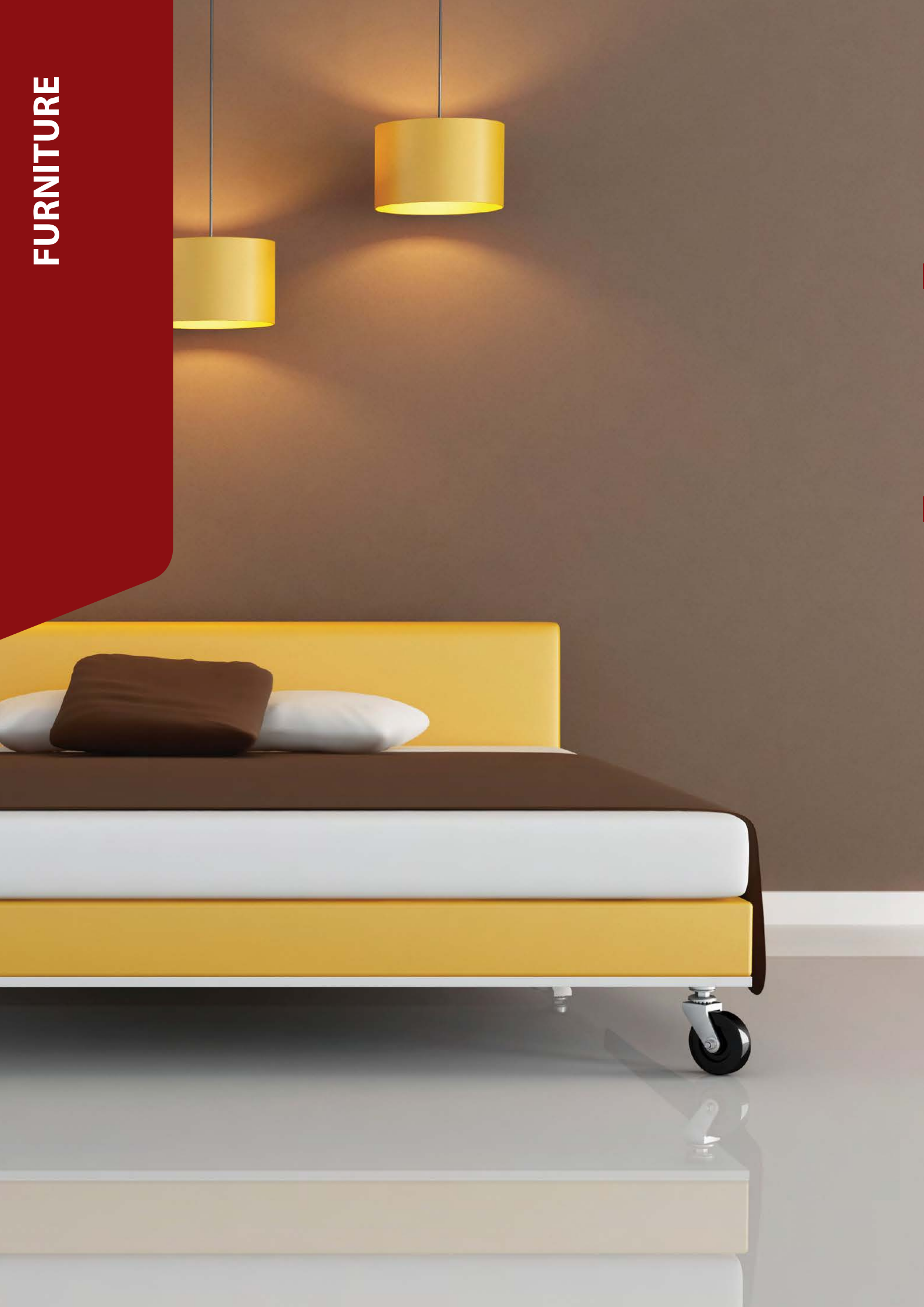


# FURNITURE



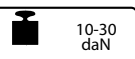


SERIES  
**33**

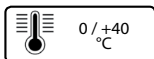
RUBBER BALL WHEELS



30-50  
mm



10-30  
daN



0 / +40  
°C

PAGE 308

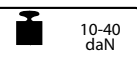


SERIES  
**34**

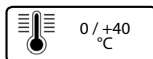
PAIRED POLYAMIDE 6 OR POLYPROPYLENE WHEELS



35-100  
mm



10-40  
daN



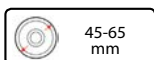
0 / +40  
°C

PAGE 310

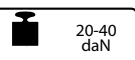


SERIES  
**35**

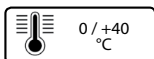
RUBBER HALF-BALL WHEELS



45-65  
mm



20-40  
daN



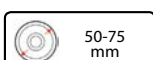
0 / +40  
°C

PAGE 314



SERIES  
**39**

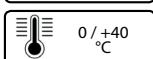
TRANSPARENT POLYURETHANE WHEELS WITH METHACRYLATE CENTRE



50-75  
mm



20-40  
daN



0 / +40  
°C

PAGE 316

## RUBBER BALL WHEELS



### Description

Black rubber ball wheels with zinc-plated brackets.

Hub with plain bore hole which directly houses the axle.

### Uses

Suitable for indoor applications, without aggressive chemicals. They can be used on fragile flooring, even carpet.

Examples of recommended applications: house and office furniture with low carrying capacity.

### Environments of use

Suitable for domestic environments without aggressive chemicals.

|              |  |              |  |
|--------------|--|--------------|--|
| WEAK ACIDS   |  | WEAK BASES   |  |
| STRONG ACIDS |  | STRONG BASES |  |
| WATER        |  | HYDROCARBONS |  |
| ALCOHOL      |  | SOLVENTS     |  |

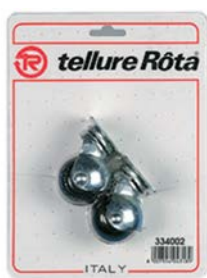
*For information on the compatibility of the component wheel materials with specific aggressive chemical substances, see table at page 36.*















### Floors

Suitable on tiles and delicate flooring; not recommended on abrasive, unpaved floors or in presence of processing residues.















Not recommended in presence of obstacles.



















|  |  | 2 pc package |      |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--------------|------|---|---|---|---|---|--|---|---|---|---|---|---|
|   |   | mm           | kg   | CODE  | kg  | CODE  | mm  | mm  | mm   | mm  | daN   |   |   |   |   |
| 30  | 0.11  | 334101       | 0.26 | 334001  | 48  | 40x40   | 27x27   | 5   | 10   |   |   |   |   |   |   |
| 40  | 0.15  | 334102       | 0.34 | 334002  | 59  | 40x40   | 27x27   | 5   | 20   |   |   |   |   |   |   |
| 50  | 0.23  | 334103       | 0.51 | 334003  | 69  | 47x47   | 35x35   | 6   | 30   |   |   |   |   |   |   |



|  |  | 2 pc package |      |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--------------|------|---|---|---|---|---|--|---|---|---|---|---|---|
|   |   | mm           | kg   | CODE  | kg  | CODE  | mm  | mm  | mm   | daN   |   |   |   |   |   |
| 30  | 0.09  | 333101       | 0.21 | 333001  | 46  | 32  | 9   | 10  |  |   |   |   |   |   |   |
| 40  | 0.13  | 333102       | 0.30 | 333002  | 57  | 32  | 9   | 20  |  |   |   |   |   |   |   |
| 50  | 0.20  | 333103       | 0.43 | 333003  | 66  | 36  | 10  | 30  |  |   |   |   |   |   |   |



|  |  | 2 pc package |      |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--------------|------|---|---|---|---|---|--|---|---|---|---|---|---|
|   |   | mm           | kg   | CODE  | kg  | CODE  | mm  | mm  | mm   | mm  | daN   |   |   |   |   |
| 30  | 0.10  | 336101       | 0.25 | 336001  | 51  | SPANNER 13  | M8  | 15  | 10   |   |   |   |   |   |   |
| 40  | 0.14  | 336102       | 0.33 | 336002  | 63  | SPANNER 13  | M8  | 15  | 20   |   |   |   |   |   |   |
| 50  | 0.22  | 336103       | 0.47 | 336003  | 73  | SPANNER 13  | M8  | 15  | 30   |   |   |   |   |   |   |

## PAIRED POLYAMIDE 6 AND POLYPROPYLENE WHEELS



### Description



Paired wheels in black or grey polyamide 6.  
Steel stems and plates



Paired wheels in transparent or blue polypropylene.  
Steel stems and plates.

### Uses

Suitable for indoor applications, without aggressive chemicals. They can be used on fragile flooring, even carpet.

Examples of recommended applications: chairs with low carrying capacity for home and office.

### Environments of use

Suitable for domestic environments without aggressive chemicals.

|              |  |  |              |  |  |
|--------------|--|--|--------------|--|--|
| WEAK ACIDS   |  |  | WEAK BASES   |  |  |
| STRONG ACIDS |  |  | STRONG BASES |  |  |
| WATER        |  |  | HYDROCARBONS |  |  |
| ALCOHOL      |  |  | SOLVENTS     |  |  |

For information on the compatibility of the component wheel materials with specific aggressive chemical substances, see table at page 36.

### Floors

Suitable on tiles and fragile floors not recommended on abrasive, unpaved floors or in presence of processing residues.

Not recommended in presence of obstacles.





**Black polyamide 6 wheels**

| mm | mm | kg   | CODE   | mm | mm    | mm    | mm | daN       |  |  |  |  |  |  |  |
|----|----|------|--------|----|-------|-------|----|-----------|--|--|--|--|--|--|--|
| 35 | 39 | 0.05 | 344100 | 50 | 28x28 | 19x19 | 5  | <b>10</b> |  |  |  |  |  |  |  |
| 50 | 59 | 0.09 | 344101 | 68 | 38x38 | 27x27 | 5  | <b>30</b> |  |  |  |  |  |  |  |



**Black polyamide 6 wheels**

| mm | mm | kg   | CODE   | mm   | mm         | mm  | mm | daN       |  |  |  |  |  |  |  |
|----|----|------|--------|------|------------|-----|----|-----------|--|--|--|--|--|--|--|
| 35 | 39 | 0.04 | 346200 | 44.5 | SPANNER 12 | M8  | 15 | <b>10</b> |  |  |  |  |  |  |  |
| 50 | 59 | 0.07 | 346201 | 62   | SPANNER 12 | M10 | 15 | <b>30</b> |  |  |  |  |  |  |  |

















**Black polyamide 6 wheels**  
**Package with 2 pieces and 4 fittings**

| mm | mm | kg   | CODE   | mm      | mm    | mm    | mm | mm         | mm  | mm | daN       |  |  |  |  |
|----|----|------|--------|---------|-------|-------|----|------------|-----|----|-----------|--|--|--|--|
| 35 | 39 | 0.22 | 340000 | 50/44,5 | 28x28 | 19x19 | 5  | SPANNER 12 | M8  | 15 | <b>10</b> |  |  |  |  |
| 50 | 59 | 0.30 | 340001 | 68/62   | 38x38 | 27x27 | 5  | SPANNER 12 | M10 | 15 | <b>30</b> |  |  |  |  |

## PAIRED POLYAMIDE 6 AND POLYPROPYLENE WHEELS

















Grey polyamide 6 wheels

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| mm  | mm  | kg  | CODE  | kg  | CODE  | mm  | mm  | mm   | mm  | mm  | daN   |   |   |
| 60  | 42  | 0.13  | 347403  | 0.14  | 342103  | 86  | 48x48   | 34x34  | 6   | 74  | 30  |   |   |
| 75  | 48  | 0.16  | 347404  | 0.19  | 342104  | 102   | 48x48   | 34x34  | 6   | 87  | 30  |   |   |
| 100   | 57  | 0.51  | 347405  | 0.53  | 342105  | 127   | 60x60   | 42x42  | 6   | 115   | 40  |   |   |
















Grey polyamide 6 wheels

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| mm  | mm  | kg  | CODE  | kg  | CODE  | mm  | mm  | mm   | mm  | mm  | daN   |   |   |
| 60  | 42  | 0.09  | 342203  | 0.10  | 342303  | 93  | SPANNER 12  | M10  | 15  | 74  | 30  |   |   |
| 75  | 48  | 0.12  | 342204  | 0.13  | 342304  | 102   | SPANNER 12  | M10  | 15  | 87  | 30  |   |   |
| 100   | 57  | 0.54  | 342205  | 0.57  | 342305  | 127   | SPANNER 12  | M10  | 15  | 115   | 40  |   |   |



Transparent polypropylene wheels

|  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|--|---|---|---|---|---|
| mm  | mm  | kg  | CODE  | mm  | mm  | mm  | mm   | daN   |   |   |   |   |
| 50  | 54  | 0.09  | 347002  | 66  | 35x35   | 26x26   | 4  | 20  |   |   |   |   |



**Transparent polypropylene wheels**

|    |    |      |        |    |            |     |    |     |  |  |  |  |  |  |
|----|----|------|--------|----|------------|-----|----|-----|--|--|--|--|--|--|
|    |    |      |        |    |            |     |    |     |  |  |  |  |  |  |
| mm | mm | kg   | CODE   | mm | mm         | mm  | mm | daN |  |  |  |  |  |  |
| 50 | 54 | 0.08 | 347102 | 61 | SPANNER 12 | M10 | 15 | 20  |  |  |  |  |  |  |



**Blue polypropylene wheels**

|    |    |      |        |    |       |       |    |     |  |  |  |  |  |  |
|----|----|------|--------|----|-------|-------|----|-----|--|--|--|--|--|--|
|    |    |      |        |    |       |       |    |     |  |  |  |  |  |  |
| mm | mm | kg   | CODE   | mm | mm    | mm    | mm | daN |  |  |  |  |  |  |
| 50 | 54 | 0.09 | 347202 | 66 | 35x35 | 26x26 | 4  | 20  |  |  |  |  |  |  |



**Blue polypropylene wheels**

|    |    |      |        |    |            |     |    |     |  |  |  |  |  |  |
|----|----|------|--------|----|------------|-----|----|-----|--|--|--|--|--|--|
|    |    |      |        |    |            |     |    |     |  |  |  |  |  |  |
| mm | mm | kg   | CODE   | mm | mm         | mm  | mm | daN |  |  |  |  |  |  |
| 50 | 54 | 0.08 | 347302 | 61 | SPANNER 12 | M10 | 15 | 20  |  |  |  |  |  |  |



## RUBBER SPHERICAL WHEELS



45-65  
mm



20-40  
daN



0 / +40  
°C



### Description

Black rubber spherical wheels with chrome-plated brackets and electrolytically galvanised Zamak alloy fittings. The wheels are supplied in pair only (one right and one left wheels).

### Uses

Suitable for indoor applications, without aggressive chemicals. They can be used on fragile floors, even carpet.

Examples of recommended applications: house and office furniture with low carrying capacity.

### Environments of use

Suitable for domestic environments without aggressive chemicals.

|              |   |   |              |   |   |
|--------------|---|---|--------------|---|---|
| WEAK ACIDS   |  |  | WEAK BASES   |  |  |
| STRONG ACIDS |  |  | STRONG BASES |  |  |
| WATER        |  |  | HYDROCARBONS |  |  |
| ALCOHOL      |  |  | SOLVENTS     |  |  |

For information on the compatibility of the component wheel materials with specific aggressive chemical substances, see table at page 36.








### Floors

Suitable on tiles and delicate flooring; not recommended on abrasive, unpaved floors or in presence of processing residues.








Not recommended in presence of obstacles.
















|  | RH |      | LH     |      |  |  |  |  |  |  |  |  |  |  |
|---|----|------|--------|------|---|---|---|---|---|---|--|--|--|--|
|   | mm | kg   | CODE   | kg   | CODE  | mm  | mm  | mm  | mm  | daN   |  |  |  |  |
|   | 45 | 0.09 | 354101 | 0.09 | 354201  | 56  | 28x28   | 19x19   | 5   | <b>20</b>   |  |  |  |  |
|   | 55 | 0.14 | 354102 | 0.14 | 354202  | 66  | 38x38   | 27x27   | 5   | <b>30</b>   |  |  |  |  |
|   | 65 | 0.19 | 354103 | 0.19 | 354203  | 76  | 38x38   | 27x27   | 5   | <b>40</b>   |  |  |  |  |



|  | RH |      | LH     |      |  |  |  |  |  |  |  |  |  |  |
|---|----|------|--------|------|---|---|---|---|---|---|--|--|--|--|
|   | mm | kg   | CODE   | kg   | CODE  | mm  | mm  | mm  | mm  | daN   |  |  |  |  |
|   | 45 | 0.09 | 356101 | 0.09 | 356201  | 52  | SPANNER 12  | M8  | 15  | <b>20</b>   |  |  |  |  |
|   | 55 | 0.13 | 356102 | 0.13 | 356202  | 62  | SPANNER 12  | M8  | 15  | <b>30</b>   |  |  |  |  |
|   | 65 | 0.18 | 356103 | 0.18 | 356203  | 72  | SPANNER 12  | M10   | 15  | <b>40</b>   |  |  |  |  |



**Package with 2 wheels and 4 fittings**

|  |    |      |  |  |  |  |  |  |  |  |  |  |           |  |
|---|----|------|---|---|---|---|---|---|---|---|--|---|-----------|--|
|   | mm | kg   |   |   |   | mm  | mm  | mm  | mm  | mm  | mm   | daN   |           |  |
|   | 45 | 0.25 | 350001  |   |   | 52  | 28x28   | 19x19   | 5   | SPANNER 12  | M8   | 15  | <b>20</b> |  |
|   | 55 | 0.35 | 350002  |   |   | 62  | 38x38   | 27x27   | 5   | SPANNER 12  | M8   | 15  | <b>30</b> |  |

## TRANSPARENT POLYURETHANE WHEELS WITH METHACRYLATE CENTRE



### Description

Tyre: transparent polyurethane.

Centre: methacrylate.

Hub with plain bore hole which directly houses the axle.

Zinc-plated brackets.

### Uses

Suitable for indoor applications, without aggressive chemicals. They can be used on delicate flooring, even carpet.

Examples of recommended applications: house and office furniture with low carrying capacity.

### Environments of use

Suitable for domestic environments without aggressive chemicals.

|              |  |  |              |  |  |
|--------------|--|--|--------------|--|--|
| WEAK ACIDS   |  |  | WEAK BASES   |  |  |
| STRONG ACIDS |  |  | STRONG BASES |  |  |
| WATER        |  |  | HYDROCARBONS |  |  |
| ALCOHOL      |  |  | SOLVENTS     |  |  |

For information on the compatibility of the component wheel materials with specific aggressive chemical substances, see table at page 36.













### Floors

Suitable on tiles and fragile flooring; not recommended on abrasive, unpaved floors or in presence of processing residues.












Not recommended in presence of obstacles.





|  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
|--|---|---|--|---|---|---|---|---|---|--|--|--|--|--|--|
| mm   | mm  | kg  | CODE   | mm  | mm  | mm  | mm  | mm  | daN   |  |  |  |  |  |  |
| 50   | 20  | 0.14  | 392002  | 71  | 42x42   | 32x32   | 4.5   | 19  | <b>20</b>   |  |  |  |  |  |  |
| 75   | 22  | 0.33  | 392004  | 103   | 60x60   | 43x43   | 6.5   | 28  | <b>40</b>   |  |  |  |  |  |  |



|  |  |  |         |  |  |  |  |  |  |  |  |  |  |  |  |
|--|---|---|--|---|---|---|---|---|--|--|--|--|--|--|--|
| mm   | mm  | kg  | CODE   | mm  | mm  | mm  | mm  | daN   |  |  |  |  |  |  |  |
| 50   | 20  | 0.14  | 392102  | 71  | M8  | 15  | 19  | <b>20</b>   |  |  |  |  |  |  |  |
| 75   | 22  | 0.31  | 392104  | 103   | M10   | 25  | 28  | <b>40</b>   |  |  |  |  |  |  |  |

### Options available to order



Wheels  
with thread  
bracket  
d. 78 mm



Wheels  
with thread  
bracket  
d. 78 mm