



Zhongshan Junyi Technology Co.,Ltd

CATALOG



**How to choose casters?**

The use of casters is to reduce labor intensity and improve work efficiency. According to the application mode, conditions and requirements (convenient, labor-saving, durable) correctly choose the caster that is suitable for your use. So here are a few things to consider:

Bearing weight

(1) Load weight calculation $T=E+Z/M$

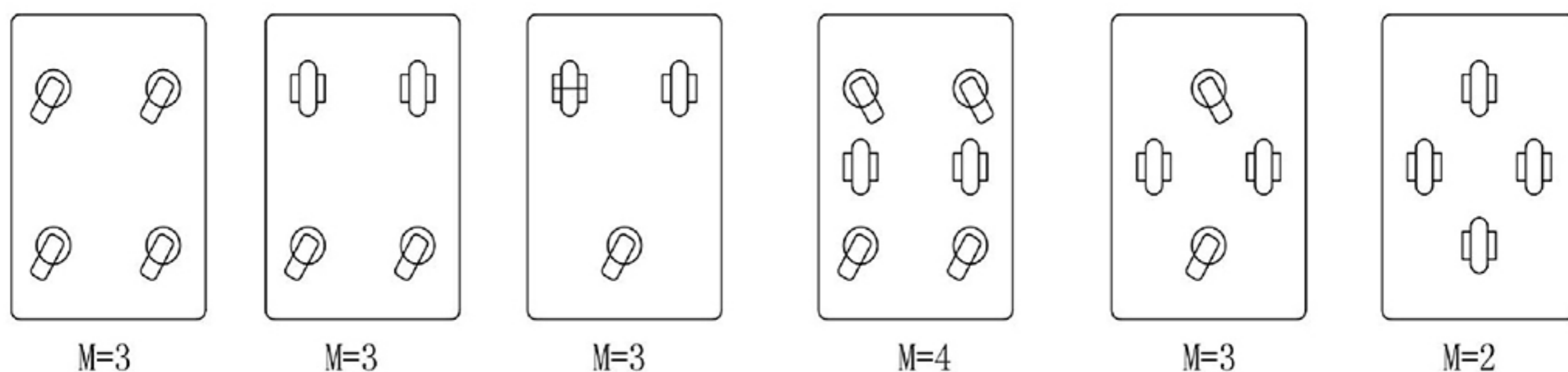
T=The weight carried by each caster

E=The weight of the vehicle

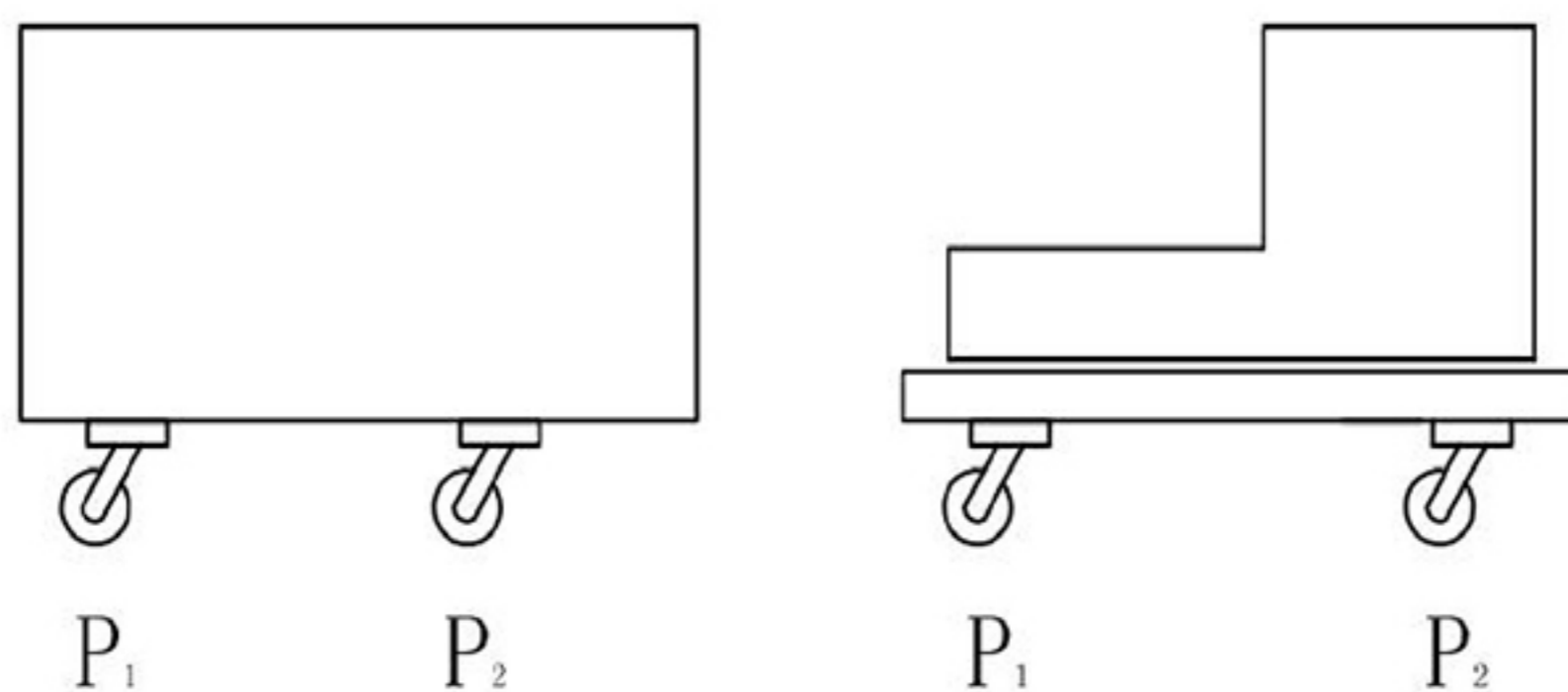
Z=The weight of the moving object

M=Effective load of the wheel (It should consider the location, weight distribution of uneven factors)

(2)The effective load capacity of the wheel (M) is shown in the figure



(3) When selecting the bearing capacity, it is calculated according to the bearing weight of the caster at the maximum support point. Figure P2 shows the maximum support point of the caster.

**flexibility**

(1) Casters are flexible, easy and durable, and their rotation parts (foot rotation, wheel rolling) should be made of materials with low friction coefficient or accessories assembled after special process treatment (such as ball bearings or quenching treatment).

(2) The greater the eccentricity of the tripod, the greater the rotation and flexibility, but the bearing capacity is correspondingly reduced.

(3) The larger the diameter of the wheel, the less effort to push and the better protection of the ground. Big wheels are slower than small wheels, less prone to heat deformation and more durable. Choose large diameter wheels as far as possible if the installation conditions permit.

Moving speed

Caster speed requirements: on the flat ground in the normal temperature environment, the walking speed is not higher than 4KM/H, and there is a certain stop.

Use environment

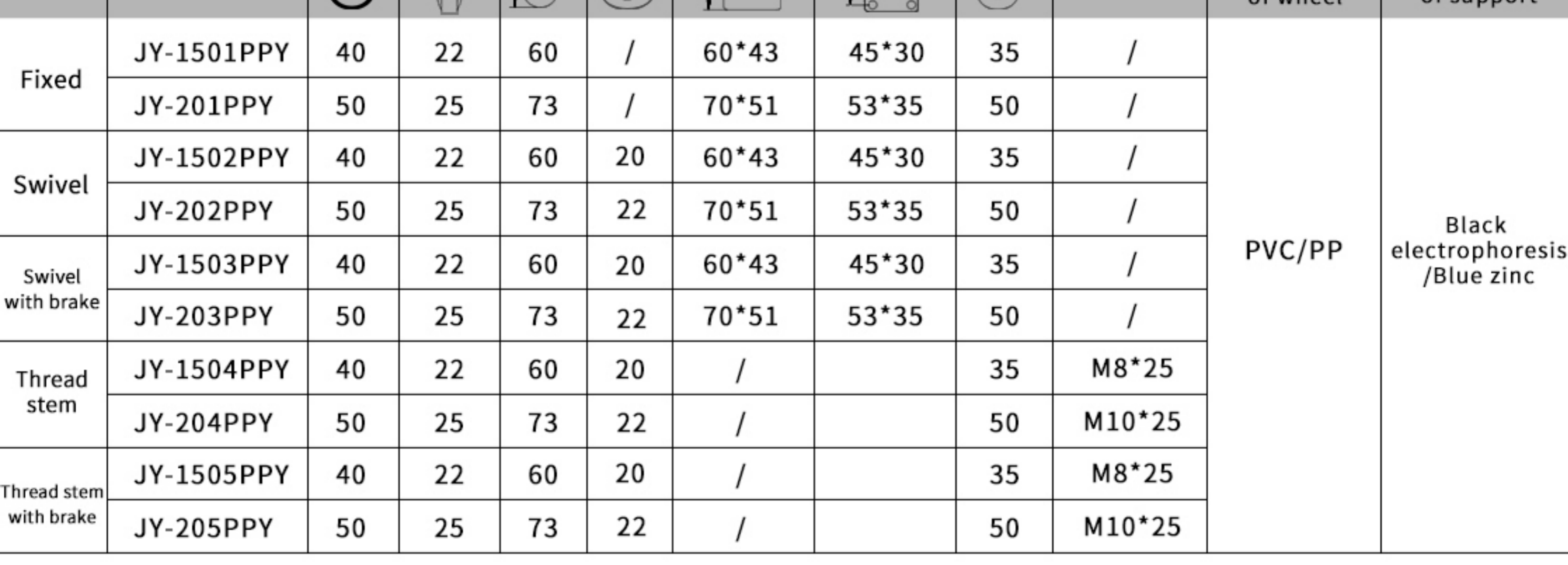
When selecting casters, consider ground materials, obstacles, residues or special environments such as: iron shavings, high temperature, low temperature, acid, alkaline, oil and chemical solvents, and places requiring antistatic electricity. Casters used in special environments should choose casters made of special materials.

Gold diamond series double bearing light PVC black caster



Function	Item								screw size	The material of wheel	The color of support
Fixed	JY-1501PB	40	22	60	/	60*43	45*30	35	/	PVC/PP/PU	Black electrophoresis /Blue zinc
	JY-201PB	50	25	73	/	70*51	53*35	50	/		
Swivel	JY-1502PB	40	22	60	20	60*43	45*30	35	/		
	JY-202PB	50	25	73	22	70*51	53*35	50	/		
Swivel with brake	JY-1503PB	40	22	60	20	60*43	45*30	35	/		
	JY-203PB	50	25	73	22	70*51	53*35	50	/		
Thread stem	JY-1504PB	40	22	60	20	/	/	35	M8*25		
	JY-204PB	50	25	73	22	/	/	50	M10*25		
Thread stem with brake	JY-1505PB	40	22	60	20	/	/	35	M8*25		
	JY-205PB	50	25	73	22	/	/	50	M10*25		

Gold diamond series double bearing light PP white caster



Function	Item								screw size	The material of wheel	The color of support
Fixed	JY-1501PPY	40	22	60	/	60*43	45*30	35	/	PVC/PP	Black electrophoresis /Blue zinc
	JY-201PPY	50	25	73	/	70*51	53*35	50	/		
Swivel	JY-1502PPY	40	22	60	20	60*43	45*30	35	/		
	JY-202PPY	50	25	73	22	70*51	53*35	50	/		
Swivel with brake	JY-1503PPY	40	22	60	20	60*43	45*30	35	/		
	JY-203PPY	50	25	73	22	70*51	53*35	50	/		
Thread stem	JY-1504PPY	40	22	60	20	/	/	35	M8*25		
	JY-204PPY	50	25	73	22	/	/	50	M10*25		
Thread stem with brake	JY-1505PPY	40	22	60	20	/	/	35	M8*25		
	JY-205PPY	50	25	73	22	/	/	50	M10*25		

Light weight rubber casters with hole topping



Function	Item								The aperture of hole topped	The material of wheel	The color of support
Plate Swivel (Hole topped)	JY-202RKG	50	19	75	22	60.5*60.5	47.5*38	40	M10	TPR	Black electrophoresis /Blue zinc
	JY-302RKG	75	24	100	23	60.5*60.5	47.5*38	70			
	JY-402RKG	100		125	25	60.5*60.5	47.5*38	70			
Plate Swivel with brake (Hole topped)	JY-203RKG	50	19	75	22	60.5*60.5	47.5*38	40			
	JY-303RKG	75	24	100	23	60.5*60.5	47.5*38	70			
	JY-403RKG	100		125	25	60.5*60.5	47.5*38	70			
Swivel (Hole topped)	JY-204RKG	50	19	75	22	/	/	40			
	JY-304RKG	75	24	100	23	/	/	70			
	JY-404RKG	100		125	25	/	/	70			
Swivel with brake (Hole topped)	JY-205RKG	50	19	75	22	/	/	40			
	JY-305RKG	75	24	100	23	/	/	70			
	JY-405RKG	100		125	25	/	/	70			

Medium PVC industrial casters



Function	Item								screw size	The material of wheel	The color of support
Fixed	JY-301PG	70	32	108	/	62*95	73*45		90	PVC	Black electrophoresis /Blue zinc
	JY-401PG	100		130	/				100		
	JY-501PG	125		155	/				130		
Swivel	JY-302PG	70		108	71				90		
	JY-402PG	100		130	87				100		
	JY-502PG	125		155	96				130		
Swivel with brake	JY-303PG	70		108	116				90		
	JY-403PG	100		130	116				100		
	JY-503PG	125		155	116				130		
Thread stem	JY-304PG	70		108	71				90		
	JY-404PG	100	130	87	100						
	JY-504PG	125	155	96	130						
Thread stem with brake	JY-305PG	70	108	116	90						
	JY-405PG	100	130	116	100						
	JY-505PG	125	155	116	130						

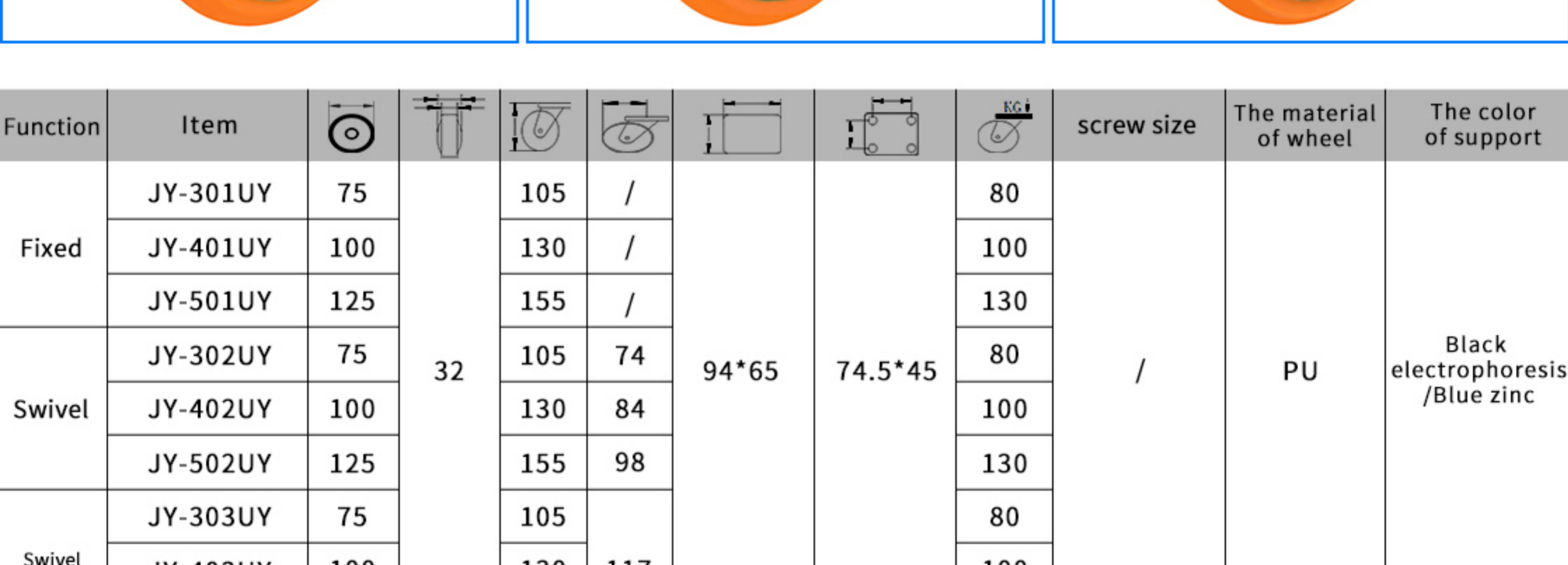
Wheel-JY-XXXXPG



Wheel-JY-XXXXPR



MEDIUM PU GREY INDUSTRIAL CASTER



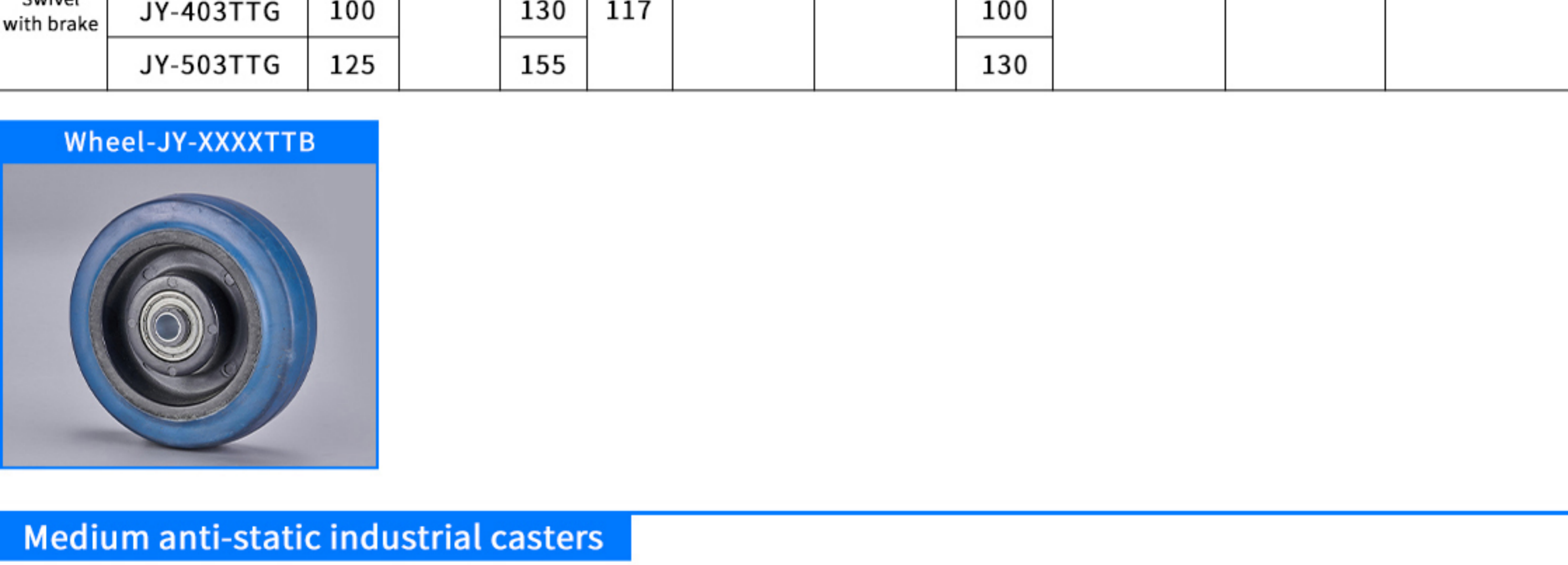
Function	Item								screw size	The material of wheel	The color of support
fixed	JY-301UG	70	32	105	/	94*65	74.5*45		80	PU	Black electrophoresis /Blue zinc
	JY-401UG	100		130	/				100		
	JY-501UG	125		155	/				130		
swivel	JY-302UG	70		105	74				80		
	JY-402UG	100		130	84				100		
	JY-502UG	125		155	98				130		
swivel with brake	JY-303UG	70		105	117				80		
	JY-403UG	100		130	117				100		
	JY-503UG	125		155	117				130		

Medium PU orange industrial caster



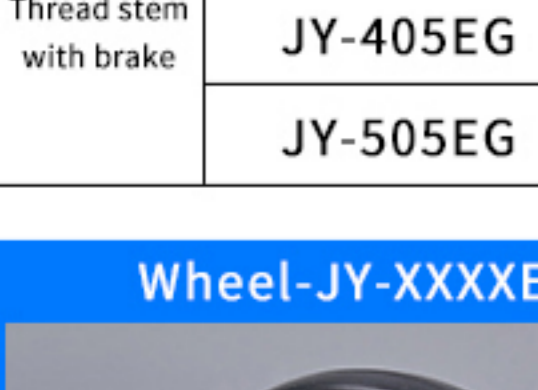
Function	Item								screw size	The material of wheel	The color of support
Fixed	JY-301UY	75	32	105	/	94*65	74.5*45		80	PU	Black electrophoresis /Blue zinc
	JY-401UY	100		130	/				100		
	JY-501UY	125		155	/				130		
Swivel	JY-302UY	75		105	74				80		
	JY-402UY	100		130	84				100		
	JY-502UY	125		155	98				130		
Swivel with brake	JY-303UY	75		105	117				80		
	JY-403UY	100		130	117				100		
	JY-503UY	125		155	117				130		

MEDIUM PU INDUSTRIAL CASTERS

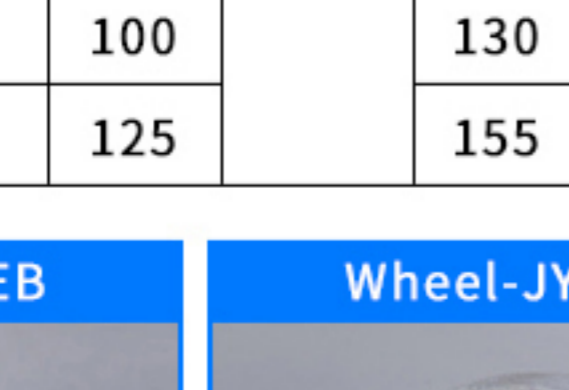


Function	Item								screw size	The material of wheel	The color of support
Fixed	JY-301UB	70	32	108	/	62*95	73*45		90	PU	Black electrophoresis /Blue zinc
	JY-401UB	100		130	/				100		
	JY-501UB	125		155	/				130		
Swivel	JY-302UB	70		108	71				90		
	JY-402UB	100		130	87				100		
	JY-502UB	125		155	96				130		
Swivel with brake	JY-303UB	70		108	116				90		
	JY-403UB	100		130	116				100		
	JY-503UB	125		155	116				130		
Thread stem	JY-304UB	70		108	71				90		
	JY-404UB	100	130	87	100						
	JY-504UB	125	155	96	130						
Thread stem with brake	JY-305UB	70	108	116	90						
	JY-405UB	100	130	116	100						
	JY-505UB	125	155	116	130						

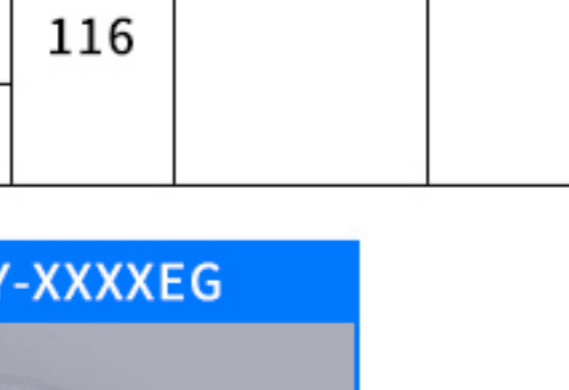
Wheel-JY-XXXXUR



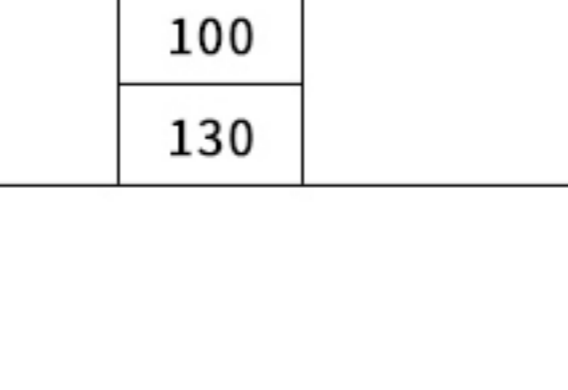
Wheel-JY-XXXXUB



Wheel-JY-XXXXTUR



Wheel-JY-XXXXTUY



Medium PU industrial casters



Function	Item								screw size	The material of wheel	The color of support
Fixed	JY-301TTG	75	32	105	/	94*65	74.5*45		80	Elastic rubber	Black electrophoresis /Blue zinc
	JY-401TTG	100		130	/				100		
	JY-501TTG	125		155	/				130		
Swivel	JY-302TTG	75		105	74				80		
	JY-402TTG	100		130	84				100		
	JY-502TTG	125		155	98				130		
Swivel with brake	JY-303TTG	75		105	117				80		
	JY-403TTG	100		130	117				100		
	JY-503TTG	125		155	117				130		

Wheel-JY-XXXXTB

Medium anti-static industrial casters

Function	Item								screw size	The material of wheel	Ω
Fixed	JY-301EG	70	32	108	/	62*95	73*45		90	ESD rubber	10 (6*-9^*) anti-static 10 (3*-6^*) Conductive
	JY-401EG	100		130	/				100		
	JY-501EG	125		155	/				130		
Swivel	JY-302EG	70		108	71				90		
	JY-402EG	100		130	87				100		
	JY-502EG	125		155	96				130		
Swivel with brake	JY-303EG	70		108	116				90		
	JY-403EG	100		130	116				100		
	JY-503EG	125		155	116				130		
Thread stem	JY-304EG	70		108	71				90		
	JY-404EG	100	130	87	100						
	JY-504EG	125	155	96	130						
Thread stem with brake	JY-305EG	70	108	116	90						
	JY-405EG	100	130	116	100						
	JY-505EG	125	155	116	130						

Wheel-JY-XXXXEB

Wheel-JY-XXXXEG

Heavy duty welded aluminum core round red PU caster

JY-401UR-T			JY-402UR-T			JY-403UR-T								
Function	Item							Bearing	The material of wheel	The core of wheel	The color of support			
Fixed	JY-301UY	100	50	142	/	115*100	92*76 76*67	Double ball bearing	polyurethane	aluminium alloy		Black electrophoresis /Blue zinc		
	JY-401UY	125		165	/									250
	JY-501UY	150		190	/									400
	JY-501UY	200		240	/									550
Swivel	JY-301UY	100	142	86	250									
	JY-401UY	125	165	103	400									
	JY-501UY	150	190	122	550									
	JY-501UY	200	240	151	600									
swivel with brake	JY-301UY	100	142	135	250									
	JY-401UY	125	165	135	400									
	JY-501UY	150	190	162	550									
	JY-501UY	200	240	162	600									

Heavy duty welded nylon core round orange PU caster

JY-401UY-T			JY-402UY-T			JY-403UY-T								
Function	Item							Bearing	The material of wheel	The core of wheel	The color of support			
Fixed	JY-301UY-T	100	50	142	/	115*100	92*76 76*67	Double ball bearing	polyurethane	PA		Black electrophoresis /Blue zinc		
	JY-401UY-T	125		165	/									220
	JY-501UY-T	150		190	/									240
	JY-501UY-T	200		240	/									310
Swivel	JY-301UY-T	100	142	86	220									
	JY-401UY-T	125	165	103	240									
	JY-501UY-T	150	190	122	310									
	JY-501UY-T	200	240	151	370									
swivel with brake	JY-301UY-T	100	142	135	220									
	JY-401UY-T	125	165	135	240									
	JY-501UY-T	150	190	162	310									
	JY-501UY-T	200	240	162	370									

Heavy duty welded aluminum core flat red PU caster

JY-401UR-P			JY-402UR-P			JY-403UR-P								
Function	Item							Bearing	The material of wheel	The core of wheel	The color of support			
Fixed	JY-401UR-P	100	50	142	/	115*100	92*76 76*67	Double ball bearing	PU	aluminium alloy		Black electrophoresis /Blue zinc		
	JY-501UR-P	125		165	/									250
	JY-601UR-P	150		190	/									400
	JY-701UR-P	200		240	/									550
Swivel	JY-402UR-P	100	142	86	250									
	JY-502UR-P	125	165	103	400									
	JY-602UR-P	150	190	122	550									
	JY-702UR-P	200	240	151	600									
swivel with brake	JY-403UR-P	100	142	135	250									
	JY-503UR-P	125	165	135	400									
	JY-603UR-P	150	190	162	550									
	JY-703UR-P	200	240	162	600									

Heavy duty welded iron core flat red PU caster

JY-401TUR-T			JY-402TUR-T			JY-403TUR-T								
Function	Item							Bearing	The material of wheel	The core of wheel	The color of support			
Fixed	JY-401TUR-T	100	50	142	/	115*100	92*76 76*67	Double ball bearing	PU	cast iron		Black electrophoresis /Blue zinc		
	JY-501TUR-T	125		165	/									142
	JY-601TUR-T	150		190	/									165
	JY-701TUR-T	200		240	/									190
Swivel	JY-402TUR-T	100	142	86	142									
	JY-502TUR-T	125	165	103	165									
	JY-602TUR-T	150	190	122	190									
	JY-702TUR-T	200	240	151	240									
swivel with brake	JY-403TUR-T	100	142	135	142									
	JY-503TUR-T	125	165	135	165									
	JY-603TUR-T	150	190	162	190									
	JY-703TUR-T	200	240	162	240									

Heavy duty welded aluminum core flat black rubber caster

JY-401LXB-T			JY-402LXB-T			JY-403LXB-T								
Function	Item							Bearing	The material of wheel	The core of wheel	The color of support			
Fixed	JY-401LXB-T	100	50	142	/	115*100	92*76 76*67	Double ball bearing	rubber	aluminium alloy		Black electrophoresis /Blue zinc		
	JY-501LXB-T	125		165	/									280
	JY-601LXB-T	150		190	/									350
	JY-701LXB-T	200		240	/									400
Swivel	JY-402LXB-T	100	142	86	280									
	JY-502LXB-T	125	165	103	350									
	JY-602LXB-T	150	190	122	400									
	JY-702LXB-T	200	240	151	450									
swivel with brake	JY-403LXB-T	100	142	135	280									
	JY-503LXB-T	125	165	135	350									
	JY-603LXB-T	150	190	162	400									
	JY-703LXB-T	200	240	162	450									

Heavy duty welded grey rubber casters

JY-401TTG-T			JY-402TTG-T			JY-403TTG-T								
Function	Item							Bearing	The material of wheel	The core of wheel	The color of support			
Fixed	JY-401TTG-T	100	50	142	/	115*100	92*76 76*67	Double ball bearing	rubber	PP		Black electrophoresis /Blue zinc		
	JY-501TTG-T	125		165	/									200
	JY-601TTG-T	150		190	/									250
	JY-701TTG-T	200		240	/									300
Swivel	JY-402TTG-T	100	142	86	200									
	JY-502TTG-T	125	165	103	250									
	JY-602TTG-T	150	190	122	300									
	JY-702TTG-T	200	240	151	350									
swivel with brake	JY-403TTG-T	100	142	135	200									
	JY-503TTG-T	125	165	135	250									
	JY-603TTG-T	150	190	162	300									
	JY-703TTG-T	200	240	162	350									

Heavy duty welded white cast nylon casters

JY-401PAW-T			JY-402PAW-T			JY-403PAW-T								
Function	Item							Bearing	The material of wheel	The core of wheel	The color of support			
Fixed	JY-401PAW-T	100	50	142	/	115*100	92*76 76*67	Double ball bearing	PA	PA		Black electrophoresis /Blue zinc		
	JY-501PAW-T	125		165	/									350
	JY-601PAW-T	150		190	/									400
	JY-701PAW-T	200		240	/									550
Swivel	JY-402PAW-T	100	142	86	350									
	JY-502PAW-T	125	165	103	400									
	JY-602PAW-T	150	190	122	550									
	JY-702PAW-T	200	240	151	600									
swivel with brake	JY-403PAW-T	100	142	135	350									
	JY-503PAW-T	125	165	135	400									
	JY-603PAW-T	150	190	162	550									
	JY-703PAW-T	200	240	162	600									

Heavy duty welded black cast nylon casters

JY-401PAB-T			JY-402PAB-T			JY-403PAB-T								
Function	Item							Bearing	The material of wheel	The core of wheel	The color of support			
Fixed	JY-401PAB-T	100	50	142	/	115*100	92*76 76*67	Double ball bearing	PA	PA		Black electrophoresis /Blue zinc		
	JY-501PAB-T	125		165	/									350
	JY-601PAB-T	150		190	/									400
	JY-701PAB-T	200		240	/									550
Swivel	JY-402PAB-T	100	142	86	350									
	JY-502PAB-T	125	165	103	400									
	JY-602PAB-T	150	190	122	550									
	JY-702PAB-T	200	240	151	600									
swivel with brake	JY-403PAB-T	100	142	135	350									
	JY-503PAB-T	125	165	135	400									
	JY-603PAB-T	150	190	162	550									
	JY-703PAB-T	200	240	162	600									

Heavy duty welded shock-proof aluminum core rubber casters

JY-401LXB-FT			JY-402LXB-FT			JY-403LXB-FT								
Function	Item							Bearing	The material of wheel	The core of wheel	The color of support			
Fixed	JY-401LXB-FT	125	50	142	/	115*100	92*76 76*67	Double ball bearing	Rubber	PP		Black electrophoresis /Blue zinc		
	JY-501LXB-FT	150		165	/									350
	JY-601LXB-FT	200		190	/									400
Swivel	JY-402LXB-FT	125	142	112	350									
	JY-502LXB-FT	150	165	128	400									
	JY-602LXB-FT	200	190	155	550									
swivel with brake	JY-403LXB-FT	125	142	162	350									
	JY-503LXB-FT	150	165	171	400									
	JY-603LXB-FT	200	190	195	550									



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