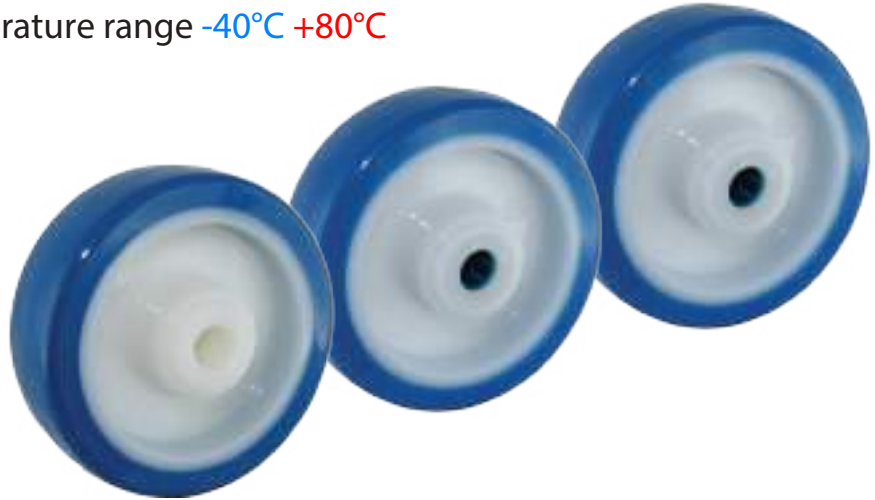




# ACW Series

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



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

## ACW Series



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.



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

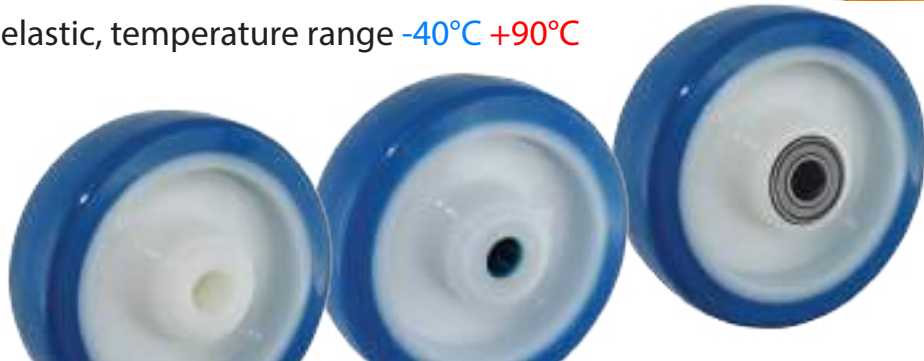
The lifetime warranty ensures the wheel against the tyre de-bonding from the Polyamide centre for the entire life of use of the wheel, when proper use requirements are fulfilled.



# D-FLEX Series



Wheel hardness 82 Shore A, elastic, 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	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

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	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



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.



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 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 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.

