



# Millard®

GLOBAL QUALITY FILTERS

**COSTA RICA 2024**

**BUYERS GUIDE**



# CALIDAD GLOBAL

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Millard® is the European Brand specialized in high tech filtration systems for the automotive industry. Quality is the essence that inspires us, resulting in filters made for the best vehicle brands in the world.

Millard® offers to its markets, products and services with the highest quality level. Innovation and new technologies allow the vehicle fluids to work in optimal conditions to benefit a conscious energy consumption, environmental care and health of the population.

Millard® es la marca europea especializada en la fabricación de sistemas de alta tecnología en filtración para la industria automotriz. La calidad es la esencia que nos inspira en la fabricación de productos de alto rendimiento para las más acreditadas marcas a nivel mundial.

Millard® ofrece a todos los mercados, productos y servicios con el mismo y más alto nivel de calidad. Innovar y desarrollar nuevas tecnologías que permitan el funcionamiento óptimo de los fluidos en beneficio de un consumo de energía consciente y respetuoso con el medio ambiente y la salud de las poblaciones.

Millard® é a marca europeia especializada no fabrico de sistemas de alta tecnologia em filtração para a indústria automóvel. A qualidade é a essência que nos inspira para a fabricação de produtos de alto rendimento para as marcas mais conceituadas a nível mundial.

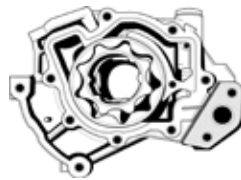
Millard® oferece a todos os mercados, produtos e serviços com o mesmo e mais alto nível de qualidade. Inovar e desenvolver novas tecnologias que permitam um óptimo funcionamento dos fluidos em benefício de um consumo de energia consciente, que respeita o ambiente e a saúde das populações.





# ÍNDICE

|   |                                                                                                            |           |
|---|------------------------------------------------------------------------------------------------------------|-----------|
| ● | <b>NUESTRA LÍNEA DE PRODUCTOS</b>                                                                          | <b>4</b>  |
| ● | <b>INFORMACIÓN TÉCNICA</b>                                                                                 | <b>5</b>  |
| ● | <b>LISTA DE PRODUCTOS</b>                                                                                  | <b>6</b>  |
|   |  Filtros de Cabina      | <b>6</b>  |
|   |  Filtros de Aire        | <b>10</b> |
|   |  Filtros de Combustible | <b>18</b> |
|   |  Filtros de Aceite      | <b>24</b> |
| ● | <b>PRODUCTOS LARSSÖN</b>                                                                                   | <b>30</b> |
| ● | <b>GUÍA DE INSTALACIÓN</b>                                                                                 | <b>34</b> |
| ● | <b>MILLARD ONLINE</b> <a href="http://www.millardcatalog.com">www.millardcatalog.com</a>                   | <b>36</b> |

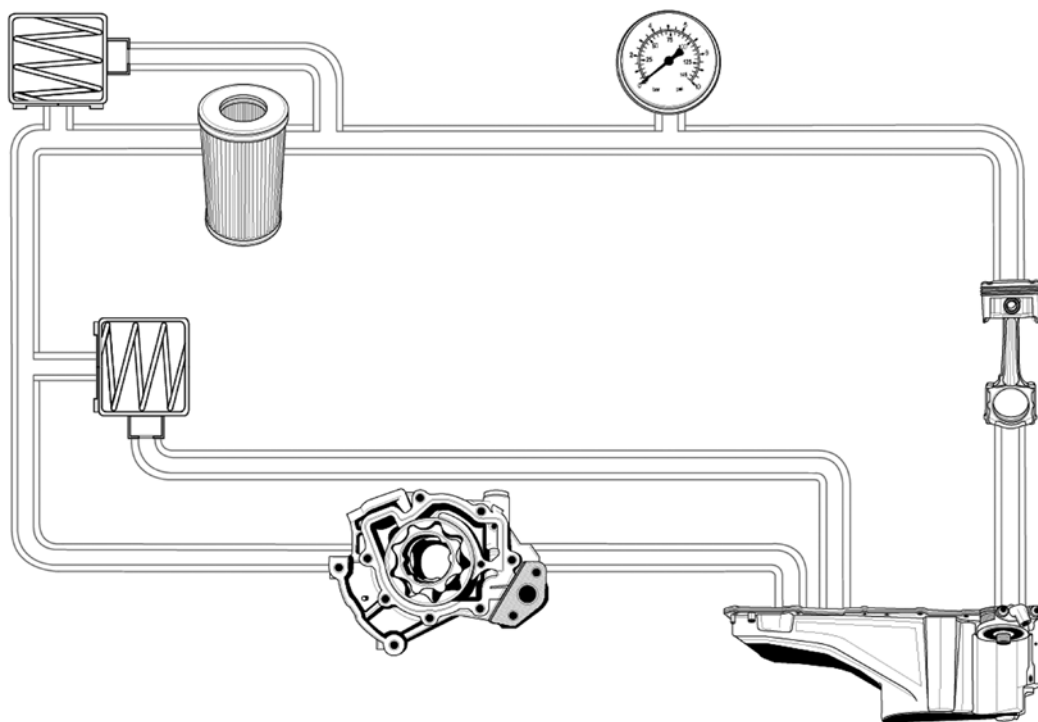


## CALIDAD EN LA INDUSTRIALIZACIÓN

Millard® supervisa los procesos productivos de sus fábricas con instrumentos de prevención de fallos AMFE (Análisis modal de fallos y efectos) aplicado al proceso de fabricación.

## CALIDAD EN LA FABRICACIÓN

Millard® supervisa los procesos. Todos los filtros estancos pasan por una fase de prueba de estanqueidad que afecta el 100% de las piezas, lo que elimina cualquier probabilidad de un producto con defecto pueda ser distribuido.





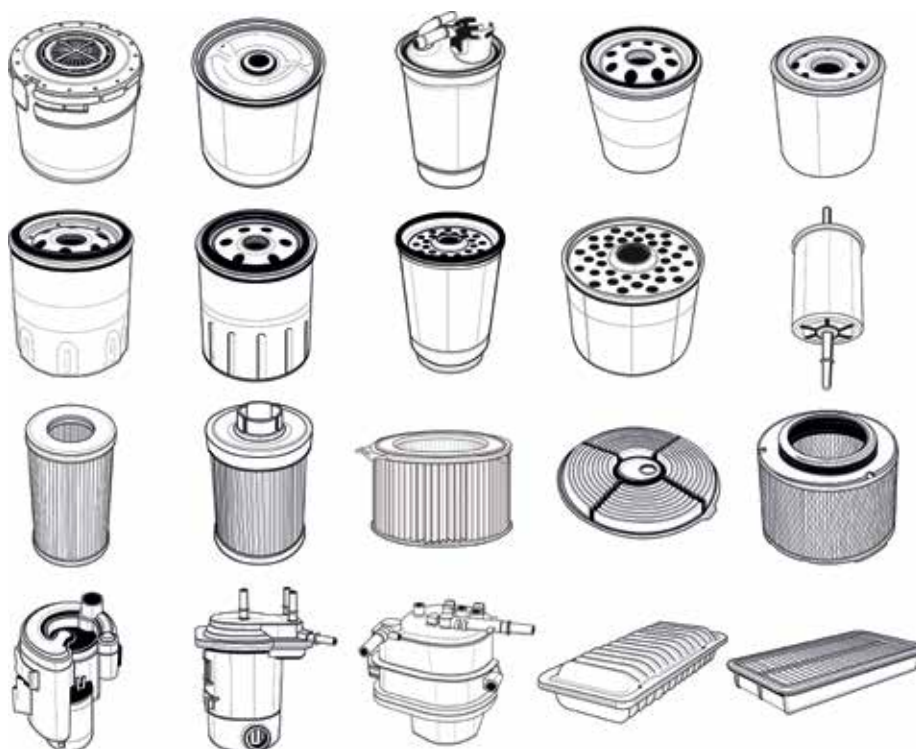
## NUESTRA LÍNEA DE PRODUCTOS

### CALIDAD EN EL DISEÑO

El diseño de productos Millard® cumple con las especificaciones requeridas por los fabricantes de Automóviles. Los diseños son auditados periódicamente a través de actividades de 'Design Review' para asegurar la puesta al día de materiales y especificaciones.

### CALIDAD EN EL DESARROLLO

El desarrollo de producto Millard® sigue las directrices marcadas por las norma TS16949 de la industria de la automoción e incluye la aplicación de las herramientas contenidas en el APQP (Planificación avanzada de la calidad de producto) de igual manera manera como que se utiliza en el desarrollo de equipos OEM.





## FILTROS DE CABINA

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Air quality inside the passenger's cabin is guaranteed by Millard® cabin filters through the latest technology in pleating geometry, high tech synthetic fibers with and without activated carbon and its easy and accurate fitting, trapping health threatening agents such as allergens and bacteria.

La calidad del aire en el habitáculo es garantizada por los filtros Millard® a través de la más moderna tecnología de geometría de plisado en los elementos filtrantes y en su encaje fácil, cierto y preciso, evitando de esta forma los reflujos del aire no filtrados.

A qualidade do ar no habitáculo é garantida pela capacidade dos filtros Millard® através da mais moderna tecnologia de geometria de plissado dos elementos filtrantes e no seu encaixe fácil, certo e preciso, evitando desta forma os refluxos do ar não filtrados.



| MC-10082                                                                                                                                                          | CROSS REFERENCES |             | BRAND  | MODEL      | ENGINE | KW |      |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|--------|------------|--------|----|------|------|
|  <p> <b>H</b> = 20 mm<br/> <b>L</b> = 210 mm<br/> <b>W</b> = 224 mm         </p> | NISSAN           | 27277-1HDKE | NISSAN | ALMERA 1.2 | HR12DE |    | 2011 | 2019 |
|                                                                                                                                                                   | NISSAN           | 27277-1HE0E | NISSAN | ALMERA 1.5 | HR15DE |    | 2011 | 2019 |
|                                                                                                                                                                   | NISSAN           | 27278-1KK0A | NISSAN | MARCH 1.2  | HR12DE |    | 2010 |      |
|                                                                                                                                                                   | FRAM             | CF11243     | NISSAN | MARCH 1.5  | HR15DE |    | 2013 |      |
|                                                                                                                                                                   | KNECHT/MAHLE     | LA 635      | NISSAN | MICRA 1.2  | HR12DE |    | 2010 | 2015 |
|                                                                                                                                                                   | LUBER-FINER      | CAF1961P    | NISSAN | MICRA 1.5  | HR15DE |    | 2010 |      |
|                                                                                                                                                                   | MANN             | CU 23 011   | NISSAN | NOTE 1.2   | HR12DE |    | 2013 | 2016 |
|                                                                                                                                                                   | SAKURA           | CA-18250    | NISSAN | NOTE 1.5   | K9K    |    | 2013 | 2016 |
|                                                                                                                                                                   |                  |             | NISSAN | SUNNY 1.5  | HR15DE |    | 2011 | 2015 |
|                                                                                                                                                                   |                  |             | NISSAN | VERSA 1.5  | HR15DE |    | 2011 | 2015 |

| MC-2200                                                                                                                                                           | CROSS REFERENCES |                  | BRAND   | MODEL               | ENGINE                  | KW  |      |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|---------|---------------------|-------------------------|-----|------|------|
|  <p> <b>H</b> = 17 mm<br/> <b>L</b> = 225 mm<br/> <b>W</b> = 202 mm         </p> | HYUNDAI          | 97133-2E200      | HYUNDAI | ACCENT 1.4          | G4LC                    |     | 2014 | 2020 |
|                                                                                                                                                                   | HYUNDAI          | 97133-2E900      | HYUNDAI | ACCENT 1.6          | G4FC                    |     | 2014 | 2017 |
|                                                                                                                                                                   | JAC              | 8126100U1910F011 | HYUNDAI | HB20 1.6 16V FLEX   |                         | 96  | 2019 |      |
|                                                                                                                                                                   | JAC              | 8126100U851022   | HYUNDAI | TUCSON 2.0          | G4GC                    | 104 | 2004 | 2009 |
|                                                                                                                                                                   | FRAM             | CF10210          | HYUNDAI | VELOSTER 1.6 16V    |                         | 97  | 2011 |      |
|                                                                                                                                                                   | KNECHT/MAHLE     | LA 864           | JAC     | REFINE S3 1.5       | HFC4GB2-3D              | 83  | 2014 | 2018 |
|                                                                                                                                                                   | MANN             | CU2336           | KIA     | RIO 1.2             | G4LA                    |     | 2015 | 2017 |
|                                                                                                                                                                   | WEGA             | AKX-1984         | KIA     | RIO 1.4             | G4FA                    |     | 2015 | 2017 |
|                                                                                                                                                                   | WIX              | 24684            | KIA     | SPORTAGE 2.0 ACTIVE | G4GC 2.0L 16V DOHC CVVT | 104 | 2005 | 2016 |
|                                                                                                                                                                   |                  |                  | KIA     | SPORTAGE R          | 2.0L 16V DOHC D-CVVT    | 166 | 2010 | 2012 |

| MC-30025                                                                                                                                                            | CROSS REFERENCES |             | BRAND  | MODEL          | ENGINE                          | KW |      |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|--------|----------------|---------------------------------|----|------|------|
|  <p> <b>H</b> = 29 mm<br/> <b>L</b> = 215 mm<br/> <b>W</b> = 195 mm         </p> | DAIHATSU         | 871390D010  | TOYOTA | AVENSIS 2.0    | 3ZR-FAE                         |    | 2008 | 2018 |
|                                                                                                                                                                     | SUBARU           | 72880AJ000  | TOYOTA | COROLLA 1.3    | 1NR-FE                          |    | 2013 | 2019 |
|                                                                                                                                                                     | TOYOTA           | 87139-07010 | TOYOTA | COROLLA 1.8    | 2ZR-FE                          |    | 2013 |      |
|                                                                                                                                                                     | TOYOTA           | 87139-30040 | TOYOTA | FORTUNER 2.7   | 4L 2.7LTS VVT-I DOHC 16V 2TR-FE |    | 2007 | 2015 |
|                                                                                                                                                                     | FRAM             | CF10322     | TOYOTA | FORTUNER 3.0   | 5L-E                            |    | 2005 | 2013 |
|                                                                                                                                                                     | MANN             | CU 1919     | TOYOTA | HIACE 2.5      | 4 CIL 2.5L 2KDFTV               |    | 2004 | 2004 |
|                                                                                                                                                                     | SAKURA           | CA-2501     | TOYOTA | HILUX 2.5      | 2KD-FTV                         |    | 2005 | 2015 |
|                                                                                                                                                                     | WEGA             | AKX-2161    | TOYOTA | HILUX 2.5 D4-D | 2KD-FTV                         |    | 2005 | 2011 |
|                                                                                                                                                                     | WIX              | 24488       | TOYOTA | HILUX 3.0      | 1KD-FTV                         |    | 2004 | 2015 |
|                                                                                                                                                                     |                  |             | TOYOTA | YARIS 1.3      | 2SZ-FE                          |    | 2009 |      |

| MC-35928                                                                                                                                                            | CROSS REFERENCES |               | BRAND     | MODEL         | ENGINE     | KW  |      |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-----------|---------------|------------|-----|------|--|
|  <p> <b>H</b> = 30 mm<br/> <b>L</b> = 222 mm<br/> <b>W</b> = 199 mm         </p> | HONDA            | 80290-ST3-E01 | CHEVROLET | D-MAX 2.4     | 2.4 VORTEC | 112 | 2012 |  |
|                                                                                                                                                                     | HONDA            | 80291-ST3-505 | CHEVROLET | D-MAX 3.0 D   | 4JJ1-TC    | 98  | 2012 |  |
|                                                                                                                                                                     | HONDA            | 80291-ST3-515 | ISUZU     | D-MAX 3.0 D   | 4JJ1-TCX   | 132 | 2012 |  |
|                                                                                                                                                                     | CHAMP            | CAF1726       | ISUZU     | D-MAX 3.0 TDI | 4JJ1-TCX   | 132 | 2012 |  |
|                                                                                                                                                                     | FRAM             | CF8249        | LEXUS     | 200T          | 8AR-FTS    | 180 | 2015 |  |
|                                                                                                                                                                     | FRAM             | CF9338        | LEXUS     | 200T          | 8AR-FTS    | 180 | 2015 |  |
|                                                                                                                                                                     | LUBER-FINER      | CAF1726       | LEXUS     | 200T          | 8AR-FTS    | 180 | 2015 |  |
|                                                                                                                                                                     | MANN             | CU2351        | LEXUS     | 300H          | 2AR-FSE    | 131 | 2013 |  |
|                                                                                                                                                                     | SAKURA           | CA-1602       | LEXUS     | 300H          | 2AR-FSE    | 131 | 2015 |  |
|                                                                                                                                                                     |                  |               | LEXUS     | 300H          | 2AR-FSE    | 164 | 2014 |  |

## MC-90129



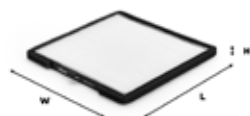
**H** = 35 mm

**L** = 238 mm

**W** = 169 mm

| CROSS REFERENCES |             | BRAND  | MODEL         | ENGINE | KW |      |      |
|------------------|-------------|--------|---------------|--------|----|------|------|
| NISSAN           | 27274-ED000 | NISSAN | TIIDA 1.5 DCI | K9K    | 78 | 2007 | 2013 |
| NISSAN           | 27891-EL00A | NISSAN | TIIDA 1.6     | HR16DE | 78 | 2012 | 2016 |
| NISSAN           | 27891-EL00B | NISSAN | TIIDA 1.6 16V | HR16DE | 81 | 2008 | 2013 |
| FRAM             | CFI0545     | NISSAN | TIIDA 1.8     | MR18DE | 78 | 2007 | 2011 |
| KNECHT/<br>MAHLE | LA 480      | NISSAN | TIIDA 1.8 16V |        | 93 | 2008 | 2012 |
| LUBER-FINER      | CAF1852P    | NISSAN | TIIDA 1.8 16V | MR18DE | 90 | 2007 | 2009 |
| MANN             | CU 22 007   |        |               |        |    |      |      |
| WIX              | 24829       |        |               |        |    |      |      |

## MC-94242



**H** = 12 mm

**L** = 186 mm

**W** = 185 mm

| CROSS REFERENCES |              | BRAND     | MODEL         | ENGINE             | KW |      |      |
|------------------|--------------|-----------|---------------|--------------------|----|------|------|
| HYUNDAI          | 97133-07000  | CHEVROLET | SPARK 1.0     | I4                 | 46 | 2006 | 2016 |
| HYUNDAI          | 97133-07010  | HYUNDAI   | EON 0.8 9V    | G3HG               |    | 2013 |      |
| HYUNDAI          | 9713307010AT | HYUNDAI   | EON 0.8 9V    | G3HG               |    | 2013 |      |
| KIA              | 97133-07000  | HYUNDAI   | GRAND I10 1.0 | G3LA               |    | 2013 |      |
| KIA              | 97133-07010  | HYUNDAI   | GRAND I10 1.0 | G3LA               |    | 2013 |      |
| FRAM             | CFI0627      | HYUNDAI   | GRAND I10 1.2 | G4LA               |    | 2013 |      |
| HENGST           | E1976LI      | HYUNDAI   | I10 1.1       |                    |    | 2008 |      |
| MAHLE            | LA471        | HYUNDAI   | I10 1.1       | G4HG 1.1L 12V SOHC |    | 2009 | 2015 |
| MANN             | CU1910       | HYUNDAI   | I30 2.0       | 4L 2.0LTS G4GC     |    | 2008 | 2010 |
| SAKURA           | CA2808       | KIA       | PICANTO 1.0   | G3LA               |    | 2011 |      |







## FILTROS DE AIRE

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Air is the most important fluid for the vehicle performance. The efficient working of the rest of the fluids (fuel and oil) depends on the quality of air absorbed by the engine. Millard's technology increases the filtration area, reduces humidity and it is high pressure resistant. Millard's air filters represent the perfect balance between nature and technology.

El aire es el fluido más importante ya que es el responsable por el desempeño de los demás fluidos, de él depende el buen funcionamiento de los motores a combustión. La tecnología de plisado Millard® permite un aumento considerable del área filtrante, la cual es resistente a la humedad y a altas presiones. Los filtros del aire Millard® representan el equilibrio perfecto entre naturaleza y tecnología.

O ar é o fluido mais importante já que é o responsável pelo desempenho dos demais fluidos, dele depende o bom funcionamento dos motores a combustão. A tecnologia de plissado Millard® permite um aumento considerável da área filtrante, a qual é resistente à humidade e a altas pressões. Os filtros do ar Millard® representam o equilíbrio perfeito entre a natureza e a tecnologia.

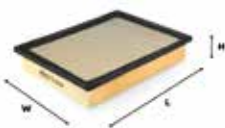
## MK-0C010



H = 174 mm  
OD = 222 mm  
IDI = 120 mm

| CROSS REFERENCES |             | BRAND  | MODEL        | ENGINE                          | KW  |      |      |
|------------------|-------------|--------|--------------|---------------------------------|-----|------|------|
| TOYOTA           | 17801-0C010 | MAZDA  | BT-50 2.5 D  | WLC                             | 105 | 2007 | 2014 |
| TOYOTA           | 17801-0C020 | TOYOTA | FORTUNER 2.5 | 2KD-FTV                         |     | 2009 | 2012 |
| BALDWIN          | RS10035     | TOYOTA | FORTUNER 2.7 | 4L 2.7LTS VVT-I DOHC 16V 2TR-FE | 112 | 2006 | 2014 |
| FRAM             | CA9916      | TOYOTA | FORTUNER 3.0 | 1KD-FTV                         |     | 2006 | 2012 |
| MANN             | C 23 107    | TOYOTA | HILUX 2.5    | 2KD-FTV                         |     | 2005 | 2015 |
| SAKURA           | A-5903      | TOYOTA | HILUX 2.5 D  | 1KD-FTV                         |     | 2007 |      |
| SURE FILTER      | SFA C010    | TOYOTA | HILUX 2.7    | 2TR-FE                          | 118 | 2006 | 2015 |
| TECFIL           | ARS7065     | TOYOTA | HILUX 2.7    | 4L 2.7LTS VVT-I DOHC 16V 2TR-FE | 119 | 2006 | 2013 |
| WEGA             | JFA-292/2   | TOYOTA | HILUX 3.0    | 1KD-FTV                         |     | 2004 | 2015 |
| WIX              | 47057       | TOYOTA | HILUX 3.0    | 5L-E                            |     | 2004 | 2015 |

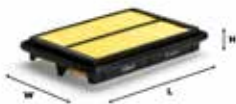
## MK-12587



H = 58 mm  
L = 322 mm  
W = 238 mm

| CROSS REFERENCES |             | BRAND  | MODEL          | ENGINE      | KW  |      |  |
|------------------|-------------|--------|----------------|-------------|-----|------|--|
| TOYOTA           | 17801-0L040 | TOYOTA | FORTUNER 2.8   | 1GD-FTV     | 132 | 2015 |  |
| TOYOTA           | 17801-0L050 | TOYOTA | HILUX 2.4 D    | 2GD-FTV     | 110 | 2015 |  |
| TOYOTA           | 178010P060  | TOYOTA | HILUX 2.4 D4-D | 1KD-FTV VNT |     | 2015 |  |
| FRAM             | CA12055     | TOYOTA | HILUX 2.8      | 1GD-FTV     | 132 | 2015 |  |
| MANN             | C 33 017    | TOYOTA | HILUX 2.8 D    | 1GD-FTV     | 132 | 2015 |  |
| SAKURA           | A-33740     | TOYOTA | HILUX 3.0 D4-D | 1KD-FTV VNT | 122 | 2015 |  |
| SURE FILTER      | SFA L040    |        |                |             |     |      |  |
| TECFIL           | ARL2206     |        |                |             |     |      |  |
| VIC              | A-1032      |        |                |             |     |      |  |
| WEGA             | JFA-0282    |        |                |             |     |      |  |

## MK-16553



H = 44 mm  
L = 262 mm  
W = 188 mm

| CROSS REFERENCES |             | BRAND  | MODEL        | ENGINE   | KW  |      |      |
|------------------|-------------|--------|--------------|----------|-----|------|------|
| NISSAN           | 16546-EB70A | NISSAN | NAVARA 2.5   | YD25DDTI |     | 2009 | 2012 |
| NISSAN           | 16546JR50A  | NISSAN | NAVARA 2.5   | YD25DDTI | 128 | 2009 | 2012 |
| SAKURA           | A1880       | NISSAN | NAVARA 2.5 D | YD25DDTI | 98  | 2005 | 2009 |
| SURE FILTER      | SFAEB70     |        |              |          |     |      |      |
| VIC              | A2016       |        |              |          |     |      |      |
| WEGA             | JFA-0118    |        |              |          |     |      |      |

## MK-21050



H = 53 mm  
L = 241 mm  
W = 177 mm

| CROSS REFERENCES |             | BRAND  | MODEL           | ENGINE  | KW |      |      |
|------------------|-------------|--------|-----------------|---------|----|------|------|
| TOYOTA           | 17801-0D060 | TOYOTA | AURIS 1.6       | 1ZR-FAE |    | 2012 |      |
| TOYOTA           | 17801-21050 | TOYOTA | AURIS 1.8       | 2ZR-FE  |    | 2006 | 2012 |
| FRAM             | CA10190     | TOYOTA | AVENSIS 2.0     | 3ZR-FAE |    | 2008 | 2018 |
| LUBER-FINER      | AF4015      | TOYOTA | COROLLA 1.3     | 1NR-FE  |    | 2013 | 2019 |
| MANN             | C24005      | TOYOTA | COROLLA 1.5     | 1NZ-FE  |    | 2007 | 2013 |
| SAKURA           | A-3301      | TOYOTA | COROLLA 1.8     | 1ZZ-FE  |    | 2008 | 2014 |
| SURE FILTER      | SFA5655     | TOYOTA | COROLLA 1.8     | 2ZR-FE  |    | 2013 |      |
| WEGA             | JFA-0285    | TOYOTA | VITZ 1.3 VVT-I  | 2NZ-FE  | 62 | 1999 | 2005 |
| WIX              | 49104       | TOYOTA | YARIS 1.3 NITRO | 2NZ-FE  | 64 | 2006 | 2012 |
|                  |             | TOYOTA | YARIS 1.5       | 1NZ-FE  |    | 2005 | 2013 |

## MK-25252



**H** = 50 mm

**L** = 268 mm

**W** = 189 mm

| CROSS REFERENCES |             | BRAND   | MODEL                  | ENGINE      | KW |      |      |
|------------------|-------------|---------|------------------------|-------------|----|------|------|
| HYUNDAI          | 28113-4H000 | HYUNDAI | H1 GRAND STAREX 2.5TCI |             |    | 2008 |      |
| MAHLE            | LX2994      | HYUNDAI | H1 STAREX 2.5          | D4CB        |    | 2009 |      |
| SAKURA           | A28550      | HYUNDAI | H1 STAREX 2.5          | D4CB-W      |    | 2008 |      |
| SURE FILTER      | SFA4H00     | HYUNDAI | H1 TQ 2.5              | 2.5 SOHC 8V | 98 | 2007 | 2012 |
| VIC              | A022        | HYUNDAI | H-1 TQ 2.5             | 2.5 SOHC 8V | 98 | 2008 | 2014 |
| WEGA             | JFA-0579    |         |                        |             |    |      |      |
| WEGA             | JFA-0579    |         |                        |             |    |      |      |

## MK-253



**H** = 290 mm

**OD** = 162 mm

**ID1** = 72 mm

**ID2** = 18 mm

| CROSS REFERENCES |             | BRAND   | MODEL           | ENGINE          | KW  |      |      |
|------------------|-------------|---------|-----------------|-----------------|-----|------|------|
| FIAT             | 9957615     | HYUNDAI | GALLOPER 2.5 TD | D4BH            | 59  | 1991 | 2002 |
| HYUNDAI          | 28113-44000 | HYUNDAI | GRACE           | 4 CIL 2.5L D4BA |     | 1995 | 2000 |
| HYUNDAI          | 28130-44000 | HYUNDAI | GRACE           | 4 CIL 2.5L D4BF |     | 1995 | 2000 |
| MAHLE            | MD603346    | HYUNDAI | H-100 2.5 TD    | D4BA            | 55  | 1993 | 2000 |
| FRAM             | CAK253      | HYUNDAI | H-100 VAN       | 2.5L            |     | 2002 |      |
| MANN             | C 14 140    | MAHLE   | DELICA 2.5 D    | 4D56            | 51  | 1986 | 1999 |
| SAKURA           | A1014       | MAHLE   | L300 2.5 D      | 4D56            | 51  | 1986 | 1999 |
| SURE FILTER      | SFA4400     | MAHLE   | CARAVAN 3.0 DI  | ZD30DDTI        | 113 | 2002 | 2007 |
| WEGA             | JFA-0514    | MAHLE   | HOMY 2.7 D      | TD27            | 58  | 1987 | 1999 |
| WIX              | 42222       | MAHLE   | URVAN 2.5 D     | TD25            |     | 2001 | 2009 |

## MK-29766



**H** = 54 mm

**L** = 256 mm

**W** = 164 mm

| CROSS REFERENCES |              | BRAND   | MODEL             | ENGINE               | KW  |      |      |
|------------------|--------------|---------|-------------------|----------------------|-----|------|------|
| HYUNDAI          | 2811325000   | HYUNDAI | I40 1.7           | D4FD                 |     | 2011 | 2015 |
| HYUNDAI          | 28113-2S000  | HYUNDAI | IX 35 1.7         |                      |     | 2010 |      |
| HYUNDAI          | 281133Z100   | HYUNDAI | TUCSON 2.0        | D4EA                 |     | 2009 |      |
| JAC              | 1109130U1510 | HYUNDAI | TUCSON 2.0        | G4KC                 | 119 | 2010 |      |
| FRAM             | CA10889      | HYUNDAI | TUCSON 2.0        | G4KD                 |     | 2010 |      |
| MANN             | C26008       | HYUNDAI | TUCSON IX         | 2.0L 16V DOHC DCVVT  | 164 | 2010 | 2015 |
| SAKURA           | A28590       | KIA     | CARENS 1.7        | D4FD                 |     | 2012 | 2016 |
| SURE FILTER      | SFA26118     | KIA     | SPORTAGE 2.0      |                      |     | 2010 |      |
| VIC              | A024         | KIA     | SPORTAGE 2.0 CRDI |                      |     | 2010 |      |
| WEGA             | JFA-0H21     | KIA     | SPORTAGE R        | 2.0L 16V DOHC D-CVVT | 166 | 2010 | 2015 |

## MK-35681



**H** = 34 mm

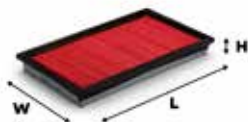
**L** = 231 mm

**W** = 135 mm

| CROSS REFERENCES |             | BRAND  | MODEL     | ENGINE | KW |      |      |
|------------------|-------------|--------|-----------|--------|----|------|------|
| NISSAN           | 16546-ED000 | NISSAN | AD 1.5    | HR15DE |    | 2006 |      |
| NISSAN           | 16546-ED500 | NISSAN | AD 1.6    | HR16DE |    | 2008 |      |
| NISSAN           | 1N08-13-Z40 | NISSAN | AD 1.8    | MR18DE |    | 2006 |      |
| FRAM             | CA10234     | NISSAN | MARCH 1.5 | HR15DE |    | 2013 |      |
| MANN             | C 2420      | NISSAN | TIIDA 1.5 | HR15DE |    | 2004 | 2012 |
| MANN             | C2420       | NISSAN | TIIDA 1.6 | HR16DE |    | 2007 |      |
| SAKURA           | A1878       | NISSAN | TIIDA 1.6 | MR16DE |    | 2004 |      |
| SURE FILTER      | SFA5669     | NISSAN | TIIDA 1.8 | HR18DE |    | 2007 |      |
| WEGA             | JFA-0134    | NISSAN | TIIDA 1.8 | MR18DE |    | 2007 |      |
| WIX              | 49225       | NISSAN | VERSA 1.8 | MR18DE |    | 2008 |      |



## MK-4309



H = 35 mm

L = 281 mm

W = 168 mm

| CROSS REFERENCES |               | BRAND  | MODEL                   | ENGINE                    | KW |      |      |
|------------------|---------------|--------|-------------------------|---------------------------|----|------|------|
| ISUZU            | 8-94132-678-0 | NISSAN | AD 1.8                  | QG18DE                    |    | 2005 | 2006 |
| MAZDA            | 1N00-13-Z40   | NISSAN | ALMERA 1.5              | QG15DE                    |    | 2000 | 2006 |
| NISSAN           | 16546-V0100   | NISSAN | ALTIMA 3.5 (24V) DOHC   | VQ35DE                    |    | 2002 | 2006 |
| SUBARU           | 16546-AA020   | NISSAN | FRONTIER 3.3 (12V) SOHC | VG33ER                    |    | 1999 | 2004 |
| BALDWIN          | PA2135        | NISSAN | MURANO 3.5              | VQ35DE                    |    | 2005 | 2009 |
| FLEETGUARD       | AF4615        | NISSAN | PRIMERA 2.0             | 4 CIL 2.0L QR20DE         |    | 2002 | 2006 |
| FRAM             | CA4309        | NISSAN | SENTRA 1.8 (16V) DOHC   | QG18DE                    |    | 2000 | 2006 |
| SURE FILTER      | SFA4278       | NISSAN | X-TRAIL 2.0             | 4 CIL 2.0L SR20DET        |    | 2001 | 2006 |
| WEGA             | JFA-0108      | SUBARU | FORESTER 2.5            | 4 CIL 2.5L FUEL INJ       |    | 2004 | 2009 |
| WIX              | 46116         | SUBARU | IMPREZA 2.5             | 4 CIL 2.5L FUEL INJ TURBO |    | 2004 | 2008 |

## MK-50034



H = 57 mm

L = 259 mm

W = 232 mm

| CROSS REFERENCES |              | BRAND     | MODEL         | ENGINE                | KW |      |      |
|------------------|--------------|-----------|---------------|-----------------------|----|------|------|
| ISUZU            | 6-98140266-0 | CHEVROLET | D-MAX 3.0 D   | 4JJ1-TC               |    | 2012 |      |
| ISUZU            | 8-98140266-0 | ISUZU     | D-MAX 1.9     | RZ4E-TC               |    | 2012 |      |
| SAKURA           | A15250       | ISUZU     | D-MAX 2.5     | 4JK-1E5               |    | 2012 |      |
| SAKURA           | A-15251      | ISUZU     | D-MAX 2.5     | 4JK1-TCS              |    | 2013 | 2013 |
|                  |              | ISUZU     | D-MAX 3.0     | 4JJ1-T                |    | 2016 | 2016 |
|                  |              | ISUZU     | D-MAX 3.0     | 4JJ1-T                |    | 2016 | 2016 |
|                  |              | ISUZU     | D-MAX 3.0 TDI | 4JJ1-TCX              |    | 2012 |      |
|                  |              | ISUZU     | MU-X 3.0 TDI  | 4JJ1-TCX              |    | 2013 |      |
|                  |              | ISUZU     | MU-X 3.0L CRD | 4JJ1-TC 4CYL DOHC 16V |    | 2013 |      |
|                  |              | ISUZU     | WIZARD 3.0    | 4JJ1-TC               |    | 2007 |      |

## MK-51943



H = 72 mm

L = 240 mm

W = 241 mm

| CROSS REFERENCES |             | BRAND     | MODEL                      | ENGINE                             | KW  |      |      |
|------------------|-------------|-----------|----------------------------|------------------------------------|-----|------|------|
| GM               | 97251943    | CHEVROLET | LUV D-MAX 3.5              | 3.5 LTS                            | 147 | 2006 | 2014 |
| ISUZU            | 8-97251-943 | NISSAN    | L200 2.5 DI-D              | 4D56                               | 100 | 2006 | 2015 |
| ISUZU            | 8-97251-944 | NISSAN    | L200 3.2 16V               | 4M41 DI-D                          | 121 | 2009 |      |
| NISSAN           | 1500A098    | NISSAN    | L200 TRITON 2.5 TDI DI-D   | 4D56 HP                            | 100 | 2005 |      |
| MANN             | C24011      | NISSAN    | L200 TRITON 3.2            | 4M41                               |     | 2006 |      |
| SAKURA           | A-1517      | NISSAN    | L200 TRITON 3.5 V6         | 6G74                               | 135 | 2006 |      |
| SURE FILTER      | SFA2930     | NISSAN    | MONTERO SPORT 2.5 TDI DI-D | 4D56 HP                            | 100 | 2008 |      |
| VIC              | A3026       | NISSAN    | MONTERO SPORT 3.0          | V6 3.0LTS SOHC 24 VALVE 6B31 MIVEC | 164 | 2014 | 2014 |
| WEGA             | JFA-0500    | NISSAN    | NATIVA 2.5                 | 4D56                               |     | 2008 |      |
| WIX              | 47095       |           |                            |                                    |     |      |      |

## MK-52391



H = 279 mm

OD = 134 mm

ID1 = 76 mm

ID2 = 14 mm

| CROSS REFERENCES |             | BRAND  | MODEL                | ENGINE            | KW |      |      |
|------------------|-------------|--------|----------------------|-------------------|----|------|------|
| NISSAN           | AY120-TY023 | NISSAN | URVAN 2.5 D          | TD25              |    | 2001 | 2009 |
| TOYOTA           | 17801-54100 | NISSAN | URVAN 3.0 D          | 3.0L              | 66 | 2001 | 2009 |
| TOYOTA           | 17801-75010 | TOYOTA | HIACE 2.4            | 4 CIL 2.4L 2L     |    | 1990 | 1993 |
| FRAM             | CA5345      | TOYOTA | HIACE 2.5            | 4 CIL 2.5L 2KDFTV |    | 2004 | 2004 |
| LUBER-FINER      | LAF5590     | TOYOTA | HIACE 2.7            | 2TR-FE            |    | 2005 |      |
| MANN             | C 14 177    | TOYOTA | HIACE 2.8 D          | 3L                | 58 | 1989 | 1999 |
| SAKURA           | A-1128      | TOYOTA | HIACE 3.0            | 5L-E              |    | 2013 |      |
| SURE FILTER      | SFA 1541    | TOYOTA | HIACE 3.0 D          | 5L                | 65 | 1998 | 2004 |
| WEGA             | JFA-0245    | TOYOTA | HIACE COMMUTER 3.0 D | 5L                | 65 | 1998 | 2004 |
| WIX              | WA6134      | TOYOTA | LITEACE 1.8 D        | 1C                | 41 | 1982 | 1985 |

## MK-53854



**H** = 291 mm

**OD** = 234 mm

**ID** = 134 mm

| CROSS REFERENCES |              | BRAND  | MODEL       | ENGINE   | KW |      |      |
|------------------|--------------|--------|-------------|----------|----|------|------|
| GM               | 95627132     | ISUZU  | ELF 4.6     | 4HVI     |    | 2010 |      |
| GM               | 97062294     | ISUZU  | ELF 5.2     | 4HK1-T   |    | 1999 | 2004 |
| ISUZU            | 5-86750147-0 | ISUZU  | ELF NPR     | 4JJ1-TCS |    |      |      |
| ISUZU            | 8-97062294-0 | ISUZU  | ELF300      | 4JJ1-T   |    |      |      |
| JAC              | 1109170LE010 | ISUZU  | ELF350      | 4HE1-T   |    | 1993 | 1995 |
| NISSAN           | 16546-89TA2  | ISUZU  | FORWARD 4.8 | 4HE1-T   |    | 1995 | 1999 |
| BALDWIN          | RS5434       | ISUZU  | FORWARD 5.0 | 4HJ1     |    | 1997 | 1999 |
| DONALDSON        | P543614      | ISUZU  | FORWARD 5.2 | 4HK1-T   |    | 1999 |      |
| FRAM             | CA9856       | MAZDA  | TITAN 4.6   | 4HVI     |    | 2007 | 2011 |
| LUBER-FINER      | LAF5633      | NISSAN | ATLAS 4.8   | 4HL1-T   |    | 2004 | 2007 |

## MK-59348



**H** = 138 mm

**OD** = 221 mm

**ID** = 136 mm

| CROSS REFERENCES |              | BRAND | MODEL           | ENGINE    | KW  |      |      |
|------------------|--------------|-------|-----------------|-----------|-----|------|------|
| FORD             | 1921 356     | FORD  | RANGER 2.2 TDCI | DURATORQ  | 88  | 2012 |      |
| FORD             | AB39-9601-AB | FORD  | RANGER 2.2 TDCI | DURATORQ  | 88  | 2012 | 2016 |
| FORD             | AV799601AA   | FORD  | RANGER 3.2      | TDCI SAFA |     | 2011 |      |
| MAZDA            | U201-13-Z40  | FORD  | RANGER 3.2 TDCI | DURATORQ  | 147 | 2012 |      |
| MAZDA            | U2Y0-13-Z40  | FORD  | RANGER 3.2 TDCI | DURATORQ  | 147 | 2012 | 2016 |
| FRAM             | CA11674      | MAZDA | BT-50 2.2 TDCI  | DURATORQ  | 88  | 2012 |      |
| MANN             | C 22 024     | MAZDA | BT-50 2.2 TDCI  | DURATORQ  | 88  | 2012 | 2016 |
| SAKURA           | A-17860      | MAZDA | BT-50 3.2 TDCI  | DURATORQ  | 147 | 2012 |      |
| TECFIL           | ARS7994      | MAZDA | BT-50 3.2 TDCI  | DURATORQ  | 147 | 2012 | 2016 |
| WEGA             | WR191        | MAZDA | BT-50 II 2.5    | TDCI WLAA |     | 2016 |      |

## MK-59469



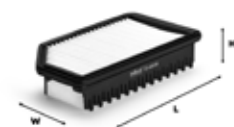
**H** = 33 mm

**L** = 354 mm

**W** = 108 mm

| CROSS REFERENCES |             | BRAND   | MODEL          | ENGINE | KW |      |      |
|------------------|-------------|---------|----------------|--------|----|------|------|
| HYUNDAI          | 28113-B4000 | HYUNDAI | GRAND I10 1.2  | G4LA   | 64 | 2015 |      |
| HYUNDAI          | 28113-B9000 | HYUNDAI | GRAND I10 1.2  | G4LA   | 64 | 2015 |      |
| FRAM             | CA11814     | HYUNDAI | I10 II 1.0     | G3LA   | 49 | 2013 |      |
| KNECHT/MAHLE     | LX 4053     | HYUNDAI | I10 II 1.0 LPG | B3LA   | 49 | 2014 |      |
| MANN             | C 36 020    | HYUNDAI | I10 II 1.0 LPG | B3LA   | 51 | 2014 | 2016 |
| SAKURA           | A-28790     | HYUNDAI | I10 II 1.2     | G4LA   | 64 | 2013 |      |
| WEGA             | JFA-OH38    |         |                |        |    |      |      |

## MK-68338



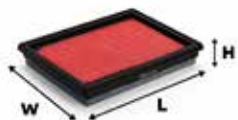
**H** = 54 mm

**L** = 258 mm

**W** = 146 mm

| CROSS REFERENCES |             | BRAND   | MODEL          | ENGINE   | KW  |      |      |
|------------------|-------------|---------|----------------|----------|-----|------|------|
| HYUNDAI          | 28113-1R100 | HYUNDAI | ACCENT 1.4     | G4FA     |     | 2011 |      |
| HYUNDAI          | 28113-1V100 | HYUNDAI | ACCENT 1.4     | G4LC     |     | 2014 | 2020 |
| KIA              | 28113B2000  | HYUNDAI | ACCENT 1.6     | D4FB     |     | 2011 | 2014 |
| FRAM             | CA11206     | HYUNDAI | ACCENT 1.6     | G4FC     |     | 2014 | 2017 |
| KNECHT/MAHLE     | LX 3300     | HYUNDAI | ACCENT RB 1.6  | 1.6 L    | 122 | 2011 | 2015 |
| MANN             | C 25 016    | HYUNDAI | I20 1.4 ACTIVE |          |     | 2015 |      |
| SAKURA           | A28640      | HYUNDAI | VELOSTER       | 1.6L G4F |     | 2011 |      |
| SURE FILTER      | SFA6200     | KIA     | RIO 1.4        | D4FC     |     | 2014 |      |
| WEGA             | JFA-OH27    | KIA     | RIO 1.4        | G4FA     |     | 2011 |      |
| WIX              | 49022       | KIA     | SOUL 1.6       | G4FC     | 93  | 2009 |      |

## MK-6900



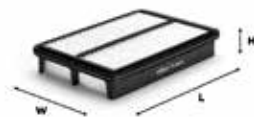
H = 35 mm

L = 228 mm

W = 168 mm

| CROSS REFERENCES |               | BRAND   | MODEL              | ENGINE            | KW  |      |      |
|------------------|---------------|---------|--------------------|-------------------|-----|------|------|
| HONDA            | 17220-P2A-005 | NISSAN  | MARCH 1.2          | HR12DE            |     | 2010 |      |
| NISSAN           | 16546-17B00   | NISSAN  | PULSAR 1.5         | QG15DE            | 66  | 1995 | 2000 |
| NISSAN           | 16546-73C00   | NISSAN  | SENTRA B13         | GA16DE            |     | 2000 | 2010 |
| NISSAN           | 16546-AA030   | NISSAN  | SENTRA 1.6 B13     | GA16DE            | 66  | 1991 | 1994 |
| FRAM             | CA6900        | NISSAN  | SENTRA B14 1.8     | 4L 1.8LTS         | 93  | 1996 | 1999 |
| MANN             | C 2329        | NISSAN  | SENTRA B14 CLASICO | GA16DE            | 66  | 2000 | 2012 |
| SAKURA           | A-1833        | NISSAN  | SENTRA B17         | MRA8DE            |     | 2013 |      |
| SURE FILTER      | SFA4675       | NISSAN  | SUNNY 1.5 B14      | GA15DE            | 77  | 1994 | 1998 |
| WEGA             | JFA-0710      | NISSAN  | X-TRAIL 2.5        | DOHC QR25DE       | 126 | 2008 | 2010 |
| WIX              | 46044         | RENAULT | KOLEOS 2.5         | QR25 2.5 16V DOCH | 170 | 2011 | 2012 |

## MK-8000



H = 44 mm

L = 252 mm

W = 173 mm

| CROSS REFERENCES |             | BRAND   | MODEL               | ENGINE | KW  |      |      |
|------------------|-------------|---------|---------------------|--------|-----|------|------|
| HYUNDAI          | 28113-08000 | HYUNDAI | TUCSON (JM) 2.0     | G4GC   |     | 2004 |      |
| KIA              | 28113-08000 | HYUNDAI | TUCSON (JM) 2.7     | G6BA-G |     | 2004 |      |
| FRAM             | CA10086     | HYUNDAI | TUCSON 2.0          | G4GC   | 104 | 2005 | 2009 |
| MAHLE            | LX1785      | HYUNDAI | TUCSON 2.0 CRDI     | D4EA   |     | 2007 | 2009 |
| MANN             | C2631       | HYUNDAI | TUCSON 2.0 CRDI     | D4EA   | 83  | 2004 | 2009 |
|                  |             | HYUNDAI | TUCSON 2.0I         | G4GC   |     |      |      |
|                  |             | KIA     | SPORTAGE 2.0 ACTIVE | G4GC   |     | 2005 | 2009 |
|                  |             | KIA     | SPORTAGE 2.0 CRDI   | D4EA   | 83  | 2005 | 2008 |
|                  |             | KIA     | SPORTAGE 2.0 CRDI   | D4EA   | 83  | 2005 | 2008 |
|                  |             | KIA     | SPORTAGE 2.7        | G6BA   | 129 | 2005 | 2007 |

## MK-82465



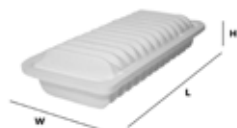
H = 37 mm

L = 253 mm

W = 122 mm

| CROSS REFERENCES |             | BRAND  | MODEL           | ENGINE | KW |      |      |
|------------------|-------------|--------|-----------------|--------|----|------|------|
| MITSUBISHI       | 1500A399    | TOYOTA | ETIOS 1.5       | 2NR-FE | 76 | 2016 |      |
| MITSUBISHI       | 1500A617    | TOYOTA | YARIS 1.3 VVT-I | 2NZ-FE | 62 | 1999 | 2008 |
| TOYOTA           | 17801-0N050 | TOYOTA | YARIS 1.5 VVT-I | 1NZ-FE | 80 | 2015 | 2016 |
| TOYOTA           | 17801-0Y050 |        |                 |        |    |      |      |
| LUBER-FINER      | AF5232      |        |                 |        |    |      |      |
| MANN             | C 26027     |        |                 |        |    |      |      |
| MANN             | C 26135     |        |                 |        |    |      |      |
| SAKURA           | A-58370     |        |                 |        |    |      |      |
| SURE FILTER      | SFA 0399    |        |                 |        |    |      |      |
| WIX              | WA10125     |        |                 |        |    |      |      |

## MK-9115



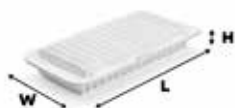
H = 50 mm

L = 251 mm

W = 120 mm

| CROSS REFERENCES |             | BRAND      | MODEL              | ENGINE           | KW |      |      |
|------------------|-------------|------------|--------------------|------------------|----|------|------|
| TOYOTA           | 17801-21030 | GREAT WALL | HAVAL M2 1.5 VVT   | GW4G15           |    | 2014 |      |
| FRAM             | CA9115      | GREAT WALL | HAVAL M4 1.5 VVT   | GW4G15           |    | 2014 |      |
| LUBER-FINER      | AF7964      | GREAT WALL | M4                 | 1.6L             |    | 2012 |      |
| MANN             | C 2513      | GREAT WALL | VOLEEX C30         | 1.5 VVT          |    | 2011 | 2015 |
| SAKURA           | A1178       | TOYOTA     | FUNCARGO 1.3 VVT-I | 2NZ-FE           | 62 | 1999 | 2004 |
| SURE FILTER      | SFA5363     | TOYOTA     | IST 1.3 VVT-I      | 2NZ-FE           | 62 | 2002 | 2006 |
| VIC              | A197        | TOYOTA     | PLATZ 1.3 VVT-I    | 2NZ-FE           | 62 | 1999 | 2005 |
| WEGA             | JFA-0273    | TOYOTA     | VITZ 1.3 VVT-I     | 2NZ-FE           | 62 | 1999 | 2005 |
| WIX              | 46646       | TOYOTA     | YARIS 1.3 VVT-I    | 2NZ-FE           | 62 | 1999 | 2004 |
|                  |             | TOYOTA     | YARIS 1.5          | 4 CIL 1.5L 1NZFE |    | 1999 | 2008 |

## MK-9482



**H** = 48 mm

**L** = 289 mm

**W** = 150 mm

| CROSS REFERENCES |             | BRAND  | MODEL             | ENGINE            | KW  |      |      |
|------------------|-------------|--------|-------------------|-------------------|-----|------|------|
| TOYOTA           | 17801-0D020 | BYD    | F5 1.5            | BYD473QE          | 80  | 2012 |      |
| TOYOTA           | 17801-22020 | TOYOTA | ALLION 1.5 VVT-I  | 1NZ-FE            | 76  | 2001 | 2007 |
| FRAM             | CA9482      | TOYOTA | AVENSIS 1.8 VVT-I | 1ZZ-FE            | 92  | 2000 | 2008 |
| LUBER-FINER      | AF3595      | TOYOTA | AVENSIS 2.0       | 4 CIL 2.0L 1AZFSE |     | 2003 | 2006 |
| SAKURA           | A1180       | TOYOTA | COROLLA 1.4 VVT-I | 4ZZ-FE            |     | 2002 |      |
| SURE FILTER      | SFA5463     | TOYOTA | COROLLA 1.5 VVT-I | 1NZ-FE            | 76  | 2000 | 2006 |
| VIC              | A1003       | TOYOTA | COROLLA 1.8       | 2ZZ-GE            |     | 2002 | 2007 |
| WEGA             | JFA-0283    | TOYOTA | COROLLA 1.8 VVT-I | 1ZZ-FE            | 92  | 2000 | 2008 |
| WIX              | 46834       | TOYOTA | FIELDER 1.5 VVT-I | 1NZ-FE            | 76  | 2000 |      |
|                  |             | TOYOTA | NOAH 2.0VVT-I     | 1AZ-FSE           | 108 | 2001 | 2007 |

## MK-95021



**H** = 230 mm

**OD** = 141 mm

**ID1** = 72 mm

**ID2** = 61 mm

| CROSS REFERENCES |             | BRAND  | MODEL                 | ENGINE                 | KW  |      |      |
|------------------|-------------|--------|-----------------------|------------------------|-----|------|------|
| NISSAN           | 16546-9S000 | NISSAN | ELGRAND 3.0 DI        | ZD30DDTI               | 113 | 1999 | 2002 |
| NISSAN           | 16546-9S001 | NISSAN | FRONTIER 3.0 DI       | ZD30DDT                |     | 2002 |      |
| NISSAN           | 16546-E6810 | NISSAN | FRONTIER 3.0 TD       | ZD30DDT                | 110 | 2004 | 2008 |
| NISSAN           | 16546-VK500 | NISSAN | FRONTIER AX 2.5 D     | YD25DDTI               | 98  | 2004 |      |
| PENTIUS          | PABS031     | NISSAN | PICK UP D-22 FRONTIER | 4L 3.0LTS TURBO DIESEL |     | 2005 | 2008 |
| SAKURA           | A1864       | NISSAN | REGULUS 3.0 D         | ZD30DDTI               | 113 | 1999 |      |
| SURE FILTER      | SFA9S00     | NISSAN | REGULUS 3.2 TD        | QD32ETI                | 110 | 1996 | 1999 |
| WEGA             | JFA-0101/3  | NISSAN | TERRANO 3.0 TDI       | ZD30DDTI               | 113 | 1999 | 2005 |
| WIX              | 47076       | NISSAN | TERRANO 3.2 TDI       | QD32ETI                | 110 | 1996 | 1999 |
|                  |             | NISSAN | TERRANO II 3.0 DI     | ZD30DDTI               | 113 | 1999 | 2006 |

## MK-9902



**H** = 45 mm

**L** = 225 mm

**W** = 188 mm

| CROSS REFERENCES |          | BRAND     | MODEL            | ENGINE                           | KW |      |      |
|------------------|----------|-----------|------------------|----------------------------------|----|------|------|
| DAEWOO           | 96536696 | CHEVROLET | AVEO             | 4L 1.6LTS E-TEC II 16 VALVE      |    | 2005 | 2010 |
| DAEWOO           | 96536697 | CHEVROLET | AVEO 1.6         | 1.6L F                           |    |      | 2004 |
| GM               | 96536696 | CHEVROLET | AVEO ACTIVO 1.4  | F14D3                            |    | 2005 | 2005 |
| AC DELCO         | A3081C   | CHEVROLET | AVEO EMOTION 1.6 | 1.6 DOHC 16V                     |    | 2006 | 2010 |
| FRAM             | CA9902   | CHEVROLET | AVEO FAMILY      | 1.5 SOHC                         |    | 2015 |      |
| LUBER-FINER      | AF3975   | CHEVROLET | AVEO G2 LS       | LT 1.6                           |    |      |      |
| MAHLE            | LX1915   | CHEVROLET | AVEO G3 LS       | LT 1.6                           |    |      |      |
| MANN             | C2324    | CHEVROLET | AVEO LS          | 4L 1.6LTS TWIN-TEC DOHC 16V      |    |      | 2009 |
| SAKURA           | A-8902   | CHEVROLET | AVEO LS          | LT 1.6                           |    |      |      |
| WIX              | 47037    | CHEVROLET | AVEO LT SPEED    | 4L 1.6LTS E-TEC II DOHC 16 VALVE | 76 |      | 2013 |







## FILTROS DE COMBUSTIBLE

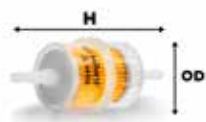
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A perfect combustion needs an efficient filter, able to retain polluting agents. To this end, the cellulosic or synthetic media allows fuel to reach the optimal performance. In diesel vehicles, thanks to our pleating technology and Millard's experience in the most demanding injection and common rail systems, help to keep away the particles generated by oxidation and water condensation.

La combustión perfecta necesita un filtro capaz de retener los elementos contaminantes con eficiencia. Para tal efecto, los elementos filtrantes compuestos en material celulósico o sintético, constituidos por fibras de poliéster permiten que la gasolina alcance un alto desempeño. En los vehículos diésel la combustión perfecta es llevada a cabo gracias a la tecnología de plisado y a la experiencia de Millard® en los más exigentes sistemas de inyección convencionales y common rail. La retención de los contaminantes producidos por la oxidación y la condensación de agua permiten un óptimo nivel de funcionamiento de este fluido.

Uma combustão perfeita necessita um filtro com a capacidade de reter os elementos contaminantes com eficiência e para tal efeito o material celulósico ou sintético composto por fibras de poliéster é utilizado pelos filtros Millard® para permitir que o fluido gasolina possa conseguir um elevado nível de desempenho. Nos veículos a gasóleo uma combustão perfeita é possível graças à inovadora tecnologia de plissado utilizado pela Millard® e pela sua experiência nos mais exigentes sistemas de injeção convencionais e common rail. A retenção dos contaminantes produzidos pela oxidação, condensação de água com origem nas variações de temperatura, permite um óptimo nível de funcionamento deste fluido.

## MF-1408



**H** = 118 mm

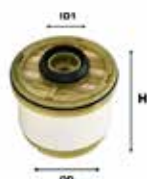
**OD** = 48 mm

**IN** = 6.3 / 8 mm

**OUT** = 6.3 / 8 mm

| CROSS REFERENCES |               | BRAND      | MODEL           | ENGINE               | KW |      |      |
|------------------|---------------|------------|-----------------|----------------------|----|------|------|
| CHRYSLER         | 2084467       | CHEVROLET  | SUPER CARRY 1.0 | F10A                 | 33 | 1993 | 2005 |
| GM               | 7984543       | CHEVROLET  | VITARA CARB 1.6 | G16A                 | 59 | 1992 | 1997 |
| PEUGEOT          | 1567.03       | FIAT       | FIORINO 1.0     | 146 B4.011           | 35 | 1994 | 1995 |
| RENAULT          | 77 01 349 332 | FIAT       | UNO 1.0         | 156 C.046            | 37 | 1990 | 1997 |
| VOLVO            | 2432144       | FORD       | ESCORT 1.6      | LUG                  | 65 | 1989 | 1990 |
| FRAM             | G12           | MAZDA      | 323             | 4L 1.3LTS CARBURATED | 50 | 1996 | 1999 |
| MANN             | WK 42/1       | MAZDA      | 323 CARB        | B6                   | 65 | 1991 | 1999 |
| SAKURA           | FS10041       | MAZDA      | B-2000 CARB 2.0 | 2.0 CARB             | 63 | 1991 | 1996 |
| WIX              | 33002         | VOLKSWAGEN | GOL 1.8         | RM                   | 64 | 1984 | 1994 |
| WIX              | 33003         | VOLKSWAGEN | SAVEIRO 1.6     | 1.6 AP               |    | 1993 | 1996 |

## MF-16262



**H** = 77 mm

**OD** = 84 mm

**ID1** = 22 mm

| CROSS REFERENCES |              | BRAND      | MODEL             | ENGINE             | KW  |      |      |
|------------------|--------------|------------|-------------------|--------------------|-----|------|------|
| ISUZU            | 8-98101749-3 | MITSUBISHI | L200 3.2 16V      | 4M41 DI-D          | 121 | 2009 |      |
| TOYOTA           | 23390-0L010  | TOYOTA     | FORTUNER 3.0      | 4 CIL 3.0L 1KDFTV  |     | 2007 | 2008 |
| TOYOTA           | 23390-0L011  | TOYOTA     | FORTUNER 3.0 D4-D | 1KD-FTV            | 80  | 2005 |      |
| DONALDSON        | P505973      | TOYOTA     | HIACE 2.5 D       | 2KD-FTV            |     | 2004 | 2010 |
| FRAM             | C10353       | TOYOTA     | HILUX 2.5         | 4 CIL 2.5L 2KDFTV  |     | 2005 | 2008 |
| MANN             | PU 835X      | TOYOTA     | HILUX 2.5 D       | 1KD-FTV            |     | 2007 |      |
| SAKURA           | F1111        | TOYOTA     | HILUX 2.5 D4-D    | 2KD-FTV            |     | 2005 | 2011 |
| SURE FILTER      | SFFL010      | TOYOTA     | HILUX 2.5 DIESEL  | D-4D 2KD-FTV       | 76  | 2006 | 2013 |
| VIC              | F193         | TOYOTA     | HILUX 3.0         | 4 CIL 3.0L 1KD-FTV |     | 2005 | 2008 |
| WEGA             | JFC-207/2    | TOYOTA     | HILUX 3.0 D4-D    | 4 CIL 3.0L 1KD-FTV |     | 2013 | 2015 |

## MF-26255



**H** = 111 mm

**OD** = 90 mm

**ID1** = 33 mm

| CROSS REFERENCES |             | BRAND  | MODEL          | ENGINE      | KW  |      |  |
|------------------|-------------|--------|----------------|-------------|-----|------|--|
| TOYOTA           | 23390-0L070 | TOYOTA | FORTUNER 2.8   | 1GD-FTV     | 132 | 2015 |  |
| TOYOTA           | 23390-0L090 | TOYOTA | HILUX 2.4 D    | 2GD-FTV     | 110 | 2015 |  |
| DONALDSON        | P506115     | TOYOTA | HILUX 2.4 D4-D | 1KD-FTV VNT |     | 2015 |  |
| FLEETGUARD       | FF5890      | TOYOTA | HILUX 2.8      | 1GD-FTV     | 132 | 2015 |  |
| SAKURA           | F-11140     | TOYOTA | HILUX 3.0 D4-D | 1KD-FTV VNT | 122 | 2015 |  |
| SURE FILTER      | SFF 0L07    |        |                |             |     |      |  |
| TECFIL           | PC953       |        |                |             |     |      |  |
| WEGA             | JFC-207/3   |        |                |             |     |      |  |

## MF-28275



**H** = 115 mm

**OD** = 99 mm

**ID1** = 12 mm

| CROSS REFERENCES |              | BRAND  | MODEL       | ENGINE   | KW |      |      |
|------------------|--------------|--------|-------------|----------|----|------|------|
| HINO             | SX001-12580  | HINO   | BLUE RIBON  | 6HK1-T   |    | 2012 |      |
| ISUZU            | 8-98162897-0 | HINO   | RAINBOW     | 6HK1-T   |    | 2007 | 2012 |
| BALDWIN          | PF9919       | ISUZU  | ELF NPR     | 4JJ1-TCS |    |      |      |
| DONALDSON        | P502427      | ISUZU  | ELF200      | 4JJ1-TC  |    |      |      |
| FLEETGUARD       | FS36243      | ISUZU  | ELF300      | 4JJ1-T   |    |      |      |
| LUBER-FINER      | L5098F       | ISUZU  | FORWARD 5.2 | 4HK1-TCS |    |      |      |
| SAKURA           | EF-1509      | ISUZU  | FORWARD 7.8 | 6HK1-TCC |    |      |      |
| SURE FILTER      | SFF 0110E    | ISUZU  | NPR         | 4HG1-T   |    |      |      |
| VIC              | F-513        | ISUZU  | NQR         | 4HK1-T   |    |      |      |
| WIX              | 33937        | NISSAN | ATLAS 3.0   | 4JJ1-T   |    |      |      |

## MF-29882



**H** = 177 mm

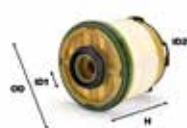
**OD** = 84 mm

**TH** = 3/4"-16

**DRAIN** = M36 x 1.5

| CROSS REFERENCES |             | BRAND  | MODEL              | ENGINE          | KW   |      |      |
|------------------|-------------|--------|--------------------|-----------------|------|------|------|
| NISSAN           | 16403-06J0A | NISSAN | AX 3.2 D           | QD32            | 76   | 1998 | 2005 |
| NISSAN           | 16405-01T0A | NISSAN | FRONTIER           | 4 CIL 2.7L TD27 |      | 2004 | 2004 |
| NISSAN           | 16405-01T70 | NISSAN | FRONTIER 3.0 TD    | ZD30DDT         | 110  | 2004 | 2008 |
| FRAM             | P5162       | NISSAN | FRONTIER D22       | V6 3.2L QD32    |      | 1997 | 2000 |
| LUBER-FINER      | LFF8932     | NISSAN | FRONTIER           | PICK-UP 2.7 D21 | TD27 | 58   | 1987 |
| MANN             | WK 850/1    | NISSAN | NAVARA 2.5         | YD25DDTI        |      | 2009 | 2012 |
| SAKURA           | FC1807      | NISSAN | NAVARA 2.5         | YD25DDTI        | 128  | 2009 | 2012 |
| SURE FILTER      | SFFIT70     | NISSAN | PATHFINDER 2.5 TDI | YD25DDTI        | 98   | 2005 |      |
| VIC              | FC235       | NISSAN | TERRANO 2.7 TD     | TD27T           | 66   | 1988 | 1995 |
| WEGA             | JFC-197     | NISSAN | TERRANO 3.2 TDI    | QD32ETI         | 110  | 1996 | 1999 |

## MF-36244



**H** = 85 mm

**OD** = 82 mm

**ID1** = 22 mm

**ID2** = 72 mm

| CROSS REFERENCES |              | BRAND | MODEL           | ENGINE    | KW  |      |      |
|------------------|--------------|-------|-----------------|-----------|-----|------|------|
| FORD             | AB3J 9176 AC | FORD  | RANGER 2.2 TDCI | DURATORQ  | 88  | 2012 | 2016 |
| FORD             | U201-13-ZA5A | FORD  | RANGER 3.2 TDCI | DURATORQ  | 147 | 2012 |      |
| MAZDA            | U2Y0-13-ZA5  | FORD  | RANGER 3.2 TDCI | DURATORQ  | 147 | 2012 | 2016 |
| TOYOTA           | 23390-0L050  | MAZDA | BT-50 2.2 TDCI  | DURATORQ  | 88  | 2012 | 2016 |
| FRAM             | C11507ECO    | MAZDA | BT-50 3.2 TDCI  | DURATORQ  |     | 2016 |      |
| SAKURA           | EO-17010     | MAZDA | BT-50 3.2 TDCI  | DURATORQ  | 147 | 2012 |      |
| SURE FILTER      | SFF 3ZA51    | MAZDA | BT-50 3.2 TDCI  | DURATORQ  | 147 | 2012 | 2016 |
| VIC              | F-196        | MAZDA | BT-50 II 2.5    | TDCI WLAA |     | 2016 |      |
| WEGA             | FCD-0785     | MAZDA | L200 2.4        | 4N15      |     | 2015 |      |
| WIX              | WF10224      | MAZDA | TRITON 2.4      | 4N15      |     | 2015 |      |

## MF-4886



**H** = 138 mm

**OD** = 96 mm

**TH** = M20x1.5

**DRAIN** = M36 x 1.5

| CROSS REFERENCES |               | BRAND   | MODEL                    | ENGINE        | KW |      |      |
|------------------|---------------|---------|--------------------------|---------------|----|------|------|
| HYUNDAI          | 31945-44001   | HYUNDAI | H100 2.5                 | 4D56          |    | 2004 |      |
| HYUNDAI          | 31973-44000   | HYUNDAI | HD65 3.6                 | D4AF          | 74 | 2004 |      |
| ISUZU            | 8 94121 431 0 | HYUNDAI | HD65 3.9                 | D4DB          | 94 | 2004 |      |
| MAZDA            | MB 220790     | HYUNDAI | HD72 3.9                 | D4DB          | 94 | 2004 |      |
| MAZDA            | MB 220900     | HYUNDAI | HD78 3.9                 | D4DB          | 96 | 2004 |      |
| FRAM             | P4886         | JAC     | HFC 1040K 2.8TD 3.2 TON. | HFC4DA1       | 68 | 2012 |      |
| MANN             | WK 940/16     | KIA     | GRAND PREGIO 3.0         | 3.0 JT DIESEL |    | 2012 | 2015 |
| SURE FILTER      | SFF0900       | KIA     | K2700 2.7 D              |               |    | 1993 | 1999 |
| WEGA             | JFC-901       | MAZDA   | CANTER 5.2 D             | 4M51          |    | 2002 | 2004 |
| WIX              | 33128         | NISSAN  | ATLAS 4.8                | 4HL1          |    | 2004 | 2007 |

## MF-4922



**H** = 138 mm

**OD** = 93 mm

**TH** = 3/4"-16

**DRAIN** = M36 x 1.5

| CROSS REFERENCES |               | BRAND  | MODEL            | ENGINE            | KW |      |      |
|------------------|---------------|--------|------------------|-------------------|----|------|------|
| ISUZU            | 1-13240-040-0 | HIPO   | DUTRO 4.9        | S05D              |    | 1999 | 2006 |
| NISSAN           | 16403-G9900   | MAZDA  | BT-50 2.5 D      | MD25NA            | 57 | 2007 | 2008 |
| TOYOTA           | 23303-64010   | TOYOTA | 4RUNNER 3.0 TD   | 1KZ-TE            | 85 | 1997 | 2004 |
| TOYOTA           | 23303-64020   | TOYOTA | HIACE 2.5        | 4 CIL 2.5L 2KDFTV |    | 2004 | 2004 |
| FRAM             | P4922         | TOYOTA | HILUX 2.4        | 4 CIL 2.4L 2LTE   |    | 1995 | 1997 |
| MANN             | WK 828        | TOYOTA | HILUX 2.5 D4-D   | 2KD-FTV           |    | 2005 | 2011 |
| SAKURA           | FC1104        | TOYOTA | HILUX 3.0 D      | 4 CIL 3.0L 5L     |    | 1997 | 2005 |
| SURE FILTER      | SFF3180       | TOYOTA | HILUX 3.0 TD     | 1KD-FTV           | 80 | 2000 | 2002 |
| WEGA             | JFC-215       | TOYOTA | LAND CRUISER 4.2 | 6 CIL 4.2L 1HZ    |    | 1998 | 2001 |
| WIX              | 33138         | TOYOTA | PRADO 3.0 D4-D   | 1KD-FTV           |    | 2002 |      |



## MF-60030



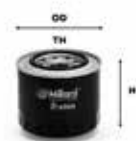
**H** = 162 mm

**OD** = 81 mm

**IDI** = 11 mm

| CROSS REFERENCES |             | BRAND  | MODEL               | ENGINE   | KW  |      |      |
|------------------|-------------|--------|---------------------|----------|-----|------|------|
| NISSAN           | 16403-4KVOA | NISSAN | FRONTIER 4.0        | VQ40DE   | 198 | 2005 | 2007 |
| NISSAN           | 16403-4KVOA | NISSAN | NAVARA 2.5          | YD25DDT  |     | 2015 |      |
| SAKURA           | EF-18050    | NISSAN | NP 300 2.5          | YD25DDTI |     | 2014 |      |
| SAKURA           | EF-18050    | NISSAN | NP 300 FRONTIER 2.5 | YD25DDTI | 140 | 2015 |      |
| SURE FILTER      | SFF 4KVOE   | NISSAN | NP300 2.5           | YD25DDTI |     | 2014 |      |
| SURE FILTER      | SFF 4KVOE   |        |                     |          |     |      |      |
| WEGA             | FCD-0963    |        |                     |          |     |      |      |
| WEGA             | FCD-0963    |        |                     |          |     |      |      |

## MF-6066



**H** = 83 mm

**OD** = 93 mm

**TH** = M20x1.5

| CROSS REFERENCES |          | BRAND      | MODEL         | ENGINE            | KW  |      |      |
|------------------|----------|------------|---------------|-------------------|-----|------|------|
| mitsubishi       | ME006066 | HYUNDAI    | COUNTY 3.9    | D4DD              | 89  | 2004 |      |
| mitsubishi       | ME016872 | HYUNDAI    | MIGHTY II 3.9 | D4DB              |     | 2015 |      |
| BALDWIN          | BF7552   | mitsubishi | CANTER 2.7 D  | 4DR5              | 59  | 1985 | 1989 |
| DONALDSON        | P550048  | mitsubishi | CANTER 3.3 D  | 4D30              | 64  | 1982 | 1989 |
| FLEETGUARD       | FF5087   | mitsubishi | CANTER 3.6 D  | 4D32              | 81  | 1985 | 1993 |
| MANN             | WK81880  | mitsubishi | CANTER 3.6 D  | 4D36              | 81  | 1993 | 1999 |
| SAKURA           | FC1002   | mitsubishi | CANTER 3.9 TD | 4D34-T            | 90  | 1989 | 1993 |
| SURE FILTER      | SFF6066  | mitsubishi | CANTER 4.2 D  | 4D33              | 68  | 1986 | 1995 |
| VIC              | FC317    | mitsubishi | CANTER FE 444 | 4L 3.3LTS 4D31-OA | OAT | 112  | 1991 |
| WIX              | 33399    | mitsubishi | ROSA 4.2      | 4D33              |     | 1989 | 1997 |

## MF-619



**H** = 163 mm

**OD** = 60 mm

**IN** = 8 mm

**OUT** = 8 mm

| CROSS REFERENCES |             | BRAND     | MODEL            | ENGINE              | KW  |      |      |
|------------------|-------------|-----------|------------------|---------------------|-----|------|------|
| CHEVROLET        | 96444649    | CHANGAN   | CS75 1.8 16V     |                     | 130 | 2014 |      |
| GM               | 96335719    | CHERY     | QQ 1.1           | SQR472              | 50  | 2006 | 2010 |
| SUZUKI           | 15410-86Z00 | CHERY     | QQ3              | 1.1L                | 50  | 2010 | 2012 |
| MAHLE            | KL714       | CHEVROLET | AVEO EMOTION 1.6 | 1.6 DOHC 16V        | 77  | 2006 | 2015 |
| MANN             | WK 55/3     | CHEVROLET | AVEO FAMILY      | 1.5 SOHC            |     | 2015 |      |
| SAKURA           | FS8901      | CHEVROLET | SPARK 1.0        | 4L 1.0LT S-TEC      | 50  | 2005 | 2013 |
| SURE FILTER      | SFS5563     | CHEVROLET | SPARK 1.2 M300   | B12D1               |     | 2010 | 2012 |
| WEGA             | JFC-383     | JAC       | J3 1.3 16V       | HFC4GB1             | 73  | 2009 |      |
| WIX              | 33850       | JAC       | S3 1.5 16V       | HFC4GB2.3D          | 83  | 2014 |      |
|                  |             | SUZUKI    | GRAND VITARA 2.0 | 4L 2.0LTS J20A DOHC | 94  | 1998 | 2012 |

## MF-65432



**H** = 150 mm

**OD** = 83 mm

**TH** = M16x1.5

**DRAIN** = M10 x 1.5

| CROSS REFERENCES |             | BRAND   | MODEL             | ENGINE   | KW |      |      |
|------------------|-------------|---------|-------------------|----------|----|------|------|
| FORD             | BF8T9155AA  | HYUNDAI | I30 1.6           | D4FB     |    | 2011 | 2017 |
| HYUNDAI          | 3,19E+305   | HYUNDAI | I40 1.7           | D4FD     |    | 2011 | 2015 |
| HYUNDAI          | 31922-2B900 | HYUNDAI | SANTA FE 2.0 CRDI | D4EA     |    | 2001 | 2005 |
| HYUNDAI          | 319222R900  | HYUNDAI | SANTA FE 2.2 CRDI | D4EB     |    | 2010 |      |
| HYUNDAI          | 3194545700  | HYUNDAI | SONATA 1.7        | D4FD     |    | 2014 |      |
| KIA              | 319223E10A  | HYUNDAI | TUCSON 2.0 CRDI   | D4EA     |    | 2004 | 2009 |
| FRAM             | PS10667     | KIA     | CARENS 1.7        | D4FD     |    | 2012 | 2016 |
| HENGST           | H299WK      | KIA     | MOHAVE 3.0 CRDI   |          |    | 2008 | 2011 |
| MANN             | WK7302      | KIA     | SORENTO 2.2 CRDI  | D4CB     |    | 2009 |      |
| SAKURA           | FC28190     | KIA     | SORENTO 2.5 TD    | D4CB-TCI |    | 2002 | 2006 |

# MF-66899



**H** = 142 mm  
**OD** = 85 mm  
**TH** = M16x1.5  
**DRAIN** = M12 x 1.25

| CROSS REFERENCES |             | BRAND   | MODEL             | ENGINE      | KW  |      |      |
|------------------|-------------|---------|-------------------|-------------|-----|------|------|
| HYUNDAI          | 31922-2E900 | HYUNDAI | AVANTE            | ELANTRA 1.6 |     |      | 2015 |
| HYUNDAI          | 31922-3A850 | HYUNDAI | H-1 TQ 2.5        | 2.5 SOHC 8V | 98  | 2008 | 2014 |
| HYUNDAI          | 31922-4H001 | HYUNDAI | H350 II 2.5 CRDI  | D4CB        | 110 | 2015 |      |
| KIA              | 31922-2EA00 | HYUNDAI | SANTA FE 2.0 CRDI | D4EA        | 83  | 2001 | 2005 |
| FRAM             | PS10235     | HYUNDAI | SANTA FE 2.2 CRDI |             | 102 | 2006 | 2009 |
| HENGST           | H70WK13     | HYUNDAI | TUCSON 2.0        | D4HA        |     | 2015 | 2018 |
| MANN             | WK 824/1    | HYUNDAI | TUCSON 2.0        | D4HD        |     | 2020 |      |
| SAKURA           | FC2801      | HYUNDAI | TUCSON 2.0 CRDI   | D4EA        | 88  | 2007 | 2009 |
| SURE FILTER      | SFF2900     | KIA     | SPORTAGE 2.0      | D4HA        |     | 2018 | 2021 |
| WEGA             | JFC-H09     | KIA     | SPORTAGE 2.0 CRDI |             |     | 2010 |      |







## FILTROS DE ACEITE

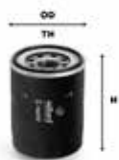
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Oil reduces engine wear, cools components and protects engine from erosion. Millard's technology takes care of the engine against the particles produced in the combustion, dust and abrasive fragments which increases engine friction. At the same time, our oil filters maintain the right viscosity removing the sludge and contaminants, satisfying original equipment manufacturer's required levels.

El aceite reduce el desgaste, refrigera los componentes y protege el motor contra la corrosión. La tecnología Millard® cuida el motor de los agentes contaminantes resultantes de la combustión, polvo y partículas abrasivas que pueden crear desgaste en el motor, al mismo tiempo que mantiene la viscosidad correcta cumpliendo con los niveles exigidos por el fabricante original.

O fluido óleo reduz o desgaste, refrigera os componentes e protege o motor contra a corrosão. A tecnologia Millard® permite proteger o motor dos agentes contaminantes resultantes da combustão, pó ou partículas abrasivas que podem criar desgaste nos diferentes componentes, ao mesmo tempo que mantem a viscosidade do óleo necessária para que as funções de lubrificação sejam cumpridas com os níveis exigidos pelo fabricante original.

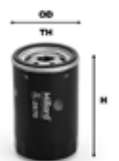
## ML-16682



**H** = 124 mm  
**OD** = 93 mm  
**TH** = M26x1.5  
**BY PASS** = Y

| CROSS REFERENCES |             | BRAND  | MODEL                        | ENGINE                   | KW |      |      |
|------------------|-------------|--------|------------------------------|--------------------------|----|------|------|
| DAIHATSU         | 1560187308  | ISUZU  | BIG HORN 3.1 TDI             | 4JG2-T                   | 80 | 1991 | 1998 |
| GM               | 25067293    | ISUZU  | NHR                          | 4JB1-TC                  |    | 2001 | 2009 |
| GM               | 94360427    | ISUZU  | NKR                          | 4JB1-TC                  |    | 2001 | 2009 |
| ISUZU            | 8943406970  | ISUZU  | NLR 2.8                      | 4JB1-TC                  |    | 2011 | 2012 |
| ISUZU            | 8943406971  | ISUZU  | NLR 2.8                      | 4JB1-TC                  | 91 | 2011 | 2012 |
| SUZUKI           | 16510-78E00 | ISUZU  | TROOPER 3.1 TDI              | 4JG2-T                   | 80 | 1991 | 1998 |
| FRAM             | PH5190      | JMC    | N900 2.8TD INTERCOOLER 4 TON | JX493ZLQ4                |    | 2007 |      |
| LUBER-FINER      | LFP5969     | MAZDA  | B 2500                       | DX - CD - 2.5 12V DIESEL |    | 2001 |      |
| MANN             | WP92080     | MAZDA  | B2900                        | 4 CIL 2.9L               |    | 2001 | 2003 |
| SAKURA           | C1712       | NISSAN | ATLAS                        | 3.1L 4JG2                |    | 1995 | 1996 |

## ML-2870



**H** = 120 mm  
**OD** = 78 mm  
**TH** = 3/4"-16  
**BY PASS** = Y

| CROSS REFERENCES |              | BRAND      | MODEL                       | ENGINE                 | KW |      |      |
|------------------|--------------|------------|-----------------------------|------------------------|----|------|------|
| VW GROUP         | 056 115 561A | AUDI       | TT ROADSTER (8N9) 1.8 T     | BVP                    |    | 2005 |      |
| BALDWIN          | B143         | VOLKSWAGEN | GOLF 2.0                    | 2.0 GASOLINA           |    | 1993 | 1998 |
| DONALDSON        | P551254      | VOLKSWAGEN | JETTA 2.0 (8V) SOHC         | AQY, APK, AZC, AZJ     |    | 2001 |      |
| FLEETGUARD       | LF3490       | VOLKSWAGEN | KOMBI                       | 4L 2.5LTS              |    | 1992 | 1999 |
| FRAM             | PH2870B      | VOLKSWAGEN | PASSAT (3B3) 2.8 (30V) DOHC | AMX, ATQ               |    | 2001 |      |
| LUBER-FINER      | LFP227       | VOLKSWAGEN | POLO 1.6                    | 4L 1.6LTS SOHC 8 VALVE |    | 1998 | 2000 |
| MANN             | W71928       | VOLKSWAGEN | SANTANA 2.0                 | 2.0 4L                 |    | 2001 | 2004 |
| MANN             | W7194        | VOLKSWAGEN | SAVEIRO 1.6 D               | 1.6 D                  |    | 1984 | 1997 |
| SAKURA           | C1801        | VOLKSWAGEN | VENTO                       | 4L 2.0LTS              |    | 1993 | 1999 |
| WIX              | 51249        | VOLKSWAGEN | VENTO 1.8                   | ABS, ADZ               |    | 1992 | 1999 |

## ML-3387



**H** = 86 mm  
**OD** = 77 mm  
**TH** = M18x1.5

| CROSS REFERENCES |            | BRAND     | MODEL                     | ENGINE         | KW  |      |      |
|------------------|------------|-----------|---------------------------|----------------|-----|------|------|
| CHEVROLET        | 93 745 067 | CHEVROLET | AGILE 1.4                 | 1.4 ECONOFLEX  | 71  | 2009 |      |
| CHEVROLET        | 94 797 406 | CHEVROLET | AVEO FAMILY               | 1.5 SOHC       |     | 2015 |      |
| GM               | 93156245   | CHEVROLET | CAPTIVA 2.4 16V           | Z24XE          | 110 | 2009 | 2011 |
| PEUGEOT          | 1109 A9    | CHEVROLET | CELTA 1.4                 | 1.4 MPFI FLEX  |     | 2007 |      |
| FRAM             | PH3387     | CHEVROLET | COBALT 1.8 8V FLEX        | N18HFX         | 79  | 2012 |      |
| MANN             | W712/75    | CHEVROLET | CORSA 1.6 MPFI            | 1.6 MPFI 8V    |     | 1996 | 2001 |
| SAKURA           | C-2503     | CHEVROLET | MONTANA 1.8 8V MPFI FLEX  |                |     | 2004 | 2011 |
| SURE FILTER      | SFO111     | CHEVROLET | ONIX 1.0 8V FLEX          | ECONO-FLEX     | 59  | 2012 | 2019 |
| WEGA             | WO-130     | CHEVROLET | PRISMA 1.0 8V ECONOFLEX   | ECONO-FLEX     | 59  | 2013 | 2019 |
| WIX              | 51040      | CHEVROLET | PRISMA 1.4 MPFI ECONOFLEX | ECONOFLEX MPFI | 71  | 2006 |      |

## ML-3593



**H** = 86 mm  
**OD** = 71 mm  
**TH** = M20x1.5  
**BY PASS** = Y

| CROSS REFERENCES |               | BRAND      | MODEL              | ENGINE                   | KW  |      |      |
|------------------|---------------|------------|--------------------|--------------------------|-----|------|------|
| HONDA            | 15400-PLC-004 | GREAT WALL | VOLEEX C30         | 1.5 VVT                  |     | 2011 | 2015 |
| HYUNDAI          | 26300-35A00   | HONDA      | CIVIC 1.8 IV-TEC   | R18A4                    |     | 2006 |      |
| HYUNDAI          | MD360935      | HONDA      | CR-V IV 2.4        | K24A                     |     | 2012 |      |
| MAZDA            | B 6Y0-14302   | HONDA      | HR-V 1.8           | R18ZG                    |     | 2014 | 2018 |
| MITSUBISHI       | MD135737      | HYUNDAI    | GRAND IIO          | 1.2L DUAL CVVT 16 V DOHC |     | 2015 | 2016 |
| FRAM             | PH7317        | KIA        | CERATO FORTE R     | GAMMA 1.6L MPI - CVVT    |     | 2016 | 2016 |
| SAKURA           | C-1011        | KIA        | PICANTO 1.0        | G3LA                     |     | 2011 |      |
| SURE FILTER      | SFO4459       | KIA        | RIO 1.5 STYLUS     | 1.5L DOHC 16V            | 72  | 2001 | 2012 |
| WEGA             | JFO-0198      | MITSUBISHI | LANCER TOURING 2.0 | 4L 2.0LTS SOHC 16 VALVE  | 92  | 2010 | 2014 |
| WIX              | 51356         | NISSAN     | SENTRA B-16        | MR20DE                   | 104 | 2006 | 2010 |



## ML-3600



**H** = 120 mm

**OD** = 77 mm

**TH** = 3/4"-16

**BY PASS** = Y

| CROSS REFERENCES |              | BRAND | MODEL                    | ENGINE              | KW |      |      |
|------------------|--------------|-------|--------------------------|---------------------|----|------|------|
| CHRYSLER         | 04781452BB   | FORD  | ECOSPORT 1.6 ZETEC ROCAM | 1.6 L SOHC          | 71 | 2003 |      |
| FORD             | E1FZ-6731-A  | FORD  | ESCAPE                   | 4 CIL 2.3L          |    | 2005 | 2008 |
| FORD             | E4FZ-6731-AB | FORD  | EXPLORER                 | V6 4.0L             |    | 2001 | 2004 |
| VOLKSWAGEN       | 06A 115 561E | FORD  | F-150                    | V6 4.2L             |    | 1999 | 2005 |
| FRAM             | PH3600       | FORD  | F-250                    | V8 4.6L             |    | 1997 | 2005 |
| MANN             | W71912       | FORD  | FIESTA POWER             | 1.6 4L              | 66 | 2002 | 2009 |
| WEGA             | WO-180       | FORD  | FOCUS                    | 4 CIL 2.3L FUEL INJ |    | 2005 | 2007 |
| WEGA             | WO-180       | FORD  | FUSION                   | 4 CIL 2.3L FUEL INJ |    | 2006 | 2006 |
| WIX              | 51516        | FORD  | RANGER                   | 4 CIL 2.3L          |    | 2003 | 2008 |
| WIX              | 51516XP      |       |                          |                     |    |      |      |

## ML-3614



**H** = 86 mm

**OD** = 77 mm

**TH** = 3/4"-16

**BY PASS** = Y

| CROSS REFERENCES |              | BRAND  | MODEL            | ENGINE           | KW |      |      |
|------------------|--------------|--------|------------------|------------------|----|------|------|
| SUZUKI           | 16510-73001  | FORD   | ECOSPORT 1.0     | C10FDOX          |    | 2017 |      |
| TOYOTA           | 15601-25010  | FORD   | FIESTA 1.0       | C10FDOX          |    | 2017 |      |
| TOYOTA           | 90915-YZZG1  | SUZUKI | BALENO 1.8       | 4 CIL 1.8L       |    | 1997 | 2004 |
| VOLKSWAGEN       | 030 115 561F | SUZUKI | GRAND VITARA 2.7 | V6 2.7L FUEL INJ |    | 2001 | 2009 |
| FRAM             | PH3614       | SUZUKI | IGNIS 1.3        | 4 CIL 1.3L M13A  |    | 2000 | 2006 |
| MANN             | W711/80      | SUZUKI | MARUTI GL        | 3 CIL 0.8L       |    | 1997 | 1999 |
| SAKURA           | C-1202       | SUZUKI | SX-4 1.6         | 4 CIL 1.6L       |    | 2006 | 2007 |
| SURE FILTERS     | SFO241       | SUZUKI | VITARA 2.5       | V6 2.5L FUEL INJ |    | 1999 | 2004 |
| WEGA             | WO-152       | TOYOTA | 4RUNNER 3.4      | V6 3.4L          |    | 2001 | 2004 |
| WIX              | 51348        | TOYOTA | PRADO 3.4        | V6 3.4L          |    | 1999 | 2005 |

## ML-3682



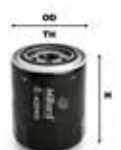
**H** = 98 mm

**OD** = 83 mm

**TH** = 3/4"-16

| CROSS REFERENCES |             | BRAND  | MODEL              | ENGINE                     | KW  |      |      |
|------------------|-------------|--------|--------------------|----------------------------|-----|------|------|
| FORD             | YL436714AA  | NISSAN | ALMERA 1.4 X,LX    | GA14DE                     |     | 1995 | 2000 |
| NISSAN           | 15208-H8911 | NISSAN | ALTIMA S 2.4       | KA24DE                     | 120 | 1994 | 1997 |
| NISSAN           | 15208HA000  | NISSAN | FRONTIER D-22 2.4  | KA24DE                     |     | 2002 | 2009 |
| SUBARU           | 15208-AA000 | NISSAN | PICK UP 2.4 I      |                            |     | 2002 |      |
| FRAM             | PH3682      | NISSAN | PICK UP D-21       | 4L 2.4LTS 12 VALVE KA24DE  | 100 | 2001 | 2008 |
| MANN             | W7131       | NISSAN | SENTRA B13 1.6     | 4L 1.6LTS 16 VALVE CA16DNE | 88  | 1997 | 2008 |
| SAKURA           | C1101       | NISSAN | SENTRA B14 1.6     | 4L 1.6LTS 16 VALVE CA16DNE | 67  | 1996 | 2000 |
| SURE FILTER      | SFO0101     | NISSAN | SENTRA B14 CLASICO | CA16DE                     | 66  | 2000 | 2012 |
| WEGA             | WO-110      | SUZUKI | ESCUDO 2.7         | H27A                       |     | 2005 | 2008 |
| WIX              | 51361       | SUZUKI | GRAND VITARA 2.7   | H27A                       |     | 2001 | 2008 |

## ML-42040



**H** = 117 mm

**OD** = 93 mm

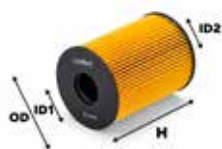
**TH** = M26x1.5

**BY PASS** = Y

| CROSS REFERENCES |              | BRAND   | MODEL             | ENGINE      | KW  |      |      |
|------------------|--------------|---------|-------------------|-------------|-----|------|------|
| HYUNDAI          | 26300-42030  | HYUNDAI | H1 STAREX 2.5     | D4CB        |     | 2009 |      |
| HYUNDAI          | 26300-42040  | HYUNDAI | H1 STAREX 2.5 TD  | D4BH        | 59  | 1997 | 2007 |
| KIA              | OK551 14 302 | HYUNDAI | H-1 TQ 2.5        | 2.5 SOHC 8V | 98  | 2008 | 2014 |
| BALDWIN          | BD28         | HYUNDAI | H350 II 2.5 CRDI  | D4CB        | 110 | 2015 |      |
| DONALDSON        | P551343      | HYUNDAI | H350 II 2.5 CRDI  | D4CB        | 125 | 2015 |      |
| MANN             | W 930/26     | HYUNDAI | TERRACAN 2.9 CRDI | NM81X       | 120 | 2001 | 2007 |
| SAKURA           | C-2906       | KIA     | CARNIVAL 2.9 CRDI | J3TC        | 136 | 2001 | 2006 |
| SURE FILTER      | SFO4A00      | KIA     | GRAND PREGIO 3.0  | 3.0L        | 66  | 2006 | 2014 |
| WEGA             | JFO-0505P    | KIA     | K2700 2.7D        | 2.7L        | 59  | 2001 | 2005 |
| WIX              | 51067        | KIA     | PREGIO 2.5 D      | 2.5L        | 60  | 2001 | 2005 |



## ML-9540



**H** = 103 mm

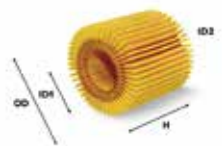
**OD** = 78 mm

**ID1** = 28 mm

**ID2** = 28 mm

| CROSS REFERENCES |             | BRAND  | MODEL                 | ENGINE                    | KW  |      |      |
|------------------|-------------|--------|-----------------------|---------------------------|-----|------|------|
| NISSAN           | 15209-2W200 | NISSAN | CARAVAN 3.0 DI        | ZD30DDTI                  | 113 | 2002 | 2007 |
| NISSAN           | AY110-NS002 | NISSAN | FRONTIER 3.0 DI       | ZD30DDT                   |     | 2002 |      |
| RENAULT          | 7701057828  | NISSAN | FRONTIER 3.0 TD       | ZD30DDT                   | 110 | 2004 | 2008 |
| FRAM             | CH9540      | NISSAN | PICK UP D-22 FRONTIER | 4L 3.0LTS TURBO DIESEL    |     | 2005 | 2008 |
| FRAM             | CH9540      | NISSAN | PICKUPS               | 2.5 DI MOTOR D22 YD25 EFI |     | 2002 | 2003 |
| MANN             | HU 825 X    | NISSAN | TERRANO 3.0           | ZD30                      |     | 2003 |      |
| SAKURA           | EO1804      | NISSAN | TERRANO 3.0 DI        | ZD30DDTI                  |     | 2002 | 2005 |
| SURE FILTER      | SFOW200E    | NISSAN | TERRANO II 3.0 DI     | ZD30DDTI                  | 113 | 1999 | 2006 |
| WEGA             | WOE940      | NISSAN | URVAN 3.0 D           | 3.0L                      | 66  | 2001 | 2009 |
| WEGA             | WOE-940     | NISSAN | URVAN 3.0 D           | 3.0L                      | 66  | 2001 | 2009 |

## ML-96796



**H** = 57 mm

**OD** = 59 mm

**ID1** = 28 mm

**ID2** = 28 mm

| CROSS REFERENCES |             | BRAND  | MODEL                | ENGINE  | KW |      |      |
|------------------|-------------|--------|----------------------|---------|----|------|------|
| DAIHATSU         | 04152-B1010 | TOYOTA | AVENSIS 1.8          | 2ZR-FAE |    | 2008 | 2018 |
| HINO             | 04152-37010 | TOYOTA | COROLLA              | L4 1.8L |    | 2013 | 2015 |
| TOYOTA           | 04152-40060 | TOYOTA | COROLLA 1.3          | 1NR-FE  |    | 2013 | 2019 |
| TOYOTA           | 04152-YZZA6 | TOYOTA | COROLLA 1.6          | 1ZR-FE  | 92 | 2009 |      |
| FRAM             | CH10358     | TOYOTA | COROLLA 1.8          | 2ZR-FAE |    | 2012 |      |
| MANN             | HU 6006 Z   | TOYOTA | COROLLA 1.8          | 2ZR-FE  |    | 2013 |      |
| SAKURA           | EO-1103     | TOYOTA | COROLLA 1.8 VVT-I    | 2ZR-FE  | 98 | 2013 |      |
| SURE FILTER      | SFO B101E   | TOYOTA | PRIUS C SPORT HYBRID | L4 1.5L |    | 2011 | 2016 |
| WEGA             | WOE-803     | TOYOTA | URBAN CRUISER 1.3    | 74KW 99 |    | 2009 |      |
| WIX              | 57064       | TOYOTA | VITZ 1.0 VVT-I       | 1SZ-FE  | 48 | 1999 | 2000 |

## ML-98325



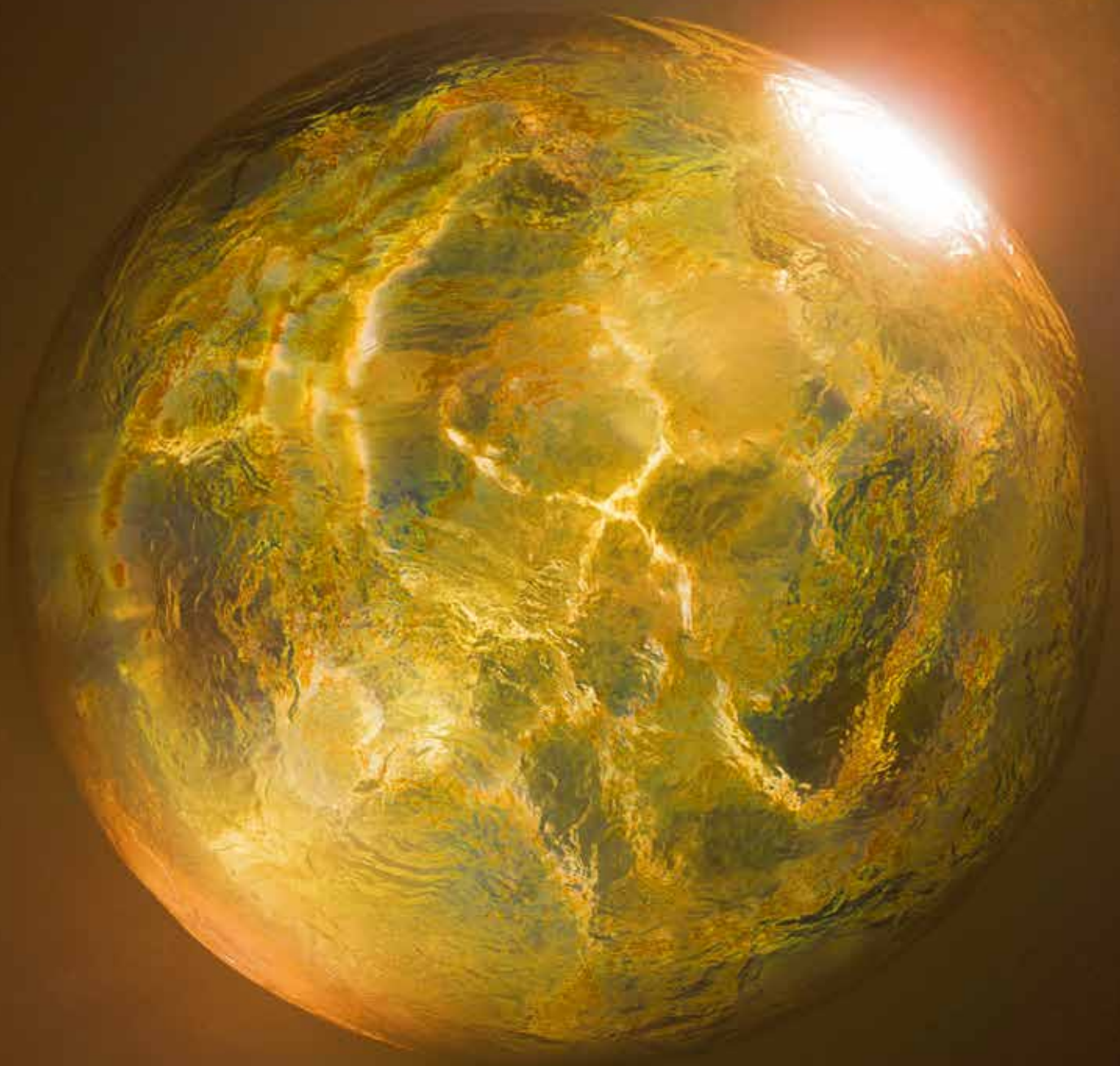
**H** = 101 mm

**OD** = 83 mm

**TH** = M26x1.5

**BY PASS** = Y

| CROSS REFERENCES |              | BRAND     | MODEL         | ENGINE   | KW  |      |      |
|------------------|--------------|-----------|---------------|----------|-----|------|------|
| CHEVROLET        | 8-98165071-0 | CHEVROLET | D-MAX 3.0 D   | 4JJ1-TC  | 98  | 2012 |      |
| ISUZU            | 5-87615000-0 | CHEVROLET | LUV D-MAX 3.0 | 4JJ1     |     | 2012 |      |
| ISUZU            | 8981650710   | ISUZU     | D-MAX 2.5     | 4JK1-TCS |     | 2013 | 2013 |
| ISUZU            | 8-98165071-0 | ISUZU     | D-MAX 3.0     | 4JJ1-T   |     | 2016 | 2016 |
| MAZDA            | PN5214302    | ISUZU     | D-MAX 3.0 D   | 4JJ1-TCX |     | 2012 |      |
| MAZDA            | PN52-14-302  | ISUZU     | D-MAX 3.0 TDI | 4JJ1-TCX |     | 2012 |      |
| MAZDA            | PNY214302    | ISUZU     | D-MAX 3.0 TDI | 4JJ1-TCX | 132 | 2012 |      |
| MAZDA            | PNY2-14-302  | ISUZU     | MU-X 3.0 D    | 4JJ1-TCX |     | 2012 |      |
| FRAM             | PH5583       | ISUZU     | MU-X 3.0 D    | 4JJ1-TCX | 132 | 2012 |      |
| SAKURA           | C15670       | ISUZU     | WIZARD 3.0    | 4JJ1-TC  |     | 2007 |      |







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THE PERFECT SEALING



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# LARSSÖN®

**FEATURES:**

- Prevents loosening due to vibration.
- Prevents rusting and leaking.
- Medium viscosity.
- For up to 1" threads.
- Medium duty. (Bolts & nuts, prevents loosening due to vibration. Removable with hand tools.

**APPLICATION:**

- Clean and dry the object for best results.
- Twist off over the cap.
- Cut off the nozzle.
- Apply Anaerobic Adhesive to both parts and assemble.
- See technical datasheet for complete information.

**WARNING:**

Keep away from children.  
Contains methacrylic ester.  
May cause allergic skin reaction.  
May cause eye irritation.  
May be irritating on prolonged inhalation of vapors.  
Prevent contact with skin and eyes.  
Use only with adequate ventilation.  
Wear eye protection and gloves when handling.

**FIRST AID:**

In case of eye or skin contact, flush with water.  
If swallowed, do not induce vomiting.  
Get medical attention for any eye or internal contact.



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**LARSSÖN®**

**6262 THREADLOCKER**  
FIJADOR DE ROSCA

**8-180 MIN CURING TIME**  
(CURADO EN 8 A 180 MIN)

**FLUORESCENT UNDER UV LIGHT**  
(FLUORESCENTE BAJO LUZ UV)

**UP TO 1 IN. THREADS**  
(ROSCAS HASTA 25MM)

**PERMANENT FIX**  
(FIJADO PERMANENTE)

**MEDIUM VISCOSITY**  
(MEDIA VISCOSIDAD)

**GENERAL USE**  
(USO GENERAL)

**THIXOTROPIC**  
(TIXOTRÓPICO)

**HIGH STRENGTH**  
(RESISTENCIA ALTA)  
**RED (ROJO)**

**PROFESSIONAL OEM QUALITY**

NET FL 0.34 OZ.  
CONT NET 10 ML



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KEEP AWAY FROM CHILDREN - MANTENER FUERA DEL ALCANCE DE LOS NIÑOS

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**FEATURES:**

- Prevents loosening due to vibration.
- Prevents riving and leaking.
- Medium Viscosity.
- For up to 1" threads.
- Medium duty. (bolts & nuts), prevents loosening due to vibration. Removable with hand tools.

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May cause eye irritation.  
May be irritating on prolonged inhalation of vapors.  
Prevent contact with skin and eyes.  
Use only with adequate ventilation.  
Wear eye protection and gloves when handling.

**FIRST AID:**

In case of eye or skin contact, flush with water.  
If swallowed, do not induce vomiting.  
Get medical attention for any eye or animal contact.

**CARACTERÍSTICAS:**

Previene el desajuste debido a vibración.  
Evita oxidación y fugas.  
Viscosidad media.  
Para tornillos de hasta 25 mm.

**Modo de uso:**

- Limpie y seque las superficies para el mejor resultado.
- Abra la tapa.
- Corta la punta.
- Aplique pegamento anaeróbico a las partes y ensamble.
- Vea datos técnicos para más información.

**PRECAUCIÓN:**

Mantener fuera del alcance de los niños.  
Contiene éster metacrílico.  
Puede causar reacción alérgica.  
Puede causar irritación ocular.  
Puede causar irritación respiratoria prolongada.  
Evite el contacto con piel y ojos.  
Usar en zona ventilada.  
Usar gafas protectoras y guantes durante su uso.

**PRIMEROS AUXILIOS:**

En caso de contacto con los ojos, lavar abundantemente con agua.  
En caso de ingestión, no provocar el vómito.  
En caso de contacto con la piel, lavar con agua y jabón.

**LARSSÖN®**

**6243 THREADLOCKER**  
FIJADOR DE ROSCA

**8-180 MIN CURING TIME**  
(CURADO EN 8 A 180 MIN)

**FLUORESCENT UNDER UV LIGHT**  
(FLUORESCENTE BAJO LUZ UV)

**UP TO 1 IN. THREADS**  
(ROSCAS HASTA 25MM)

**REMOVABLE**  
(DESMONTABLE)

**MEDIUM VISCOSITY**  
(MEDIA VISCOSIDAD)

**GENERAL USE**  
(USO GENERAL)

**THIXOTROPIC**  
(TIXOTRÓPICO)

**MEDIUM STRENGTH**  
(RESISTENCIA MEDIA)  
**BLUE** (AZUL)

**PROFESSIONAL OEM QUALITY**

**L-6243**  
NET FL 0.34 OZ.  
CONT NET 10 ML

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**KEEP AWAY FROM CHILDREN - MANTENER FUERA DEL ALCANCE DE LOS NIÑOS**



A continuación, se describen el conjunto de Buenas Prácticas que reconocemos como acciones que valorizan las operaciones de cambio de filtros de cualquier clase en nuestro automóvil, recordando que estas deben realizarse siempre respetando los intervalos de tiempo o recorrido recomendados por cada fabricante y para cada vehículo, en los espacios apropiados y con la herramienta adecuada.

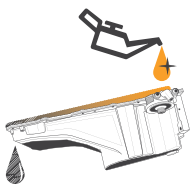


### Atemperado del motor

El aceite caliente es más sencillo de retirar para realizar una restitución de filtro de aceite. Si el motor está frío, manténgalo funcionando al menos 10 minutos.

### Contemporizado do motor

A substituição do filtro do motor deve ser feita com o do óleo quente, já que assim é mais fácil de o retirar. No caso do óleo estiver frio, ligue o motor até este atingir a temperatura ideal que permita a sua exclusão.

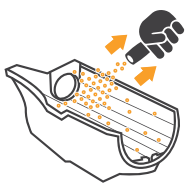


### Vaciado del aceite del cárter

Para no contaminar el nuevo elemento filtrante con aceite sucio, se recomienda drenar y reponer la totalidad del circuito de aceite con aceite nuevo.

### Esvaziamento do óleo do carter

Para não contaminar o filtro novo com óleo sujo, é recomendado a drenagem do óleo usado, fazendo assim a exclusão total do fluido presente no sistema de lubrificação.

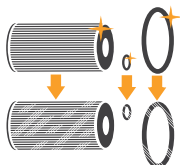


### Limpieza y aspirado de bases de montaje

Para la sustitución de filtros de aire o cabina, se debe realizar la limpieza de las carcasas o bases de montaje, para así evitar daños por los elementos que hayan quedado en el interior.

### Limpeza e aspirado das bases de montagem

Previamente à substituição dos filtros do ar e habitáculo, as carcaças e bases de montagem devem ser limpas a fim de evitar danos ocasionados por elementos que tenham ficado no seu interior.



### Sustitución de elementos de sellado en bases de montaje

Asegúrese de restituir la totalidad del filtro, en algunos casos, el elemento filtrante incluye un elemento de sellado, este también debe sustituirse con la reposición del filtro.

### Substituição de vedantes nas bases de montagem

Confira a restituição do filtro na sua totalidade, alguns casos, o elemento filtrante pode incluir um vedante, este também deverá ser substituído.

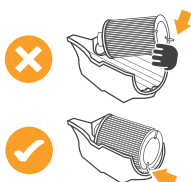


### Lubricación de juntas y retenes

Antes del montaje de elementos filtrantes de aceite o combustible, se recomienda untar con el mismo producto a filtrar, las juntas de estanquidad del dispositivo para mejorar su capacidad de sellado.

### Lubrificação de vedantes e retentores

Previamente à montagem dos filtros de elemento para óleo ou combustível, recomenda-se lubrificar os vedantes como o mesmo produto a filtrar, para melhorar a sua capacidade de vedação.



### Correcto posicionado del elemento filtrante

Especialmente en filtros "de cartucho" que van dentro de carcasas o tienen una posición concreta de montaje, es conveniente asegurar que esté en su lugar, de forma que su funcionalidad no se vea mermada.

### Posicionamento do elemento filtrante

Em especial os filtros "de Elemento" que vão no interior das carcaças ou que apresentam uma posição específica, é conveniente conferir o seu correto posicionamento, de forma a que o seu funcionamento não esteja viciado.



### Cebado de filtros

Especialmente en filtros tipo "Spin On" es recomendable realizar un pre llenado del fluido trabajado, para que, en casos como filtros de aceite, el motor no quede sin lubricación y se ocasionen daños en este.

### Purgado de filtros

Especialmente nos filtros tipo "Spin On" o recomendável é realizar o preenchimento do filtro, para que a lubrificação seja constante, isto no caso dos filtros do óleo.

|                                             | Aceite     |          | Combustible |            |          |               |          |            | Aire     |          | Cabina |
|---------------------------------------------|------------|----------|-------------|------------|----------|---------------|----------|------------|----------|----------|--------|
|                                             | Ecológicos | Spin On  | Ecológicos  | Diesel DLF | In Line  | Diesel Módulo | Spin On  | Cilíndrico | Panel    | Panel    |        |
| Atemperado del motor                        | <b>1</b>   | <b>1</b> |             |            |          |               |          |            |          |          |        |
| Vaciado del aceite del cárter               | <b>2</b>   | <b>2</b> |             |            |          |               |          | <b>1</b>   | <b>1</b> | <b>1</b> |        |
| Limpieza y aspirado de la base de montaje   |            |          |             |            |          |               |          |            |          |          |        |
| Sustitución de elementos de sellado         | <b>3</b>   |          | <b>1</b>    |            |          |               |          |            |          |          |        |
| Lubricación de juntas y retenes             | <b>4</b>   | <b>3</b> | <b>2</b>    |            |          |               | <b>1</b> |            |          |          |        |
| Correcto posicionado del elemento filtrante | <b>5</b>   |          | <b>3</b>    |            |          |               |          | <b>2</b>   | <b>2</b> | <b>2</b> |        |
| Cebado de filtros                           |            | <b>4</b> |             |            |          |               | <b>2</b> |            |          |          |        |
| Asegurado de correcta entrada de rosca      |            | <b>5</b> |             |            |          |               | <b>3</b> |            |          |          |        |
| Apretado Adecuado                           |            | <b>6</b> |             |            |          |               | <b>4</b> |            |          |          |        |
| Correcto asegurado de conexiones            |            |          |             | <b>1</b>   | <b>1</b> | <b>1</b>      |          |            |          |          |        |
| Alimentación de circuitos                   |            |          |             |            | <b>2</b> |               |          |            |          |          |        |
| Cerrado de carcasas o cartuchos             | <b>6</b>   |          | <b>4</b>    |            |          |               |          | <b>3</b>   | <b>3</b> | <b>3</b> |        |
| Purgado de Aire                             |            |          | <b>5</b>    | <b>2</b>   |          | <b>2</b>      | <b>5</b> |            |          |          |        |
| Inspección de fugas                         | <b>7</b>   | <b>7</b> | <b>6</b>    | <b>3</b>   | <b>3</b> | <b>3</b>      | <b>6</b> |            |          |          |        |

## Landing page

Hemos mejorado la página principal del catálogo online. Seguimos dando prioridad a la búsqueda de productos, pero ofrecemos más información en la parte inferior de la página. Descubre los nuevos productos, o descarga directamente el catálogo en PDF.



### Kits MZ

Todo para tu coche en un solo pack.



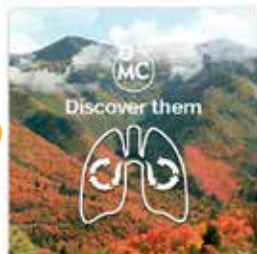
### Nuevos Productos

Descubre aquí nuestros nuevos productos.



### Filtros MC

¿Sabes los beneficios de cambiar tu filtro de cabina?



### Catálogos Descargables

El catálogo de tu país a un click.



## Búsqueda más potente

Hemos aumentado la potencia y la usabilidad de la misma.

Cuando realice una búsqueda, se mostrará un desplegable con posibles resultados.

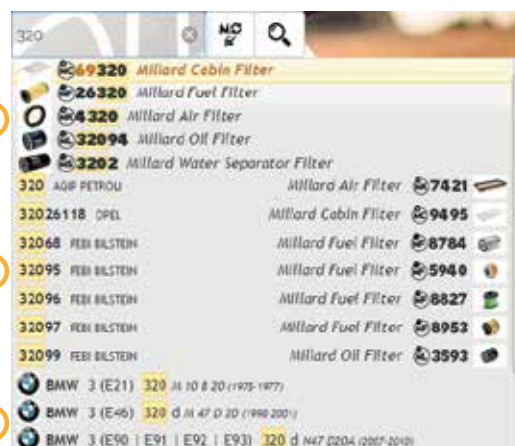
Una primera sección con las referencias Millard que concuerden con su búsqueda, una segunda sección con las referencias de competidores, y su equivalencia en Millard.

Una tercera sección con los vehículos que concuerden con la búsqueda realizada.

### Referencias Millard

### Referencias de Competidor

### Aplicaciones



Si lo desea, puede modificar este comportamiento a través del botón de opciones ubicado inmediatamente a la derecha de la caja de búsqueda y elegir qué resultados quiere consultar.

Si en la caja de búsqueda, en vez de Enter hace click en  el sistema le redirigirá a una página de resultados más extensa en función de lo escrito en la caja de búsqueda.

En esta página de resultados, podrá filtrar por tipo de resultado modificando los parámetros de la esquina superior derecha (Productos Millard, competidores o aplicaciones). Según el número de resultados obtenido, es posible que los resultados se organicen en varias páginas.

En la parte inferior de la página encontrará la barra para navegar a través de todas las páginas de resultados.

Si pulsa sobre uno de los resultados, accederá al detalle de los mismos, bien sea un producto Millard o una aplicación.

## Sección de aplicaciones

Hemos dotado también de una mayor funcionalidad a la sección de búsqueda por aplicaciones. Ahora, en los desplegables de marcas, series o modelos, puede utilizar la caja de filtrado para encontrar rápidamente la aplicación buscada.

### Applications Europe's catalog

**Manufacturer**  
 Select a manufacturer  
 Choose a manufacturer  
 Choose a manufacturer  
 AUDI  
 BMW  
 CITROEN  
 FIAT  
 FORD

**Model Series**  
 Select the model series you are looking for.  
 Choose the model Series  
 Choose the model Series  
 A-Serie (1979 - 1981)  
 B-MAX (1982 - )  
 Benetton (1991 - 2006)  
 C-Max (2007 - 2009)

**Model**  
 Select the model you are looking for.  
 Choose the model  
 Choose the model  
 1.0 EcoBoost  
 1.4 Duratec  
 1.5 TDCi  
 1.6 TDCi  
 1.6 TH-VCT

### Marca

Seleccione una Marca, se abrirá el siguiente menú para elegir serie.

### Serie

En el desplegable de series, obtendrá información acerca del tipo de vehículo, ligero o pesado a través de los iconos ubicados a la derecha del modelo.

### Modelo

Una vez seleccionado el modelo, obtendrá el resultado completo de la aplicación. Pulse sobre un filtro para ver el detalle.

## Sección de búsqueda por forma y medidas

Hemos mantenido la esencia de la sección de búsqueda por medidas, mejorando la experiencia a través de unos iconos mejorados y una caja de búsqueda de medidas mucho más intuitiva.

### Shape & Dimensions

**Type of filter**  
 Choose a type of filter  
 Full Filter

**Shape**  
 Select the image according to the filter shape  




**Refine search** Based on measures and tolerance  

|                                |     |    |       |
|--------------------------------|-----|----|-------|
| H (Height):                    | 100 | mm | + 5mm |
| OD (Outer Diameter):           | 84  | mm | + 5mm |
| TH (Thread):                   |     |    |       |
| DS (Drain Size):               |     |    |       |
| GS-ID (Gasket Inner Diameter): | 62  | mm | + 2mm |
| GS-OD (Gasket Outer Diameter): | 70  | mm | + 2mm |

☒ Diesel ☒ Petrol ☒ Out Fuel  
 Filter

**MF4549**



**H** (Height): 100 mm  
**OD** (Outer Diameter): 84 mm  
**TH** (Thread): M12x1.5  
**DS** (Drain Size): NO  
**GS-ID** (Gasket Inner Dim.): 62 mm  
**GS-OD** (Gasket Outer Dim.): 70 mm

**MF4886**



**H** (Height): 139 mm  
**OD** (Outer Diameter): 96 mm  
**TH** (Thread): M20x1.5  
**DS** (Drain Size): M36 x 1.5  
**GS-ID** (Gasket Inner Dim.): 52 mm  
**GS-OD** (Gasket Outer Dim.): 70 mm

**MF4922**



**H** (Height): 138 mm  
**OD** (Outer Diameter): 93 mm  
**TH** (Thread): 3/4"-16  
**DS** (Drain Size): M36 x 1.5-6H  
**GS-ID** (Gasket Inner Dim.): 56 mm  
**GS-OD** (Gasket Outer Dim.): 64 mm

Además, ahora, podrá visualizar las dimensiones de los productos sin necesidad de acceder a la ficha de producto.



## Ficha de producto

- Mejor visibilidad del producto.
- Podrá emitir un comentario sobre el artículo, y valorarlo.
- Podrá compartir la URL de producto con otra persona, enviándoselo mediante email, o bien a través de Twitter, Facebook, Google+ o LinkedIn
- Podrá descargar la ficha de producto en PDF (Atención: El catálogo de Millard es actualizado varias veces a la semana, por lo que las fichas de producto pueden quedar obsoletas en poco tiempo)



**29523 Applications**

Available in following catalogs: Europe, Paraguay

**Europe Catalog Applications**

| Manufacturer | Series               | Model               | Engine   | Kw  | HP  | CV  | Start | Finish |
|--------------|----------------------|---------------------|----------|-----|-----|-----|-------|--------|
| FORD         | C-MAX                | 1.8                 | DURATEC  | 74  | 99  | 100 | 2007  | 2008   |
| FORD         | C-MAX                | 1.8 TDCi            | DURATORQ | 60  | 80  | 90  | 2007  | 2008   |
| FORD         | C-MAX                | 1.9 TDCi            | DURATORQ | 74  | 99  | 100 | 2007  | 2008   |
| FORD         | C-MAX                | 1.8 TDCi            | DURATORQ | 60  | 80  | 90  | 2007  | 2008   |
| FORD         | C-MAX                | 1.8 16V 16 FLEXFUEL | DURATEC  | 90  | 120 | 125 | 2007  | 2008   |
| FORD         | C-MAX                | 1.8 TDCi            | DURATORQ | 60  | 80  | 90  | 2007  | 2008   |
| FORD         | C-MAX                | 2.0 TDCi            | DURATORQ | 81  | 109 | 110 | 2007  | 2008   |
| FORD         | C-MAX                | 2.0 TDCi            | DURATORQ | 60  | 80  | 90  | 2007  | 2008   |
| FORD         | C-MAX                | 2.0 TDCi            | DURATORQ | 100 | 134 | 135 | 2007  | 2008   |
| FORD         | C-MAX                | 2.0 2.0 FUEL INJ    | DURATEC  | 100 | 134 | 135 | 2007  | 2008   |
| FORD         | C-MAX II GRAND C-MAX | 1.0 ECOBOOST        | 10700K   | 54  | 72  | 75  | 2009  | 2010   |
| FORD         | C-MAX II GRAND C-MAX | 1.0 ECOBOOST        | 10700K   | 55  | 75  | 75  | 2009  | 2010   |
| FORD         | C-MAX II GRAND C-MAX | 1.5 ECOBOOST        | 10700K   | 75  | 100 | 100 | 2009  | 2010   |
| FORD         | C-MAX II GRAND C-MAX | 1.5 ECOBOOST        | 10700K   | 75  | 100 | 100 | 2009  | 2010   |
| FORD         | C-MAX II GRAND C-MAX | 1.5 TDCi            | 10700K   | 75  | 100 | 100 | 2009  | 2010   |
| FORD         | C-MAX II GRAND C-MAX | 1.5 TDCi            | 10700K   | 75  | 100 | 100 | 2009  | 2010   |

Bajo la ficha de producto accederá a las aplicaciones de su mercado.

Dispone de una caja de búsqueda para filtrar sobre esos mismos resultados, buscando por cualquier campo que sea filtrable (marca, modelo, motor, potencia, año...)

Si pulsa sobre una aplicación, se le redirigirá al detalle de la misma, con todos los ítems para los que aplique.

## MZ Kits Europe's catalog



## Sección MZ

Mejoramos la identificación de los MZ, mostrando las marcas para las que aplica el Kit.

Pulsando sobre el kit, accederá a la ficha extendida del MZ, obteniendo información sobre su composición y aplicaciones.

## Búsqueda desde la página web

Para mejorar la experiencia de usuario, hemos incorporado una caja de búsqueda directa en nuestra página web (www.millardfilters.com).

Esta se encuentra en el margen derecho, y desplegándola, podrás hacer una búsqueda directa en nuestro catálogo online.

El resultado de la búsqueda sería lo mostrado a continuación:







**CABINA**



**COMBUSTIBLE**



**AIRE**



**ACEITE**