,96	2-7/32	56,36	3-7/32	81,76	4-7/32	107,16	5-5/32	130,97	6-7/16	163,51
7/16	11,11	1-1/4	31,75	2-1/4	57,15	3-1/4	82,55	4-1/4	107,95	5-3/16	131,76	6-1/2	165,10
29/64	11,51	1-9/32	32,54	<b>2-9/32</b>	<b>57,94</b>	3-9/32	83,34	4-9/32	108,74	5-7/32	132,56	6-9/16	166,69
15/22	11,91	1-5/16	33,34	<b>2-5/16</b>	<b>58,74</b>	3-5/16	84,14	4-5/16	109,54	5-1/4	133,35	6-5/8	168,28
31/64	12,30	1-11/32	34,13	2-11/32	59,53	3-11/32	84,93	4-11/32	110,33	5-9/32	134,14	6-11/16	169,86
<b>1/2</b>	<b>12,70</b>	1-3/8	34,93	<b>2-3/8</b>	<b>60,33</b>	3-3/8	85,73	4-3/8	111,13	5-5/16	134,94	6-3/4	171,45
33/64	13,10	1-13/32	35,72	2-13/32	61,12	3-13/32	86,52	4-13/32	111,92	5-11/32	135,73	6-13/16	173,04
17/32	13,49	1-7/16	36,51	2-7/16	61,91	3-7/16	87,31	4-7/16	112,71	5-3/8	136,53	6-7/8	174,63
35/64	13,89	1-15/32	37,31	2-15/32	62,71	3-15/32	88,11	4-15/32	113,51	5-13/32	137,32	6-15/16	176,21
9/16	14,29	1-1/2	38,10	2-1/2	63,50	3-1/2	88,90	4-1/2	114,30	5-7/16	138,11	-----	-----
37/64	14,68	1-17/32	38,89	2-17/32	64,29	3-17/32	89,69	4-17/32	115,09	5-15/32	138,91	7	177,80
<b>19/32</b>	<b>15,08</b>	1-9/16	39,69	2-9/16	65,09	3-9/16	90,49	4-9/16	115,89	5-1/2	139,70	7-1/16	179,39
39/64	15,48	<b>1-19/32</b>	<b>40,48</b>	2-19/32	65,88	3-19/32	91,28	4-19/32	116,68	5-17/32	140,49	7-1/8	180,98
<b>5/8</b>	<b>15,88</b>	<b>1-5/8</b>	<b>41,28</b>	2-5/8	66,68	3-5/8	92,08	4-5/8	117,48	5-9/16	141,29	7-3/16	182,56
41/64	16,27	1-21/32	42,07	2-21/32	67,47	3-21/32	92,87	4-21/32	118,27	5-19/32	142,08	7-1/4	184,15
21/32	16,67	1-11/16	42,86	2-11/16	68,26	3-11/16	93,66	4-11/16	119,06	5-5/8	142,88	7-5/16	185,74
43/64	17,07	1-23/32	43,66	2-23/32	69,06	3-23/32	94,46	4-23/32	119,86	5-21/32	143,67	7-3/8	178,33
11/16	17,46	<b>1-3/4</b>	<b>44,45</b>	2-3/4	69,85	3-3/4	95,25	4-3/4	120,65	5-11/16	144,66	7-7/16	188,91
45/64	17,86	1-25/32	45,24	2-25/32	70,64	3-25/32	96,04	4-25/32	121,44	5-23/32	145,26	7-1/2	190,50
23/32	18,26	1-13/16	46,04	2-13/16	71,44	3-13/16	96,84	4-13/16	122,24	5-3/4	146,05	7-9/16	192,09
47/64	18,65	1-27/32	46,83	2-27/32	72,23	3-27/32	97,63	4-27/32	123,03	5-25/32	146,84	7-5/8	193,68
3/4	19,05	<b>1-7/8</b>	<b>47,63</b>	2-7/8	73,03	3-7/8	98,43	4-7/8	123,83	5-13/16	147,64	7-11/16	195,26
49/64	19,45	1-29/32	48,42	2-29/32	73,82	3-29/32	99,22	4-29/32	124,62	5-27/32	148,43	7-3/4	196,85
25/32	19,84	1-15/16	49,21	2-15/16	74,61	<b>3-15/16</b>	<b>100,01</b>	<b>4-15/16</b>	<b>125,41</b>	5-7/8	149,23	7-13/16	198,44
<b>51/64</b>	<b>20,24</b>	1-31/32	50,01	2-31/32	75,41	3-31/32	100,81	4-31/32	126,21	<b>5-29/32</b>	<b>150,02</b>	<b>7-7/8</b>	<b>200,03</b>
<b>13/16</b>	<b>20,64</b>									5-15/16	150,81	-----	-----
53/64	21,03									5-31/32	151,61	<b>8</b>	<b>203,20</b>
27/32	21,43												
55/64	21,83												
7/8	22,23												
57/64	22,62												
29/32	23,02												
59/64	23,42												
15/16	23,81												
61/64	24,21												
31/32	24,61												
63/64	25,00												

# Sales and deliveries

## General conditions of supply

### **Purchase order**

The purchase order implies the acceptance of the present conditions of sale, and to those reported on order confirmations, to which is not admitted exception, if not agreed in written. The orders received through auxiliary and intermediary of the commerce will be accepted upon authorization of Di Candia Srl.

### **Prices**

Di Candia Srl is not obliged to send price list updates in course of time if not differently agreed. The customer will be responsible to require eventual price variation. The prices are intended Ex Works (EXW) Di Candia Srl factory and free from extra charges, if not differently agreed in written.

### **Payments**

The payment modalities are agreed between the buyer and Di Candia Srl upon order. The lacked pick-up of the ordered goods from the buyer authorizes Di Candia Srl to the recovery of the due credit. Every shipment has to be considered independent from the others to the effects of the payment. The eventual delay in the payments of the buyer authorizes Di Candia Srl to hold any ulterior supply. Any eventual claim between the parts, also related to the guarantees concurred and accepted, will not carry any extension in the fixed terms of payment, neither the right to suspend them or to modify them, and whichever action of the buyer could not be accepted until the same will be cleared with payments. On the sums past due and not paid, is the right of Di Candia Srl to demand the payment plus the additional interests fixed by current rate increased by 3 units.

### **Packing**

The packing of the material is included in prices, but may be debited to the pure cost when differently agreed, and is not replaceable.

### **Delivery**

The delivery of the goods is always intended Ex Works (EXW) Di Candia Srl, unless differently agreed. The terms of delivery, in working days, is expressed as indicative and related to the date of order confirmation. Eventual delays in the deliveries will not authorize demands for compensation of damages from of the buyer. Delivery day means that one in which the goods leaves the warehouse of Di Candia Srl or the day in which the goods is ready to disposition of the purchaser.

### **Shipment**

The shipments are always executed on behalf and to the risk of the buyer, also in the case they come exceptionally carried under DDU terms. Di Candia Srl it does not assume any responsibility for eventual damages of the goods after that the same left the factory. In lack of precise instructions from the buyer the shipments will be carried through the most opportune way from Di Candia Srl and then debited.

### **Modifications**

Di Candia Srl can bring whichever modification to its products without prior notice to the buyer. The modifications brought subsequently to the ordering cannot give rise to any compensation.

### **Guarantees, Claims and Return of materials**

The buyer is held to verify the goods after its arrival before the use and/or whichever alteration. Eventual claims must be reported within eight days from the reception of the goods for evident defects and within eight days from the assessment for hidden defects. In any case the right to claim expire after three months from the reception of the goods. Return of goods is not accepted without authorization from Di Candia Srl. In case of error in purchase order from the buyer, the material could be replaced exclusively under DDU Di Candia Srl terms, upon authorization, and only if perfectly integral and not used in any way. In any case the credit will be agreed but with 30% deduction on the invoiced price, for expenses of reconditioning of the replaced material. The goods that will be recognized as failed will be replaced with equal one or featuring the same characteristics. The responsibility of Di Candia Srl in relation to failed products does not extend in any case beyond the replacement of the failed goods. Replacement of any component with non original ones might modify the results and will invalidate any guarantee on the product. Di Candia Srl does not assume the responsibility for eventual damages caused from an improper use or from use of not original spare parts or fittings.

### **Disputes**

In the event of disputes please refer to the following legal authority: Autorità Giudiziaria del Foro di Busto Arsizio (Va) - Italy.



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