



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

Codes

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

Codes

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	Ø 100	Ø 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	Ø 100	Ø 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.



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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

Wheel Ø	Ø 100	Ø 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
Codes		
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

Wheel Ø	Ø 100	Ø 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
Codes		
Plain bore	ACGX10045P	ACGX12545P
Brake version	ACGX10045PFA	ACGX12545PFA
Roller bearing	ACGX10045PRX	ACGX12545PRX
Brake version	ACGX10045PRXFA	ACGX12545PRXFA



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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

Wheel Ø	Ø 100	Ø 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

Wheel Ø	Ø 100	Ø 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.

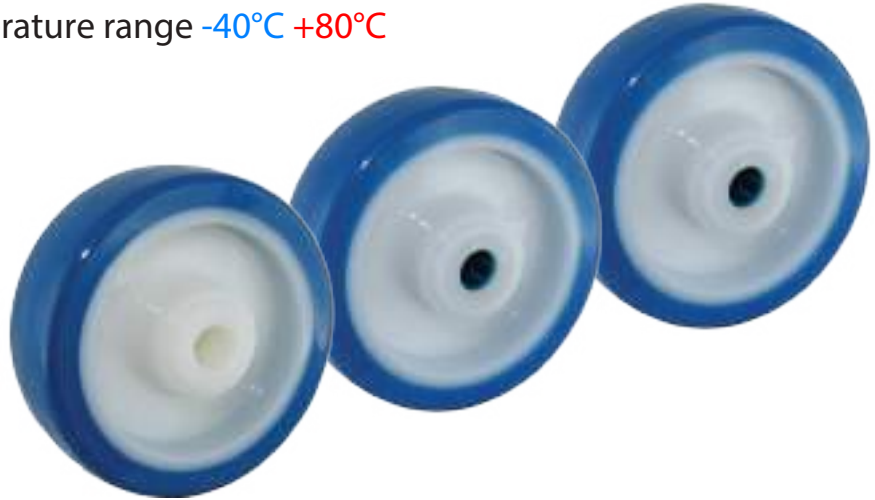


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ACW Series

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



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



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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**



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
Codes								
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

	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
Codes								
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



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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	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
Round plate Ø	108	108	128	128	155	181	181	232
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
Codes								
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	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
Codes								
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.



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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

	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
Codes								
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

	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
Codes								
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



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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
Codes								
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
Codes								
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.

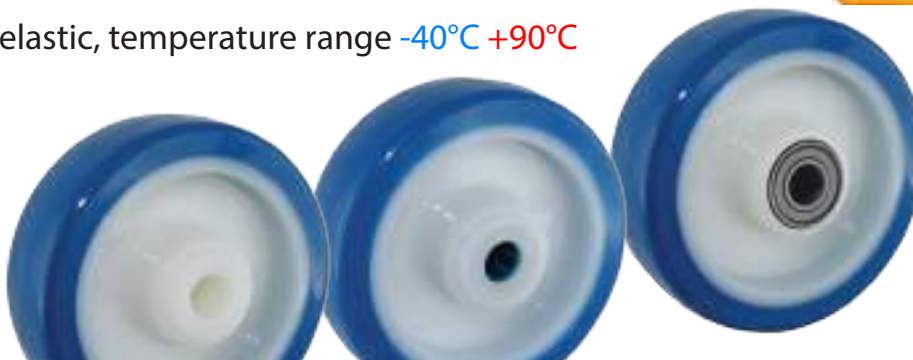


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D-FLEX Series



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
Codes								
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	-
Axle accessories								
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
Codes						
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
Axle accessories						
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.

