

# PRODUCTS 2018

41/08  
WONDER



[www.wonder.auto](http://www.wonder.auto)



**70 YEARS OF EXPERIENCE**  
in design and production of tyre valves.

**MORE THAN 1 BILLION**  
valves produced.

**LEADER IN THE FIRST SUPPLY**  
to European car manufacturers.

Originally founded in 1947 in Cremona to manufacture only valves for tube tyres, WONDER moved gradually into the entire tyre valves and accessories business.

Today the company manufactures more than 50 million valves per year, being in position to offer a complete range of more than 400 items.

Production lines, developed by continuous investments, make use of most advanced technologies and provide a very high qualitative standard.

WONDER has been European leader in the supply of valves for OEM since 2008. It attained ISO/TS 16949:2009 quality certification in 2004 and UNI EN ISO 14001:2015 certification for an effective environmental management system.

In 2016 GM Europe awarded WONDER the General Motors Supplier Quality Excellence Award for the fifth year running.

**70 ANNI DI ESPERIENZA**  
nella progettazione e produzione di valvole per pneumatici.

**OLTRE 1 MILIARDO**  
di valvole prodotte.

**LEADER NELLA PRIMA FORNITURA**  
alle case automobilistiche europee.

Fondata nel 1947 a Cremona per produrre valvole per camere d'aria, WONDER si è progressivamente sviluppata all'interno del settore delle valvole e degli accessori per il gonfiaggio degli pneumatici.

Oggi WONDER produce più di 50 milioni di valvole all'anno, con una gamma completa di oltre 400 articoli.

Le nostre linee di produzione, aggiornate con continui investimenti, utilizzano le tecnologie più moderne e permettono di mantenere standard qualitativi straordinariamente elevati.

Dal 2008 WONDER è leader europeo nella fornitura di valvole per il primo equipaggiamento. Del 2004 è la certificazione di qualità ISO/TS 16949:2009 e più recente la UNI EN ISO 14001:2015 sul corretto sistema di gestione dell'azienda in rapporto all'ambiente.

Nel 2016 WONDER è stata premiata da GM Europa per il quinto anno consecutivo con il General Motors Supplier Quality Excellence Award.

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This catalogue shows all items WONDER markets at the date of its issue and it is made to be a helpful tool for the specialists of our field. For this reason you are invited to read carefully every technical specification and assembly instruction.

WONDER reserves the right to introduce to the present catalogue and to the products illustrated therein all the modifications or alterations deemed necessary without prior advice. Anyway every changing will be soon published on the company website [www.wonder.auto](http://www.wonder.auto).

The customer service is at your disposal for any further information.

Questo catalogo presenta tutti i prodotti che WONDER commercializza al momento della sua pubblicazione e intende essere uno strumento di lavoro per gli specialisti del settore. Per questo si invita a leggere con attenzione le specifiche tecniche e le indicazioni di montaggio.

WONDER si riserva il diritto di apportare qualunque modifica al catalogo e ai prodotti stessi senza preavviso; ogni aggiornamento sarà tempestivamente pubblicato sul sito web dell'azienda - [www.wonder.auto](http://www.wonder.auto).

Il servizio clienti è a disposizione per informazioni e chiarimenti.

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## TWO-WHEELERS TYRE VALVES PASSENGER CARS & LCV TYRE VALVES

All WONDER tyre valves are a Made in Italy product. The design and manufacturing of the products is constantly developed thanks to the professional skills and technological capabilities of our research team, in order to improve the performance, reliability and safety of our products.

70 years of experience in the field and the constant attention to our customers' requirements and suggestions make WONDER products unique.

The valves manufacturing process, entirely carried out in our plant in Cremona, starts with an accurate selection of raw materials and goes on with a strict control over every production step. Daily tests and computer-based controls that cover all the production lines manage to keep the quality of WONDER products constantly high.

The rubber compound used for our valves is produced internally according to a WONDER proprietary formula to guarantee the best possible quality of the product. The result is a compound extremely resistant to ozone and all weather conditions, thanks to the use of EPDM rubber supplemented with antioxidants. The endurance of WONDER valves is tested in salt spray chambers.

WONDER valves are mainly referring to two kinds of customers: big car manufacturers and retail market. We offer both sectors the same product with the same distinctive feature: the best quality ever.

Our valves satisfy the requirements of the main international reference standards (ISO, ETRTO, T&RA, DIN, SAE and JIS).

## VALVOLE DUE RUOTE VALVOLE AUTO & LCV

Le valvole WONDER sono un prodotto Made in Italy. Progettazione e sviluppo sono curati da un team interno specializzato che lavora per migliorare continuamente performance, affidabilità e sicurezza.

L'esperienza accumulata in oltre 70 anni di attività nel settore e l'attenzione costante alle richieste e ai suggerimenti dei nostri clienti rendono i prodotti WONDER unici al mondo.

La produzione, che avviene interamente nello stabilimento di Cremona, inizia dall'accurata selezione delle materie prime e prosegue attraverso un rigido controllo di ogni fase produttiva. Test giornalieri e controlli automatici sulle linee di produzione mantengono elevata la qualità dei prodotti WONDER.

La miscela utilizzata per le valvole è prodotta internamente secondo una formula proprietaria WONDER, per garantire la migliore qualità possibile del prodotto. Il risultato è una miscela estremamente resistente all'ozono e agli agenti atmosferici, grazie all'impiego di gomma EPDM integrata da antiossidanti. La resistenza delle valvole WONDER è testata in camere di nebbia salina.

Le valvole WONDER si rivolgono da sempre a due differenti tipologie di clienti: le grandi case automobilistiche e il mercato del ricambio. A entrambe le categorie offriamo lo stesso prodotto e la stessa qualità: la migliore possibile.

Le nostre valvole soddisfano i requisiti delle principali norme di riferimento internazionali (ISO, ETRTO, T&RA, DIN, SAE e JIS).



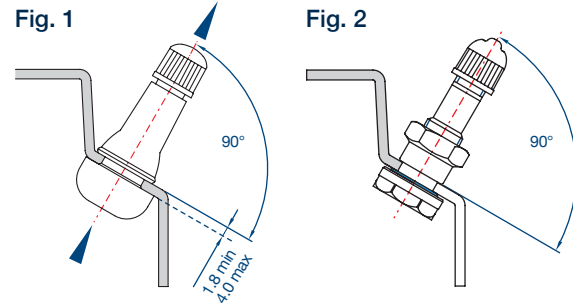
TYRE VALVE INSTALLATION

- Choice of the right valve model
- Valve diameter must perfectly suit rim hole diameter.
  - The valve must not overhang from the tyre side and must be accessible for inflation and pressure control.

- SNAP-IN installation (Fig. 1)
- Be sure the rim hole has a flat surface with no radial striations.
  - Lubricate the valve with water and insert it perpendicularly to the rim hole.
  - Pull the valve until the position shown in the picture is reached.

- Metallic valve installation (Fig. 2)
- Be sure the rim hole has a flat surface with no radial striations.
  - Insert the valve perpendicularly to the rim hole.
  - Tighten the nut at the recommended installation torque.

- Recommendations
- Replace SNAP-IN valves every time you change tyres.
  - Replace the core every time you disassemble it from the valve.
  - Replace the rubber seal every time you disassemble a metallic valve from the rim.



Video tutorial: [www.wonder.auto](http://www.wonder.auto) - Wonder Italia YouTube channel

MONTAGGIO DELLE VALVOLE

- Scelta della valvola corretta
- Il diametro della valvola deve essere perfettamente adatto al diametro del foro del cerchione.
  - La valvola non deve sporgere dal fianco dello pneumatico e deve essere accessibile per il gonfiaggio e il controllo della pressione.

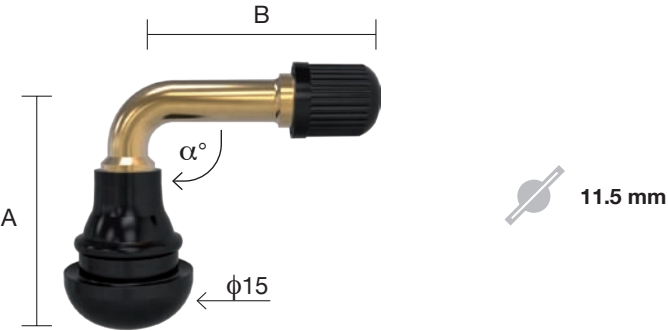
- Montaggio valvola SNAP-IN (Fig. 1)
- Controllare che il foro del cerchione non presenti bave e che la superficie di appoggio sia priva di sbavature.
  - Lubrificare con acqua e inserire la valvola con l'asse perpendicolare al foro del cerchione.
  - Tirare la valvola fino a che il collarino non avrà superato lo spessore del cerchione.

- Montaggio valvola metallica (Fig. 2)
- Controllare che il foro del cerchione non presenti bave e che la superficie di appoggio sia priva di sbavature.
  - Inserire la valvola con l'asse perpendicolare al foro del cerchione.
  - Serrare il dado rispettando la coppia di serraggio indicata.

- Raccomandazioni
- Sostituire la valvola gommata a ogni cambio di pneumatici.
  - Sostituire il meccanismo a ogni suo smontaggio dalla valvola.
  - Sostituire la guarnizione a ogni smontaggio di una valvola metallica dal cerchione.

| WONDER |         | A    | B  | $\alpha^\circ$ |
|--------|---------|------|----|----------------|
| n.     | code    | mm   | mm |                |
| 0527   | TUSCO   | 32.5 | 30 | 90             |
| 1200   | TUSCO P | 32.5 | 30 | 135            |

Rubbered tubeless valves  
Valvole tubeless gommate



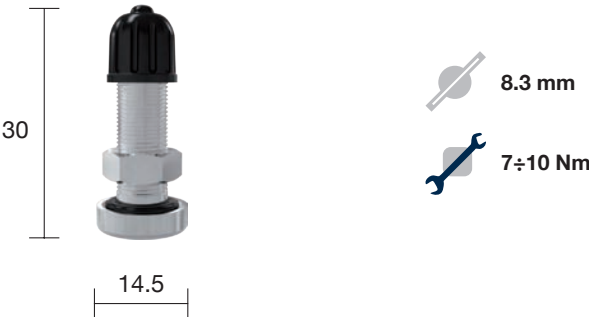
| WONDER |        |         |
|--------|--------|---------|
| n.     | code   | ETRTO   |
| 0534   | TUMOTO | V1-11-1 |

Brass tubeless valves, nickelplated  
Valvole tubeless in ottone, nichelate



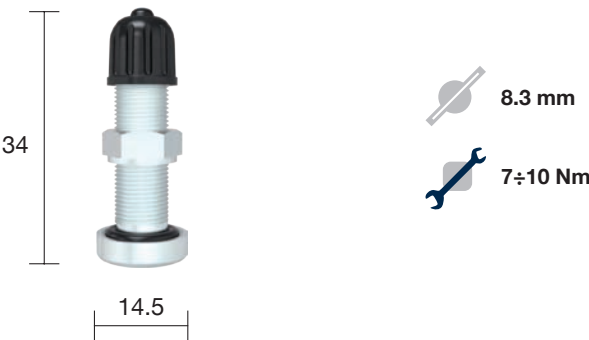
| WONDER |      |
|--------|------|
| n.     | code |
| 0533   | TUAP |

Brass tubeless valves, nickelplated  
Valvole tubeless in ottone, nichelate



| WONDER |      | MICHELIN |      |
|--------|------|----------|------|
| n.     | code | ETRTO    | n.   |
| 0535   | TUMO | V1-10-1  | 1674 |

Aluminium tubeless valves, anodized  
Valvole tubeless in alluminio anodizzato

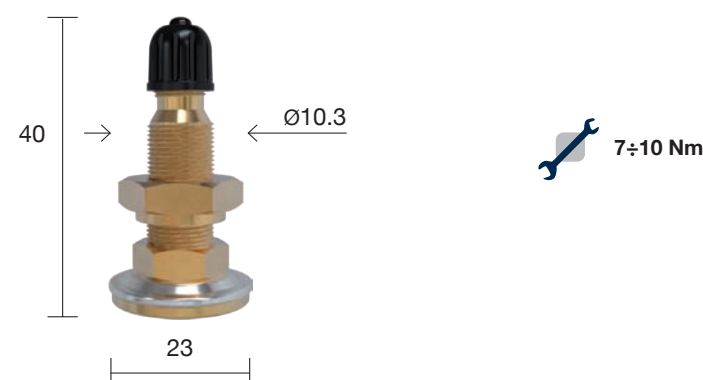


## TYRE VALVES VALVOLE PER PNEUMATICI

### WONDER

| n.   | code     |
|------|----------|
| 0555 | 10-40-24 |

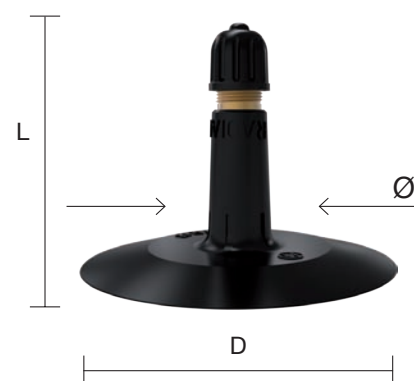
Metal base tube clamp-in type  
Tipo base metallica per camera d'aria



### WONDER

| n.   | code  | ETRTO   | TR | L<br>mm | D<br>mm | Ø<br>mm |
|------|-------|---------|----|---------|---------|---------|
| 6000 | TR 13 | V2-01-1 | 13 | 38      | 57      | 11.6    |

Valve with rubber base buffed not prepared  
Valvola con base non preparata



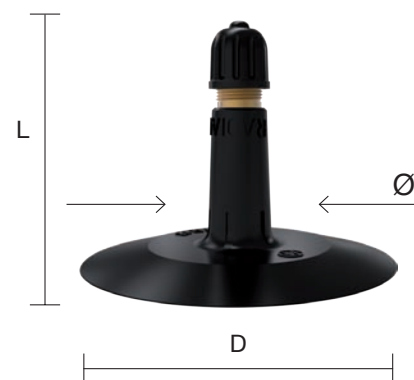
### WONDER

| n.    | code               | ETRTO   | TR    | L<br>mm | D<br>mm | Ø<br>mm |
|-------|--------------------|---------|-------|---------|---------|---------|
| 2000  | TR 13<br>King Cold | V2-01-1 | 13    | 38      | 57      | 11.6    |
| 2020* | TR 15<br>King Cold | -       | 13/15 | 38      | 57      | 16.5    |

Valve with rubber base prepared for cold or hot application to the tube  
Valvola con base preparata per applicazione a freddo o a caldo

\*The 2020 valve is made up by n. 2000 valve and n. 6065 plastic ferrule

\*La valvola è composta dalla valvola 2000 più l'anello 6065



### WONDER

| n.   | code    |
|------|---------|
| 6065 | PL/RING |

Plastic ring for transforming a TR 13 valve into a TR 15 valve  
Anello plastica per trasformare la valvola TR 13 in TR 15



## TYRE VALVES VALVOLE PER PNEUMATICI



### WONDER

| n.   | code     | ETRTO   | TR   | L<br>mm | L <sub>1</sub><br>mm | C<br>mm |
|------|----------|---------|------|---------|----------------------|---------|
| 1210 | TR 412   | V2-03-6 | 412  | 33      | 25                   | 15      |
| 1213 | TR 413   | V2-03-1 | 413  | 42.5    | 35                   | 15      |
| 1214 | TR 414   | V2-03-2 | 414  | 48.5    | 41                   | 15      |
| 1217 | TR 414/L | V2-03-8 | 414L | 56.5    | 49                   | 15      |
| 1218 | TR 418   | V2-03-4 | 418  | 61.5    | 54                   | 15      |

SNAP-IN passenger car tubeless tyre valves  
Valvole tubeless auto SNAP-IN

Maximum inflating pressure 4.50 bar at ambient temperature  
Pressione massima di gonfiaggio 4,50 bar a temperatura ambiente



### WONDER

| n.     | code     | ETRTO   | TR  | L<br>mm | L <sub>1</sub><br>mm | C<br>mm |
|--------|----------|---------|-----|---------|----------------------|---------|
| 1213/C | TR 413/C | V2-03-1 | 413 | 42.5    | 35                   | 15      |
| 1214/C | TR 414/C | V2-03-2 | 414 | 48.5    | 41                   | 15      |
| 1218/C | TR 418/C | V2-03-4 | 418 | 61.5    | 54                   | 15      |

SNAP-IN passenger car tubeless tyre valves  
Valvole tubeless auto SNAP-IN CROMATE

Valves with chromed sleeve  
Valvole con stelo cromato

Maximum inflating pressure 4.50 bar at ambient temperature  
Pressione massima di gonfiaggio 4,50 bar a temperatura ambiente



### WONDER

| n.   | code   | ETRTO   | TR  | L<br>mm | L <sub>1</sub><br>mm | C<br>mm |
|------|--------|---------|-----|---------|----------------------|---------|
| 1315 | TR 415 | V2-03-3 | 415 | 42.5    | 35                   | 19.2    |

SNAP-IN passenger car tubeless tyre valves  
Valvole tubeless auto SNAP-IN

Maximum inflating pressure 4.50 bar at ambient temperature  
Pressione massima di gonfiaggio 4,50 bar a temperatura ambiente



## TYRE VALVES VALVOLE PER PNEUMATICI

### WONDER

| n.   | code      | ETRTO   | TR     | L<br>mm | L <sub>1</sub><br>mm |
|------|-----------|---------|--------|---------|----------------------|
| 1220 | TR 600 HP | V3-23-1 | 600 HP | 43.8    | 32.2                 |
| 1221 | TR 602 HP | V3-23-2 | 602 HP | 62.4    | 50.8                 |

**HIGH PRESSURE SNAP-IN tubeless tyre valves**  
Valvole tubeless SNAP-IN ALTA PRESSIONE

Only for commercial vehicles up to 3.5 tons  
Solo per veicoli commerciali fino a 3,5 t

Maximum inflating pressure 5.50 bar at ambient temperature  
Pressione massima di gonfiaggio 5,50 bar a temperatura ambiente



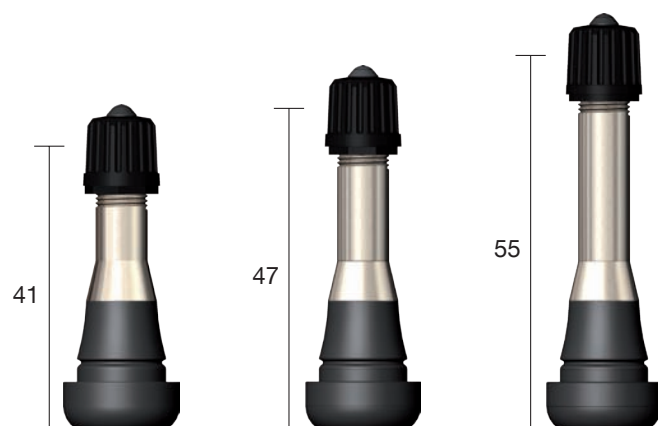
### WONDER

| n.   | L<br>mm |
|------|---------|
| 1203 | 41      |
| 1204 | 47      |
| 1207 | 55      |

**Nickelplated valves**  
Valvole nichelate

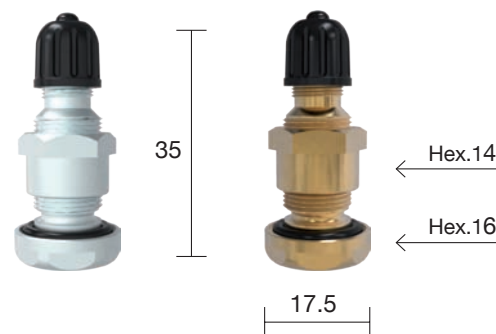
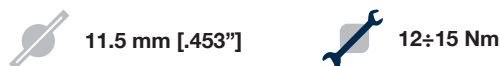
**HIGH PRESSURE SNAP-IN tubeless tyre valves**  
Valvole tubeless SNAP-IN ALTA PRESSIONE

Maximum inflating pressure 14 bar  
Pressione massima di gonfiaggio 14 bar



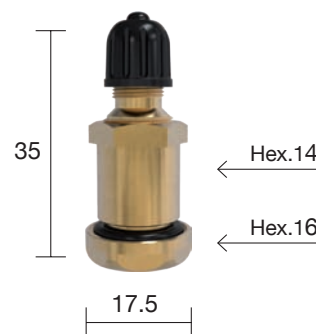
### WONDER

| n.   | code  | ETRTO   | MICHELIN<br>n. | material           |
|------|-------|---------|----------------|--------------------|
| 1405 | TU/AL | V2-04-1 | 1446           | anodized aluminium |
| 1406 | TU/OT | V2-04-1 | 1510           | brass              |



### WONDER

| n.   | code    | ETRTO   | MICHELIN<br>n. | material |
|------|---------|---------|----------------|----------|
| 1400 | TU/OTDA | V2-04-1 | 1914           | brass    |



## TYRE VALVES VALVOLE PER PNEUMATICI

### WONDER

| n.   | code  |
|------|-------|
| 1350 | BMW   |
| 1351 | BMW-L |
| 1352 | BMW-N |

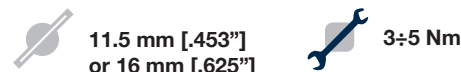
**Nickelplated valves**  
Valvole nichelate



### WONDER

| n.   | code | ETRTO   | TR    | Ø<br>mm | Hex |
|------|------|---------|-------|---------|-----|
| 1401 | 11-T | V2-05-1 | 416 S | 11.5    | 14  |
| 1402 | 16-T | V2-05-2 | 416   | 16      | 18  |

**Nickelplated valves**  
Valvole nichelate



### WONDER

| n.   | code    | ETRTO   | TR    | MICHELIN<br>n. |
|------|---------|---------|-------|----------------|
| 1399 | 11-T-DA | V2-05-1 | 416 S | 2103           |

**Nickelplated valves**  
Valvole nichelate



### WONDER

| n.   | code | RIM       |
|------|------|-----------|
| 1415 | TUSP | Speedline |

**Nickelplated valves**  
Valvole nichelate



### WONDER

| n.   | code  | MICHELIN<br>n. |
|------|-------|----------------|
| 1410 | TU/MI | 1533           |

**Nickelplated valves**  
Valvole nichelate



TYRE VALVES  
VALVOLE PER PNEUMATICI

TRUCK & BUS TYRE VALVES  
TRACTOR TYRE VALVES  
LARGE BORE TYRE VALVES

WONDER offers a complete range of valves designed for heavy transport means, with different types of valves for inner tubes and tubeless valves. The company is able to provide a large range of extensions and assembling service tools.

Truck tyre valves are designed in order to maintain the optimal pressure inside the tyre under extreme conditions. This allows to save a great amount of fuel and guarantees higher safety and better driving performances.

The quality of all WONDER products is guaranteed by computer-based controls on the production lines and daily tests in the in-house laboratories.

VALVOLE AUTOCARRO  
VALVOLE TRATTORE  
VALVOLE GRANDE SEZIONE

WONDER offre una gamma completa di valvole per mezzi pesanti, con diverse tipologie di valvole per camere d'aria e tubeless. L'azienda è in grado di fornire anche una vasta gamma di prolunghe e accessori per il montaggio.

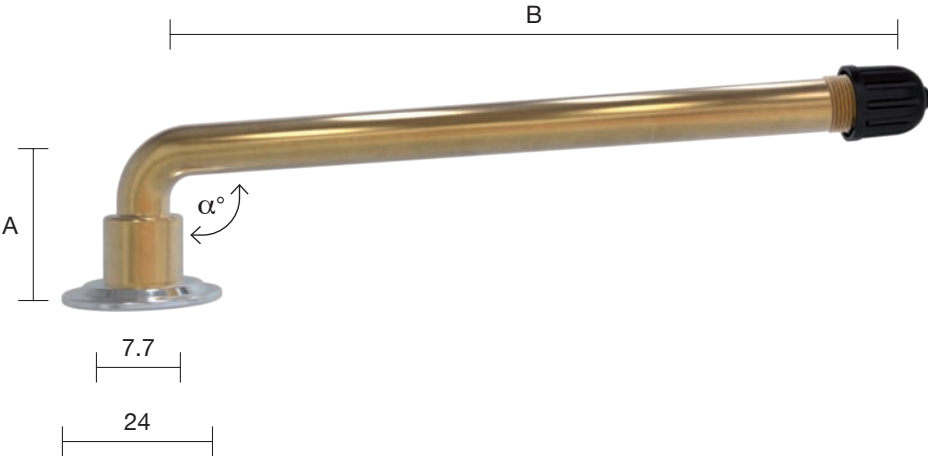
Le valvole per autocarro sono progettate per mantenere la pressione ottimale negli pneumatici in condizioni estreme, consentendo un notevole risparmio di carburante e assicurando una maggiore sicurezza di guida.

La qualità dei prodotti WONDER è garantita da controlli automatizzati sulle linee di produzione e da test giornalieri eseguiti dai nostri tecnici nei laboratori interni.

TYRE VALVES  
VALVOLE PER PNEUMATICI

| WONDER |         |       | TR  | MICHELIN |
|--------|---------|-------|-----|----------|
| n.     | code    | ETRTO | n.  | n.       |
| 1602   | VU 0/70 | -     | 227 | 573      |

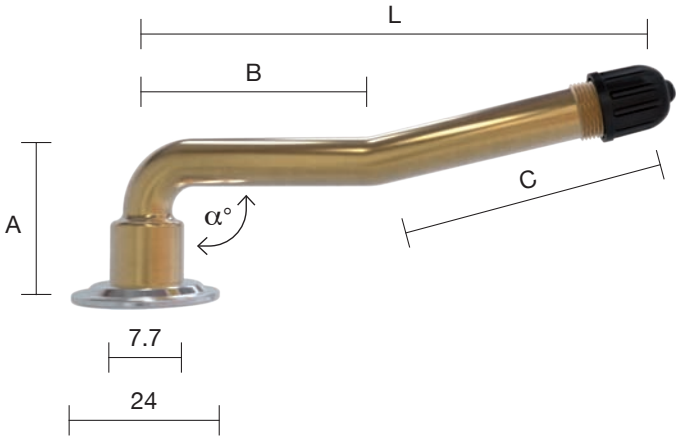
Universal screw-on valves  
Valvole avvitabili



| WONDER |          |          | TR     | MICHELIN | A  | B   | α°  |
|--------|----------|----------|--------|----------|----|-----|-----|
| n.     | code     | ETRTO    | equiv. | n.       | mm | mm  |     |
| 1611   | VU 1/40  | V3-02-2  | 227    | 570      | 22 | 43  | 120 |
| 1612   | VU 1/44  | V3-02-3  | 274    | 576      | 33 | 44  | 95  |
| 1613   | VU 1/47  | V3-02-4  | 274    | 577      | 39 | 44  | 110 |
| 1615   | VU 1/50  | V3-02-5  | 274    | 1003     | 20 | 47  | 90  |
| 1633   | VU 1/56  | V3-02-20 | 274    | 750      | 22 | 56  | 95  |
| 1617   | VU 1/60  | V3-02-19 | -      | -        | 20 | 60  | 94  |
| 1619   | VU 1/70  | V3-02-7  | 75     | 1188     | 22 | 71  | 100 |
| 1618   | VU 1/73  | V3-02-18 | 75     | 1288     | 22 | 74  | 90  |
| 1635   | VU 1/75  | V3-02-27 | 75     | -        | 20 | 75  | 94  |
| 1621   | VU 1/88  | V3-02-8  | 76     | 1337     | 20 | 89  | 94  |
| 1620   | VU 1/98  | V3-02-9  | 177    | 1156     | 20 | 99  | 94  |
| 1632   | VU 1/105 | V3-02-26 | 77     | 1113     | 22 | 105 | 94  |
| 1622   | VU 1/115 | V3-02-10 | 175    | 1021     | 20 | 115 | 94  |
| 1631   | VU 1/120 | V3-02-22 | 78     | 791      | 32 | 117 | 94  |
| 1623   | VU 1/125 | V3-02-11 | 78     | 982      | 20 | 126 | 98  |
| 1624   | VU 1/130 | V3-02-12 | 178    | 1157     | 20 | 132 | 94  |
| 1625   | VU 1/132 | V3-02-13 | 178    | 751      | 20 | 133 | 90  |
| 1627   | VU 1/144 | V3-02-15 | 179    | 1338     | 20 | 145 | 94  |
| 1628   | VU 1/148 | V3-02-16 | 79     | 1107     | 20 | 149 | 90  |
| 1629   | VU 1/155 | V3-02-17 | -      | 752      | 20 | 156 | 90  |

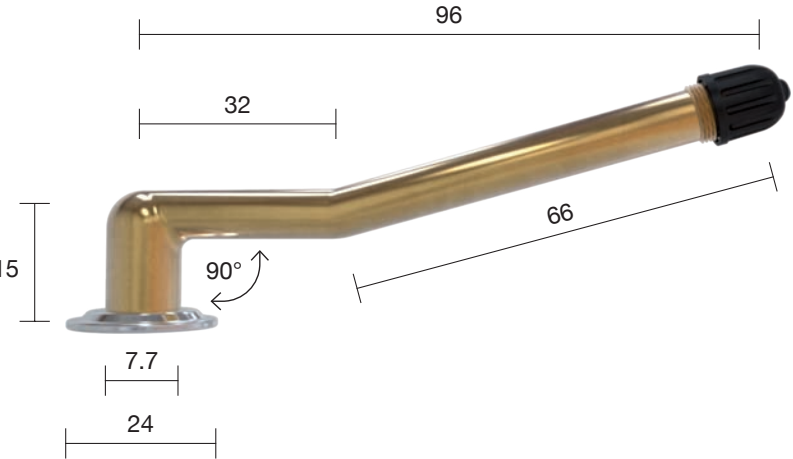
Universal screw-on valves  
Valvole avvitabili

TYRE VALVES  
VALVOLE PER PNEUMATICI

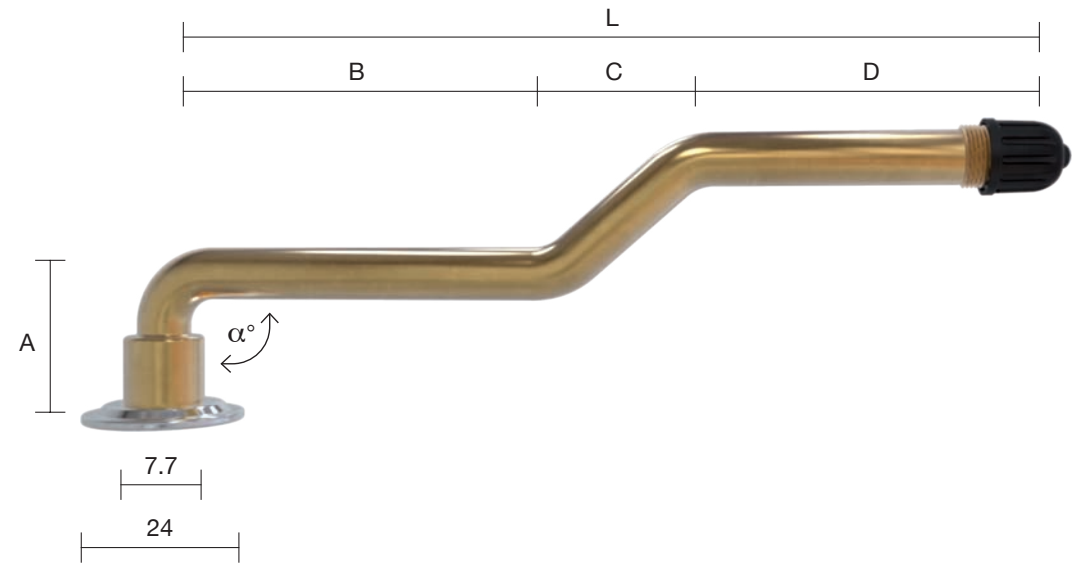


| WONDER |           |          | TR     |      | MICHELIN | A  | B  | C  | L   | α° |
|--------|-----------|----------|--------|------|----------|----|----|----|-----|----|
| n.     | code      | ETRTO    | equiv. | n.   |          | mm | mm | mm | mm  |    |
| 1655   | VU 2/5    | V3-04-1  | -      | 578  |          | 20 | 32 | 37 | 67  | 90 |
| 1656   | VU 2/6    | V3-04-2  | -      | 579  |          | 20 | 38 | 41 | 77  | 90 |
| 1653   | VU 2/88   | V3-04-16 | -      | 1489 |          | 20 | 38 | 50 | 86  | 90 |
| 1657   | VU 2/7    | V3-04-3  | -      | 781  |          | 20 | 59 | 39 | 96  | 94 |
| 1672   | VU 2/105  | V3-04-17 | -      | 1490 |          | 20 | 65 | 45 | 108 | 94 |
| 1658   | VU 2/8    | V3-04-4  | -      | 782  |          | 20 | 74 | 40 | 112 | 94 |
| 1673   | VU 2/112  | V3-04-18 | -      | 1491 |          | 20 | 72 | 45 | 115 | 90 |
| 1661   | VU 2/10A  | V3-04-5  | 78     | 755  |          | 20 | 76 | 47 | 121 | 90 |
| 1674   | VU 2/120  | V3-04-19 | -      | 1492 |          | 20 | 80 | 45 | 123 | 90 |
| 1662   | VU 2/10US | V3-02-6  | -      | 734  |          | 20 | 86 | 47 | 131 | 90 |

Universal screw-on valves  
Valvole avvitabili



Universal screw-on valves with extra low first bend  
Valvole avvitabili a prima piega bassa



| WONDER |          |          | TR     |      | MICHELIN | A  | B  | C  | D  | L   | α° |
|--------|----------|----------|--------|------|----------|----|----|----|----|-----|----|
| n.     | code     | ETRTO    | equiv. | n.   |          | mm | mm | mm | mm | mm  |    |
| 1686   | VU 3/6   | V3-06-1  | -      | 922  |          | 20 | 30 | 20 | 35 | 85  | 90 |
| 1687   | VU 3/7   | V3-06-2  | 77     | 580  |          | 20 | 44 | 12 | 38 | 94  | 90 |
| 1693   | VU 3/106 | V3-06-7  | 175    | 1348 |          | 20 | 45 | 19 | 42 | 106 | 90 |
| 1684   | VU 3/113 | V3-06-15 | -      | -    |          | 20 | 60 | 13 | 40 | 113 | 94 |
| 1688   | VU 3/8   | V3-06-3  | 78     | 581  |          | 20 | 46 | 20 | 48 | 114 | 90 |
| 1683   | VU 3/116 | V3-06-12 | 78     | 1473 |          | 23 | 72 | 19 | 25 | 116 | 90 |
| 1694   | VU 3/126 | V3-06-8  | 78     | 1123 |          | 24 | 62 | 14 | 50 | 126 | 94 |
| 1690   | VU 3/10  | V3-06-5  | 179    | 582  |          | 20 | 62 | 20 | 49 | 131 | 90 |
| 1695   | VU 3/141 | V3-06-9  | 79     | -    |          | 20 | 67 | 20 | 54 | 131 | 90 |
| 1692   | VU 3/12  | V3-06-6  | -      | 819  |          | 20 | 79 | 20 | 37 | 135 | 90 |
| 1681   | VU 3/138 | V3-06-17 | -      | -    |          | 20 | 75 | 13 | 50 | 138 | 94 |

Universal screw-on valves  
Valvole avvitabili

TYRE VALVES  
VALVOLE PER PNEUMATICI

| WONDER |          |         | TR     | MICHELIN |
|--------|----------|---------|--------|----------|
| n.     | code     | ETRTO   | equiv. | n.       |
| 1675   | VU 2/92P | V3-05-1 | 76     | 1221     |

TYRE VALVES  
VALVOLE PER PNEUMATICI

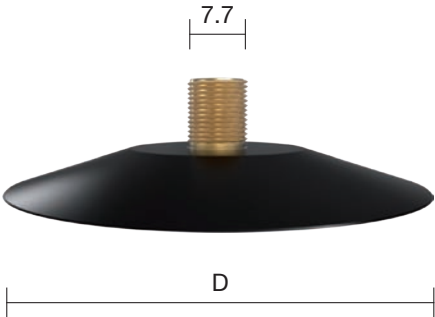
| WONDER |      |         | MICHELIN |  |
|--------|------|---------|----------|--|
| n.     | code | ETRTO   | n.       |  |
| 1111   | RVU  | V9-05-1 | 569      |  |

Flat rubber washer  
Guarnizione gomma



| WONDER |      |         | MICHELIN |  | D  |
|--------|------|---------|----------|--|----|
| n.     | code | ETRTO   | n.       |  | mm |
| 1110   | BVU  | V3-08-3 | 575      |  | 80 |
| 1114   | BVR  | V3-08-4 | 1548     |  | 57 |

Rubbered spud with base buffed not prepared  
Base non preparata



| WONDER |               |         |
|--------|---------------|---------|
| n.     | code          | ETRTO   |
| 2350   | BVU King Cold | V3-08-3 |

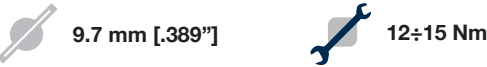
Rubbered spud with base prepared for cold or hot application to the tube  
Base preparata per applicazione a freddo o a caldo



TYRE VALVES  
VALVOLE PER PNEUMATICI

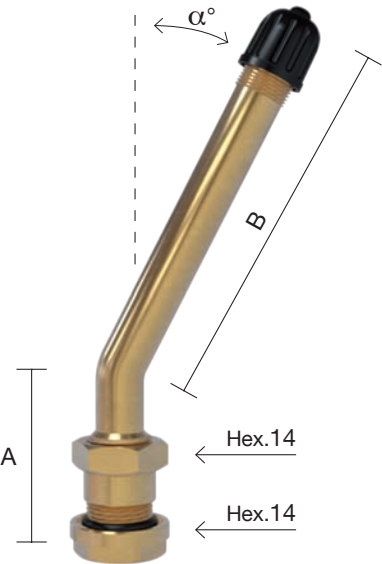
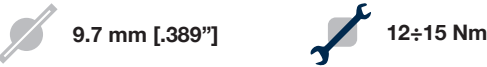
| WONDER |          |         | MICHELIN | L  |
|--------|----------|---------|----------|----|
| n.     | code     | ETRTO   | n.       | mm |
| 1420*  | TURING 1 | V3-20-1 | 964      | 36 |
| 1421   | TURING 2 | -       | -        | 90 |

\*On request nickelplated  
\*Su richiesta nichelata

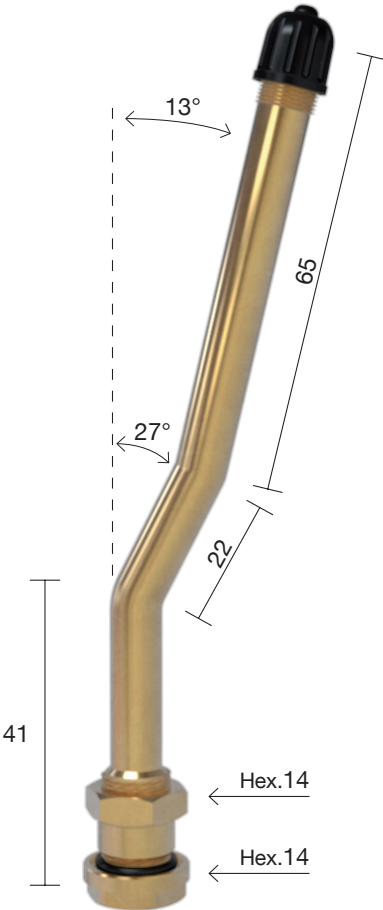


| WONDER |           |          | MICHELIN |  | A  | B   | α° |
|--------|-----------|----------|----------|--|----|-----|----|
| n.     | code      | ETRTO    | n.       |  | mm | mm  |    |
| 1425   | TURING 5  | V3-20-2  | -        |  | 30 | 60  | 17 |
| 1426   | TURING 6  | V3-20-4  | 1485     |  | 25 | 60  | 27 |
| 1427*  | TURING 7  | V3-20-5  | 1486     |  | 25 | 40  | 27 |
| 1428   | TURING 8  | V3-20-6  | 1487     |  | 25 | 85  | 27 |
| 1429   | TURING 9  | V3-20-7  | 1500     |  | 25 | 50  | 27 |
| 1430   | TURING 10 | V3-20-8  | -        |  | 29 | 85  | 12 |
| 1432   | TURING 12 | V3-20-12 | 1680     |  | 25 | 70  | 27 |
| 1433   | TURING 13 | V3-20-10 | -        |  | 50 | 25  | 27 |
| 1434   | TURING 14 | -        | -        |  | 85 | 25  | 28 |
| 1417   | TURING 17 | -        | 1898     |  | 25 | 80  | 27 |
| 1424   | TURING 18 | -        | 1798     |  | 25 | 60  | 17 |
| 1423   | TURING 19 | -        | -        |  | 25 | 103 | 27 |

\*On request nickelplated \*Su richiesta nichelata



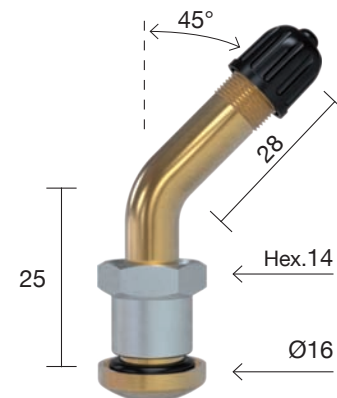
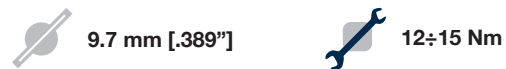
| WONDER |           |
|--------|-----------|
| n.     | code      |
| 1431   | TURING 11 |



## TYRE VALVES VALVOLE PER PNEUMATICI

| WONDER |           |         | MICHELIN |
|--------|-----------|---------|----------|
| n.     | code      | ETRTO   | n.       |
| 1390   | TURING 90 | V3-22-1 | 2123     |

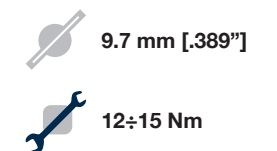
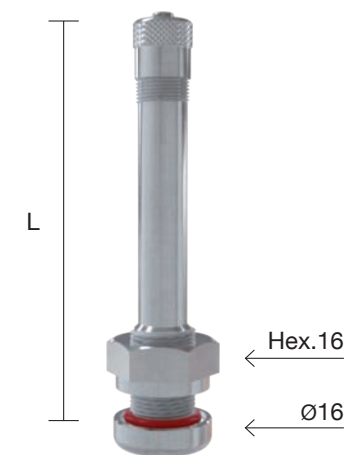
Oval shape foot for disc brakes wheels  
Piede lenticolare per ruote con freno a disco



## TYRE VALVES VALVOLE PER PNEUMATICI

| WONDER |           |     | L  |
|--------|-----------|-----|----|
| n.     | code      | TR  | mm |
| 1359   | TURING 59 | 542 | 32 |
| 1370   | TURING 70 | 543 | 59 |
| 1371   | TURING 71 | 545 | 89 |
| 1367   | TURING 67 | 544 | 75 |

Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera

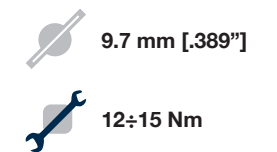
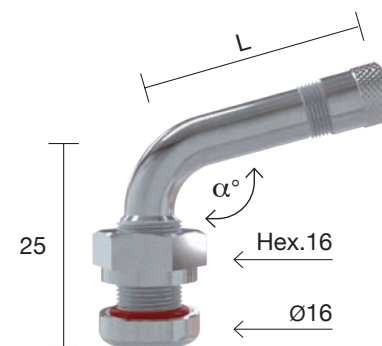


| WONDER |           |          | MICHELIN |
|--------|-----------|----------|----------|
| n.     | code      | ETRTO    | n.       |
| 1413   | TURING 23 | V3-20-11 | 1750     |



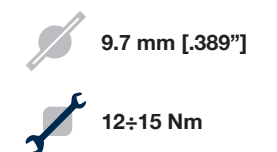
| WONDER |              |        | L  | α°  |
|--------|--------------|--------|----|-----|
| n.     | code         | TR     | mm |     |
| 1360   | TURING 60    | 543D   | 35 | 120 |
| 1361   | TURING 61    | 543E   | 35 | 105 |
| 1362   | TURING 62    | 543C   | 35 | 135 |
| 1364   | TURING 64    | 545D   | 66 | 120 |
| 1366   | TURING 66    | 544D   | 50 | 120 |
| 1368   | TURING 68    | 546D   | 85 | 120 |
| 1372   | TURING 68/36 | 546-36 | 85 | 144 |

Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera



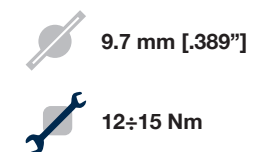
| WONDER |               |           |
|--------|---------------|-----------|
| n.     | code          | RIM       |
| 1411/C | TURING 1 SPEC | Speedline |

Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera



| WONDER |               |           |
|--------|---------------|-----------|
| n.     | code          | RIM       |
| 1414/C | TURING 7 SPEC | Speedline |

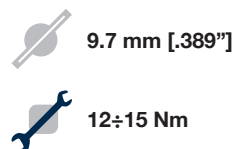
Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera



# TYRE VALVES VALVOLE PER PNEUMATICI

| WONDER | ALCOA |       |
|--------|-------|-------|
| n.     | n.    | RIM   |
| 1337   | 40MS  | ALCOA |

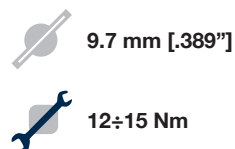
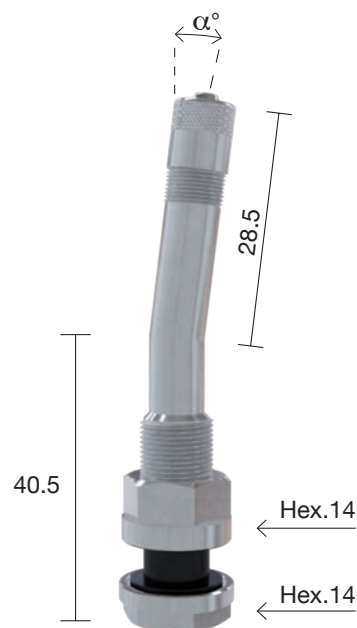
Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera



| WONDER | ALCOA | α° |       |
|--------|-------|----|-------|
| n.     | n.    |    | RIM   |
| 1334   | 70MS  | 7  | ALCOA |

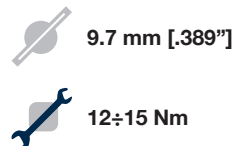
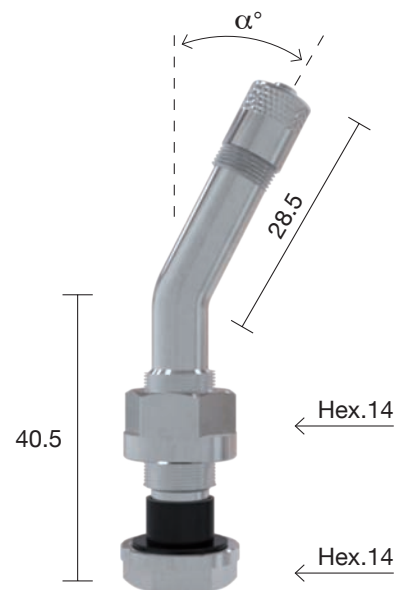
Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera

New version replacing valve 1340  
Nuova versione modello 1340



| WONDER | ALCOA   | α° |       |
|--------|---------|----|-------|
| n.     | n.      |    | RIM   |
| 1330   | 70MS-27 | 27 | ALCOA |

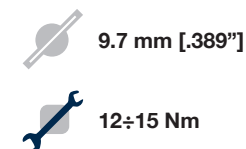
Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera



# TYRE VALVES VALVOLE PER PNEUMATICI

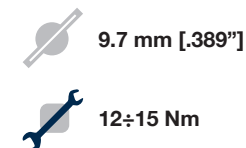
| WONDER | ALCOA |       |
|--------|-------|-------|
| n.     | n.    | RIM   |
| 1335   | 54MS  | ALCOA |

Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera



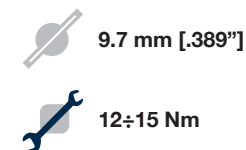
| WONDER | ALCOA |       |
|--------|-------|-------|
| n.     | n.    | RIM   |
| 1336   | TR554 | ALCOA |

Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera



| WONDER | ALCOA |       |
|--------|-------|-------|
| n.     | n.    | RIM   |
| 1333   | 60MS  | ALCOA |

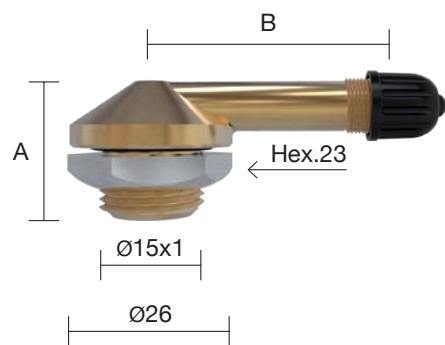
Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera



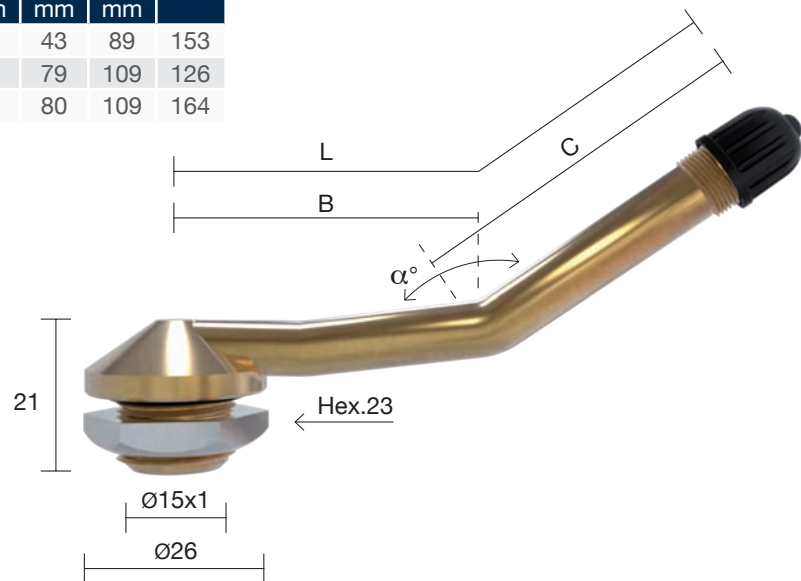
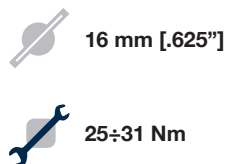
# TYRE VALVES

## VALVOLE PER PNEUMATICI

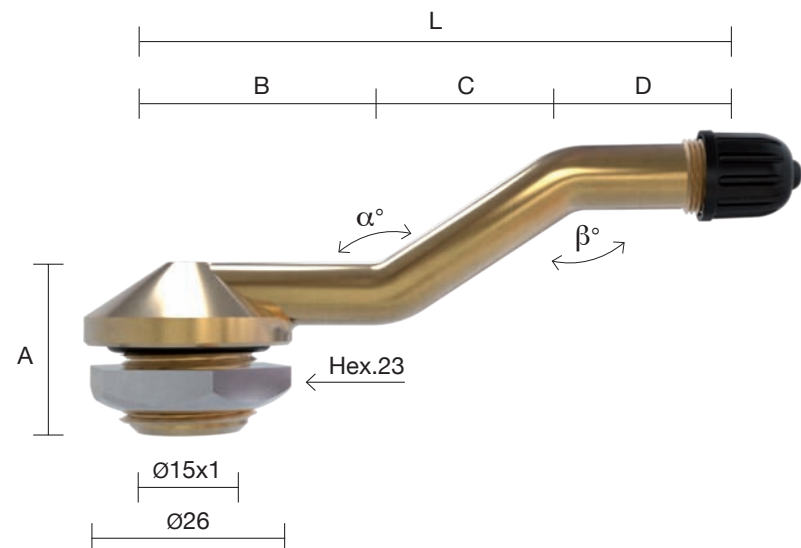
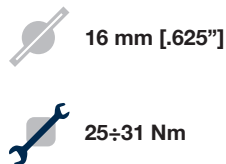
| WONDER |           |         | MICHELIN |  | A  | B  |
|--------|-----------|---------|----------|--|----|----|
| n.     | code      | ETRTO   | n.       |  | mm | mm |
| 1150   | TUCA 1 SP | -       | -        |  | 25 | 40 |
| 1151   | TUCA 1    | V3-12-1 | 1294     |  | 21 | 40 |
| 1152   | TUCA 2    | V3-12-2 | 1470     |  | 21 | 95 |



| WONDER |        |         | MICHELIN |  | B  | C  | L   | α°  |
|--------|--------|---------|----------|--|----|----|-----|-----|
| n.     | code   | ETRTO   | n.       |  | mm | mm | mm  |     |
| 1155   | TUCA 3 | V3-13-1 | 1459     |  | 46 | 43 | 89  | 153 |
| 1156   | TUCA 4 | V3-13-2 | 1537     |  | 30 | 79 | 109 | 126 |
| 1157   | TUCA 5 | -       | 1311     |  | 29 | 80 | 109 | 164 |



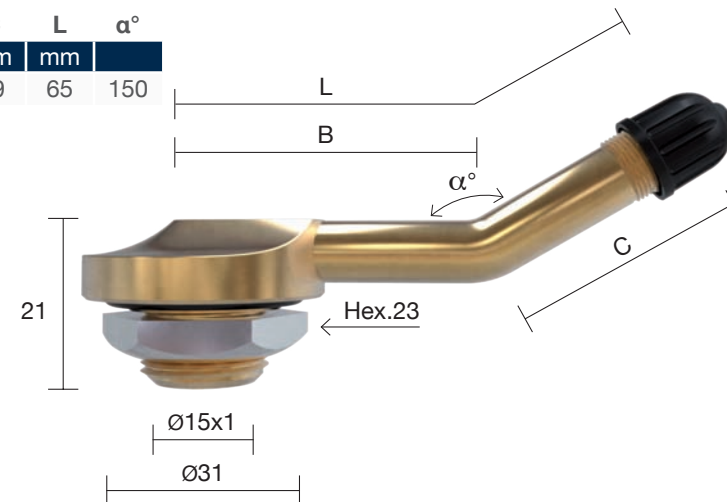
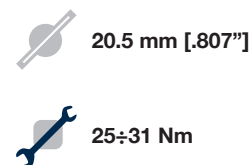
| WONDER |          |         | MICHELIN |  | A  | B  | C  | D  | L   | α°  | β°  |
|--------|----------|---------|----------|--|----|----|----|----|-----|-----|-----|
| n.     | code     | ETRTO   | n.       |  | mm | mm | mm | mm | mm  |     |     |
| 1158   | TUCA 75  | -       | 1875     |  | 21 | 26 | 26 | 35 | 87  | 147 | 147 |
| 1160   | TUCA 6   | V3-14-1 | 806      |  | 21 | 26 | 22 | 24 | 72  | 147 | 147 |
| 1161   | TUCA 7   | V3-14-2 | 808      |  | 21 | 45 | 22 | 24 | 91  | 147 | 147 |
| 1162   | TUCA 8   | V3-14-3 | 1184     |  | 21 | 36 | 22 | 24 | 83  | 147 | 147 |
| 1163   | TUCA 9   | -       | 1632     |  | 21 | 25 | 40 | 44 | 110 | 167 | 167 |
| 1165   | TUCA 8SP | -       | -        |  | 25 | 36 | 22 | 24 | 83  | 147 | 147 |



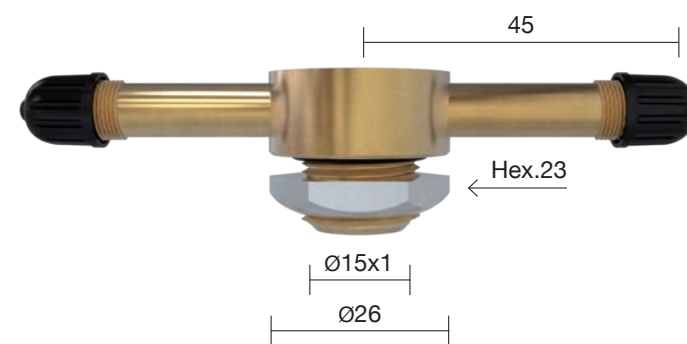
# TYRE VALVES

## VALVOLE PER PNEUMATICI

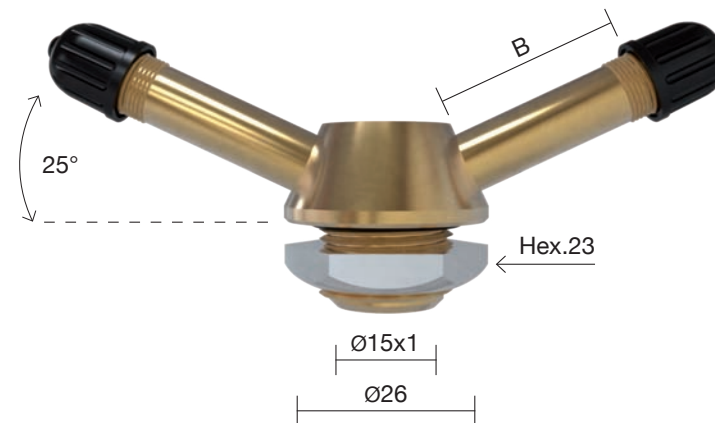
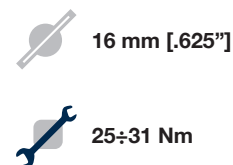
| WONDER |         |         | MICHELIN |  | B  | C  | L  | α°  |
|--------|---------|---------|----------|--|----|----|----|-----|
| n.     | code    | ETRTO   | n.       |  | mm | mm | mm |     |
| 1170   | TUCA 10 | V3-16-1 | 1013     |  | 36 | 29 | 65 | 150 |



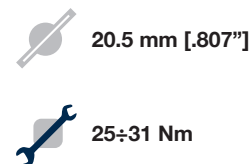
| WONDER |         | MICHELIN |  |
|--------|---------|----------|--|
| n.     | code    | n.       |  |
| 1140   | TUCA 40 | 1550     |  |



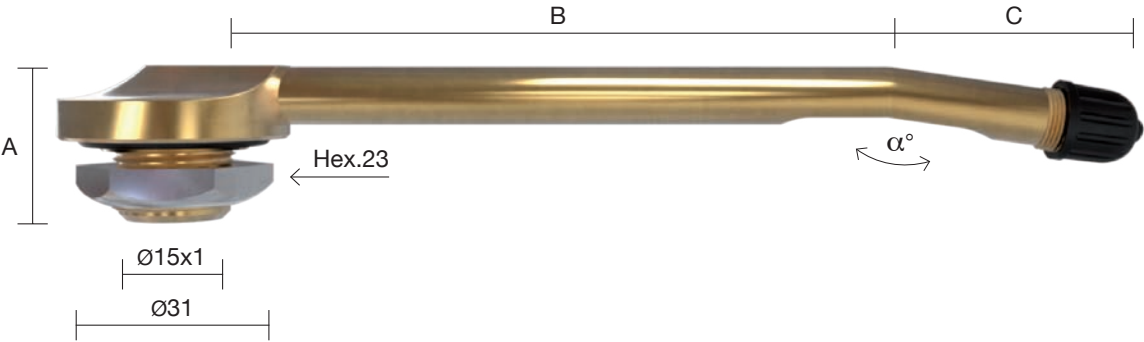
| WONDER |         | MICHELIN |  | B  |
|--------|---------|----------|--|----|
| n.     | code    | n.       |  | mm |
| 1141   | TUCA 41 | 1581     |  | 30 |
| 1142   | TUCA 42 | 2225     |  | 24 |



| WONDER |         |         | MICHELIN |  | A  | B  | α°  |
|--------|---------|---------|----------|--|----|----|-----|
| n.     | code    | ETRTO   | n.       |  | mm | mm |     |
| 1171   | TUCA 21 | V3-15-1 | 1089     |  | 14 | 22 | 110 |
| 1172   | TUCA 22 | V3-15-2 | 1051     |  | 11 | 15 | 95  |



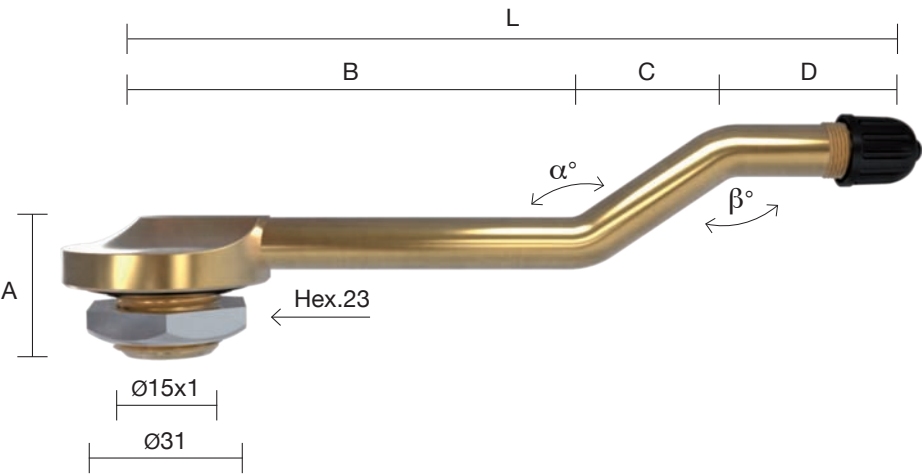
TYRE VALVES  
VALVOLE PER PNEUMATICI



| WONDER |         |         | MICHELIN |    |     | A  | B   | C  | α° |
|--------|---------|---------|----------|----|-----|----|-----|----|----|
| n.     | code    | ETRTO   | n.       | mm | mm  | mm | mm  | mm |    |
| 1182   | TUCA 17 | V3-17-1 | 909      | 21 | 99  | 31 | 172 |    |    |
| 1183   | TUCA 18 | V3-17-2 | 963      | 21 | 116 | 31 | 172 |    |    |
| 1185   | TUCA 91 | -       | 1091     | 25 | 153 | 31 | 172 |    |    |

20.5 mm [.807"]

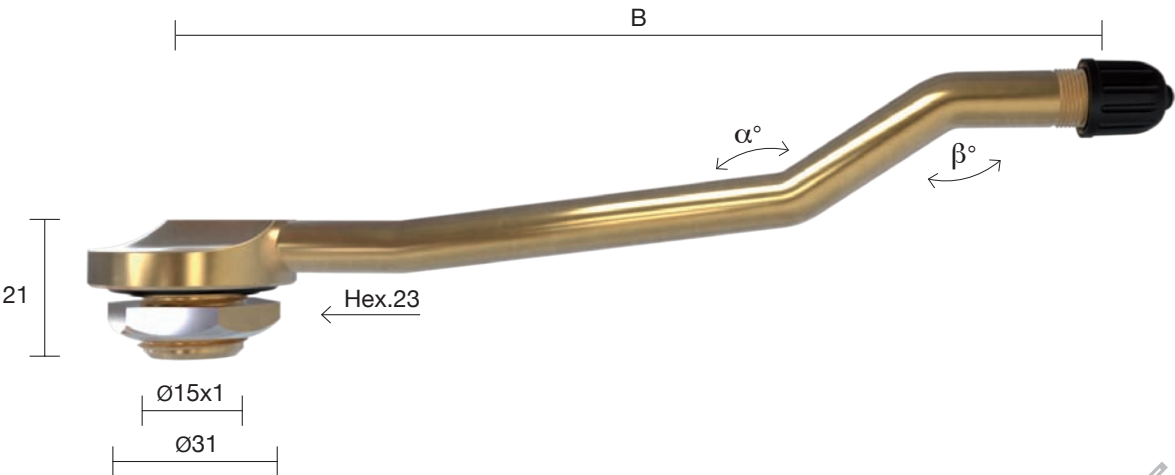
25÷31 Nm



20.5 mm [.807"]

25÷31 Nm

| WONDER |         |         | MICHELIN |    |     | A  | B  | C   | D   | L  | α° |
|--------|---------|---------|----------|----|-----|----|----|-----|-----|----|----|
| n.     | code    | ETRTO   | n.       | mm | mm  | mm | mm | mm  | mm  | mm |    |
| 1175   | TUCA 11 | V3-18-1 | 907      | 21 | 64  | 21 | 25 | 110 | 146 |    |    |
| 1176   | TUCA 12 | V3-18-4 | 1116     | 21 | 51  | 21 | 38 | 110 | 138 |    |    |
| 1177   | TUCA 13 | V3-18-2 | 920      | 21 | 81  | 21 | 25 | 127 | 146 |    |    |
| 1178   | TUCA 14 | V3-18-5 | 1117     | 21 | 68  | 21 | 38 | 127 | 138 |    |    |
| 1179   | TUCA 19 | -       | 915      | 21 | 48  | 21 | 25 | 94  | 146 |    |    |
| 1184   | TUCA 90 | -       | 1090     | 25 | 113 | 21 | 28 | 163 | 146 |    |    |



20.5 mm [.807"]

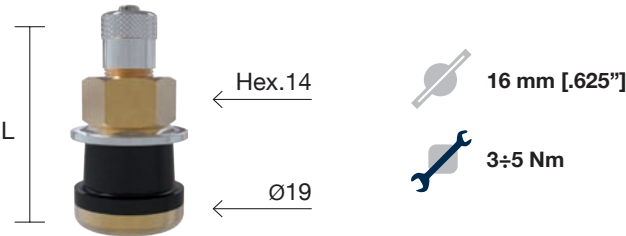
25÷31 Nm

| WONDER |         |         | MICHELIN |     |     | B   | α° | β° |
|--------|---------|---------|----------|-----|-----|-----|----|----|
| n.     | code    | ETRTO   | n.       | mm  |     | mm  |    |    |
| 1180   | TUCA 15 | V3-19-1 | 911      | 138 | 151 | 145 |    |    |
| 1181   | TUCA 16 | V3-19-3 | 1505     | 137 | 157 | 151 |    |    |

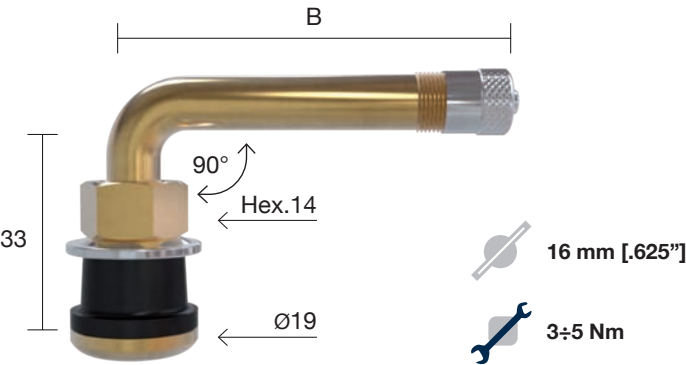
TYRE VALVES  
VALVOLE PER PNEUMATICI

| WONDER |         |         |     | L   |
|--------|---------|---------|-----|-----|
| n.     | code    | ETRTO   | TR  | mm  |
| 1435   | TUGRO 1 | V3-21-1 | 575 | 29  |
| 1436   | TUGRO 2 | V3-21-2 | 501 | 38  |
| 1437   | TUGRO 3 | V3-21-3 | 500 | 51  |
| 1438*  | TUGRO 4 | V3-21-4 | 570 | 80  |
| 1439*  | TUGRO 5 | V3-21-5 | 571 | 86  |
| 1440*  | TUGRO 6 | V3-21-6 | 572 | 95  |
| 1441*  | TUGRO 7 | V3-21-7 | 573 | 111 |
| 1442*  | TUGRO 8 | V3-21-8 | 574 | 127 |

\* Bendable valves  
\* Valvole pieghevoli



| WONDER |          |          |      | B  |
|--------|----------|----------|------|----|
| n.     | code     | ETRTO    | TR   | mm |
| 1443   | TUGRO 9  | V3-21-9  | 570C | 51 |
| 1444   | TUGRO 10 | V3-21-10 | 571C | 58 |
| 1445   | TUGRO 11 | V3-21-11 | 572C | 67 |
| 1446   | TUGRO 12 | V3-21-12 | 573C | 83 |

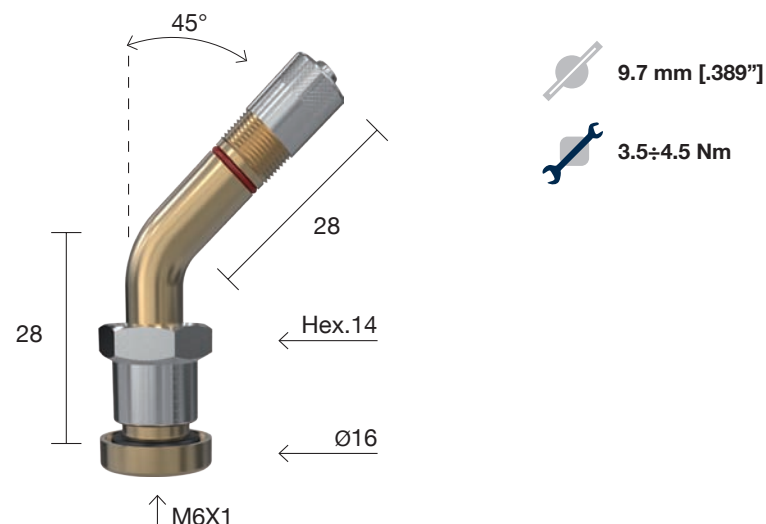


# TYRE VALVES VALVOLE PER PNEUMATICI

## WONDER

| n.   | RIM   |
|------|-------|
| 1392 | STEEL |

Screw VA85 included  
Vite VA85 inclusa

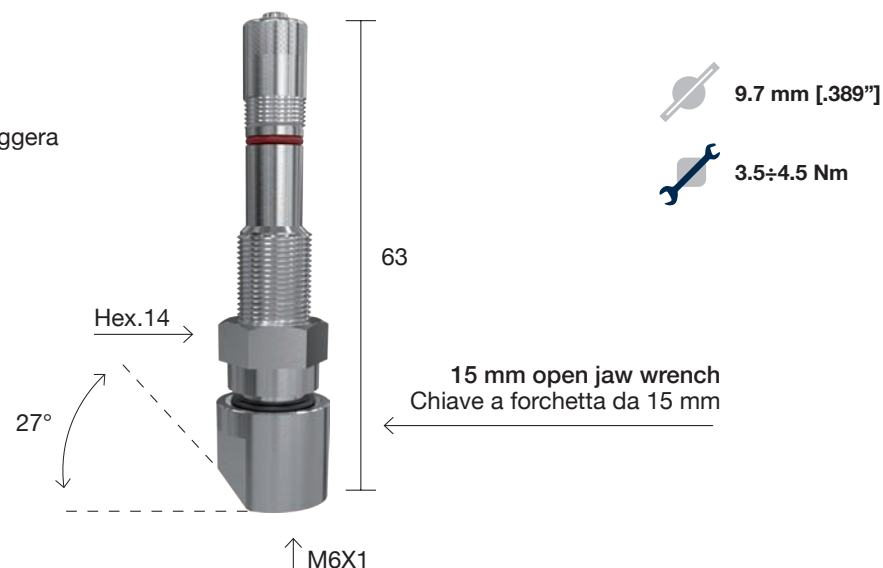


## WONDER

| n.   | RIM   |
|------|-------|
| 1353 | ALCOA |

Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera

Screw VA85 included  
Vite VA85 inclusa

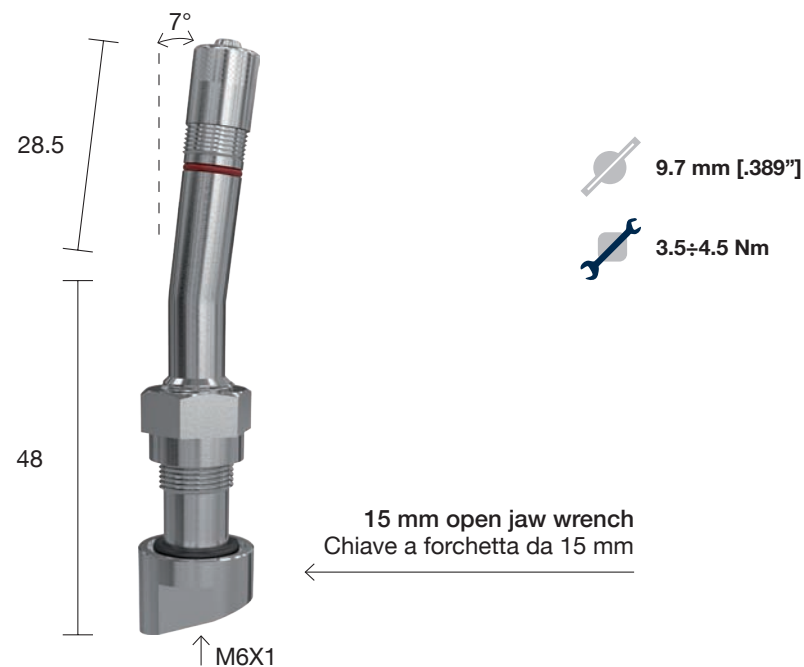


## WONDER

| n.   | RIM   |
|------|-------|
| 1393 | ALCOA |

Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera

Screw VA85 included  
Vite VA85 inclusa



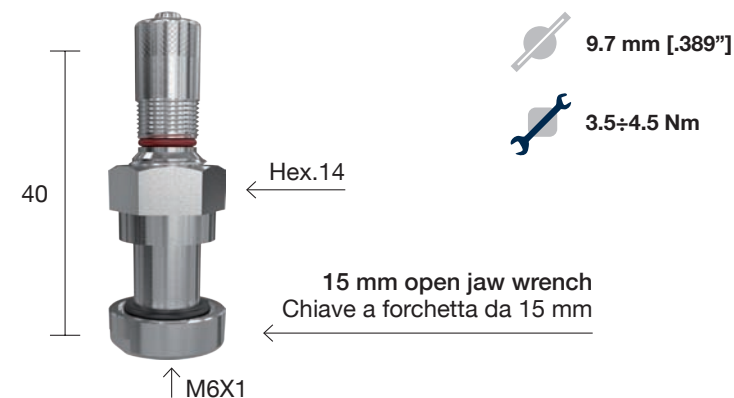
# TYRE VALVES VALVOLE PER PNEUMATICI

## WONDER

| n.   | RIM   |
|------|-------|
| 1354 | ALCOA |

Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera

Screw VA85 included  
Vite VA85 inclusa

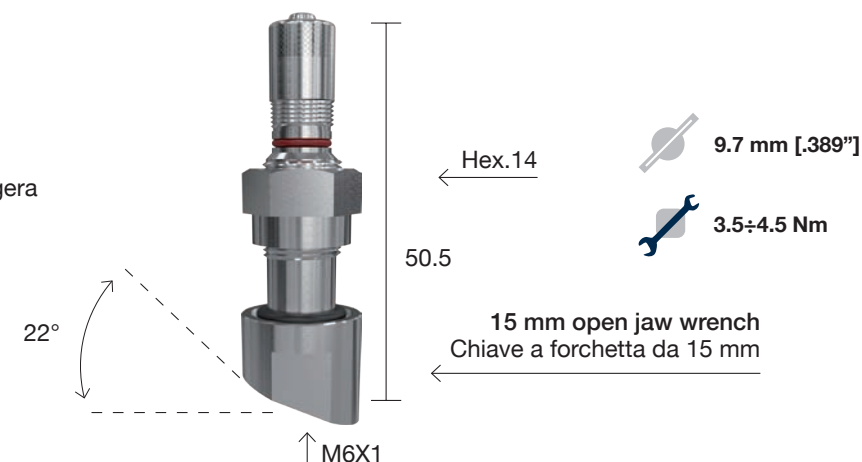


## WONDER

| n.   | RIM   |
|------|-------|
| 1394 | ALCOA |

Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera

Screw VA85 included  
Vite VA85 inclusa

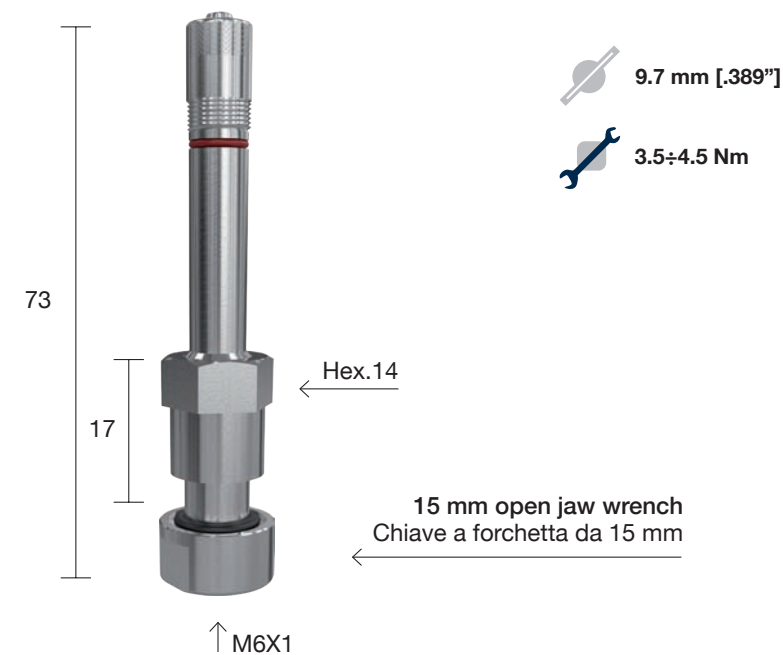


## WONDER

| n.   | RIM   |
|------|-------|
| 1395 | ALCOA |

Nickelplated valves for light alloy rims  
Valvole nichelate per cerchioni in lega leggera

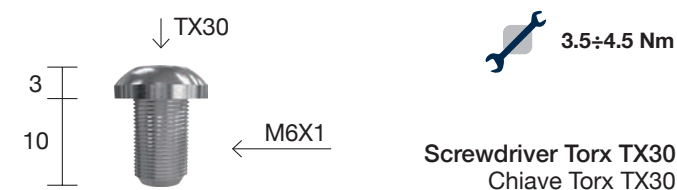
Screw VA85 included  
Vite VA85 inclusa



## WONDER

| n.   |
|------|
| VA85 |

Screw for clamping TPMS sensor  
Vite per serraggio sensore TPMS



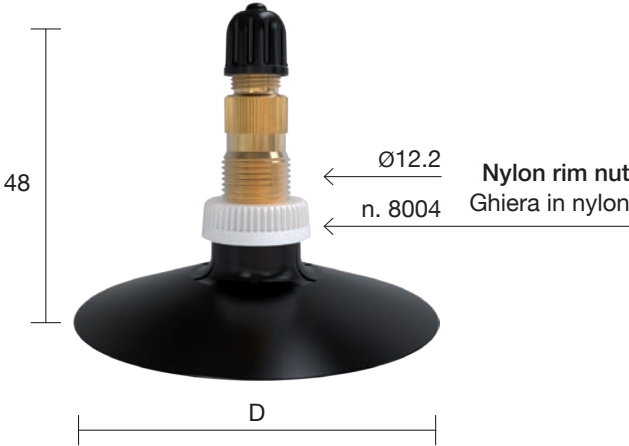
Screwdriver Torx TX30  
Chiave Torx TX30

TYRE VALVES  
VALVOLE PER PNEUMATICI

| WONDER |            |         |       |    | D |
|--------|------------|---------|-------|----|---|
| n.     | code       | ETRTO   | TR    | mm |   |
| 8002   | TR 218/Fer | V4-01-1 | 218 A | 63 |   |
| 8005   | TR 218A/82 | -       | 218 A | 82 |   |

Valves with rubber base buffed not prepared  
Valvole con base non preparata

Nylon rim nut n. 8004  
Ghiera in nylon n. 8004



TYRE VALVES  
VALVOLE PER PNEUMATICI

| WONDER |               |         |     |
|--------|---------------|---------|-----|
| n.     | code          | ETRTO   | TR  |
| 0595   | T18/Fer       | V4-02-1 | CH3 |
| 0596   | T18/Fer corto | -       | -   |

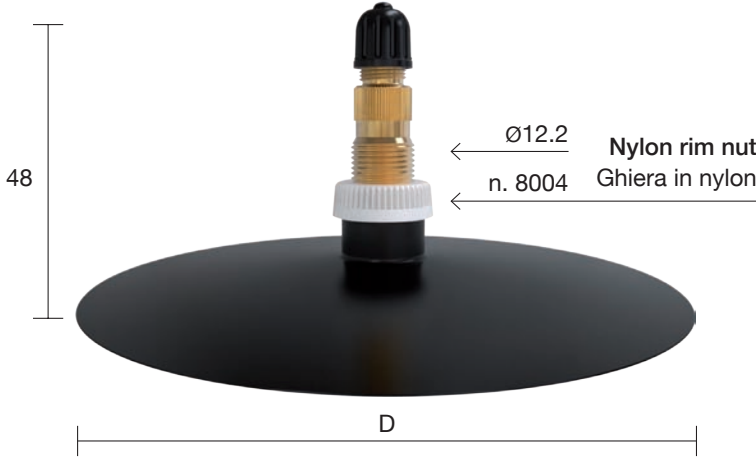
Core housing for air-water valves  
Interno per valvole trattore



| WONDER |                      |       |    | D |
|--------|----------------------|-------|----|---|
| n.     | code                 | TR    | mm |   |
| 2210   | TR 218/Fer King Cold | 218 A | 82 |   |

Valves with rubber base prepared for cold or hot application to the tube  
Valvole con base preparata per applicazione a freddo o a caldo

Nylon rim nut n. 8004  
Ghiera in nylon n. 8004



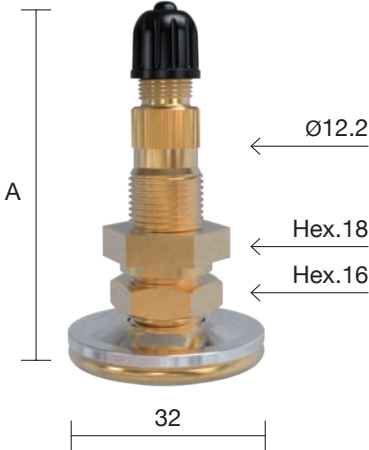
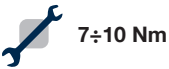
| WONDER |       |     |
|--------|-------|-----|
| n.     | code  | TR  |
| 0590   | T18/i | CH1 |

Core housing for old type tractor valves  
Interno per valvole trattore vecchio tipo



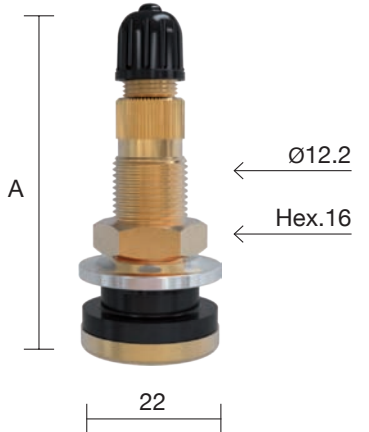
| WONDER |             |    |      |
|--------|-------------|----|------|
| n.     | code        | A  | CORE |
| 0585   | Trak 18/Fer | 51 | 0595 |

Metal base tube clamp-in type  
Tipo base metallica per camera d'aria



| WONDER |                    |         |      |    |      |
|--------|--------------------|---------|------|----|------|
| n.     | code               | ETRTO   | TR   | A  | CORE |
| 0584   | Trak 618/Fer corto | -       | -    | 35 | 0596 |
| 0586   | Trak 618           | V5-01-1 | 618A | 48 | 0595 |

Tubeless metal valves  
Valvole metalliche tubeless



| WONDER |             |
|--------|-------------|
| n.     | code        |
| 9200   | BLIND VALVE |

Blind valve  
Blind valve



| WONDER |          |    |      |
|--------|----------|----|------|
| n.     | code     | A  | CORE |
| 0600   | Trak 718 | 56 | 0595 |
| 0610   | Trak 718 | 49 | 0596 |

Tubeless snap-in valves  
Valvole gommate tubeless



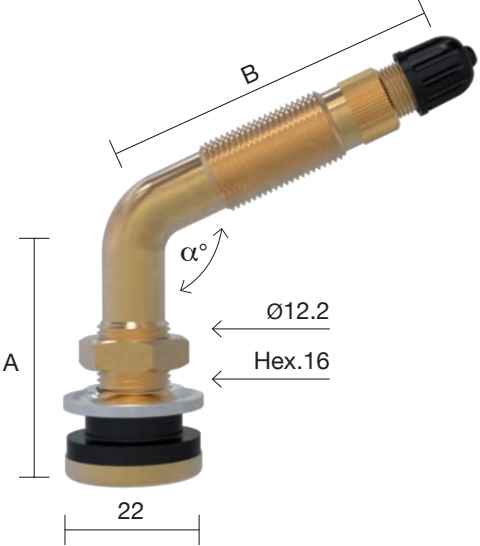
TYRE VALVES  
VALVOLE PER PNEUMATICI

| WONDER |          |         |      | A  | B   | α°  |
|--------|----------|---------|------|----|-----|-----|
| n.     | code     | ETRTO   | TR   | mm | mm  |     |
| 0587   | Trak 621 | V5-02-1 | 621A | 39 | 75  | 115 |
| 0588   | Trak 622 | V5-02-2 | 622A | 44 | 116 | 90  |
| 0589   | Trak 623 | V5-02-3 | 623A | 39 | 57  | 115 |

Tubeless metal valves  
Valvole metalliche tubeless

16 mm [.625"]

5÷8 Nm

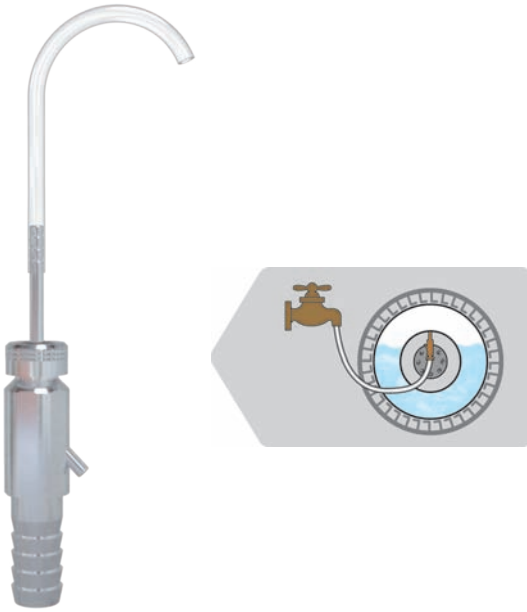


Tractor valves accessories  
Accessori valvole trattore

WONDER

| n.   | code     |
|------|----------|
| 3020 | NEW FILL |

Tool for filling tractor tyres with water  
Raccordo per riempimento pneumatici con acqua



WONDER

| n.   | code  |
|------|-------|
| 3300 | EMPTY |

Tool for letting the water completely  
flow out of the tyre  
Strumento per evacuare completamente  
l'acqua dagli pneumatici



TYRE VALVES  
VALVOLE PER PNEUMATICI

| WONDER |        |         |      |
|--------|--------|---------|------|
| n.     | code   | ETRTO   | TR   |
| 1520   | TRJ670 | V5-03-1 | J670 |

20.5 mm [.807"]

8÷10 Nm

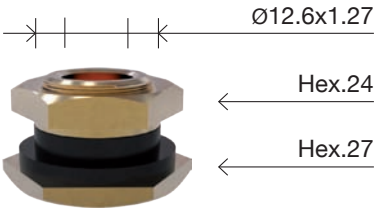


| WONDER |         |         |     |      |
|--------|---------|---------|-----|------|
| n.     | code    | ETRTO   | TR  | mm   |
| 1545   | TR SP 2 | V5-10-1 | SP2 | 12.6 |

Base  
Base

20.5 mm [.807"]

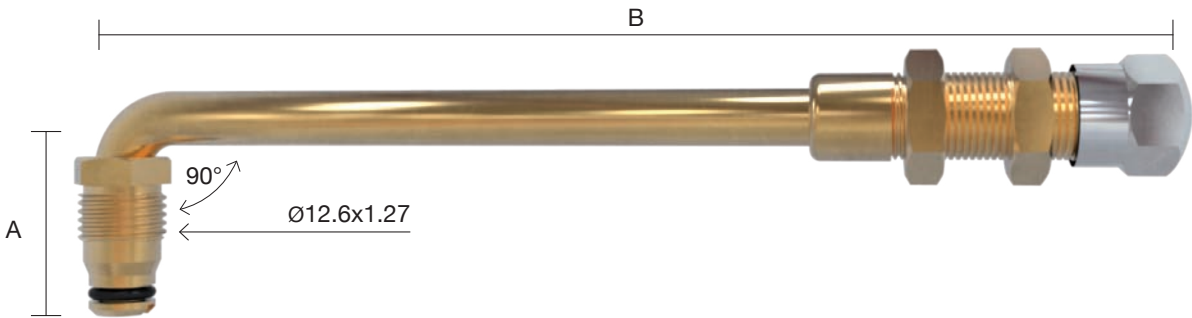
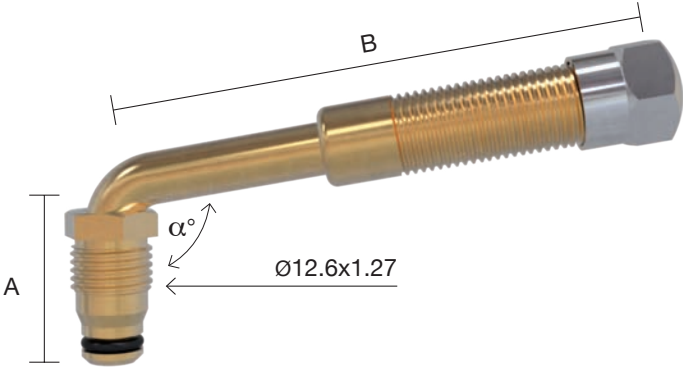
8÷23 Nm



| WONDER |         |         |       |    |     |     |
|--------|---------|---------|-------|----|-----|-----|
| n.     | code    | ETRTO   | TR    | mm | mm  | α°  |
| 1521   | TRJ 650 | V5-04-1 | J 650 | 27 | 80  | 100 |
| 1522   | TRJ 651 | V5-04-2 | J 651 | 32 | 119 | 90  |
| 1523   | TRJ 652 | -       | J 652 | 27 | 140 | 94  |
| 1524   | TRJ 655 | -       | J 655 | 27 | 80  | 106 |
| 1525   | TRJ 657 | -       | J 657 | 27 | 102 | 100 |
| 1529   | TRJ 653 | -       | J 653 | 27 | 63  | 100 |

20.5 mm [.807"]

8÷10 Nm



| WONDER |               |             |    |     |
|--------|---------------|-------------|----|-----|
| n.     | code          | TR          | A  | B   |
|        |               |             | mm | mm  |
| 1526   | TRJ 4000/6    | J 4000/6    | 29 | 153 |
| 1527   | TRJ 4000/8    | J 4000/8    | 29 | 203 |
| 1528   | TRJ 4000/24   | J 4000/24   | 29 | 610 |
| 1533   | TRJ 4000/2.50 | J 4000/2.50 | 29 | 64  |
| 1534   | TRJ 4000/4.50 | J 4000/4.50 | 29 | 114 |
| 1535   | TRJ 4000/8.75 | J 4000/8.75 | 29 | 222 |
| 1536   | TRJ 4000/7.50 | J 4000/7.50 | 29 | 190 |

20.5 mm [.807"]

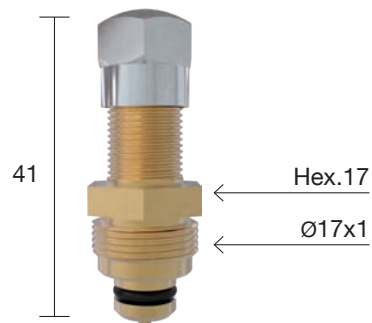
8÷10 Nm

# TYRE VALVES VALVOLE PER PNEUMATICI

| WONDER |        |         | MICHELIN |
|--------|--------|---------|----------|
| n.     | code   | ETRTO   | n.       |
| 1710   | TULB 1 | V5-06-1 | 1009     |

20.5 mm [.807"]

7÷10 Nm

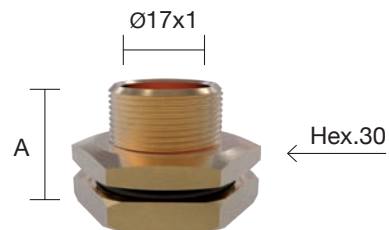


| WONDER |         |         | MICHELIN | A    |
|--------|---------|---------|----------|------|
| n.     | code    | ETRTO   | n.       | mm   |
| 1730   | OGIOD-1 | V5-12-1 | 829      | 21.5 |
| 1731   | OGIOD-2 | V5-12-2 | 965      | 16   |

Base  
Base

20.5 mm [.807"]

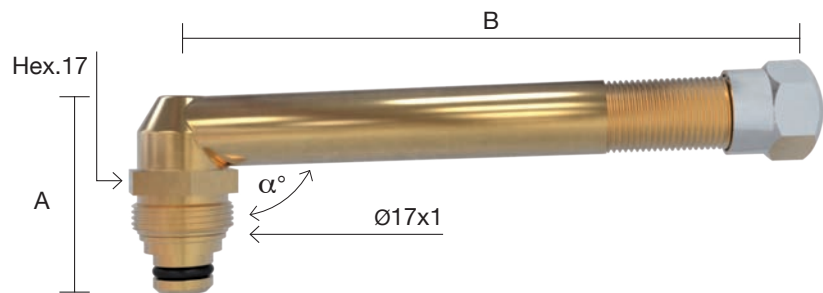
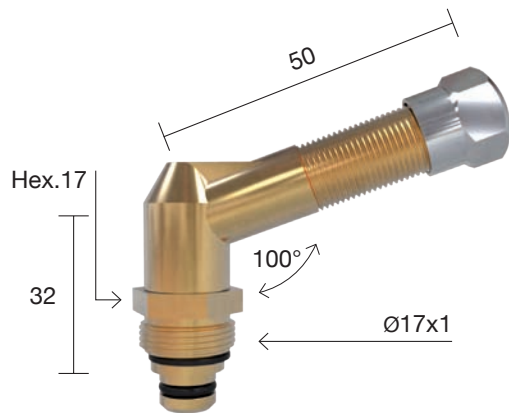
20÷23 Nm



| WONDER |        |         | MICHELIN |
|--------|--------|---------|----------|
| n.     | code   | ETRTO   | n.       |
| 1712   | TULB 3 | V5-07-2 | 824      |

20.5 mm [.807"]

7÷10 Nm



| WONDER |        |         | MICHELIN | A  | B   | α° |
|--------|--------|---------|----------|----|-----|----|
| n.     | code   | ETRTO   | n.       | mm | mm  |    |
| 1711   | TULB 2 | V5-07-1 | 823      | 27 | 50  | 92 |
| 1714   | TULB 5 | V5-07-4 | 825      | 27 | 75  | 92 |
| 1716   | TULB 7 | V5-07-6 | 826      | 27 | 100 | 92 |

20.5 mm [.807"]

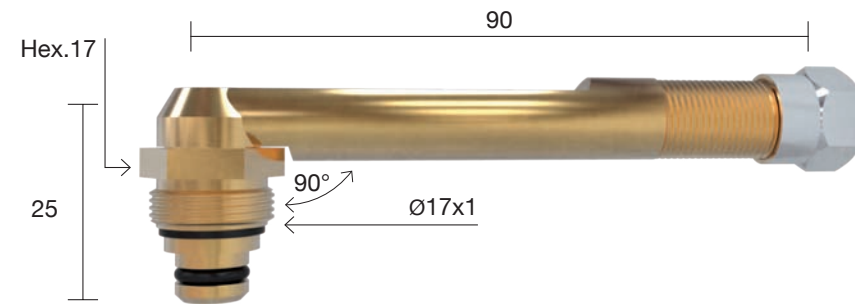
7÷10 Nm

# TYRE VALVES VALVOLE PER PNEUMATICI

| WONDER |        |         | MICHELIN |
|--------|--------|---------|----------|
| n.     | code   | ETRTO   | n.       |
| 1715   | TULB 6 | V5-07-5 | 1025     |

20.5 mm [.807"]

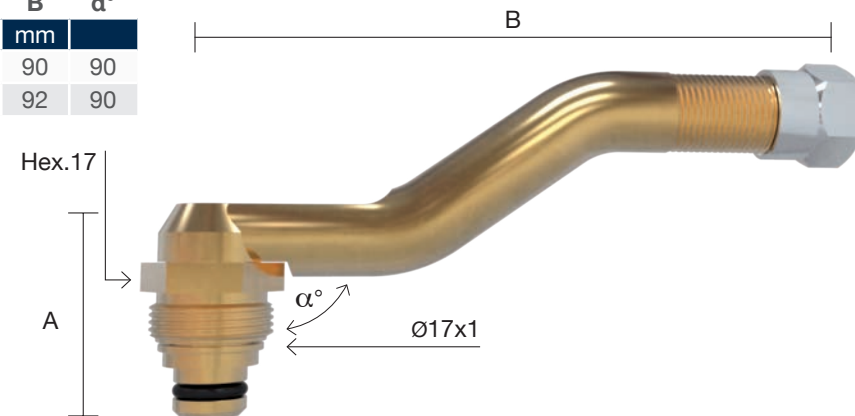
7÷10 Nm



| WONDER |         |         |      | A  | B  | α° |
|--------|---------|---------|------|----|----|----|
| n.     | code    | ETRTO   | TR   | mm | mm |    |
| 1719   | TULB 10 | V5-08-1 | 1125 | 25 | 90 | 90 |
| 1720   | TULB 11 | V5-08-2 | 966  | 25 | 92 | 90 |

20.5 mm [.807"]

7÷10 Nm



TYRE VALVES  
VALVOLE PER PNEUMATICI

WONDER

| n.   | code    | ETRTO   | TR    |
|------|---------|---------|-------|
| 1760 | TRJ 690 | V5-05-1 | J 690 |

20.5 mm [.807"]

20±23 Nm



Fig.1



Fig.2



Fig.1

| WONDER |         | MICHELIN |         | L   |
|--------|---------|----------|---------|-----|
| n.     | code    | n.       | code    | mm  |
| 1585   | ORS 140 | 1026     | R140 GD | 140 |
| 1586   | ORS 160 | 953      | R160 GD | 160 |
| 1587   | ORS 180 | 1027     | R180 GD | 180 |
| 1588   | ORS 210 | 1186     | R210 GD | 210 |
| 1589   | ORS 310 | 1129     | R310 GD | 310 |
| 1590   | ORS 350 | 1105     | R350 GD | 350 |
| 1591   | ORS 400 | 1128     | R400 GD | 400 |
| 1592   | ORS 475 | 1243     | R475 GD | 475 |
| 1593   | ORS 550 | 976      | R550 GD | 550 |
| 1594   | ORS 600 | 1108     | R600 GD | 600 |
| 1595   | ORS 690 | 1126     | R690 GD | 690 |
| 1596   | ORS 730 | 882      | R730 GD | 730 |
| 1597   | ORS 800 | 1187     | R800 GD | 800 |

Steel braided original MICHELIN hose  
Tubo a treccia acciaio originale MICHELIN

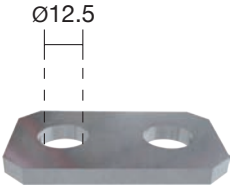
Fig.2

| WONDER |            | L   |
|--------|------------|-----|
| n.     | code       | mm  |
| 1565   | ORFLEX 140 | 140 |
| 1566   | ORFLEX 160 | 160 |
| 1567   | ORFLEX 180 | 180 |
| 1568   | ORFLEX 210 | 210 |
| 1569   | ORFLEX 310 | 310 |
| 1570   | ORFLEX 350 | 350 |
| 1571   | ORFLEX 400 | 400 |
| 1572   | ORFLEX 475 | 475 |
| 1573   | ORFLEX 550 | 550 |
| 1574   | ORFLEX 600 | 600 |
| 1575   | ORFLEX 690 | 690 |
| 1576   | ORFLEX 730 | 730 |
| 1577   | ORFLEX 800 | 800 |

Textile braided hose  
Tubo a treccia tessile

| WONDER |      | MICHELIN |
|--------|------|----------|
| n.     | code | n.       |
| 1560   | ORPA | 883      |

Holder for large bore flexible extension  
Piastrina di fissaggio per prolunghe



TYRE VALVES  
VALVOLE PER PNEUMATICI

VALVE CAPS

The valve cap is a tool of primary importance for security while driving. It keeps the pressure inside the tyre, preventing air to leak or foreign matter to enter inside the valve.

WONDER manufactures an entire range of caps for valves to meet all the different tyre valves and vehicle features.

VALVE CORES

The core represents the centre of every tyre valve. WONDER cores are carefully designed to be safe and reliable in every situation.

We suggest to replace the core each time you change the tyre and to use clean and proper equipment when inflating tyres, in order to avoid depositing foreign material on the valve core.

COPERCHIETTI

Il coperchietto di una valvola è un accessorio di grande importanza per la sicurezza alla guida; esso garantisce la tenuta della pressione dello pneumatico nel tempo, evitando perdite d'aria e impedendo l'ingresso di corpi estranei all'interno della valvola.

WONDER produce una vasta gamma di coperchietti per ogni tipo di valvola secondo le specifiche del veicolo.

MECCANISMI

Il meccanismo è il cuore di ogni valvola; per questo i nostri meccanismi sono progettati per essere precisi e affidabili in qualsiasi condizione.

WONDER raccomanda di cambiare il meccanismo ad ogni cambio degli pneumatici e di utilizzare attrezzature pulite e adatte per il gonfiaggio, per evitare di danneggiare il meccanismo della valvola.

TYRE VALVES  
VALVOLE PER PNEUMATICI

WONDER

| n.   | code     | TR   |
|------|----------|------|
| 0011 | C 95 DIN | VC 3 |

Metal cap dome type  
Coperchietto metallico



WONDER

| n.   | code   | TR   |
|------|--------|------|
| 0012 | C 95 S | VC 3 |

Metal cap dome type  
Coperchietto metallico



WONDER

| n.   | code | TR   |
|------|------|------|
| 0110 | PL   | VC 8 |

Plastic dust cap  
Coperchietto in plastica



WONDER

| n.     | code | COLOUR |
|--------|------|--------|
| 0115   | PL/R | BLACK  |
| 0115 R | PL/R | RED    |
| 0115 V | PL/R | GREEN  |

Nylon cap with rubber washer  
Black - Red - Green  
Coperchietto nylon con guarnizione  
Black - Red - Green



WONDER

| n.   | code   | TR |
|------|--------|----|
| 0020 | TU/HEX | -  |

Hexagonal cap for chromed SNAP-IN valves  
Coperchietto esagonale per SNAP-IN CROMATE



TYRE VALVES  
VALVOLE PER PNEUMATICI

WONDER

| n.   | code      | TR   |
|------|-----------|------|
| 0129 | LB/TRVC 7 | VC 7 |

Large bore cap with hexagonal top  
Coperchietto con testa esagonale Grande Sezione



WONDER

| n.   | code   | TR          |
|------|--------|-------------|
| 0132 | DO/CAP | equiv. VC 7 |

Large bore hexagonal cap  
Coperchietto esagonale Grande Sezione



WONDER

| n.   | code   | n.  |
|------|--------|-----|
| 0133 | MI/CAP | 766 |

Large bore cap  
Coperchietto Grande Sezione



WONDER

| n.   | code   | TR   |
|------|--------|------|
| 0131 | LB/CAP | VC 6 |

Large bore hexagonal cap with screwdriver top  
Coperchietto esagonale con cacciavite Grande Sezione



WONDER

| n.   | code | TR   |
|------|------|------|
| 1550 | AD   | AD/1 |

Adapter converting large bore valve end  
to standard bore valve end  
Raccordo di riduzione da Grande Sezione a Standard



WONDER

| n.   | code | TR   |
|------|------|------|
| 1549 | AD/2 | AD/2 |

Adapter converting large bore valve end  
to standard bore valve end  
Raccordo mobile di riduzione da Grande Sezione a Standard

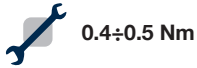


TYRE VALVES  
VALVOLE PER PNEUMATICI

| WONDER |       |    | SPRING          |         |
|--------|-------|----|-----------------|---------|
| n.     | code  | TR | MATERIAL        | TENSION |
| 0078   | MB/OT | C1 | STAINLESS STEEL | MEDIUM  |

Standard bore valve cores  
Meccanismi per valvole Standard

Heat resistant  
Per alta temperatura  
**-40°C +135°C**

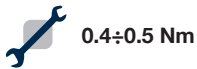
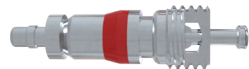


| WONDER |      |    | SPRING          |         |
|--------|------|----|-----------------|---------|
| n.     | code | TR | MATERIAL        | TENSION |
| 0090   | DIN  | C1 | STAINLESS STEEL | MEDIUM  |

Standard bore valve cores  
Meccanismi per valvole Standard

Nickelplated core  
Meccanismo nichelato

Heat resistant  
Per alta temperatura  
**-40°C +135°C**



| WONDER |       |    | SPRING          |         |
|--------|-------|----|-----------------|---------|
| n.     | code  | TR | MATERIAL        | TENSION |
| 0158   | MB/LB | C2 | STAINLESS STEEL | MEDIUM  |

Large bore valve cores  
Meccanismi per valvole Grande Sezione

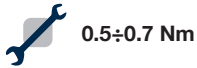
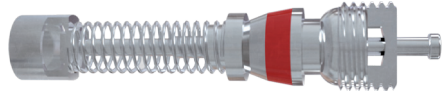
Heat resistant  
Per alta temperatura  
**-40°C +135°C**



| WONDER |       |    | SPRING          |         |
|--------|-------|----|-----------------|---------|
| n.     | code  | TR | MATERIAL        | TENSION |
| 0160   | LB 20 | C2 | STAINLESS STEEL | MEDIUM  |

Large bore valve cores  
Meccanismi per valvole Grande Sezione

General use  
Impiego normale



INFLATOR & PRESSURE GAUGES  
MISURATORI DI PRESSIONE

DIAL TYPE INFLATOR GAUGES  
DIAL TYPE PRESSURE GAUGES

WONDER has developed its dial type inflator and pressure gauges within a project regarding essentially the tyre service and the expertise of this field. As a result, the main features of these tools are precision, stability - setting and reliability.

We offer a range of over 20 models to suit any type of vehicle, from the famous EURODAINU - produced since the beginning of the 1980s in more than 2 million units - to the latest 2014, WONDER state-of-the-art technology.

WONDER uses only high quality materials from certified sources to offer its customers high level and guaranteed products, minimising the impact on the environment. All products are developed, tested and assembled in WONDER plant in Cremona (Italy).

On request WONDER can provide inflator and pressure gauges with special hoses and snap-on connections.

PISTOLE DI GONFIAGGIO  
MANOMETRI

Le pistole di gonfiaggio e i manometri WONDER sono il risultato di un progetto rivolto specificamente agli operatori specializzati del settore. Per questo le caratteristiche principali sono precisione, stabilità della taratura nel tempo e affidabilità.

Offriamo una gamma di oltre 20 modelli adatti a ogni tipo di veicolo, a partire dalla celebre EURODAINU - prodotta fin dai primi anni '80 in oltre 2 milioni di esemplari - fino all'ultima nata, la pistola di gonfiaggio 2014, stato dell'arte della tecnologia dell'azienda.

WONDER utilizza solo materiali di qualità elevata e di provenienza certificata per offrire ai propri clienti prodotti garantiti e di massimo livello, riducendo al minimo l'impatto sull'ambiente. Tutti i prodotti WONDER sono sviluppati, testati e assemblati nello stabilimento di Cremona (Italia).

Su richiesta WONDER può fornire gli stessi manometri e le stesse pistole di gonfiaggio con tubi e raccordi differenti da quanto indicato.

### SUPERDAINU 1999 CEE

- For standard valves
- Measuring reliability and model compliant with the European Directive 86/217/EEC and the UNI EN 12645:2014 standard
- Scale: bar graduated only (0.7-10)
- Hose: n. 1961 (150 cm)
- Maximum air source pressure: 15 bar
- Suitable for nitrogen
- Per valvole Standard
- Affidabilità di misura e modello conformi alla direttiva europea 86/217/CEE e allo standard UNI EN 12645:2014
- Scala di misura in bar (0,7-10)
- Tubo: n. 1961 (150 cm)
- Pressione massima del compressore: 15 bar
- Adatto per il gonfiaggio con l'azoto



### EURODAINU 1991 CEE

- For standard valves
- Measuring reliability and model compliant with the European Directive 86/217/EEC and the UNI EN 12645:2014 standard
- Scale: bar graduated only (0.7-12)
- Hose: n. 1961 (150 cm)
- Maximum air source pressure: 15 bar
- Suitable for nitrogen
- Per valvole Standard
- Affidabilità di misura e modello conformi alla direttiva europea 86/217/CEE e allo standard UNI EN 12645:2014
- Scala di misura in bar (0,7-12)
- Tubo: n. 1961 (150 cm)
- Pressione massima del compressore: 15 bar
- Adatto per il gonfiaggio con l'azoto



### EURODAINU L.BO. 1992 CEE

- For large bore valves
- Hose: n. 1966 (300 cm)
- Per valvole Grande Sezione
- Tubo: n. 1966 (300 cm)

### SUPERDAINU 1999

- For standard valves
- Measuring reliability and model compliant with the UNI EN 12645:2014 standard
- Scale: dual graduated bar (0.7-10) and psi (10-145) or kPa x 100 (0.7-10)
- Hose: n. 1961 (150 cm)
- Maximum air source pressure: 15 bar
- Suitable for nitrogen
- Per valvole Standard
- Affidabilità di misura e modello conformi allo standard UNI EN 12645:2014
- Scala di misura in bar (0,7-10) e psi (10-145) oppure kPa x 100 (0,7-10)
- Tubo: n. 1961 (150 cm)
- Pressione massima del compressore: 15 bar
- Adatto per il gonfiaggio con l'azoto



### EURODAINU 1991

- For standard valves
- Measuring reliability and model compliant with the UNI EN 12645:2014 standard
- Scale: dual graduated bar (0.7-12) - psi (10-174)
- On request dual graduated kPa x 100 (0.7-12) - psi (10-174) or kPa x 100 only (0.7-12)
- Hose: n. 1961 (150 cm)
- Maximum air source pressure: 15 bar
- Suitable for nitrogen
- Per valvole Standard
- Affidabilità di misura e modello conformi allo standard UNI EN 12645:2014
- Scala di misura in bar (0,7-12) e psi (10-174)
- A richiesta scala in kPa x 100 (0,7-12) e psi (10-174) oppure kPa x 100 (0,7-12)
- Tubo: n. 1961 (150 cm)
- Pressione massima del compressore: 15 bar
- Adatto per il gonfiaggio con l'azoto



### EURODAINU L.BO. 1992

- For large bore valves
- Hose: n. 1966 (300 cm)
- Per valvole Grande Sezione
- Tubo: n. 1966 (300 cm)

2014

- For standard valves
- Measuring reliability and model compliant with the European Directive 86/217/EEC and the UNI EN 12645:2014 standard
- Scale: from 0.7 to 6 bar (from 10 to 87 psi; from 70 to 600 kPa)
- Hose: n. 1961 (150 cm)
- Maximum air source pressure: 10 bar
- Suitable for nitrogen
- Available in EEC (bar), kPa x 100 and dual scale (bar/psi) versions
- Per valvole Standard
- Affidabilità di misura e modello conformi alla direttiva europea 86/217/CEE e allo standard UNI EN 12645:2014
- Scala di misura: da 0,7 a 6 bar (da 10 a 87 psi; da 70 a 600 kPa)
- Tubo: n. 1961 (150 cm)
- Pressione massima del compressore: 10 bar
- Adatto per il gonfiaggio con l'azoto
- Disponibile nelle versioni CEE (bar), kPa x 100 e doppia scala (bar/psi)



RACE CAR 1995

- Scale: dual graduated bar (0.5-3.5) - psi (7-50)
- Measuring reliability and model compliant with the UNI EN 12645:2014 standard
- Hose: n. 1971 (60 cm)
- Maximum air source pressure: 6 bar
- Suitable for nitrogen
- Scala di misura in bar (0,5-3,5) e psi (7-50)
- Affidabilità di misura e modello conformi allo standard UNI EN 12645:2014
- Tubo: n. 1971 (60 cm)
- Pressione massima del compressore: 6 bar
- Adatto per il gonfiaggio con l'azoto



EURODAIMO 1975 CEE

- Scale: bar graduated only (0.7-6)
- Measuring reliability and model compliant with the European Directive 86/217/EEC and the UNI EN 12645:2014 standard
- Hose: n. 1961 (150 cm)
- Maximum air source pressure: 10 bar
- Suitable for nitrogen
- Scala di misura in bar (0,7-6)
- Affidabilità di misura e modello conformi alla direttiva europea 86/217/CEE e allo standard UNI EN 12645:2014
- Tubo: n. 1961 (150 cm)
- Pressione massima del compressore: 10 bar
- Adatto per il gonfiaggio con l'azoto



DAINU 1960

- Scale: dual graduated bar (0.5-12) - psi (10-170)
- Hose: n. 1961 (150 cm)
- Maximum air source pressure: 15 bar
- Suitable for nitrogen
- Scala di misura in bar (0,5-12) e psi (10-170)
- Tubo: n. 1961 (150 cm)
- Pressione massima del compressore: 15 bar
- Adatto per il gonfiaggio con l'azoto



Spare hoses for inflator gauges  
Tubi di ricambio per pistole di gonfiaggio



n. 1966

Spare hose for 1992 - 1992 CEE (300 cm)  
Tubo di ricambio per 1992 - 1992 CEE (300 cm)  
600 cm on request / su richiesta



n. 1971

Spare hose for 1995 (60 cm)  
Tubo di ricambio per 1995 (60 cm)



n. 1961

Spare hose (150 cm) for 1960, 1975, 1975 CEE, 1991, 1991 CEE, 1999, 1999 CEE, 2014  
Tubo di ricambio (150 cm) per 1960, 1975, 1975 CEE, 1991, 1991 CEE, 1999, 1999 CEE, 2014  
300 cm on request / su richiesta

EURODAIMO 1975

- Scale: dual graduated bar (0.7-6)-psi (10-87)
- Measuring reliability and model compliant with the UNI EN 12645:2014 standard
- Hose: n. 1961 (150 cm)
- Maximum air source pressure: 15 bar
- Suitable for nitrogen
- Scala di misura in bar (0,7-6) e psi (10-87)
- Affidabilità di misura e modello conformi allo standard UNI EN 12645:2014
- Tubo: n. 1961 (150 cm)
- Pressione massima del compressore: 15 bar
- Adatto per il gonfiaggio con l'azoto

## INFLATOR & PRESSURE GAUGES

### MISURATORI DI PRESSIONE

## EURODAIRA W.F. 1930

- Dial gauge with swivel chuck n. 1864 for standard and large bore valves
- Scale: dual graduated bar (0,7-12) - psi (10-174)
- On request dual graduated kPa x 100 (0,7-12) - psi (10-174) or bar graduated only (0,7-12) or kPa x 100 graduated only (0,7-12)
- Accuracy complies with the European regulation UNI EN 12645:2014
- Manometro con pipa n. 1864 per valvole Standard e Grande Sezione
- Scala di misura in bar (0,7-12) e psi (10-174)
- A richiesta scala in kPa x 100 (0,7-12) e psi (10-174) oppure solo in bar o kPa x 100 (0,7-12)
- Precisione metrologica conforme alla norma europea UNI EN 12645:2014

n. 1931

**Spare hose (50 cm) with swivel  
chuck n. 1864 for standard and  
large bore valves**  
Tubo di ricambio (50 cm)  
con pipa n. 1864 per valvole  
Standard e Grande Sezione



## EURODAIRA L.BO.1940

- Dial gauge for large bore valves
- Scale: dual graduated bar (0.7-12) - psi (10-174)
- On request dual graduated kPa x 100 (0.7-12) - psi (10-174) or bar graduated only (0.7-12) or kPa x 100 graduated only (0.7-12)
- Accuracy complies with the European regulation UNI EN 12645:2014
- Manometro per valvole Grande Sezione
- Scala di misura in bar (0,7-12) e psi (10-174)
- A richiesta scala in kPa x 100 (0,7-12) e psi (10-174) oppure solo in bar o kPa x 100 (0,7-12)
- Precisione metrologica conforme alla norma europea UNI EN 12645:2014

n. 1941

**Spare hose (50 cm) for large bore valves**  
**Tubo di ricambio (50 cm) per valvole Grande Sezione**



## ALISEO 1870

- For standard valves
  - Scale: bar graduated only (0.1-2.5)
  - Suitable for water filled tyres
  - Accuracy:  $\pm 0.05$  bar
  - Hose: 35 cm
- 
- Manometro per valvole Standard
  - Scala di misura in bar (0,1-2,5)
  - Utilizzabile su pneumatici zavorrati ad acqua
  - Precisione  $\pm 0,05$  bar
  - Tubo: 35 cm

**Spare hose (50 cm) with swivel chuck n. 1860 for standard bore valves**  
**Tubo di ricambio (50 cm) con pipa n. 1860 per valvole Standard**



## INFLATOR & PRESSURE GAUGES MISURATORI DI PRESSIONE

### QUICKER 1976

- New design shock resistant plastic body
- Scale: dual graduated bar (0.7-4.3) - psi (10-60)
- Accuracy complies with European regulation UNI EN 12645:2014
- Case included
- Corpo in materiale plastico antiurto dal nuovo design
- Disponibile in scala di misura doppia: bar (0,7-4,3) e psi (10-60)
- Precisione metrologica conforme alla norma europea UNI EN 12645:2014
- Custodia inclusa



## ACCESSORIES & TOOLS ACCESSORI E UTENSILI

### ACCESSORIES & TOOLS

The present section includes valve extensions and holders, tyre inflating and pressure control equipment, installation tools for valves, cores and tyres.

These products are specifically intended for tyre specialists: they are the result of years of research and product development made in the field.

Service tools designed and developed by WONDER are at the same time handy, practical and resistant to every climatic condition. They have been designed to permit a comfortable use, keeping great efficiency and high performance.

### ACCESSORI E UTENSILI

Questa sezione comprende accessori per le valvole (prolunghe e staffe di fissaggio), raccordi per manometri e pistole di gonfiaggio e utensili per il montaggio di valvole, meccanismi e pneumatici.

Questi prodotti sono rivolti ai professionisti del settore: essi sono il risultato di anni di sperimentazioni e sviluppi di prodotto dettati da esigenze nate sul campo.

Gli accessori progettati e sviluppati da WONDER sono maneggevoli, pratici e resistenti a qualsiasi condizione climatica. Ogni strumento è studiato per consentire un utilizzo pratico e semplice, garantendo un elevato livello di efficienza.

### INFLATOR & PRESSURE GAUGES GENERAL WARNINGS

For long-lasting service of the device it is recommended to follow the instructions below.

- Avoid knocks; do not disassemble.
- Avoid contact with solvents or hydrocarbons.
- Do not use for inflation or checking pressure of tyres containing water ballast or anti-puncture products.
- Check that hose and snap-on connection are airtight: a leak will give an incorrect reading on the dial.
- For inflator gauges only: periodically check the compressor air filter and drain the condensate off every 3-4 days.

### MISURATORI DI PRESSIONE AVVERTENZE GENERALI

Per un utilizzo corretto dello strumento attenersi a quanto segue.

- Evitare gli urti; non smontare.
- Evitare il contatto con solventi e idrocarburi.
- Non usare per il gonfiaggio o il controllo della pressione di pneumatici zavorrati con acqua o contenenti prodotti antiforature.
- Verificare la tenuta del tubo e del raccordo: una perdita falserebbe il valore di pressione indicato sul quadrante.
- Per le sole pistole di gonfiaggio: verificare periodicamente il corretto funzionamento del filtro dell'aria del compressore e scaricare l'acqua di condensa ogni 3-4 giorni.

ACCESSORIES & TOOLS  
ACCESSORI E UTENSILI

| WONDER |         | MICHELIN |    |
|--------|---------|----------|----|
| n.     | code    | n.       | mm |
| 0290   | Fiala 6 | 517      | 6  |
| 0292   | Fiala 8 | 985      | 8  |
| 0288   | Fiala 7 | -        | 7  |

For standard bore valves  
Raccordi per valvole Standard



| WONDER |            |
|--------|------------|
| n.     | code       |
| 0289   | Fiala 7x1F |

For standard bore valves  
Raccordi per valvole Standard



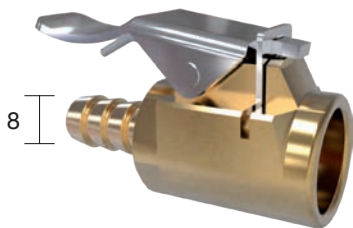
n. 0291

Replacement rubber washer  
For standard bore valves  
Guarnizione di ricambio per raccordi non automatici  
Per valvole Standard



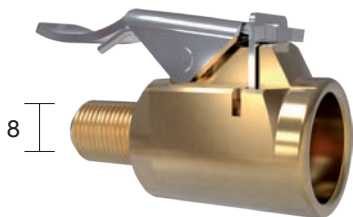
| WONDER |       | MICHELIN |  |
|--------|-------|----------|--|
| n.     | code  | n.       |  |
| 0294   | DOYCY | 984      |  |

For large bore valves  
Raccordi per valvole Grande Sezione



| WONDER |        | MICHELIN |  |
|--------|--------|----------|--|
| n.     | code   | n.       |  |
| 0296   | FIODOR | 767      |  |

Used in conjunction with air chuck 0290 and similar to inflate large bore tyres  
Raccordo rapido per trasformare un raccordo Standard in Grande Sezione

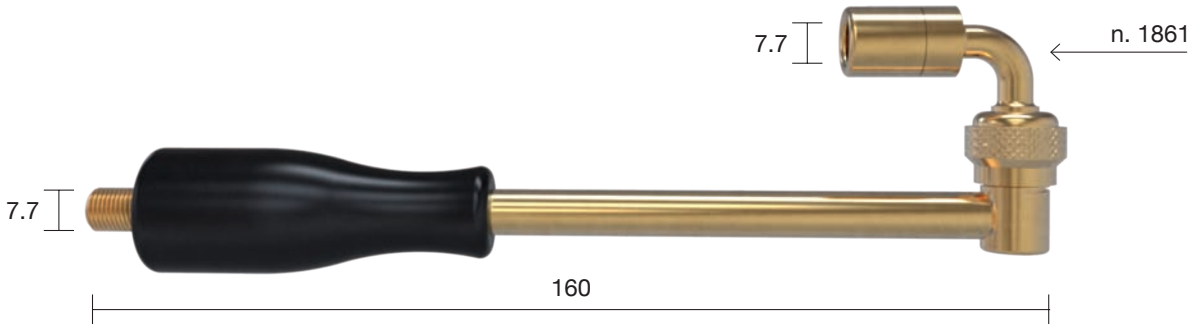


n. 0295

Replacement rubber washer  
For large bore valves  
Guarnizione di ricambio per raccordi non automatici  
Per valvole Grande Sezione



ACCESSORIES & TOOLS  
ACCESSORI E UTENSILI



| WONDER |             | MICHELIN |  |
|--------|-------------|----------|--|
| n.     | code        | n.       |  |
| 1860   | FERLA POMPA | 415      |  |

Pipe with swivel single foot chuck for standard bore valves  
End connector n. 1861  
Pipa a testina girevole per valvole Standard  
Terminale n. 1861

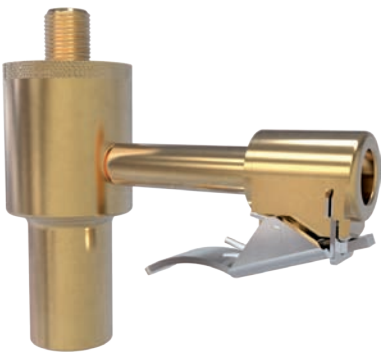


| WONDER |             |
|--------|-------------|
| n.     | code        |
| 1864   | FERLA FOUKE |

Pipe with swivel dual foot chuck for standard bore and large bore valves  
End connector n. 1865  
Pipa a testina girevole per valvole Standard e Grande Sezione  
Terminale n. 1865

| WONDER |       | MICHELIN |  |
|--------|-------|----------|--|
| n.     | code  | n.       |  |
| 1850   | FUIPO | 634      |  |

Tube deflator  
Vuota camere

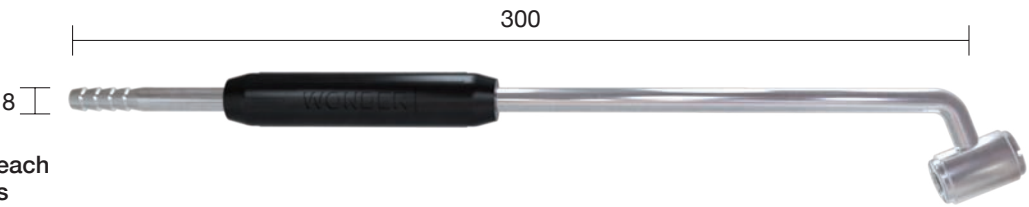


ACCESSORIES & TOOLS  
ACCESSORI E UTENSILI

WONDER

| n.   | code   |
|------|--------|
| 0255 | WATUSO |

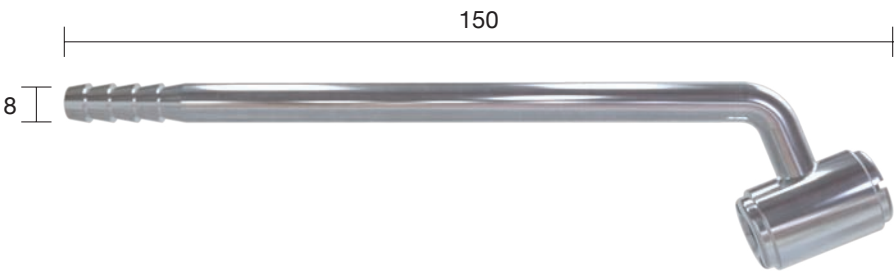
Dual foot chucks used to reach valves on twin truck wheels  
Pipe di gonfiaggio per ruote gemellate



WONDER

| n.   | code |
|------|------|
| 0250 | RJW  |

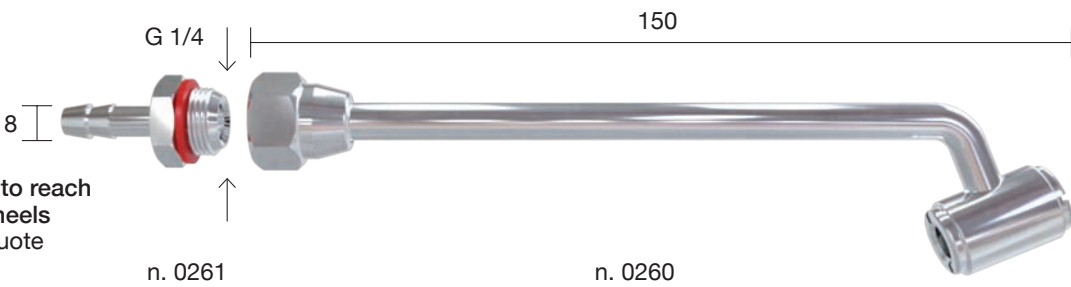
Dual foot chucks used to reach valves on twin truck wheels  
Pipe di gonfiaggio per ruote gemellate



WONDER

| n.   | code  |
|------|-------|
| 0260 | RJW/A |
| 0261 | RJW/B |

Dual foot chucks used to reach valves on twin truck wheels  
Pipe di gonfiaggio per ruote gemellate



WONDER

| n.   | code |
|------|------|
| 0281 | CK 1 |

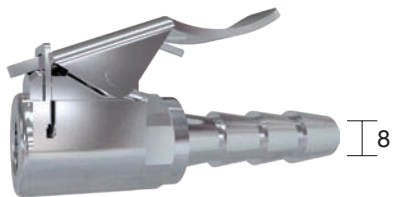
Ball foot air chuck  
Testina automatica



WONDER

| n.   | code |
|------|------|
| 0282 | CK 2 |

Single foot air chuck with clip  
Testina automatica con leva



n. 0284

Replacement rubber washer  
Guarnizione di ricambio

ACCESSORIES & TOOLS  
ACCESSORI E UTENSILI



WONDER

| n.   | code          |
|------|---------------|
| 5600 | METALFLEX 75  |
| 5601 | METALFLEX 105 |
| 5602 | METALFLEX 125 |
| 5603 | METALFLEX 140 |
| 5616 | METALFLEX 160 |
| 5604 | METALFLEX 180 |
| 5606 | METALFLEX 210 |
| 5608 | METALFLEX 270 |
| 5615 | METALFLEX 335 |
| 5611 | METALFLEX 370 |
| 5612 | METALFLEX 430 |
| 5613 | METALFLEX 475 |

MICHELIN

| n.   | code |
|------|------|
| 980  | R75  |
| 795  | R105 |
| 1325 | R125 |
| 1145 | R140 |
| 1488 | R160 |
| 723  | R180 |
| 743  | R210 |
| 940  | R270 |
| 720  | R335 |
| 873  | R370 |
| 797  | R430 |
| 721  | R475 |

L

| mm  |
|-----|
| 75  |
| 105 |
| 125 |
| 140 |
| 160 |
| 180 |
| 210 |
| 270 |
| 335 |
| 370 |
| 430 |
| 475 |

Steel braided original MICHELIN hose  
Hand tightening  
Tubo a treccia acciaio originale MICHELIN  
Serrare a mano



0.3÷0.5 Nm



WONDER

| n.   | code            |
|------|-----------------|
| 5803 | METALFLEX 140/B |
| 5806 | METALFLEX 210/B |
| 5821 | METALFLEX 280/B |
| 5822 | METALFLEX 360/B |
| 5823 | METALFLEX 460/B |

MICHELIN

| n.   | code   |
|------|--------|
| 1011 | RC 140 |
| 916  | RC 210 |
| 1422 | RC 280 |
| 1104 | RC 360 |
| 1511 | RC 460 |

L

| mm  |
|-----|
| 140 |
| 210 |
| 280 |
| 360 |
| 460 |

Steel braided original MICHELIN hose  
Hand tightening  
Tubo a treccia acciaio originale MICHELIN  
Serrare a mano



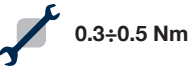
0.3÷0.5 Nm

ACCESSORIES & TOOLS  
ACCESSORI E UTENSILI



| WONDER |          | L   |
|--------|----------|-----|
| n.     | code     | mm  |
| 3998   | FLEX 75  | 75  |
| 3999   | FLEX 105 | 105 |
| 4000   | FLEX 125 | 125 |
| 4005   | FLEX 140 | 140 |
| 4024   | FLEX 160 | 160 |
| 4025   | FLEX 180 | 180 |
| 4035   | FLEX 210 | 210 |
| 4040   | FLEX 250 | 250 |
| 4045   | FLEX 270 | 270 |
| 4050   | FLEX 300 | 300 |
| 4051   | FLEX 330 | 330 |
| 4055   | FLEX 370 | 370 |
| 4060   | FLEX 430 | 430 |
| 4065   | FLEX 475 | 475 |
| 4070   | FLEX 500 | 500 |

Textile braided hose  
Hand tightening  
Tubo a treccia tessile  
Serrare a mano



0.3÷0.5 Nm



| WONDER |            | L   |
|--------|------------|-----|
| n.     | code       | mm  |
| 4320   | FLEX 125/B | 125 |
| 4325   | FLEX 140/B | 140 |
| 4330   | FLEX 180/B | 180 |
| 4335   | FLEX 210/B | 210 |
| 4332   | FLEX 250/B | 250 |
| 4340   | FLEX 270/B | 270 |
| 4342   | FLEX 300/B | 300 |
| 4345   | FLEX 330/B | 330 |
| 4350   | FLEX 370/B | 370 |
| 4355   | FLEX 430/B | 430 |
| 4360   | FLEX 475/B | 475 |
| 4365   | FLEX 500/B | 500 |

Textile braided hose  
Hand tightening  
Tubo a treccia tessile  
Serrare a mano



0.3÷0.5 Nm

ACCESSORIES & TOOLS  
ACCESSORI E UTENSILI

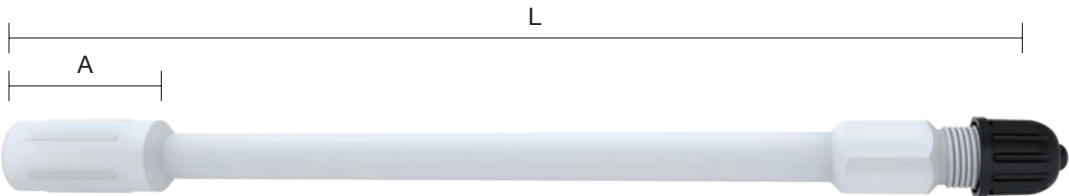


| WONDER |        | L   |
|--------|--------|-----|
| n.     | code   | mm  |
| 0300   | PR 30  | 30  |
| 0302   | PR 40  | 40  |
| 0304   | PR 50  | 50  |
| 0306   | PR 60  | 60  |
| 0308   | PR 80  | 80  |
| 0310   | PR 100 | 100 |
| 0312   | PR 130 | 130 |
| 0314   | PR 160 | 160 |

Straight metal type  
Prolunghe dritte in metallo

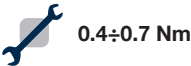


0.4÷0.7 Nm

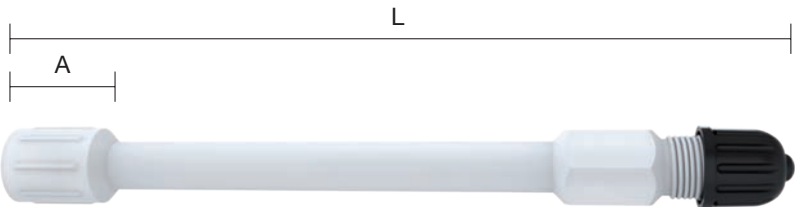


| WONDER |           | L   | A  |
|--------|-----------|-----|----|
| n.     | code      | mm  | mm |
| 0328   | PR-PL 71  | 71  | 25 |
| 0329   | PR-PL 95  | 95  | 25 |
| 0330   | PR-PL 115 | 115 | 25 |
| 0333   | PR-PL 125 | 125 | 25 |
| 0334   | PR-PL 150 | 150 | 25 |
| 0335   | PR-PL 170 | 170 | 25 |
| 0336   | PR-PL 180 | 180 | 25 |

Straight plastic type  
Prolunghe dritte in plastica

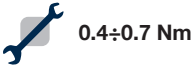


0.4÷0.7 Nm



| WONDER |             | L   | A  |
|--------|-------------|-----|----|
| n.     | code        | mm  | mm |
| 0338   | PR-PL 61/C  | 61  | 15 |
| 0339   | PR-PL 85/C  | 85  | 15 |
| 0340   | PR-PL 105/C | 105 | 15 |
| 0343   | PR-PL 115/C | 115 | 15 |
| 0344   | PR-PL 140/C | 140 | 15 |
| 0345   | PR-PL 160/C | 160 | 15 |
| 0346   | PR-PL 170/C | 170 | 15 |

Straight plastic type  
Prolunghe dritte in plastica

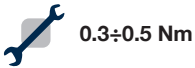


0.4÷0.7 Nm

WONDER

| n.   | code  |
|------|-------|
| 0351 | PRC 1 |

Bent metal type  
Prolunghe piegate in metallo

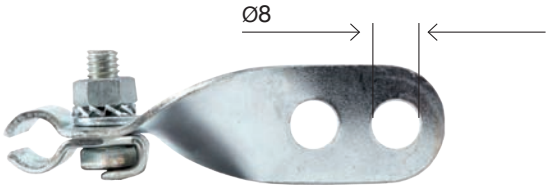


WONDER

| n.   | code  |
|------|-------|
| 4450 | HAYON |

MICHELIN

| n.  |
|-----|
| 798 |



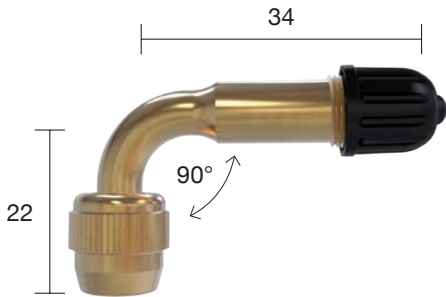
WONDER

| n.   | code  |
|------|-------|
| 0352 | PRC 2 |

MICHELIN

| n.   |
|------|
| 1197 |

Bent metal type  
Prolunghe piegate in metallo



WONDER

| n.   | code     | n.   | L  |
|------|----------|------|----|
| 4451 | MORSE    | 1144 | 16 |
| 4455 | MORSE TB | -    | 25 |

MICHELIN

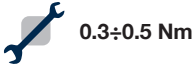
| n.   | code     |
|------|----------|
| 1144 | MORSE    |
| -    | MORSE TB |



WONDER

| n.   | code  |
|------|-------|
| 0353 | PRC 3 |

Bent metal type  
Prolunghe piegate in metallo

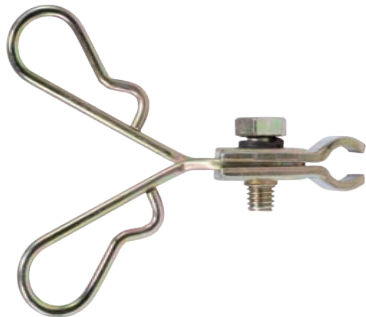


WONDER

| n.   | code  |
|------|-------|
| 4452 | FARFE |

MICHELIN

| n.   |
|------|
| 1431 |



WONDER

| n.   | code   | L  |
|------|--------|----|
| 0145 | MAPL 2 | 26 |
| 0146 | MAPL 3 | 40 |

Straight plastic type  
Prolunghe dritte in plastica

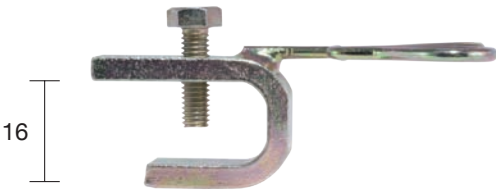


WONDER

| n.   | code    |
|------|---------|
| 4454 | MORSE 2 |

MICHELIN

| n.   |
|------|
| 1431 |



ACCESSORIES & TOOLS  
ACCESSORI E UTENSILI

WONDER

| n.   | code   |
|------|--------|
| 0205 | FL/LON |

Tyre valve threads repair tool with extractor of damaged cores and core screwdriver  
Filiera ripasso valvole con cacciavite ed estrattore meccanismi difettosi

For standard bore valves  
Per valvole Standard



WONDER

| n.   | code |
|------|------|
| 0242 | CAC  |

Metal core screwdriver  
Cacciavite in metallo per meccanismi

For standard bore valves  
Per valvole Standard



WONDER

| n.   | code     | L<br>mm |
|------|----------|---------|
| 0241 | CAC/PL   | 25      |
| 0239 | CAC/PL-L | 100     |
| 0238 | CAC/PL-M | 45      |

Core screwdriver with plastic handle  
Cacciavite per meccanismi con impugnatura in plastica

For standard bore valves  
Per valvole Standard



WONDER

| n.   | code | MICHELIN<br>n. |
|------|------|----------------|
| 1800 | FLOC | 1255           |

Tool for inserting and removing caps and cores  
Strumento per avvitare e svitare coperchietti e meccanismi

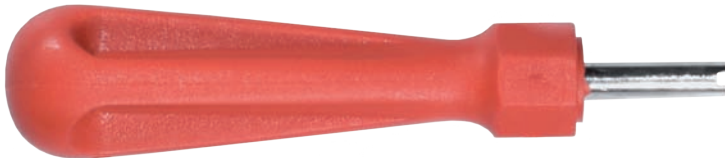
For standard bore valves  
Per valvole Standard



WONDER

| n.   | code      |
|------|-----------|
| 0244 | CAC/LB-PL |

Core screwdriver with plastic handle  
Cacciavite per meccanismi con impugnatura in plastica



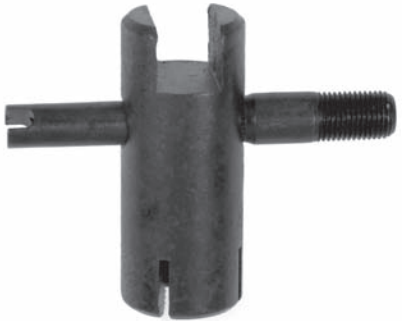
ACCESSORIES & TOOLS  
ACCESSORI E UTENSILI

WONDER

| n.   | code  |
|------|-------|
| 0206 | FL/LB |

Tyre valve threads repair tool with core screwdriver  
Filiera ripasso valvole con cacciavite

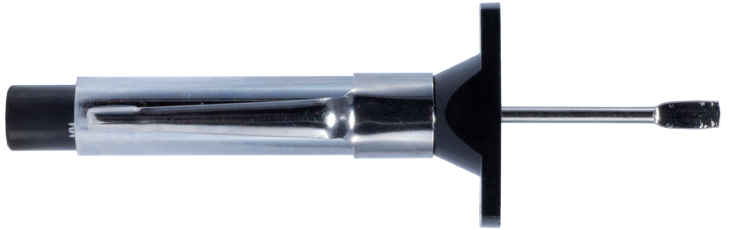
For large bore valves  
Per valvole Grande Sezione



WONDER

| n.   | code |
|------|------|
| 1990 | TTT  |

Tyre tread depth gauge (graduated in mm)  
Misuratore di profondità battistrada (in mm)



WONDER

| n.   | code  |
|------|-------|
| 1460 | RAMPO |

Needle for inserting tubeless tyre repair plugs  
Attrezzo con impugnatura in plastica per inserzione tappi di riparazione



WONDER

| n.   | code |
|------|------|
| 1450 | TUSS |

Metal tool for installation or removal of SNAP-IN tubeless tyre valves, with adjustable top  
Leva in metallo per montaggio e rimozione valvole tubeless SNAP-IN, con raccordo regolabile



WONDER

| n.   | code  |
|------|-------|
| 1455 | TIRVA |

Plastic tool for installation or removal of SNAP-IN tubeless valves, with adjustable top  
Leva in plastica per montaggio e rimozione valvole tubeless SNAP-IN, con raccordo regolabile



ACCESSORIES & TOOLS  
ACCESSORI E UTENSILI



| WONDER |      | MICHELIN |
|--------|------|----------|
| n.     | code | n.       |
| 1547   | MOTO | 1547     |

**MICHELIN lever**  
For motorcycle tyres  
38 cm length

Leva MICHELIN per moto  
Lunghezza 38 cm



| WONDER |       | MICHELIN |
|--------|-------|----------|
| n.     | code  | n.       |
| 1060   | HALTE | 1060     |

**MICHELIN lever**  
For tubeless truck tyres mounted on  
15° drop-centre rims  
80 cm length

Leva MICHELIN per pneumatici tubeless  
di autoveicoli industriali montati su cerchi  
a canale sedi tallone a 15°  
Lunghezza 80 cm



| WONDER |       | MICHELIN |
|--------|-------|----------|
| n.     | code  | n.       |
| 1289   | FORCE | 1289     |

**MICHELIN lever**  
For agricultural and truck tubeless tyres on  
drop-centre rims (large section)  
75 cm length

Leva MICHELIN per pneumatici agricoli e  
pneumatici tubeless di autoveicoli industriali  
montati su cerchi a canale (larga sezione)  
Lunghezza 75 cm



| WONDER |      | MICHELIN |
|--------|------|----------|
| n.     | code | n.       |
| 0426   | FACE | 426      |

**MICHELIN lever**  
For agricultural and truck tubeless tyres on  
drop-centre rims (small tyres)  
53 cm length

Leva MICHELIN per pneumatici agricoli e  
pneumatici tubeless di autoveicoli industriali  
montati su cerchi a canale (piccola sezione)  
Lunghezza 53 cm

ACCESSORIES & TOOLS  
ACCESSORI E UTENSILI

| WONDER |       | MICHELIN |
|--------|-------|----------|
| n.     | code  | n.       |
| 0425   | FUSIL | 425      |

**MICHELIN lever**  
For passenger car tyres  
38 cm length

Leva MICHELIN per auto  
Lunghezza 38 cm



| WONDER |        | MICHELIN |
|--------|--------|----------|
| n.     | code   | n.       |
| 0427   | FIACRE | 427      |

**MICHELIN lever**  
For all truck tyres with tube or tubeless on flat rims  
46 cm length

Leva MICHELIN per pneumatici con camera d'aria o  
tubeless di autoveicoli industriali montati su cerchi piatti  
Lunghezza 46 cm



| WONDER |       | MICHELIN |
|--------|-------|----------|
| n.     | code  | n.       |
| 0428   | FIFRE | 428      |

**MICHELIN lever**  
For all truck tyres with tube or tubeless on flat rims  
46 cm length

Leva MICHELIN per pneumatici con camera d'aria o  
tubeless di autoveicoli industriali montati su cerchi piatti  
Lunghezza 46 cm



| WONDER |       | MICHELIN |
|--------|-------|----------|
| n.     | code  | n.       |
| 0858   | SAYAM | 858      |

**MICHELIN lever**  
For EM tyres  
95 cm length

Leva MICHELIN per pneumatici Genio civile  
Lunghezza 95 cm



| WONDER |       | MICHELIN |
|--------|-------|----------|
| n.     | code  | n.       |
| 1230   | FAGUS | 1230     |

**MICHELIN bead remover**  
140 cm length

Stallonatore MICHELIN  
Lunghezza 140 cm



INDUSTRIAL VALVES

The present section includes valves for industrial applications, such as heating, air conditioning, fire extinguishers, tanks, etc.

The next page shows standard valves and cores only. All valves are manufactured to customers specifications. On request WONDER shall be pleased to submit a project and a quote.

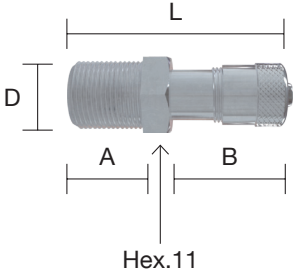
VALVOLE INDUSTRIALI

Questa sezione comprende valvole per applicazioni industriali, come impianti di condizionamento e riscaldamento, vasi di espansione, estintori, ecc.

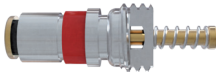
Nella pagina seguente sono illustrati unicamente valvole e meccanismi standard. Tutte le valvole sono prodotte su specifiche del cliente. Su richiesta WONDER sarà lieta di offrire soluzioni e offerte personalizzate.

| WONDER |        | A  | B  | L       |    |
|--------|--------|----|----|---------|----|
| n.     | code   | mm | mm | D       | mm |
| 4500   | TANK-0 | 11 | 14 | 1/8     | 29 |
| 4501   | TANK-1 | 9  | 9  | 1/8 NPT | 23 |
| 4502   | TANK-2 | 9  | 6  | M8      | 19 |
| 4503   | TANK-3 | 9  | 9  | M8      | 22 |

Tank valves  
Valvole per serbatoi



| WONDER |         | APPLICATION      |
|--------|---------|------------------|
| n.     | code    |                  |
| 0076   | MB/OT-F | AIR CONDITIONING |



0.4÷0.6 Nm

| WONDER |        | SPRING          | SPRING  |
|--------|--------|-----------------|---------|
| n.     | code   | MATERIAL        | TENSION |
| 0155   | M8 x 1 | STAINLESS STEEL | MEDIUM  |

Air conditioning  
Valvole aria condizionata



0.7÷1.1 Nm

WONDER

| n.     | code        | ETRTO | TR          | page |
|--------|-------------|-------|-------------|------|
| 0011   | C 95 DIN    | -     | VC 3        | 36   |
| 0012   | C 95 S      | -     | VC 3        | 36   |
| 0020   | TU/HEX      | -     | -           | 36   |
| 0076   | MB/OT-F     | -     | -           | 61   |
| 0078   | MB/OT       | -     | C1          | 38   |
| 0090   | DIN         | -     | C1          | 38   |
| 0110   | PL          | -     | VC 8        | 36   |
| 0115   | PL/R        | -     | -           | 36   |
| 0115 R | PL/R        | -     | -           | 36   |
| 0115 V | PL/R        | -     | -           | 36   |
| 0129   | LB/TRVC 7   | -     | VC 7        | 37   |
| 0131   | LB/CAP      | -     | VC 6        | 37   |
| 0132   | DO/CAP      | -     | equiv. VC 7 | 37   |
| 0133   | MI/CAP      | -     | -           | 37   |
| 0145   | MAPL 2      | -     | -           | 54   |
| 0146   | MAPL 3      | -     | -           | 54   |
| 0155   | M8 x 1      | -     | -           | 61   |
| 0158   | MB/LB       | -     | C2          | 38   |
| 0160   | LB 20       | -     | C2          | 38   |
| 0205   | FL/LON      | -     | -           | 56   |
| 0206   | FL/LB       | -     | -           | 57   |
| 0238   | CAC/PL-M    | -     | -           | 56   |
| 0239   | CAC/PL-L    | -     | -           | 56   |
| 0241   | CAC/PL      | -     | -           | 56   |
| 0242   | CAC         | -     | -           | 56   |
| 0244   | CAC/LB-PL   | -     | -           | 56   |
| 0250   | RJW         | -     | -           | 50   |
| 0255   | WATUSSO     | -     | -           | 50   |
| 0260   | RJW/A       | -     | -           | 50   |
| 0261   | RJW/B       | -     | -           | 50   |
| 0281   | CK 1        | -     | -           | 50   |
| 0282   | CK 2        | -     | -           | 50   |
| 0284   | -           | -     | -           | 50   |
| 0288   | Fiala 7     | -     | -           | 48   |
| 0289   | Fiala 7x1F  | -     | -           | 48   |
| 0290   | Fiala 6     | -     | -           | 48   |
| 0291   | -           | -     | -           | 48   |
| 0292   | Fiala 8     | -     | -           | 48   |
| 0294   | DOYCY       | -     | -           | 48   |
| 0295   | -           | -     | -           | 48   |
| 0296   | FIODOR      | -     | -           | 48   |
| 0300   | PR 30       | -     | -           | 53   |
| 0302   | PR 40       | -     | -           | 53   |
| 0304   | PR 50       | -     | -           | 53   |
| 0306   | PR 60       | -     | -           | 53   |
| 0308   | PR 80       | -     | -           | 53   |
| 0310   | PR 100      | -     | -           | 53   |
| 0312   | PR 130      | -     | -           | 53   |
| 0314   | PR 160      | -     | -           | 53   |
| 0328   | PR-PL 71    | -     | -           | 53   |
| 0329   | PR-PL 95    | -     | -           | 53   |
| 0330   | PR-PL 115   | -     | -           | 53   |
| 0333   | PR-PL 125   | -     | -           | 53   |
| 0334   | PR-PL 150   | -     | -           | 53   |
| 0335   | PR-PL 170   | -     | -           | 53   |
| 0336   | PR-PL 180   | -     | -           | 53   |
| 0338   | PR-PL 61/C  | -     | -           | 53   |
| 0339   | PR-PL 85/C  | -     | -           | 53   |
| 0340   | PR-PL 105/C | -     | -           | 53   |

WONDER

| n.   | code               | ETRTO   | TR    | page |
|------|--------------------|---------|-------|------|
| 0343 | PR-PL 115/C        | -       | -     | 53   |
| 0344 | PR-PL 140/C        | -       | -     | 53   |
| 0345 | PR-PL 160/C        | -       | -     | 53   |
| 0346 | PR-PL 170/C        | -       | -     | 53   |
| 0351 | PRC 1              | -       | -     | 54   |
| 0352 | PRC 2              | -       | -     | 54   |
| 0353 | PRC 3              | -       | -     | 54   |
| 0425 | FUSIL              | -       | -     | 59   |
| 0426 | FACE               | -       | -     | 58   |
| 0427 | FIACRE             | -       | -     | 59   |
| 0428 | FIFRE              | -       | -     | 59   |
| 0500 | VE1                | V1-05-1 | -     | 6    |
| 0527 | TUSCO              | -       | -     | 7    |
| 0533 | TUAP               | -       | -     | 7    |
| 0534 | TUMOTO             | V1-11-1 | -     | 7    |
| 0535 | TUMO               | V1-10-1 | -     | 7    |
| 0555 | 10-40-24           | -       | -     | 8    |
| 0584 | Trak 618/Fer corto | -       | -     | 29   |
| 0585 | Trak 18/Fer        | -       | -     | 28   |
| 0586 | Trak 618           | V5-01-1 | 618 A | 29   |
| 0587 | Trak 621           | V5-02-1 | 621 A | 30   |
| 0588 | Trak 622           | V5-02-2 | 622 A | 30   |
| 0589 | Trak 623           | V5-02-3 | 623 A | 30   |
| 0590 | T18/i              | -       | CH 1  | 29   |
| 0595 | T18/Fer            | V4-02-1 | CH 3  | 29   |
| 0596 | T18/Fer corto      | -       | -     | 29   |
| 0600 | Trak 718           | -       | -     | 29   |
| 0610 | Trak 718           | -       | -     | 29   |
| 0858 | SAYAM              | -       | -     | 59   |
| 1060 | HALTE              | -       | -     | 58   |
| 1110 | BVU                | V3-08-3 | -     | 16   |
| 1111 | RVU                | V9-05-1 | -     | 16   |
| 1114 | BVR                | V3-08-4 | -     | 16   |
| 1140 | TUCA 40            | -       | -     | 23   |
| 1141 | TUCA 41            | -       | -     | 23   |
| 1142 | TUCA 42            | -       | -     | 23   |
| 1150 | TUCA 1 SP          | -       | -     | 22   |
| 1151 | TUCA 1             | V3-12-1 | -     | 22   |
| 1152 | TUCA 2             | V3-12-2 | -     | 22   |
| 1155 | TUCA 3             | V3-13-1 | -     | 22   |
| 1156 | TUCA 4             | V3-13-2 | -     | 22   |
| 1157 | TUCA 5             | -       | -     | 22   |
| 1158 | TUCA 75            | -       | -     | 22   |
| 1160 | TUCA 6             | V3-14-1 | -     | 22   |
| 1161 | TUCA 7             | V3-14-2 | -     | 22   |
| 1162 | TUCA 8             | V3-14-3 | -     | 22   |
| 1163 | TUCA 9             | -       | -     | 22   |
| 1165 | TUCA 8 SP          | -       | -     | 22   |
| 1170 | TUCA 10            | V3-16-1 | -     | 23   |
| 1171 | TUCA 21            | V3-15-1 | -     | 23   |
| 1172 | TUCA 22            | V3-15-2 | -     | 23   |
| 1175 | TUCA 11            | V3-18-1 | -     | 24   |
| 1176 | TUCA 12            | V3-18-4 | -     | 24   |
| 1177 | TUCA 13            | V3-18-2 | -     | 24   |
| 1178 | TUCA 14            | V3-18-5 | -     | 24   |
| 1179 | TUCA 19            | -       | -     | 24   |
| 1180 | TUCA 15            | V3-19-1 | -     | 24   |
| 1181 | TUCA 16            | V3-19-3 | -     | 24   |
| 1182 | TUCA 17            | V3-17-1 | -     | 24   |

WONDER

| n.     | code          | ETRTO    | TR     | page |
|--------|---------------|----------|--------|------|
| 1183   | TUCA 18       | V3-17-2  | -      | 24   |
| 1184   | TUCA 90       | -        | -      | 24   |
| 1185   | TUCA 91       | -        | -      | 24   |
| 1200   | TUSCO P       | -        | -      | 7    |
| 1203   | -             | -        | -      | 10   |
| 1204   | -             | -        | -      | 10   |
| 1207   | -             | -        | -      | 10   |
| 1210   | TR 412        | V2-03-6  | 412    | 9    |
| 1213   | TR 413        | V2-03-1  | 413    | 9    |
| 1213/C | TR 413/C      | V2-03-1  | 413    | 9    |
| 1214   | TR 414        | V2-03-2  | 414    | 9    |
| 1214/C | TR 414/C      | V2-03-2  | 414    | 9    |
| 1217   | TR 414/L      | V2-03-8  | 414 L  | 9    |
| 1218   | TR 418        | V2-03-4  | 418    | 9    |
| 1218/C | TR 418/C      | V2-03-4  | 418    | 9    |
| 1220   | TR 600 HP     | V3-23-1  | 600 HP | 10   |
| 1221   | TR 602 HP     | V3-23-2  | 602 HP | 10   |
| 1230   | FAGUS         | -        | -      | 59   |
| 1289   | FORCE         | -        | -      | 58   |
| 1315   | TR 415        | V2-03-3  | 415    | 9    |
| 1330   | 70MS-27       | -        | -      | 20   |
| 1333   | 60MS          | -        | -      | 21   |
| 1334   | 70MS          | -        | -      | 20   |
| 1335   | 54MS          | -        | -      | 21   |
| 1336   | TR554         | -        | -      | 21   |
| 1337   | 40MS          | -        | -      | 20   |
| 1350   | BMW           | -        | -      | 11   |
| 1351   | BMW-L         | -        | -      | 11   |
| 1352   | BMW-N         | -        | -      | 11   |
| 1353   | -             | -        | -      | 26   |
| 1354   | -             | -        | -      | 27   |
| 1359   | TURING 59     | -        | 542    | 19   |
| 1360   | TURING 60     | -        | 543 D  | 19   |
| 1361   | TURING 61     | -        | 543 E  | 19   |
| 1362   | TURING 62     | -        | 543 C  | 19   |
| 1364   | TURING 64     | -        | 545 D  | 19   |
| 1366   | TURING 66     | -        | 544 D  | 19   |
| 1367   | TURING 67     | -        | 544    | 19   |
| 1368   | TURING 68     | -        | 546 D  | 19   |
| 1370   | TURING 70     | -        | 543    | 19   |
| 1371   | TURING 71     | -        | 545    | 19   |
| 1372   | TURING 68/36  | -        | 546-36 | 19   |
| 1390   | TURING 90     | V3-22-1  | -      | 18   |
| 1392   | -             | -        | -      | 26   |
| 1393   | -             | -        | -      | 26   |
| 1394   | -             | -        | -      | 27   |
| 1395   | -             | -        | -      | 27   |
| 1399   | 11-T-DA       | V2-05-1  | 416 S  | 11   |
| 1400   | TU/OTDA       | V2-04-1  | -      | 10   |
| 1401   | 11-T          | V2-05-1  | 416 S  | 11   |
| 1402   | 16-T          | V2-05-2  | 416    | 11   |
| 1405   | TU/AL         | V2-04-1  | -      | 10   |
| 1406   | TU/OT         | V2-04-1  | -      | 10   |
| 1410   | TU/MI         | -        | -      | 11   |
| 1411/C | TURING 1 SPEC | -        | -      | 19   |
| 1413   | TURING 23     | V3-20-11 | -      | 18   |
| 1414/C | TURING 7 SPEC | -        | -      | 19   |
| 1415   | TUSP          | -        | -      | 11   |
| 1417   | TURING 17     | -        | -      | 17   |

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| 1423 | TURING 19     | -        | -          | 17   |
| 1424 | TURING 18     | -        | -          | 17   |
| 1425 | TURING 5      | V3-20-2  | -          | 17   |
| 1426 | TURING 6      | V3-20-4  | -          | 17   |
| 1427 | TURING 7      | V3-20-5  | -          | 17   |
| 1428 | TURING 8      | V3-20-6  | -          | 17   |
| 1429 | TURING 9      | V3-20-7  | -          | 17   |
| 1430 | TURING 10     | V3-20-8  | -          | 17   |
| 1431 | TURING 11     | -        | -          | 17   |
| 1432 | TURING 12     | V3-20-12 | -          | 17   |
| 1433 | TURING 13     | V3-20-10 | -          | 17   |
| 1434 | TURING 14     | -        | -          | 17   |
| 1435 | TUGRO 1       | V3-21-1  | 575        | 25   |
| 1436 | TUGRO 2       | V3-21-2  | 501        | 25   |
| 1437 | TUGRO 3       | V3-21-3  | 500        | 25   |
| 1438 | TUGRO 4       | V3-21-4  | 570        | 25   |
| 1439 | TUGRO 5       | V3-21-5  | 571        | 25   |
| 1440 | TUGRO 6       | V3-21-6  | 572        | 25   |
| 1441 | TUGRO 7       | V3-21-7  | 573        | 25   |
| 1442 | TUGRO 8       | V3-21-8  | 574        | 25   |
| 1443 | TUGRO 9       | V3-21-9  | 570 C      | 25   |
| 1444 | TUGRO 10      | V3-21-10 | 571 C      | 25   |
| 1445 | TUGRO 11      | V3-21-11 | 572 C      | 25   |
| 1446 | TUGRO 12      | V3-21-12 | 573 C      | 25   |
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| 1455 | TIRVA         | -        | -          | 57   |
| 1460 | RAMPO         | -        | -          | 57   |
| 1520 | TRJ 670       | V5-03-1  | J670       | 31   |
| 1521 | TRJ 650       | V5-04-1  | J650       | 31   |
| 1522 | TRJ 651       | V5-04-2  | J651       | 31   |
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| 1524 | TRJ 655       | -        | J655       | 31   |
| 1525 | TRJ 657       | -        | J657       | 31   |
| 1526 | TRJ 4000/6    | -        | J4000/6    | 31   |
| 1527 | TRJ 4000/8    | -        | J4000/8    | 31   |
| 1528 | TRJ 4000/24   | -        | J4000/24   | 31   |
| 1529 | TRJ 653       | -        | J653       | 31   |
| 1533 | TRJ 4000/2.50 | -        | J4000/2.50 | 31   |
| 1534 | TRJ 4000/4.50 | -        | J4000/4.50 | 31   |
| 1535 | TRJ 4000/8.75 | -        | J4000/8.75 | 31   |
| 1536 | TRJ 4000/7.50 | -        | J4000/7.50 | 31   |
| 1545 | TR SP 2       | V5-10-1  | SP2        | 31   |
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| 1550 | AD            | -        | AD/1       | 37   |
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| 1565 | ORFLEX 140    | -        | -          | 34   |
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| 1570 | ORFLEX 350    | -        | -          | 34   |
| 1571 | ORFLEX 400    | -        | -          | 34   |
| 1572 | ORFLEX 475    | -        | -          | 34   |
| 1573 | ORFLEX 550    | -        | -          | 34   |
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| 1575 | ORFLEX 690    | -        | -          | 34   |

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| 1586 | ORS 160    | -        | -   | 34   |
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| 1594 | ORS 600    | -        | -   | 34   |
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| 1613 | VU 1/47    | V3-02-4  | 274 | 13   |
| 1615 | VU 1/50    | V3-02-5  | 274 | 13   |
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| 1624 | VU 1/130   | V3-02-12 | 178 | 13   |
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| 1633 | VU 1/56    | V3-02-20 | 274 | 13   |
| 1635 | VU 1/75    | V3-02-27 | 75  | 13   |
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| 1655 | VU 2/5     | V3-04-1  | -   | 14   |
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| 1720     | TULB 11              | V5-08-2 | 966   | 33   |
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| 1760     | TRJ 690              | V5-05-1 | J690  | 34   |
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| 1861     | POMPA                | -       | -     | 49   |
| 1864     | FERLA FOUKE          | -       | -     | 49   |
| 1865     | FOUKE                | -       | -     | 49   |
| 1870     | ALISEO               | -       | -     | 45   |
| 1900     | EURODAIRA            | -       | -     | 44   |
| 1901     | -                    | -       | -     | 44   |
| 1920     | EURODAIRA P.FE.      | -       | -     | 44   |
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| 1930     | EURODAIRA W.F.       | -       | -     | 45   |
| 1931     | -                    | -       | -     | 45   |
| 1940     | EURODAIRA L.BO.      | -       | -     | 45   |
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| 4332 | FLEX 250/B      | -       | -     | 52   |
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| 4350 | FLEX 370/B      | -       | -     | 52   |
| 4355 | FLEX 430/B      | -       | -     | 52   |
| 4360 | FLEX 475/B      | -       | -     | 52   |
| 4365 | FLEX 500/B      | -       | -     | 52   |
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| 4501 | TANK-1          | -       | -     | 61   |
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| 5615 | METALFLEX 335   | -       | -     | 51   |
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| 5803 | METALFLEX 140/B | -       | -     | 51   |
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