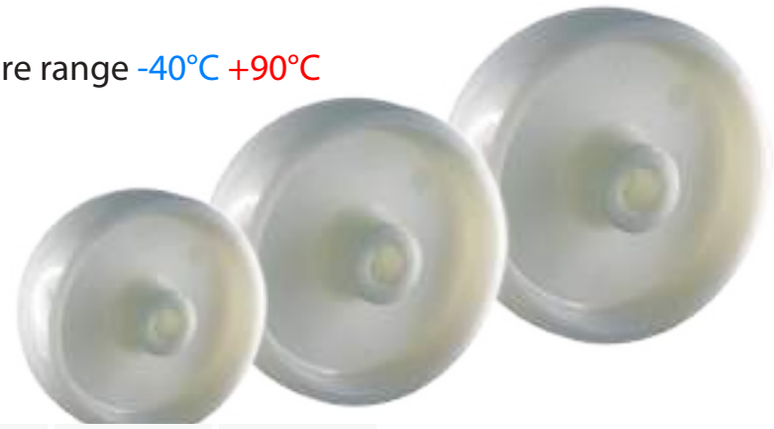
+ 90°
- 40°

POLY-D Series

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



Wheel Ø	Ø 80	Ø 80	Ø 100	Ø 100	Ø 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
	Codes				
Plain bore	NY8040	NY8045	NY10040	NY10045	NY12545
Roller bearing	NY8040R	NY8045R	NY10040R	NY10045R	NY12545R
Inox roller bearing	NY8040RX	NY8045RX	NY10040RX	NY10045RX	NY12545RX
	Axle accessories				
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

Wheel Ø	Ø 150	Ø 150	Ø 200
Tread width	40	40	50
Bore Ø	15	20	20
Hub length	45	58	58
Load capacity	550	650	750
	Codes		
Plain bore	NY15045	NY15060	NY20060
Roller bearing	NY15045R	NY15060R	NY20060R
Inox roller bearing	NY15045RX	NY15060RX	NY20060RX
	Axle accessories		
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

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POLY-D Series

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

+ 90°
- 40°

Monolithic wheels made in Polyamide 6 natural HD

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 wheels can be fitted into a specific series of brackets for which are specifically studied and produced to fulfill the ex-tremely 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.

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DITHERM LTW Series

+150°
- 40°

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

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

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

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

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+150°
- 40°

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.

Wheels for high and low temperatures 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.

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

Uses

REACH RoHS FDA

The DITHERM LTW wheels are manufactured to resist to a range of temperatures between -40°C and +150°C. They features 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.