



**UTP**



**RUOTE IN POLIPROPILENE O POLIAMMIDE**

**polypropilene or polyamide wheels**



**4** CLASSE  
CLASS

**2013**

CATALOGO CATALOGUE



**RUOTE IN POLIPROPILENE O POLIAMMIDE**  
**polypropilene or polyamide wheels**



## **IGIENICITA' UNITA ALLA DURATA NEL TEMPO**

Ruote realizzate con struttura portante monolitica in polipropilene antiurto o poliammide 6 ad alta densità.

Buona resistenza agli aggressivi chimici e all'abrasione.

Impiego prevalente per carrelli. Ottima igienicità, durata nel tempo.

Consigliate per mezzi a trazione manuale.

## **THE HIGH STANDARD OF HYGIENE AND LONG LASTING**

*Impact-resistant polypropylene or high-density polyamide 6 wheels.*

*Good resistance to chemicals and to abrasion.*

*Widely applied on trolleys. Ideal for the high standard of hygiene and long lasting.*

*Recommended for hand pushed systems.*

**AZIENDA CERTIFICATA DAL  
CERTIFIED SINCE 2000**



ISO 9001 - Cert. n° 1679



# **RUOTE IN POLIPROPILENE O POLIAMMIDE** **polypropilene or polyamide wheels**





ASSEMBLAGGIO STANDARD CON SUPPORTI SERIE: *standard assembling with the following serie housings:*



80-200  
80-205

**Serie PP** - RUOTE A STRUTTURA MONOLITICA IN POLIPROPILENE  
- *polypropylene wheels*



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80-200	100-250	60-200	100-250	100-250	80-200	125-250	125-250	60-125
120-300	350-500	200-750	350-1000	600-1000	150-1100	500-1300	500-1300	150-300

**Serie NN** - RUOTE A STRUTTURA MONOLITICA IN POLIAMMIDE  
- *polyamide wheels*



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## ruote a struttura monolitica in polipropilene polypropylene wheels



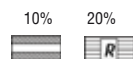
### componenti ruota - caratteristiche

- Struttura portante in polipropilene antiurto colore naturale.
- Movimento mozzo: alesaggio passante. gabbia a rulli.
- Temperatura d'impiego da -15°C a +40°C.
- Buona resistenza agli aggressivi chimici.
- Buona resistenza all'abrasione.
- Velocità massima di lavoro 4 km/h.
- Mezzo di trazione consigliato: manuale.

### wheel components - features

- White shock resistant polypropylene wheel.
- Type of bearing: plain bearing. roller bearing.
- Temperature range: from -15°C to +40°C.
- Good resistance to chemicals.
- Good resistance to abrasion.
- Max. working speed 4 KPH.
- Operation: manual.

indice di utilizzo utilization index



### caratteristiche di base, modalità d'impiego main features, applications



80x30	OPPA080012	12x40	80		
100x35	OPPA100012	12x40	100	OPPR100012	12x40 120
125x40	OPPA125015	15x46	130	OPPR125015	15x46 150
150x40	OPPA150015	15x46	140		
150x40	OPPA150A20	20x60	150		
200x50	OPPA200020	20x60	205		

### varianti - accessori options - accessories



Movimento mozzo:  
gabbia a rulli inox  
Type of bearing:  
stainless steel  
roller bearing



Parafili lega leggera  
Lightmetal thread guards



PB

## girevole piastra / swivel castor

standard duty



80x30	105x85	80x60	9x16	38	108	1PPA0800GR0	80		
100x35	105x85	80x60	9x16	38	128	1PPA1000GR0	100	1PPR1000GR0	120
125x40	105x85	80x60	9x16	45	155	1PPA1250GR0	130	1PPR1250GR0	150
150x40	105x85	80x60	9x16	45	183	1PPA1500GR0	140		
150x40	135x110	105x80	11x16	55	194	1PPA150AGR0	150		
200x50	135x110	105x80	11x16	55	239	1PPA2000GR0	205		

## girevole piastra freno pedale anteriore / swivel castor with front foot lever brake

standard duty



80x30	105x85	80x60	9x16	38	108	120	1PPA0800GRD	80	
100x35	105x85	80x60	9x16	38	128	120	1PPA1000GRD	100	1PPR1000GRD 120
125x40	105x85	80x60	9x16	45	155	120	1PPA1250GRD	130	1PPR1250GRD 150
150x40	105x85	80x60	9x16	45	183	120	1PPA1500GRD	140	
150x40	135x110	105x80	11x16	55	194	146	1PPA150AGR0	150	
200x50	135x110	105x80	11x16	55	239	146	1PPA2000GRD	205	

## girevole foro per vite / bolt hole castor

standard duty



80x30	12	77		38	104	1PPA0800QR0	80		
100x35	12	77		38	124	1PPA1000QR0	100	1PPR1000QR0	120
125x40	12	77		45	151	1PPA1250QR0	130	1PPR1250QR0	150
150x40	12	77		45	179	1PPA1500QR0	140		
150x40	16	103		55	188	1PPA150AQR0	150		
200x50	16	103		55	233	1PPA2000QR0	205		

## girevole foro per vite freno pedale anteriore / bolt hole castor with front foot lever brake

standard duty



80x30	12	77		38	104	120	1PPA0800QRD	80	
100x35	12	77		38	124	120	1PPA1000QRD	100	1PPR1000QRD 120
125x40	12	77		45	151	120	1PPA1250QRD	130	1PPR1250QRD 150
150x40	12	77		45	179	120	1PPA1500QRD	140	
150x40	16	103		55	188	146	1PPA150AQRD	150	
200x50	16	103		55	233	146	1PPA2000QRD	205	

## girevole codolo cilindrico/stem castor

standard duty

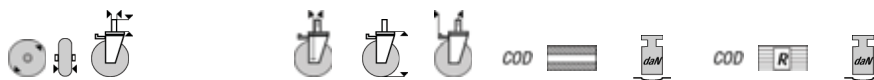


80x30	20x50			38	104	1PPA0800CI0	80		
100x35	20x50			38	124	1PPA1000CI0	100	1PPR1000CI0	120
125x40	22x50			45	151	1PPA1250CI0	130	1PPR1250CI0	150
150x40	22x50			45	179	1PPA1500CI0	140		
150x40	27x60			55	188	1PPA150ACI0	150		
200x50	27x60			55	233	1PPA2000CI0	205		



## girevole codolo cilindrico freno pedale anteriore/stem castor with front foot lever brake

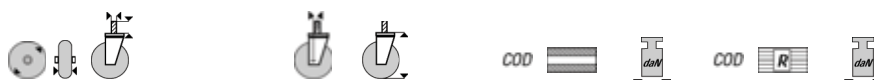
standard duty



80x30	20x50	38	104	120	1PPA0800CID	80		
100x35	20x50	38	124	120	1PPA1000CID	100	1PPR1000CID	120
125x40	22x50	45	151	120	1PPA1250CID	130	1PPR1250CID	150
150x40	22x50	45	179	120	1PPA1500CID	140		
150x40	27x60	55	188	146	1PPA150ACID	150		
200x50	27x60	55	233	146	1PPA2000CID	205		

## girevole codolo filettato / threaded stem castor

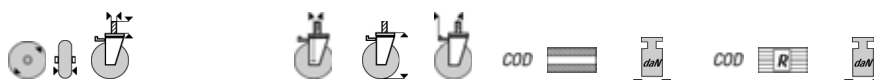
standard duty



80x30	M12x35	38	104		1PPA0800VIO	80		
100x35	M12x35	38	124		1PPA1000VIO	100	1PPR1000VIO	120
125x40	M12x35	45	151		1PPA1250VIO	130	1PPR1250VIO	150
150x40	M12x35	45	179		1PPA1500VIO	140		
150x40	M16x50	55	188		1PPA150AVIO	150		
200x50	M16x50	55	233		1PPA2000VIO	205		

## girevole codolo filettato freno pedale anteriore / threaded stem castor with front foot lever brake

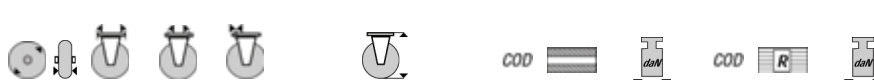
standard duty



80x30	M12x35	38	104	120	1PPA0800VID	80		
100x35	M12x35	38	124	120	1PPA1000VID	100	1PPR1000VID	120
125x40	M12x35	45	151	120	1PPA1250VID	130	1PPR1250VID	150
150x40	M12x35	45	179	120	1PPA1500VID	140		
150x40	M16x50	55	188	146	1PPA150AVID	150		
200x50	M16x50	55	233	146	1PPA2000VID	205		

## fisso piastra / fixed castor

standard duty



80x30	105x85	80x60	9x16	108	1PPA0800FIO	80		
100x35	105x85	80x60	9x16	128	1PPA1000FIO	100	1PPR1000FIO	120
125x40	105x85	80x60	9x16	155	1PPA1250FIO	130	1PPR1250FIO	150
150x40	105x85	80x60	9x16	183	1PPA1500FIO	140		
150x40	135x110	105x80	11x16	194	1PPA150AFIO	150		
200x50	135x110	105x80	11x16	239	1PPA2000FIO	205		

## pesi weights

COD COD COD

	OPPA080012	0,06		
	OPPA100012	0,10	OPPR100012	0,13
	OPPA125015	0,18	OPPR125015	0,21
	OPPA150015	0,28		
	OPPA150A20	0,32		
	OPPA200020	0,55		
	1PPA0800GR0	0,63		
	1PPA1000GR0	0,70	1PPR1000GR0	0,73
	1PPA1250GR0	0,93	1PPR1250GR0	0,96
	1PPA1500GR0	1,05		
	1PPA150AGR0	1,82		
	1PPA2000GR0	2,13		
	1PPA0800C10	0,67		
	1PPA1000C10	0,74	1PPR1000C10	0,77
	1PPA1250C10	1,00	1PPR1250C10	1,02
	1PPA1500C10	1,11		
	1PPA150AC10	1,70		
	1PPA2000C10	2,01		
	1PPA0800GRD	0,76		
	1PPA1000GRD	0,83	1PPR1000GRD	0,86
	1PPA1250GRD	1,08	1PPR1250GRD	1,11
	1PPA1500GRD	1,20		
	1PPA150AGR0	2,06		
	1PPA2000GRD	2,37		
	1PPA0800C1D	0,80		
	1PPA1000C1D	0,87	1PPR1000C1D	0,90
	1PPA1250C1D	1,15	1PPR1250C1D	1,18
	1PPA1500C1D	1,26		
	1PPA150AC1D	1,94		
	1PPA2000C1D	2,25		
	1PPA0800V10	0,59		
	1PPA1000V10	0,66	1PPR1000V10	0,69
	1PPA1250V10	0,89	1PPR1250V10	0,92
	1PPA1500V10	1,01		
	1PPA150AV10	1,65		
	1PPA2000V10	1,96		

SERIE COD COD COD

	1PPA0800QR0	0,52		
	1PPA1000QR0	0,59	1PPR1000QR0	0,62
	1PPA1250QR0	0,82	1PPR1250QR0	0,85
	1PPA1500QR0	0,94		
	1PPA150AQR0	1,48		
	1PPA2000QR0	1,82		
	1PPA0800V1D	0,72		
	1PPA1000V1D	0,79	1PPR1000V1D	0,82
	1PPA1250V1D	1,04	1PPR1250V1D	1,07
	1PPA1500V1D	1,16		
	1PPA150AV1D	1,89		
	1PPA2000V1D	2,20		
	1PPA0800QRD	0,65		
	1PPA1000QRD	0,72	1PPR1000QRD	0,75
	1PPA1250QRD	0,97	1PPR1250QRD	1,00
	1PPA1500QRD	1,09		
	1PPA150AQRD	1,72		
	1PPA2000QRD	2,06		
	1PPA0800F10	0,36		
	1PPA1000F10	0,45	1PPR1000F10	0,48
	1PPA1250F10	0,65	1PPR1250F10	0,68
	1PPA1500F10	0,80		
	1PPA150AF10	1,42		
	1PPA2000F10	1,78		

## ruote a struttura monolitica in poliammide Polyamide wheels



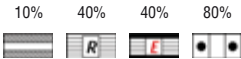
### componenti ruota - caratteristiche

- Struttura portante in poliammide 6 ad alta densità
- Movimento mozzo: alesaggio passante, gabbia a rulli.
- gabbia a rulli con pista di scorrimento in acciaio.
- doppi cuscinetti a sfera.
- Temperatura d'impiego da -15°C a +80°C.
- Buona resistenza agli aggressivi chimici.
- Buona resistenza all'abrasione.
- Velocità massima di lavoro 4 km/h.
- Mezzo di trazione consigliato: manuale.

### wheel components - features

- White high density polyamide 6 wheel.
- Type of bearing: plain bearing, roller bearing, roller bearing with steel tube, ball bearings
- Temperature range: from -15°C to +80°C.
- Good resistance to chemicals.
- Good resistance to abrasion.
- Max. working speed 4 KPH.
- Operation: manual.

indice di utilizzo utilization index



### caratteristiche di base, modalità d'impiego main features, applications



* 60x34	ONNA060A15	15x36	200																
80x30	ONNA080012	12x40	150	ONNR080012	12x40	150													
80x35				ONNE080A12	12x40	200													
100x35	ONNA100012	12x40	200	ONNR100012	12x40	200													
100x40	ONNA100A15	15x46	250	ONNE100A15	15x46	250													
100x45	ONNA100B20	20x60	350	ONNE100B20	20x60	350													
100x50										ONNK100B20	20x61	40	400	ONNL100B47D	47x17-46				
125x40	ONNA125015	15x46	300	ONNR125015	15x46	300				ONNK100C20	20x61	50	600	ONNL100C47D	47x17-57				
125x45	ONNA125B20	20x60	500	ONNE125B20	20x60	500				ONNK125B20	20x61	40	700	ONNL125B47D	47x17-46				
125x50										ONNK125C20	20x61	50	900	ONNL125C47D	47x17-57				
150x40	ONNA150015	15x46	400	ONNR150015	15x46	400													
150x40	ONNA150A20	20x60	400																
150x50	ONNA150B20	20x60	700	ONNE150B20	20x60	500				ONNK150B20	20x61	40	900	ONNL150B47D	47x17-46				
150x50										ONNK150C20	20x61	50	1100	ONNL150C47D	47x17-57				
175x50	ONNA175020	20x60	600							ONNK175020	20x61	50	700	ONNL175047D	47x17-57				
175x50				ONNE175A20	20x60	600													
200x50	ONNA200020	20x60	500																
200x50	ONNA200A20	20x60	800	ONNE200A20	20x60	800				ONNK200A20	20x61	40	1000	ONNL200A47D	47x17-46				
200x50										ONNK200A25	25x61	40	1000	ONNL200A47D	47x17-46				
200x50										ONNK200B25	25x61	50	1250	ONNL200B52A	52x18-57				
250x50	ONNA250A25	25x60	1200							ONNK250A25	25x61	50	1250	ONNL250A52B	52x18,5-57				
250x60										ONNK250025	25x76	55	1300	ONNL250052C	52x20-65				

### varianti - accessori options - accessories



Movim. Mozzo: doppi cuscinetti a sfera tenuta stagna

Type of bearing: water-proof ball bearings

\* ruota colore nero  
\* Black wheel



Parafili lega leggera

Lightmetal thread guards

## girevole piastra / swivel castor

standard duty



80x30	105x85	80x60	9x16	38	108	1NNA0800GR0	120	1NNR0800GR0	120		
80x35	105x85	80x60	9x16	38	108			1NNE080AGRO	120		
100x35	105x85	80x60	9x16	38	128	1NNA1000GR0	120	1NNR1000GR0	120		
100x40	105x85	80x60	9x16	45	128	1NNA100AGRO	180	1NNE100AGRO	180		
100x45	135x110	105x80	11x16	55	140	1NNA100BGR0	300	1NNE100BGR0	300	1NNK100BGR0	300
125x40	105x85	80x60	9x16	45	155	1NNA1250GR0	180	1NNR1250GR0	180		
125x45	135x110	105x80	11x16	55	164	1NNA125BGR0	300	1NNE125BGR0	300	1NNK125BGR0	300
150x40	105x85	80x60	9x16	45	183	1NNA1500GR0	180	1NNR1500GR0	180		
150x40	135x110	105x80	11x16	55	194	1NNA150AGRO	300				
150x50	135x110	105x80	11x16	55	194			1NNE150BGR0	300	1NNK150BGR0	300
175x50	135x110	105x80	11x16	55	217	1NNA1750GR0	300				
175x50	135x110	105x80	11x16	55	217			1NNE175AGRO	300		
200x50	135x110	105x80	11x16	55	239	1NNA2000GR0	300				
200x50	135x110	105x80	11x16	55	239	1NNA200AGRO	300	1NNE200AGRO	300	1NNK200AGRO	300

## girevole codolo cilindrico/stem castor

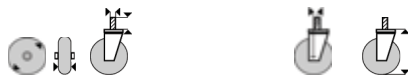
standard duty



80x30	20x50			38	104	1NNA0800CIO	120	1NNR0800CIO	120		
80x35	20x50			38	104			1NNE080ACIO	120		
100x35	20x50			38	124	1NNA1000CIO	120	1NNR1000CIO	120		
100x40	22x50			45	124	1NNA100ACIO	180	1NNE100ACIO	180		
100x45	27x60			55	134	1NNA100BCIO	300	1NNE100BCIO	300	1NNK100BCIO	300
125x40	22x50			45	151	1NNA1250CIO	180	1NNR1250CIO	180		
125x45	27x60			55	158	1NNA125BCIO	300	1NNE125BCIO	300	1NNK125BCIO	300
150x40	22x50			45	179	1NNA1500CIO	180	1NNR1500CIO	180		
150x40	27x60			55	188	1NNA150ACIO	300				
150x50	27x60			55	188			1NNE150BCIO	300	1NNK150BCIO	300
175x50	27x60			55	211	1NNA1750CIO	300				
175x50	27x60			55	211			1NNE175ACIO	300		
200x50	27x60			55	233	1NNA2000CIO	300				
200x50	27x60			55	233	1NNA200ACIO	300	1NNE200ACIO	300	1NNK200ACIO	300

## girevole codolo filettato / threaded stem castor

standard duty



80x30	M12x35			38	104	1NNA0800VIO	120	1NNR0800VIO	120		
80x35	M12x35			38	104			1NNE080AVIO	120		
100x35	M12x35			38	124	1NNA1000VIO	120	1NNR1000VIO	120		
100x40	M12x35			45	124	1NNA100AVIO	180	1NNE100AVIO	180		
100x45	M16x50			55	134	1NNA100BVIO	300	1NNE100BVIO	300	1NNK100BVIO	300
125x40	M12x35			45	151	1NNA1250VIO	180	1NNR1250VIO	180		
125x45	M16x50			55	158	1NNA125BVIO	300	1NNE125BVIO	300	1NNK125BVIO	300
150x40	M12x35			45	179	1NNA1500VIO	180	1NNR1500VIO	180		
150x40	M16x50			55	188	1NNA150AVIO	300				
150x50	M16x50			55	188			1NNE150BVIO	300	1NNK150BVIO	300
175x50	M16x50			55	211	1NNA1750VIO	300				
175x50	M16x50			55	211			1NNE175AVIO	300		
200x50	M16x50			55	233	1NNA2000VIO	300				
200x50	M16x50			55	233	1NNA200AVIO	300	1NNE200AVIO	300	1NNK200AVIO	300

## girevole piastra freno pedale anteriore / swivel castor with front foot lever brake

standard duty



80x30	105x85	80x60	9x16	38	108	120	1NNA0800GRD	120	1NNR0800GRD	120					
80x35	105x85	80x60	9x16	38	108	120			1NNE080AGR	120					
100x35	105x85	80x60	9x16	38	128	120	1NNA1000GRD	120	1NNR1000GRD	120					
100x40	105x85	80x60	9x16	45	128	120	1NNA100AGR	180	1NNE100AGR	180					
100x45	135x110	105x80	11x16	55	140	146	1NNA100BGRD	300	1NNE100BGRD	300	1NNK100BGRD	300			
125x40	105x85	80x60	9x16	45	155	120	1NNA1250GRD	180	1NNR1250GRD	180					
125x45	135x110	105x80	11x16	55	164	146	1NNA125BGRD	300	1NNE125BGRD	300	1NNK125BGRD	300			
150x40	105x85	80x60	9x16	45	183	120	1NNA1500GRD	180	1NNR1500GRD	180					
150x40	135x110	105x80	11x16	55	194	146	1NNA150AGR	300							
150x50	135x110	105x80	11x16	55	194	146			1NNE150BGRD	300	1NNK150BGRD	300			
175x50	135x110	105x80	11x16	55	217	146	1NNA1750GRD	300							
175x50	135x110	105x80	11x16	55	217	146			1NNE175AGR	300					
200x50	135x110	105x80	11x16	55	239	146	1NNA2000GRD	300							
200x50	135x110	105x80	11x16	55	239	146	1NNA200AGR	300	1NNE200AGR	300	1NNK200AGR	300			

## girevole codolo cilindrico freno pedale anteriore/stem castor with front foot lever brake

standard duty



80x30	20x50			38	104	120	1NNA0800CID	120	1NNR0800CID	120					
80x35	20x50			38	104	120			1NNE080ACID	120					
100x35	20x50			38	124	120	1NNA1000CID	120	1NNR1000CID	120					
100x40	22x50			45	124	120	1NNA100ACID	180	1NNE100ACID	180					
100x45	27x60			55	134	146	1NNA100BCID	300	1NNE100BCID	300	1NNK100BCID	300			
125x40	22x50			45	151	120	1NNA1250CID	180	1NNR1250CID	180					
125x45	27x60			55	158	146	1NNA125BCID	300	1NNE125BCID	300	1NNK125BCID	300			
150x40	22x50			45	179	120	1NNA1500CID	180	1NNR1500CID	180					
150x40	27x60			55	188	146	1NNA150ACID	300							
150x50	27x60			55	188	146			1NNE150BCID	300	1NNK150BCID	300			
175x50	27x60			55	211	146	1NNA1750CID	300							
175x50	27x60			55	211	146			1NNE175ACID	300					
200x50	27x60			55	233	146	1NNA2000CID	300							
200x50	27x60			55	233	146	1NNA200ACID	300	1NNE200ACID	300	1NNK200ACID	300			

## girevole codolo filettato freno pedale anteriore / threaded stem castor with front foot lever brake

standard duty



80x30	M12x35			38	104	120	1NNA0800VID	120	1NNR0800VID	120					
80x35	M12x35			38	104	120			1NNE080AVID	120					
100x35	M12x35			38	124	120	1NNA1000VID	120	1NNR1000VID	120					
100x40	M12x35			45	124	120	1NNA100AVID	180	1NNE100AVID	180					
100x45	M16x50			55	134	146	1NNA100BVID	300	1NNE100BVID	300	1NNK100BVID	300			
125x40	M12x35			45	151	120	1NNA1250VID	180	1NNR1250VID	180					
125x45	M16x50			55	158	146	1NNA125BVID	300	1NNE125BVID	300	1NNK125BVID	300			
150x40	M12x35			45	179	120	1NNA1500VID	180	1NNR1500VID	180					
150x40	M16x50			55	188	146	1NNA150AVID	300							
150x50	M16x50			55	188	146			1NNE150BVID	300	1NNK150BVID	300			
175x50	M16x50			55	211	146	1NNA1750VID	300							
175x50	M16x50			55	211	146			1NNE175AVID	300					
200x50	M16x50			55	233	146	1NNA2000VID	300							
200x50	M16x50			55	233	146	1NNA200AVID	300	1NNE200AVID	300	1NNK200AVID	300			



## girevole foro per vite / bolt hole castor

standard duty



						COD					
80x30	12	77		38	104	<b>1NNA0800QR0</b>	120	<b>1NNR0800QR0</b>	120		
80x35	12	77		38	104			<b>1NNE080AQR0</b>	120		
100x35	12	77		38	124	<b>1NNA1000QR0</b>	120	<b>1NNR1000QR0</b>	120		
100x40	12	77		45	124	<b>1NNA100AQR0</b>	180	<b>1NNE100AQR0</b>	180		
100x45	16	103		55	134	<b>1NNA100BQR0</b>	300	<b>1NNE100BQR0</b>	300	<b>1NNK100BQR0</b>	300
125x40	12	77		45	151	<b>1NNA1250QR0</b>	180	<b>1NNR1250QR0</b>	180		
125x45	16	103		55	158	<b>1NNA125BQR0</b>	300	<b>1NNE125BQR0</b>	300	<b>1NNK125BQR0</b>	300
150x40	12	77		45	179	<b>1NNA1500QR0</b>	180	<b>1NNR1500QR0</b>	180		
150x40	16	103		55	188	<b>1NNA150AQR0</b>	300				
150x50	16	103		55	188			<b>1NNE150BQR0</b>	300	<b>1NNK150BQR0</b>	300
175x50	16	103		55	211	<b>1NNA1750QR0</b>	300				
175x50	16	103		55	211			<b>1NNE175AQR0</b>	300		
200x50	16	103		55	233	<b>1NNA2000QR0</b>	300				
200x50	16	103		55	233	<b>1NNA200AQR0</b>	300	<b>1NNE200AQR0</b>	300	<b>1NNK200AQR0</b>	300

## girevole foro per vite freno pedale anteriore / bolt hole castor with front foot lever brake

standard duty



							COD				
80x30	12	77		38	104	120	<b>1NNA0800QRD</b>	120	<b>1NNR0800QRD</b>	120	
80x35	12	77		38	104	120			<b>1NNE080AQRD</b>	120	
100x35	12	77		38	124	120	<b>1NNA1000QRD</b>	120	<b>1NNR1000QRD</b>	120	
100x40	12	77		45	124	120	<b>1NNA100AQRD</b>	180	<b>1NNE100AQRD</b>	180	
100x45	16	103		55	134	146	<b>1NNA100BQRD</b>	300	<b>1NNE100BQRD</b>	300	<b>1NNK100BQRD</b>
125x40	12	77		45	151	120	<b>1NNA1250QRD</b>	180	<b>1NNR1250QRD</b>	180	
125x45	16	103		55	158	146	<b>1NNA125BQRD</b>	300	<b>1NNE125BQRD</b>	300	<b>1NNK125BQRD</b>
150x40	12	77		45	179	120	<b>1NNA1500QRD</b>	180	<b>1NNR1500QRD</b>	180	
150x40	16	103		55	188	146	<b>1NNA150AQRD</b>	300			
150x50	16	103		55	188	146			<b>1NNE150BQRD</b>	300	<b>1NNK150BQRD</b>
175x50	16	103		55	211	146	<b>1NNA1750QRD</b>	300			
175x50	16	103		55	211	146			<b>1NNE175AQRD</b>	300	
200x50	16	103		55	233	146	<b>1NNA2000QRD</b>	300			
200x50	16	103		55	233	146	<b>1NNA200AQRD</b>	300	<b>1NNE200AQRD</b>	300	<b>1NNK200AQRD</b>

## fisso piastra / fixed castor

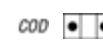
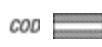
standard duty



						COD					
80x30	105x85	80x60	9x16		108	<b>1NNA0800FIO</b>	120	<b>1NNR0800FIO</b>	120		
80x35	105x85	80x60	9x16		108			<b>1NNE080AFIO</b>	120		
100x35	105x85	80x60	9x16		128	<b>1NNA1000FIO</b>	120	<b>1NNR1000FIO</b>	120		
100x40	105x85	80x60	9x16		128	<b>1NNA100AFIO</b>	180	<b>1NNE100AFIO</b>	180		
100x45	135x110	105x80	11x16		140	<b>1NNA100BFIO</b>	300	<b>1NNE100BFIO</b>	300	<b>1NNK100BFIO</b>	300
125x40	105x85	80x60	9x16		155	<b>1NNA1250FIO</b>	180	<b>1NNR1250FIO</b>	180		
125x45	135x110	105x80	11x16		164	<b>1NNA125BFIO</b>	300	<b>1NNE125BFIO</b>	300	<b>1NNK125BFIO</b>	300
150x40	105x85	80x60	9x16		183	<b>1NNA1500FIO</b>	180	<b>1NNR1500FIO</b>	180		
150x40	135x110	105x80	11x16		194	<b>1NNA150AFIO</b>	300				
150x50	135x110	105x80	11x16		194			<b>1NNE150BFIO</b>	300	<b>1NNK150BFIO</b>	300
175x50	135x110	105x80	11x16		217	<b>1NNA1750FIO</b>	300				
175x50	135x110	105x80	11x16		217			<b>1NNE175AFIO</b>	300		
200x50	135x110	105x80	11x16		239	<b>1NNA2000FIO</b>	300				
200x50	135x110	105x80	11x16		239	<b>1NNA200AFIO</b>	300	<b>1NNE200AFIO</b>	300	<b>1NNK200AFIO</b>	300

## girevole piastra / swivel castor

*new medium duty*



* 60x34	105x85	80x60	9x16	42	110	1NNA060AGJO	200					
80x30	105x85	80x60	9x16	42	120	1NNA0800GJO	150					
80x35	105x85	80x60	9x16	42	120			1NNE080AGJO	200			
100x40	105x85	80x60	9x16	42	138	1NNA100AGJO	250	1NNE100AGJO	250			
125x40	105x85	80x60	9x16	42	163	1NNA1250GJO	300	1NNE100BGJO	350	1NNK100BGJO	350	
100x50	135x110	105x80	11x16	55	142					1NNK100CGJO	500	
125x40	105x85	80x60	9x16	42	163	1NNA1250GJO	300	1NNR1250GJO	300			
125x45	135x110	105x80	11x16	55	164	1NNA125BGJO	500	1NNE125BGJO	500	1NNK125BGJO	500	
150x40	105x85	80x60	9x16	42	190	1NNA1500GJO	350	1NNR1500GJO	350			
150x50	135x110	105x80	11x16	55	194	1NNA150BGJO	500	1NNE150BGJO	500	1NNK150BGJO	500	
200x50	135x110	105x80	11x16	50	239	1NNA200AGJO	500	1NNE200AGJO	500	1NNK200AGJO	500	
250x50	135x110	105x80	11x16	50	292	1NNA250AGJO	500			1NNK250AGJO	500	

## girevole piastra freno pedale anteriore / swivel castor with front foot lever brake

*new medium duty*



80x30	105x85	80x60	9x16	42	120	140						
80x30	105x85	80x60	9x16	42	120	140	1NNA0800GJD	150				
80x35	105x85	80x60	9x16	42	120	140			1NNE080AGJD	200		
100x40	105x85	80x60	9x16	42	138	140	1NNA100AGJD	250	1NNE100AGJD	250		
125x40	105x85	80x60	9x16	42	163	140	1NNA1250GJD	300	1NNE100BGJD	350	1NNK100BGJD	350
100x50	135x110	105x80	11x16	55	142	150					1NNK100CGJD	500
125x40	105x85	80x60	9x16	42	163	140	1NNA1250GJD	300	1NNR1250GJD	300		
125x45	135x110	105x80	11x16	55	164	150	1NNA125BGJD	500	1NNE125BGJD	500	1NNK125BGJD	500
150x40	105x85	80x60	9x16	42	190	140	1NNA1500GJD	350	1NNR1500GJD	350		
150x50	135x110	105x80	11x16	55	194	150	1NNA150BGJD	500	1NNE150BGJD	500	1NNK150BGJD	500
200x50	135x110	105x80	11x16	50	239	150	1NNA200AGJD	500	1NNE200AGJD	500	1NNK200AGJD	500
250x50	135x110	105x80	11x16	50	292	150	1NNA250AGJD	500			1NNK250AGJD	500

## fisso piastra / fixed castor

*new medium duty*



* 60x34	105x85	80x60	9x16		110	1NNA060AFJO	200					
80x30	105x85	80x60	9x16		120	1NNA0800FJO	150					
80x35	105x85	80x60	9x16		120			1NNE080AFJO	200			
100x40	105x85	80x60	9x16		138	1NNA100AFJO	250	1NNE100AFJO	250			
125x40	105x85	80x60	9x16		163	1NNA1250FJO	300	1NNE100BFJO	350	1NNK100BFJO	350	
100x50	135x110	105x80	11x16		142					1NNK100CFJO	500	
125x40	105x85	80x60	9x16		163	1NNA1250FJO	300	1NNR1250FJO	300			
125x45	135x110	105x80	11x16		164	1NNA125BFJO	500	1NNE125BFJO	500	1NNK125BFJO	500	
150x40	105x85	80x60	9x16		190	1NNA1500FJO	350	1NNR1500FJO	350			
150x50	135x110	105x80	11x16		194	1NNA150BFJO	500	1NNE150BFJO	500	1NNK150BFJO	500	
200x50	135x110	105x80	11x16		239	1NNA200AFJO	500	1NNE200AFJO	500	1NNK200AFJO	500	
250x50	135x110	105x80	11x16		292	1NNA250AFJO	500			1NNK250AFJO	500	

## girevole piastra / swivel castor

water proof heavy duty



* 60x34	105x85	80x60	9x16	40	90		1NNA060AGTO	200				
80x30	105x85	80x60	9x16	40	120		1NNA0800GTO	150				
80x35	105x85	80x60	9x16	40	120				1NNE080AGTO	200		
100x35	105x85	80x60	9x16	40	142		1NNA1000GTO	200	1NNR1000GTO	200		
100x40	105x85	80x60	9x16	45	140		1NNA100AGTO	250	1NNE100AGTO	250		
100x45	135x110	105x80	11x16	50	148		1NNA100BGTO	350	1NNE100BGTO	350	1NNK100BGTO	400
100x50	135x110	105x80	11x16	50	148						1NNK100CGTO	600
125x40	105x85	80x60	9x16	45	165		1NNA1250GTO	300	1NNR1250GTO	300		
125x45	135x110	105x80	11x16	50	178		1NNA125BGTO	500	1NNE125BGTO	500	1NNK125BGTO	700
125x50	135x110	105x80	11x16	50	178						1NNK125CGTO	750
150x40	105x85	80x60	9x16	45	190		1NNA1500GTO	350	1NNR1500GTO	350		
150x40	135x110	105x80	11x16	50	205		1NNA150AGTO	400				
150x50	135x110	105x80	11x16	50	205		1NNA150BGTO	700	1NNE150BGTO	500	1NNK150BGTO	700
150x50	135x110	105x80	11x16	50	205						1NNK150CGTO	750
175x50	135x110	105x80	11x16	50	228		1NNA1750GTO	600			1NNK1750GTO	700
175x50	135x110	105x80	11x16	50	228				1NNE175AGTO	600		
200x50	135x110	105x80	11x16	55	250		1NNA2000GTO	500				
200x50	135x110	105x80	11x16	55	250		1NNA200AGTO	750	1NNE200AGTO	750	1NNK200AGTO	750
200x50	135x110	105x80	11x16	55	250						1NNK200BGTO	750

## girevole piastra freno pedale anteriore / swivel castor with front foot lever brake

water proof heavy duty



80x30	105x85	80x60	9x16	40	120	120	1NNA0800GTD	150				
80x35	105x85	80x60	9x16	40	120	120			1NNE080AGTD	200		
100x35	105x85	80x60	9x16	40	142	120	1NNA1000GTD	200	1NNR1000GTD	200		
100x40	105x85	80x60	9x16	45	140	120	1NNA100AGTD	250	1NNE100AGTD	250		
100x45	135x110	105x80	11x16	50	148	146	1NNA100BGTD	350	1NNE100BGTD	350	1NNK100BGTD	400
100x50	135x110	105x80	11x16	50	148	146					1NNK100CGTD	600
125x40	105x85	80x60	9x16	45	165	120	1NNA1250GTD	300	1NNR1250GTD	300		
125x45	135x110	105x80	11x16	50	178	146	1NNA125BGTD	500	1NNE125BGTD	500	1NNK125BGTD	700
125x50	135x110	105x80	11x16	50	178	146					1NNK125CGTD	750
150x40	105x85	80x60	9x16	45	190	120	1NNA1500GTD	350	1NNR1500GTD	350		
150x40	135x110	105x80	11x16	50	205	146	1NNA150AGTD	400				
150x50	135x110	105x80	11x16	50	205	146	1NNA150BGTD	700	1NNE150BGTD	500	1NNK150BGTD	700
150x50	135x110	105x80	11x16	50	205	146					1NNK150CGTD	750
175x50	135x110	105x80	11x16	50	228	146	1NNA1750GTD	600			1NNK1750GTD	700
175x50	135x110	105x80	11x16	50	228	146			1NNE175AGTD	600		
200x50	135x110	105x80	11x16	55	250	146	1NNA2000GTD	500				
200x50	135x110	105x80	11x16	55	250	146	1NNA200AGTD	750	1NNE200AGTD	750	1NNK200AGTD	750
200x50	135x110	105x80	11x16	55	250	146					1NNK200BGTD	750

## fisso piastra / fixed castor

water proof heavy duty



* 60x34	105x85	80x60	9x16	90	1NNA060AFTO	200				
80x30	105x85	80x60	9x16	120	1NNA0800FTO	150				
80x35	105x85	80x60	9x16	120			1NNE080AFTO	200		
100x35	105x85	80x60	9x16	142	1NNA1000FTO	200	1NNR1000FTO	200		
100x40	105x85	80x60	9x16	140	1NNA100AFTO	250	1NNE100AFTO	250		
100x45	135x110	105x80	11x16	148	1NNA100BFTO	350	1NNE100BFTO	350	1NNK100BFTO	400
100x50	135x110	105x80	11x16	148					1NNK100CFTO	600
125x40	105x85	80x60	9x16	165	1NNA1250FTO	300	1NNR1250FTO	300		
125x45	135x110	105x80	11x16	178	1NNA125BFTO	500	1NNE125BFTO	500	1NNK125BFTO	700
125x50	135x110	105x80	11x16	178					1NNK125CFTO	750
150x40	105x85	80x60	9x16	190	1NNA1500FTO	350	1NNR1500FTO	350		
150x40	135x110	105x80	11x16	205	1NNA150AFTO	400				
150x50	135x110	105x80	11x16	205	1NNA150BFTO	700	1NNE150BFTO	500	1NNK150BFTO	700
150x50	135x110	105x80	11x16	205					1NNK150CFTO	750
175x50	135x110	105x80	11x16	228	1NNA1750FTO	600			1NNK1750FTO	700
175x50	135x110	105x80	11x16	228			1NNE175AFTO	600		
200x50	135x110	105x80	11x16	250	1NNA2000FTO	500				
200x50	135x110	105x80	11x16	250	1NNA200AFTO	750	1NNE200AFTO	750	1NNK200AFTO	750
200x50	135x110	105x80	11x16	250					1NNK200BFTO	750

## girevole piastra / swivel castor

heavy duty



100x45	135x110	105x80	11x16	55	148	1NNA100BGHO	350	1NNE100BGHO	350	1NNK100BGHO	400
100x50	135x110	105x80	11x16	55	148					1NNK100CGHO	600
125x45	135x110	105x80	11x16	55	175	1NNA125BGHO	500	1NNE125BGHO	500	1NNK125BGHO	700
125x50	135x110	105x80	11x16	55	175					1NNK125CGHO	900
150x40	135x110	105x80	11x16	58	200	1NNA150AGHO	400				
150x50	135x110	105x80	11x16	58	200	1NNA150BGHO	700	1NNE150BGHO	500	1NNK150BGHO	900
150x50	135x110	105x80	11x16	58	200					1NNK150CGHO	1000
175x50	135x110	105x80	11x16	65	238	1NNA1750GHO	600			1NNK1750GHO	700
175x50	135x110	105x80	11x16	65	238			1NNE175AGHO	600		
200x50	135x110	105x80	11x16	65	250	1NNA2000GHO	500				
200x50	135x110	105x80	11x16	65	250	1NNA200AGHO	800	1NNE200AGHO	800	1NNK200AGHO	1000
200x50	135x110	105x80	11x16	65	250					1NNK200BGHO	1000
250x50	135x110	105x80	11x16	65	300	1NNA250AGHO	1000			1NNK250AGHO	1000

## girevole piastra freno pedale posteriore / swivel castor with rear foot lever brake

heavy duty



125x45	135x110	105x80	11x16	55	175	110	1NNA125BGHN	500	1NNE125BGHN	500	1NNK125BGHN	700
125x50	135x110	105x80	11x16	55	175	110					1NNK125CGHN	900
150x40	135x110	105x80	11x16	58	200	110	1NNA150AGHN	400				
150x50	135x110	105x80	11x16	58	200	110	1NNA150BGHN	700	1NNE150BGHN	500	1NNK150BGHN	900
150x50	135x110	105x80	11x16	58	200	110					1NNK150CGHN	1000
175x50	135x110	105x80	11x16	65	238	110	1NNA1750GHN	600			1NNK1750GHN	700
175x50	135x110	105x80	11x16	65	238	110			1NNE175AGHN	600		
200x50	135x110	105x80	11x16	65	250	110	1NNA2000GHN	500				
200x50	135x110	105x80	11x16	65	250	110	1NNA200AGHN	800	1NNE200AGHN	800	1NNK200AGHN	1000
200x50	135x110	105x80	11x16	65	250	110					1NNK200BGHN	1000
250x50	135x110	105x80	11x16	65	300	110	1NNA250AGHN	1000			1NNK250AGHN	1000

## fisso piastra / fixed castor

heavy duty



100x45	135x110	105x80	11x16		148	1NNA100BFHO	350	1NNE100BFHO	350	1NNK100BFHO	400
100x50	135x110	105x80	11x16		148					1NNK100CFHO	600
125x45	135x110	105x80	11x16		175	1NNA125BFHO	500	1NNE125BFHO	500	1NNK125BFHO	700
125x50	135x110	105x80	11x16		175					1NNK125CFHO	900
150x40	135x110	105x80	11x16		200	1NNA150AFHO	400				
150x50	135x110	105x80	11x16		200	1NNA150BFHO	700	1NNE150BFHO	500	1NNK150BFHO	900
150x50	135x110	105x80	11x16		200					1NNK150CFHO	1000
175x50	135x110	105x80	11x16		238	1NNA1750FHO	600			1NNK1750FHO	700
175x50	135x110	105x80	11x16		238			1NNE175AFHO	600		
200x50	135x110	105x80	11x16		250	1NNA2000FHO	500				
200x50	135x110	105x80	11x16		250	1NNA200AFHO	800	1NNE200AFHO	800	1NNK200AFHO	1000
200x50	135x110	105x80	11x16		250					1NNK200BFHO	1000
250x50	135x110	105x80	11x16		300	1NNA250AFHO	1000			1NNK250AFHO	1000

## girevole piastra / swivel castor

LPP heavy duty



100x50	140x110	105x80	12x12	45	164			1NNK100CGP0	600	
125x45	140x110	105x80	12x12	45	176,5		1NNE125BGPO	500	1NNK125BGPO	700
125x50	140x110	105x80	12x12	45	176,5				1NNK125CGPO	900
150x50	140x110	105x80	12x12	52	205		1NNE150BGPO	500	1NNK150BGPO	900
150x50	140x110	105x80	12x12	52	205				1NNK150CGPO	1000
175x50	140x110	105x80	12x12	58	238,5				1NNK1750GPO	700
175x50	140x110	105x80	12x12	58	238,5		1NNE175AGPO	600		
200x50	140x110	105x80	12x12	58	250		1NNE200AGPO	800	1NNK200AGPO	1000
200x50	140x110	105x80	12x12	58	250				1NNK200BGPO	1000
250x50	200x160	160x120	14x14	96	325				1NNK250AGPO	1000

## girevole piastra freno pedale posteriore / swivel castor with rear foot lever brake

LPP heavy duty



100x50	140x110	105x80	12x12	45	164	125			1NNK100CGPN	600	
125x45	140x110	105x80	12x12	45	176,5	125		1NNE125BGPN	500	1NNK125BGPN	700
125x50	140x110	105x80	12x12	45	176,5	125				1NNK125CGPN	900
150x50	140x110	105x80	12x12	52	205	125		1NNE150BGPN	500	1NNK150BGPN	900
150x50	140x110	105x80	12x12	52	205	125				1NNK150CGPN	1000
175x50	140x110	105x80	12x12	58	238,5	125				1NNK1750GPN	700
175x50	140x110	105x80	12x12	58	238,5	125		1NNE175AGPN	600		
200x50	140x110	105x80	12x12	58	250	125		1NNE200AGPN	800	1NNK200AGPN	1000
200x50	140x110	105x80	12x12	58	250	125				1NNK200BGPN	1000
250x50	200x160	160x120	14x14	96	325	125				1NNK250AGPN	1000

## fisso piastra / fixed castor

LPP heavy duty



100x50	140x110	105x80	12x12		164				1NNK100CFPO	600	
125x45	140x110	105x80	12x12		176,5			1NNE125BFPO	500	1NNK125BFPO	700
125x50	140x110	105x80	12x12		176,5					1NNK125CFPO	900
150x50	140x110	105x80	12x12		205			1NNE150BFPO	500	1NNK150BFPO	900
150x50	140x110	105x80	12x12		205					1NNK150CFPO	1000
175x50	140x110	105x80	12x12		238,5					1NNK1750FPO	700
175x50	140x110	105x80	12x12		238,5			1NNE175AFPO	600		
200x50	140x110	105x80	12x12		250			1NNE200AFPO	800	1NNK200AFPO	1000
200x50	140x110	105x80	12x12		250					1NNK200BFPO	1000
250x50	200x160	160x120	14x14		325					1NNK250AFPO	1000



## girevole piastra / swivel castor

welded heavy duty



80x30	105x85	80x60	9x16	41	135		1NNA0800GV0	150								
80x35	105x85	80x60	9x16	41	135					1NNE080AGV0	200					
100x35	105x85	80x60	9x16	41	145		1NNA1000GV0	200		1NNR1000GV0	200					
100x40	105x85	80x60	9x16	41	145		1NNA100AGV0	250		1NNE100AGV0	250					
100x45	135x110	105x80	11x16	35	140		1NNA100BGV0	350		1NNE100BGV0	350		1NNK100BGV0	400		
100x50	135x110	105x80	11x16	35	140								1NNK100CGV0	600		
125x40	105x85	80x60	9x16	45	175		1NNA1250GV0	300		1NNR1250GV0	300					
125x45	135x110	105x80	11x16	50	170		1NNA125BGV0	500		1NNE125BGV0	500		1NNK125BGV0	700		
125x50	135x110	105x80	11x16	50	170								1NNK125CGV0	900		
150x40	135x110	105x80	11x16	55	200		1NNA150AGV0	400								
150x50	135x110	105x80	11x16	55	200		1NNA150BGV0	700		1NNE150BGV0	500		1NNK150BGV0	900		
150x50	135x110	105x80	11x16	55	200								1NNK150CGV0	1100		
175x50	135x110	105x80	11x16	60	233		1NNA1750GV0	600					1NNK1750GV0	700		
175x50	135x110	105x80	11x16	60	233					1NNE175AGV0	600					
200x50	135x110	105x80	11x16	60	245		1NNA2000GV0	500								
200x50	135x110	105x80	11x16	60	245		1NNA200AGV0	800		1NNE200AGV0	800		1NNK200AGV0	1000		
200x50	135x110	105x80	11x16	60	245								1NNK200BGV0	1100		

## girevole piastra freno pedale posteriore / swivel castor with rear foot lever brake

welded heavy duty



80x30	105x85	80x60	9x16	41	135	110	1NNA0800GVN	150								
80x35	105x85	80x60	9x16	41	135	110				1NNE080AGVN	200					
100x35	105x85	80x60	9x16	41	145	110	1NNA1000GVN	200		1NNR1000GVN	200					
100x40	105x85	80x60	9x16	41	145	110	1NNA100AGVN	250		1NNE100AGVN	250					
100x45	135x110	105x80	11x16	35	140	130	1NNA100BGVN	350		1NNE100BGVN	350		1NNK100BGVN	400		
100x50	135x110	105x80	11x16	35	140	130							1NNK100CGVN	600		
125x40	105x85	80x60	9x16	45	175	110	1NNA1250GVN	300		1NNR1250GVN	300					
125x45	135x110	105x80	11x16	50	170	130	1NNA125BGVN	500		1NNE125BGVN	500		1NNK125BGVN	700		
125x50	135x110	105x80	11x16	50	170	130							1NNK125CGVN	900		
150x40	135x110	105x80	11x16	55	200	130	1NNA150AGVN	400								
150x50	135x110	105x80	11x16	55	200	130	1NNA150BGVN	700		1NNE150BGVN	500		1NNK150BGVN	900		
150x50	135x110	105x80	11x16	55	200	130							1NNK150CGVN	1100		
175x50	135x110	105x80	11x16	60	233	130	1NNA1750GVN	600					1NNK1750GVN	700		
175x50	135x110	105x80	11x16	60	233	130				1NNE175AGVN	600					
200x50	135x110	105x80	11x16	60	245	130	1NNA2000GVN	500								
200x50	135x110	105x80	11x16	60	245	130	1NNA200AGVN	800		1NNE200AGVN	800		1NNK200AGVN	1000		
200x50	135x110	105x80	11x16	60	245	130							1NNK200BGVN	1100		

## fisso piastra / fixed castor

welded heavy duty



80x30	105x85	80x60	9x16		135		1NNA0800FV0	150								
80x35	105x85	80x60	9x16		135					1NNE080AFV0	200					
100x35	105x85	80x60	9x16		145		1NNA1000FV0	200		1NNR1000FV0	200					
100x40	105x85	80x60	9x16		145		1NNA100AFV0	250		1NNE100AFV0	250					
100x45	135x110	105x80	11x16		140		1NNA100BFV0	350		1NNE100BFV0	350		1NNK100BFV0	400		
100x50	135x110	105x80	11x16		140								1NNK100CFV0	600		
125x40	105x85	80x60	9x16		175		1NNA1250FV0	300		1NNR1250FV0	300					
125x45	135x110	105x80	11x16		170		1NNA125BFV0	500		1NNE125BFV0	500		1NNK125BFV0	700		
125x50	135x110	105x80	11x16		170								1NNK125CFV0	900		
150x40	135x110	105x80	11x16		200		1NNA150AFV0	400								
150x50	135x110	105x80	11x16		200		1NNA150BFV0	700		1NNE150BFV0	500		1NNK150BFV0	900		
150x50	135x110	105x80	11x16		200								1NNK150CFV0	1100		
175x50	135x110	105x80	11x16		233		1NNA1750FV0	600					1NNK1750FV0	700		
175x50	135x110	105x80	11x16		233					1NNE175AFV0	600					
200x50	135x110	105x80	11x16		245		1NNA2000FV0	500								
200x50	135x110	105x80	11x16		245		1NNA200AFV0	800		1NNE200AFV0	800		1NNK200AFV0	1000		
200x50	135x110	105x80	11x16		245								1NNK200BFV0	1100		

## girevole piastra / swivel castor

LPQ welded heavy duty



125x45	140x110	105x80	12x12	45	199,5
125x50	140x110	105x80	12x12	45	199,5
150x50	140x110	105x80	12x12	52	228
150x50	140x110	105x80	12x12	52	228
200x50	140x110	105x80	12x12	58	273
200x50	140x110	105x80	12x12	58	273
250x60	140x110	105x80	12x12	70	318



1NNE125BGQ0	500	1NNK125BGQ0	700
		1NNK125CGQ0	900
1NNE150BGQ0	500	1NNK150BGQ0	900
		1NNK150CGQ0	1100
1NNE200AGQ0	800	1NNK200AGQ0	1000
		1NNK200BGQ0	1250
		1NNK2500GQ0	1300

## girevole piastra freno pedale posteriore / swivel castor with rear foot lever brake

LPQ welded heavy duty



125x45	140x110	105x80	12x12	45	199,5	125
125x50	140x110	105x80	12x12	45	199,5	125
150x50	140x110	105x80	12x12	52	228	125
150x50	140x110	105x80	12x12	52	228	125
200x50	140x110	105x80	12x12	58	273	125
200x50	140x110	105x80	12x12	58	273	125
250x60	140x110	105x80	12x12	70	318	125



1NNE125BGQN	500	1NNK125BGQN	700
		1NNK125CGQN	900
1NNE150BGQN	500	1NNK150BGQN	900
		1NNK150CGQN	1100
1NNE200AGQN	800	1NNK200AGQN	1000
		1NNK200BGQN	1250
		1NNK2500GQN	1300

## fisso piastra / fixed castor

LPQ welded heavy duty



125x45	140x110	105x80	12x12	199,5
125x50	140x110	105x80	12x12	199,5
150x50	140x110	105x80	12x12	228
150x50	140x110	105x80	12x12	228
200x50	140x110	105x80	12x12	273
200x50	140x110	105x80	12x12	273
250x60	140x110	105x80	12x12	318



1NNE125BFQ0	500	1NNK125BFQ0	700
		1NNK125CFQ0	900
1NNE150BFQ0	500	1NNK150BFQ0	900
		1NNK150CFQ0	1100
1NNE200AFQ0	800	1NNK200AFQ0	1000
		1NNK200BFQ0	1250
		1NNK2500FQ0	1300

## girevole piastra / swivel castor

extra welded heavy duty



125x45	175x140	140x105	13,5	56	185
125x50	175x140	140x105	13,5	56	185
150x40	175x140	140x105	13,5	67	210
150x50	175x140	140x105	13,5	67	210
150x50	175x140	140x105	13,5	67	210
175x50	175x140	140x105	13,5	78	240
175x50	175x140	140x105	13,5	78	240
200x50	175x140	140x105	13,5	78	252
250x60	200x160	160x120	15,5	80	355



1NNA125BGE0	500	1NNE125BGE0	500	1NNK125BGE0	700
				1NNK125CGE0	900
1NNA150AGE0	400				
1NNA150BGE0	700	1NNE150BGE0	500	1NNK150BGE0	900
				1NNK150CGE0	1100
1NNA1750GE0	600			1NNK1750GE0	700
1NNE175AGE0	600				
1NNA200AGE0	800	1NNE200AGE0	800	1NNK200AGE0	1000
				1NNK2500GE0	1300

## fisso piastra / fixed castor

extra welded heavy duty



125x45	175x140	140x105	13,5	185
125x50	175x140	140x105	13,5	185
150x40	175x140	140x105	13,5	210
150x50	175x140	140x105	13,5	210
150x50	175x140	140x105	13,5	210
175x50	175x140	140x105	13,5	240
175x50	175x140	140x105	13,5	240
200x50	175x140	140x105	13,5	252
250x60	200x160	160x120	15,5	355



1NNA125BFEO	500	1NNE125BFEO	500	1NNK125BFEO	700
				1NNK125CFEO	900
1NNA150AFE0	400				
1NNA150BFEO	700	1NNE150BFEO	500	1NNK150BFEO	900
				1NNK150CFEO	1100
1NNA1750FEO	600			1NNK1750FEO	700
1NNE175AFE0	600				
1NNA200AFE0	800	1NNE200AFE0	800	1NNK200AFE0	1000
				1NNK2500FEO	1300

## girevole piastra / swivel castor

LPN heavy duty



* 60x34	95x65	74,5x44,5	7,5x7,5	27	77	1NNA060AGGO	150		
80x35	110x85	86,5x60	8,5x8,5	22	107			1NNE080AGGO	200
100x40	110x85	86,5x60	8,5x8,5	22	125	1NNA100AGGO	250	1NNE100AGGO	250
125x40	110x85	86,5x60	8,5x8,5	22	152	1NNA1250GGO	300		

## girevole foro per vite / bolt hole castor

LPN heavy duty



80x35	12	84		22	107			1NNE080AQGO	200
100x40	12	84		22	125	1NNA100AQGO	250	1NNE100AQGO	250
125x40	12	84		22	152	1NNA1250QGO	300		

## girevole codolo filettato / threaded stem castor

LPN heavy duty



* 60x34	M18x20			27	77	1NNA060AVGO	150		
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## fisso piastra / fixed castor

LPN heavy duty



* 60x34	95x65	74,5x44,5	7,5x7,5		77	1NNA060AFGO	150		
80x35	110x85	86,5x60	8,5x8,5		107			1NNE080AFGO	200
100x40	110x85	86,5x60	8,5x8,5		125	1NNA100AFGO	250	1NNE100AFGO	250

## girevole piastra freno ruota / swivel castor wheel brake

LPN heavy duty



* 60x34	95x65	74,5x44,5	7,5x7,5	27	77	1NNA060AGGF	150		
80x35	110x85	86,5x60	8,5x8,5	22	107			1NNE080AGGF	200
100x40	110x85	86,5x60	8,5x8,5	22	125	1NNA100AGGF	250	1NNE100AGGF	250
125x40	110x85	86,5x60	8,5x8,5	22	152	1NNA1250GGF	300		

## girevole foro per vite freno ruota / bolt hole castor wheel brake

LPN heavy duty



80x35	12	84		22	107			1NNE080AQGF	200
100x40	12	84		22	125	1NNA100AQGF	250	1NNE100AQGF	250
125x40	12	84		22	152	1NNA1250QGF	300		

## girevole codolo filettato freno ruota / threaded stem castor wheel brake

LPN heavy duty



* 60x34	M18x20			27	77	1NNA060AVGF	150		
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## pesi weights

SERIE	COD		COD		COD		COD	
ONNA060A15	0,09							
ONNA080012	0,08	ONNR080012	0,12	ONNE080A12	0,17			
ONNA100012	0,13	ONNR100012	0,17					
ONNA100A15	0,20	ONNE100A15	0,28					
ONNA100B20	0,23	ONNE100B20	0,45	ONNK100B20	0,46	ONNK100C20	0,61	
ONNA125015	0,26	ONNR125015	0,29					
ONNA125B20	0,41	ONNE125B20	0,50	ONNK125B20	0,55	ONNK125C20	0,78	
ONNA150015	0,33	ONNR150015	0,36					
ONNA150A20	0,44							
ONNA150B20	0,50	ONNE150B20	0,62	ONNK150B20	0,70	ONNK150C20	0,98	
ONNA175020	0,61			ONNK175020	0,90			
		ONNE175A20	0,72					
ONNA200020	0,68							
ONNA200A20	0,81	ONNE200A20	0,90	ONNK200A20	1,00			
		ONNE200A25	0,89					
				ONNK200B25	1,49			
ONNA250A25	1,45			ONNK250A25	1,49	ONNK250025	1,73	
1NNA0800GR0	0,65	1NNR0800GR0	0,69	1NNE080AGRO	0,73			
1NNA1000GR0	0,75	1NNR1000GR0	0,77					
1NNA100AGRO	0,88	1NNE100AGRO	0,95					
1NNA100BGR0	1,67	1NNE100BGR0	1,74	1NNK100BGR0	1,81			
1NNA1250GR0	1,00	1NNR1250GR0	1,04					
1NNA125BGR0	1,80	1NNE125BGR0	1,94	1NNK125BGR0	2,01			
1NNA1500GR0	1,15	1NNR1500GR0	1,17					
1NNA150AGRO	2,00							
		1NNE150BGR0	2,06	1NNK150BGR0	2,20			
1NNA1750GR0	2,13							
		1NNE175AGRO	2,21					
1NNA2000GR0	2,33							
1NNA200AGRO	2,39	1NNE200AGRO	2,48	1NNK200AGRO	2,55			
1NNA0800CIO	0,69	1NNR0800CIO	0,73	1NNE080ACIO	0,77			
1NNA1000CIO	0,79	1NNR1000CIO	0,81					
1NNA100ACIO	0,95	1NNE100ACIO	1,02					
1NNA100BCIO	1,55	1NNE100BCIO	1,62	1NNK100BCIO	1,69			
1NNA1250CIO	1,06	1NNR1250CIO	1,10					
1NNA125BCIO	1,66	1NNE125BCIO	1,80	1NNK125BCIO	1,87			
1NNA1500CIO	1,21	1NNR1500CIO	1,23					
1NNA150ACIO	1,88							
		1NNE150BCIO	1,94	1NNK150BCIO	2,08			
1NNA1750CIO	2,01							
		1NNE175ACIO	2,09					
1NNA2000CIO	2,21							
1NNA200ACIO	2,27	1NNE200ACIO	2,36	1NNK200ACIO	2,42			
1NNA0800GRD	0,78	1NNR0800GRD	0,82	1NNE080AGR0	0,86			
1NNA1000GRD	0,88	1NNR1000GRD	0,90					
1NNA100AGRD	1,03	1NNE100AGRD	1,10					
1NNA100BGRD	1,91	1NNE100BGRD	1,98	1NNK100BGRD	2,05			
1NNA1250GRD	1,15	1NNR1250GRD	1,19					
1NNA125BGRD	2,04	1NNE125BGRD	2,18	1NNK125BGRD	2,25			
1NNA1500GRD	1,30	1NNR1500GRD	1,32					
1NNA150AGRD	2,24							

SERIE	COD		COD		COD		COD	
				1NNE150BGRD	2,30	1NNK150BGRD	2,44	
1NNA1750GRD	2,37			1NNE175AGRD	2,45			
1NNA2000GRD	2,57							
1NNA200AGRD	2,63	1NNE200AGRD	2,72	1NNK200AGRD	2,79			
1NNA0800CID	0,82	1NNR0800CID	0,86	1NNE080ACID	0,90			
1NNA1000CID	0,92	1NNR1000CID	0,94					
1NNA100ACID	1,10	1NNE100ACID	1,17					
1NNA100BCID	1,79	1NNE100BCID	1,86	1NNK100BCID	1,93			
1NNA1250CID	1,21	1NNR1250CID	1,25					
1NNA125BCID	1,90	1NNE125BCID	2,04	1NNK125BCID	2,11			
1NNA1500CID	1,36	1NNR1500CID	1,38					
1NNA150ACID	2,12							
		1NNE150BCID	2,18	1NNK150BCID	2,32			
1NNA1750CID	2,25							
		1NNE175ACID	2,33					
1NNA2000CID	2,45							
1NNA200ACID	2,51	1NNE200ACID	2,60	1NNK200ACID	2,66			
1NNA0800VIO	0,61	1NNR0800VIO	0,65	1NNE080AVIO	0,69			
1NNA1000VIO	0,71	1NNR1000VIO	0,73					
1NNA100AVIO	0,84	1NNE100AVIO	0,91					
1NNA100BVIO	1,50	1NNE100BVIO	1,57	1NNK100BVIO	1,64			
1NNA1250VIO	0,96	1NNR1250VIO	1,00					
1NNA125BVIO	1,61	1NNE125BVIO	1,75	1NNK125BVIO	1,82			
1NNA1500VIO	1,11	1NNR1500VIO	1,13					
1NNA150AVIO	1,83							
		1NNE150BVIO	1,89	1NNK150BVIO	1,98			
1NNA1750VIO	1,96							
		1NNE175AVIO	2,04					
1NNA2000VIO	2,16							
1NNA200AVIO	2,22	1NNE200AVIO	2,31	1NNK200AVIO	2,38			
1NNA0800QRO	0,54	1NNR0800QRO	0,58	1NNE080AQRO	0,62			
1NNA1000QRO	0,64	1NNR1000QRO	0,66					
1NNA100AQRO	0,77	1NNE100AQRO	0,84					
1NNA100BQRO	1,34	1NNE100BQRO	1,41	1NNK100BQRO	1,48			
1NNA1250QRO	0,89	1NNR1250QRO	0,93					
1NNA125BQRO	1,45	1NNE125BQRO	1,59	1NNK125BQRO	1,66			
1NNA1500QRO	1,04	1NNR1500QRO	1,06					
1NNA150AQRO	1,66							
		1NNE150BQRO	1,72	1NNK150BQRO	1,86			
1NNA1750QRO	1,83							
		1NNE175AQRO	1,91					
1NNA2000QRO	2,02							
1NNA200AQRO	2,08	1NNE200AQRO	2,17	1NNK200AQRO	2,24			
1NNA0800VID	0,74	1NNR0800VID	0,78	1NNE080AVID	0,82			
1NNA1000VID	0,84	1NNR1000VID	0,86					
1NNA100AVID	0,99	1NNE100AVID	1,06					
1NNA100BVID	1,74	1NNE100BVID	1,81	1NNK100BVID	1,88			
1NNA1250VID	1,11	1NNR1250VID	1,15					
1NNA125BVID	1,85	1NNE125BVID	1,99	1NNK125BVID	2,06			
1NNA1500VID	1,26	1NNR1500VID	1,28					
1NNA150AVID	2,07							
		1NNE150BVID	2,13	1NNK150BVID	2,22			
1NNA1750VID	2,20							

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		<b>1NNE175AVID</b>	2,28			
	<b>1NNA2000VID</b>	2,40				
	<b>1NNA200AVID</b>	2,46	<b>1NNE200AVID</b>	2,55	<b>1NNK200AVID</b>	2,62
	<b>1NNA0800QRD</b>	0,67	<b>1NNR0800QRD</b>	0,71		
			<b>1NNE080AQRD</b>	0,75		
	<b>1NNA1000QRD</b>	0,77	<b>1NNR1000QRD</b>	0,79		
	<b>1NNA100AQRD</b>	0,92	<b>1NNE100AQRD</b>	0,99		
	<b>1NNA100BQRD</b>	1,58	<b>1NNE100BQRD</b>	1,65	<b>1NNK100BQRD</b>	1,72
	<b>1NNA1250QRD</b>	1,04	<b>1NNR1250QRD</b>	1,08		
	<b>1NNA125BQRD</b>	1,69	<b>1NNE125BQRD</b>	1,83	<b>1NNK125BQRD</b>	1,90
	<b>1NNA1500QRD</b>	1,19	<b>1NNR1500QRD</b>	1,21		
	<b>1NNA150AQRD</b>	1,90				
			<b>1NNE150BQRD</b>	1,96	<b>1NNK150BQRD</b>	2,10
	<b>1NNA1750QRD</b>	2,07				
			<b>1NNE175AQRD</b>	2,15		
	<b>1NNA2000QRD</b>	2,26				
	<b>1NNA200AQRD</b>	2,32	<b>1NNE200AQRD</b>	2,41	<b>1NNK200AQRD</b>	2,48
	<b>1NNA0800FIO</b>	0,38	<b>1NNR0800FIO</b>	0,42		
			<b>1NNE080AFIO</b>	0,46		
	<b>1NNA1000FIO</b>	0,49	<b>1NNR1000FIO</b>	0,52		
	<b>1NNA100AFIO</b>	0,62	<b>1NNE100AFIO</b>	0,69		
	<b>1NNA100BFIO</b>	1,25	<b>1NNE100BFIO</b>	1,32	<b>1NNK100BFIO</b>	1,39
	<b>1NNA1250FIO</b>	0,72	<b>1NNR1250FIO</b>	0,76		
	<b>1NNA125BFIO</b>	1,31	<b>1NNE125BFIO</b>	1,45	<b>1NNK125BFIO</b>	1,52
	<b>1NNA1500FIO</b>	0,89	<b>1NNR1500FIO</b>	0,91		
	<b>1NNA150AFIO</b>	1,60				
			<b>1NNE150BFIO</b>	1,66	<b>1NNK150BFIO</b>	1,80
	<b>1NNA1750FIO</b>	1,73				
			<b>1NNE175AFIO</b>	1,81		
	<b>1NNA2000FIO</b>	1,98				
	<b>1NNA200AFIO</b>	2,04	<b>1NNE200AFIO</b>	2,13	<b>1NNK200AFIO</b>	2,20
	<b>1NNA100BGJ0</b>	1,78	<b>1NNE100BGJ0</b>	1,92	<b>1NNK100BGJ0</b>	1,99
					<b>1NNK100CGJ0</b>	2,23
	<b>1NNA125BGJ0</b>	1,96	<b>1NNE125BGJ0</b>	2,10	<b>1NNK125BGJ0</b>	2,17
	<b>1NNA150BGJ0</b>	2,18	<b>1NNE150BGJ0</b>	2,24	<b>1NNK150BGJ0</b>	2,38
	<b>1NNA200AGJ0</b>	2,60	<b>1NNE200AGJ0</b>	2,69	<b>1NNK200AGJ0</b>	2,76
	<b>1NNA250AGJ0</b>	3,11			<b>1NNK250AGJ0</b>	3,15
	<b>1NNA100BGJD</b>	2,02	<b>1NNE100BGJD</b>	2,16	<b>1NNK100BGJD</b>	2,23
					<b>1NNK100CGJD</b>	2,47
	<b>1NNA125BGJD</b>	2,20	<b>1NNE125BGJD</b>	2,34	<b>1NNK125BGJD</b>	2,41
	<b>1NNA150BGJD</b>	2,42	<b>1NNE150BGJD</b>	2,48	<b>1NNK150BGJD</b>	2,62
	<b>1NNA200AGJD</b>	2,84	<b>1NNE200AGJD</b>	2,93	<b>1NNK200AGJD</b>	3,00
	<b>1NNA250AGJD</b>	3,35			<b>1NNK250AGJD</b>	3,39
	<b>1NNA100BFJ0</b>	1,30	<b>1NNE100BFJ0</b>	1,54	<b>1NNK100BFJ0</b>	1,61
					<b>1NNK100CFJ0</b>	2,80
	<b>1NNA125BFJ0</b>	1,58	<b>1NNE125BFJ0</b>	1,72	<b>1NNK125BFJ0</b>	1,79
	<b>1NNA150BFJ0</b>	1,86	<b>1NNE150BFJ0</b>	1,92	<b>1NNK150BFJ0</b>	2,06
	<b>1NNA200AFJ0</b>	2,36	<b>1NNE200AFJ0</b>	2,45	<b>1NNK200AFJ0</b>	2,52
	<b>1NNA250AFJ0</b>	2,76			<b>1NNK250AFJ0</b>	2,80
	<b>1NNA0600GTO</b>	0,89				
	<b>1NNA0800GTO</b>	0,87				
			<b>1NNE080AGTO</b>	0,96		
	<b>1NNA1000GTO</b>	0,97	<b>1NNR1000GTO</b>	1,01		
	<b>1NNA100AGTO</b>	1,09	<b>1NNE100AGTO</b>	1,17		
	<b>1NNA100BGTO</b>	2,19	<b>1NNE100BGTO</b>	2,41	<b>1NNK100BGTO</b>	2,42
					<b>1NNK100CGTO</b>	2,57
	<b>1NNA1250GTO</b>	1,25	<b>1NNR1250GTO</b>	1,28		

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<b>1NNA125BGTO</b>	2,43	<b>1NNE125BGTO</b>	2,55	<b>1NNK125BGTO</b>	2,57	
				<b>1NNK125CGTO</b>	2,80	
<b>1NNA1500GTO</b>	1,35	<b>1NNR1500GTO</b>	1,38			
<b>1NNA150AGTO</b>	1,56					
<b>1NNA150BGTO</b>	2,73	<b>1NNE150BGTO</b>	2,85	<b>1NNK150BGTO</b>	2,93	
				<b>1NNK150CGTO</b>	3,21	
<b>1NNA1750GTO</b>	2,77			<b>1NNK1750GTO</b>	3,06	
		<b>1NNE175AGTO</b>	2,88			
<b>1NNA2000GTO</b>	3,12					
<b>1NNA200AGTO</b>	3,25	<b>1NNE200AGTO</b>	3,34	<b>1NNK200AGTO</b>	3,44	
				<b>1NNK200BGTO</b>	3,93	
	<b>1NNA0800GTD</b>	1,00				
		<b>1NNE080AGTD</b>	1,09			
	<b>1NNA1000GTD</b>	1,10	<b>1NNR1000GTD</b>	1,14		
	<b>1NNA100AGTD</b>	1,21	<b>1NNE100AGTD</b>	1,29		
	<b>1NNA100BGTD</b>	2,41	<b>1NNE100BGTD</b>	2,63	<b>1NNK100BGTD</b>	2,64
				<b>1NNK100CGTD</b>	2,79	
	<b>1NNA1250GTD</b>	1,38	<b>1NNR1250GTD</b>	1,41		
	<b>1NNA125BGTD</b>	2,65	<b>1NNE125BGTD</b>	2,74	<b>1NNK125BGTD</b>	2,79
				<b>1NNK125CGTD</b>	3,02	
	<b>1NNA1500GTD</b>	1,48	<b>1NNR1500GTD</b>	1,51		
	<b>1NNA150AGTD</b>	1,68				
	<b>1NNA150BGTD</b>	2,95	<b>1NNE150BGTD</b>	3,07	<b>1NNK150BGTD</b>	3,15
				<b>1NNK150CGTD</b>	3,43	
	<b>1NNA1750GTD</b>	2,99			<b>1NNK1750GTD</b>	3,28
			<b>1NNE175AGTD</b>	3,10		
	<b>1NNA2000GTD</b>	3,34				
	<b>1NNA200AGTD</b>	3,47	<b>1NNE200AGTD</b>	3,56	<b>1NNK200AGTD</b>	3,66
				<b>1NNK200BGTD</b>	4,15	
	<b>1NNA0600FT0</b>	0,39				
	<b>1NNA0800FT0</b>	0,57				
			<b>1NNE080AFT0</b>	0,66		
	<b>1NNA1000FT0</b>	0,66	<b>1NNR1000FT0</b>	0,70		
	<b>1NNA100AFT0</b>	0,76	<b>1NNE100AFT0</b>	0,84		
	<b>1NNA100BFT0</b>	1,40	<b>1NNE100BFT0</b>	1,62	<b>1NNK100BFT0</b>	1,63
				<b>1NNK100CFT0</b>	1,78	
	<b>1NNA1250FT0</b>	0,96	<b>1NNR1250FT0</b>	0,99		
	<b>1NNA125BFT0</b>	1,76	<b>1NNE125BFT0</b>	1,86	<b>1NNK125BFT0</b>	1,91
				<b>1NNK125CFT0</b>	2,14	
	<b>1NNA1500FT0</b>	1,07	<b>1NNR1500FT0</b>	1,10		
	<b>1NNA150AFT0</b>	1,90				
	<b>1NNA150BFT0</b>	1,96	<b>1NNE150BFT0</b>	2,08	<b>1NNK150BFT0</b>	2,16
				<b>1NNK150CFT0</b>	2,44	
	<b>1NNA1750FT0</b>	2,16			<b>1NNK1750FT0</b>	2,45
			<b>1NNE175AFT0</b>	2,27		
	<b>1NNA2000FT0</b>	2,45				
	<b>1NNA200AFT0</b>	2,58	<b>1NNE200AFT0</b>	2,67	<b>1NNK200AFT0</b>	2,77
				<b>1NNK200BFT0</b>	3,26	
	<b>1NNA100BGH0</b>	2,66	<b>1NNE100BGH0</b>	2,73	<b>1NNK100BGH0</b>	2,80
				<b>1NNK100CGH0</b>	2,95	
	<b>1NNA125BGH0</b>	2,75	<b>1NNE125BGH0</b>	2,89	<b>1NNK125BGH0</b>	2,96
				<b>1NNK125CGH0</b>	3,19	
	<b>1NNA150AGH0</b>	2,93				
	<b>1NNA150BGH0</b>	2,99	<b>1NNE150BGH0</b>	3,05	<b>1NNK150BGH0</b>	3,19
				<b>1NNK150CGH0</b>	3,47	
	<b>1NNA1750GH0</b>	3,10			<b>1NNK1750GH0</b>	3,39
			<b>1NNE175AGH0</b>	3,30		
	<b>1NNA2000GH0</b>	3,32				



## pesi weights

SERIE	COD		SERIE	COD		SERIE	COD	
1NNA200AGHO	3,45		1NNE200AGHO	3,54		1NNK200AGHO	3,61	
						1NNK200BGHO	4,01	
1NNA250AGHO	4,70					1NNK250AGHO	4,98	
1NNA125BGHN	3,09		1NNE125BGHN	3,23		1NNK125BGHN	3,30	
						1NNK125CGHN	3,53	
1NNA150AGHN	3,27							
1NNA150BGHN	3,33		1NNE150BGHN	3,39		1NNK150BGHN	3,53	
						1NNK150CGHN	3,71	
1NNA1750GHN	3,44					1NNK1750GHN	3,63	
			1NNE175AGHN	3,64				
1NNA2000GHN	3,66							
1NNA200AGHN	3,79		1NNE200AGHN	3,88		1NNK200AGHN	3,95	
						1NNK200BGHN	4,44	
1NNA250AGHN	5,04					1NNK250AGHN	5,32	
1NNA100BFHO	1,84		1NNE100BFHO	1,91		1NNK100BFHO	1,98	
						1NNK100CFHO	2,13	
1NNA125BFHO	2,04		1NNE125BFHO	2,18		1NNK125BFHO	2,25	
						1NNK125CFHO	2,46	
1NNA150AFHO	2,12							
1NNA150BFHO	2,33		1NNE150BFHO	2,39		1NNK150BFHO	2,53	
						1NNK150CFHO	2,81	
1NNA1750FHO	2,64					1NNK1750FHO	2,71	
			1NNE175AFHO	2,76				
1NNA2000FHO	2,78							
1NNA200AFHO	2,91		1NNE200AFHO	3,00		1NNK200AFHO	3,07	
						1NNK200BFHO	3,49	
1NNA250AFHO	3,06					1NNK250AFHO	3,34	
						1NNK100CGPO	3,36	
			1NNE125BGPO	3,25		1NNK125BGPO	3,30	
						1NNK125CGPO	3,53	
			1NNE150BGPO	3,48		1NNK150BGPO	3,56	
						1NNK150CGPO	3,84	
						1NNK1750GPO	3,95	
			1NNE175AGPO	3,77				
			1NNE200AGPO	3,94		1NNK200AGPO	4,05	
						1NNK200BGPO	4,54	
						1NNK250AGPO	8,64	
						1NNK100CGPN	3,91	
			1NNE125BGPN	3,80		1NNK125BGPN	3,85	
						1NNK125CGPN	4,08	
			1NNE150BGPN	4,02		1NNK150BGPN	4,10	
						1NNK150CGPN	4,38	
						1NNK1750GPN	4,41	
			1NNE175AGPN	4,23				
			1NNE200AGPN	4,40		1NNK200AGPN	4,51	
						1NNK200BGPN	5,00	
						1NNK250AGPN	8,94	
						1NNK100CFPO	1,96	
			1NNE125BFPO	1,85		1NNK125BFPO	1,90	
						1NNK125CFPO	2,23	
			1NNE150BFPO	2,07		1NNK150BFPO	2,15	
						1NNK150CFPO	2,43	
						1NNK1750FPO	2,60	
			1NNE175AFPO	2,42				
			1NNE200AFPO	2,59		1NNK200AFPO	2,70	
						1NNK200BFPO	3,19	
						1NNK250AFPO	4,14	

SERIE	COD		SERIE	COD		SERIE	COD	
1NNA0800GV0	1,11					1NNE080AGV0	1,20	
						1NNR1000GV0	1,21	
1NNA1000GV0	1,18					1NNE100AGV0	1,36	
1NNA100AGV0	1,29					1NNK100BGV0	1,56	
1NNA100BGV0	1,39		1NNE100BGV0	1,46		1NNK100CGV0	1,71	
1NNA1250GV0	1,70		1NNR1250GV0	1,74				
1NNA125BGV0	3,02		1NNE125BGV0	3,16		1NNK125BGV0	3,29	
						1NNK125CGV0	3,46	
1NNA150AGV0	3,20							
1NNA150BGV0	3,28		1NNE150BGV0	3,34		1NNK150BGV0	3,48	
						1NNK150CGV0	3,76	
1NNA1750GV0	3,56					1NNK1750GV0	3,68	
			1NNE175AGV0	3,64				
1NNA2000GV0	3,19							
1NNA200AGV0	3,79		1NNE200AGV0	3,88		1NNK200AGV0	3,95	
						1NNK200BGV0	4,33	
1NNA0800GVN	1,51							
			1NNE080AGVN	1,60				
1NNA1000GVN	1,58		1NNR1000GVN	1,61				
1NNA100AGVN	1,69		1NNE100AGVN	1,76				
1NNA100BGVN	1,79		1NNE100BGVN	1,86		1NNK100BGVN	1,93	
						1NNK100CGVN	2,08	
1NNA1250GVN	2,10		1NNR1250GVN	2,14				
1NNA125BGVN	3,42		1NNE125BGVN	3,56		1NNK125BGVN	3,63	
						1NNK125CGVN	3,76	
1NNA150AGVN	3,49							
1NNA150BGVN	3,78		1NNE150BGVN	3,84		1NNK150BGVN	3,98	
						1NNK150CGVN	4,19	
1NNA1750GVN	4,09					1NNK1750GVN	4,11	
			1NNE175AGVN	4,15				
1NNA2000GVN	4,16							
1NNA200AGVN	4,29		1NNE200AGVN	4,38		1NNK200AGVN	4,45	
						1NNK200BGVN	4,83	
1NNA0800FV0	0,81							
			1NNE080AFV0	0,90				
1NNA1000FV0	0,88		1NNR1000FV0	0,91				
1NNA100AFV0	0,99		1NNE100AFV0	1,06				
1NNA100BFV0	1,02		1NNE100BFV0	1,09		1NNK100BFV0	1,10	
						1NNK100CFV0	1,17	
1NNA1250FV0	1,40		1NNR1250FV0	1,44				
1NNA125BFV0	2,30		1NNE125BFV0	2,44		1NNK125BFV0	2,51	
						1NNK125CFV0	2,64	
1NNA150AFV0	2,32							
1NNA150BFV0	2,38		1NNE150BFV0	2,44		1NNK150BFV0	2,58	
						1NNK150CFV0	2,79	
1NNA1750FV0	2,49					1NNK1750FV0	2,69	
			1NNE175AFV0	2,94				
1NNA2000FV0	2,96							
1NNA200AFV0	3,09		1NNE200AFV0	3,18		1NNK200AFV0	3,25	
						1NNK200BFV0	3,63	
			1NNE125BGQ0	4,55		1NNK125BGQ0	4,60	
						1NNK125CGQ0	4,83	
			1NNE150BGQ0	4,77		1NNK150BGQ0	4,85	
						1NNK150CGQ0	5,13	
			1NNE200AGQ0	5,20		1NNK200AGQ0	5,30	
						1NNK200BGQ0	5,79	
						1NNK2500GQ0	6,74	

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	1NNE125BGQN	5,06	1NNK125BGQN	5,11
			1NNK125CGQN	5,34
	1NNE150BGQN	5,27	1NNK150BGQN	5,35
		1NNK150CGQN	5,63	
	1NNE200AGQN	5,70	1NNK200AGQN	5,80
			1NNK200BGQN	6,29
			1NNK250GQN	7,24
	1NNE125BFQ0	3,30	1NNK125BFQ0	3,35
			1NNK125CFQ0	3,58
	1NNE150BFQ0	3,52	1NNK150BFQ0	3,60
		1NNK150CFQ0	3,88	
	1NNE200AFQ0	4,00	1NNK200AFQ0	4,10
			1NNK200BFQ0	4,59
			1NNK250FQ0	4,84
	1NNA125BGE0	6,99	1NNE125BGE0	7,12
			1NNK125BGE0	7,19
			1NNK125CGE0	7,42
	1NNA150AGE0	7,12		
	1NNA150BGE0	7,18	1NNE150BGE0	7,35
			1NNK150BGE0	7,48
			1NNK150CGE0	7,76
	1NNA1750GE0	7,29		1NNK1750GE0
			1NNE175AGE0	7,64
	1NNA200AGE0	7,79	1NNE200AGE0	7,88
			1NNK200AGE0	7,95
			1NNK2500GE0	14,73
	1NNA125BFE0	4,25	1NNE125BFE0	4,38
			1NNK125BFE0	4,45
			1NNK125CFE0	4,58
	1NNA150AFE0	4,59		
	1NNA150BFE0	4,65	1NNE150BFE0	4,71
			1NNK150BFE0	4,85
			1NNK150CFE0	5,13
	1NNA1750FE0	4,76		1NNK1750FE0
			1NNE175AFE0	5,04
	1NNA200AFE0	5,19	1NNE200AFE0	5,28
			1NNK200AFE0	5,35
			1NNK2500FE0	9,95
	1NNA060AGG0	0,45		
			1NNE080AGG0	0,90
	1NNA100AGG0	0,86	1NNE100AGG0	0,95
	1NNA1250GG0	0,90		
			1NNE080AQG0	0,87
	1NNA100AQG0	0,92	1NNE100AQG0	0,96
	1NNA1250QG0	0,98		
	1NNA060AVG0	0,39		
	1NNA060AFG0	0,65		
			1NNE080AFG0	0,65
	1NNA100AFG0	0,25	1NNE100AFG0	0,74
	1NNA060AGGF	0,50		
			1NNE080AGGF	0,95
	1NNA100AGGF	0,91	1NNE100AGGF	1,00
	1NNA1250GGF	0,95		
			1NNE080AQGF	0,92
	1NNA100AQGF	0,97	1NNE100AQGF	1,01
	1NNA1250QGF	1,03		
	1NNA060AVGF	0,45		











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