



PERÚ 2022

CATÁLOGO DE FILTRACIÓN



GLOBAL QUALITY

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.







ISO 9001 : 2015

The prestigious German firm TÜV Rheinland, known for its extensive experience in the automotive industry has granted the Certification to Millard®, giving fulfillment to the requirements established by the international norm ISO 9001:2008.

Millard® has an advanced quality assurance system: "Global Quality" that allows us to achieve the industry standards in all the products that we offer, and it's a warranty of original equipment equivalent.

Millard® está certificada por la prestigiosa acreditadora alemana TÜV Rheinland Ibérica Inspection, Certification & Testing, según la norma UNE-EN ISO 9001-2008.

Millard® posee un avanzado sistema de aseguramiento de calidad integrado "Global Quality" que a lo largo de su cadena de producción permite obtener los mismos estándares de calidad exigidos por la industria automotriz en todos los productos que ofrece y certifica como recambios de calidad equivalente al original.

Millard® está certificada pela prestigiada acreditadora alemã TÜV Rheinland Ibérica Inspection, Certification&Testing, segundo a norma UNE-EN ISO 9001-2008.

Millard® possui um avançado sistema de asseguramento de qualidade integrado "Global Quality" que ao longo da sua cadeia de produção permite obter os mesmos standards de qualidade exigidos pela indústria automóvel em todos os produtos que oferece e certifica como sobressalentes de qualidade equivalente ao de origem.



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www.millardcatalog.com

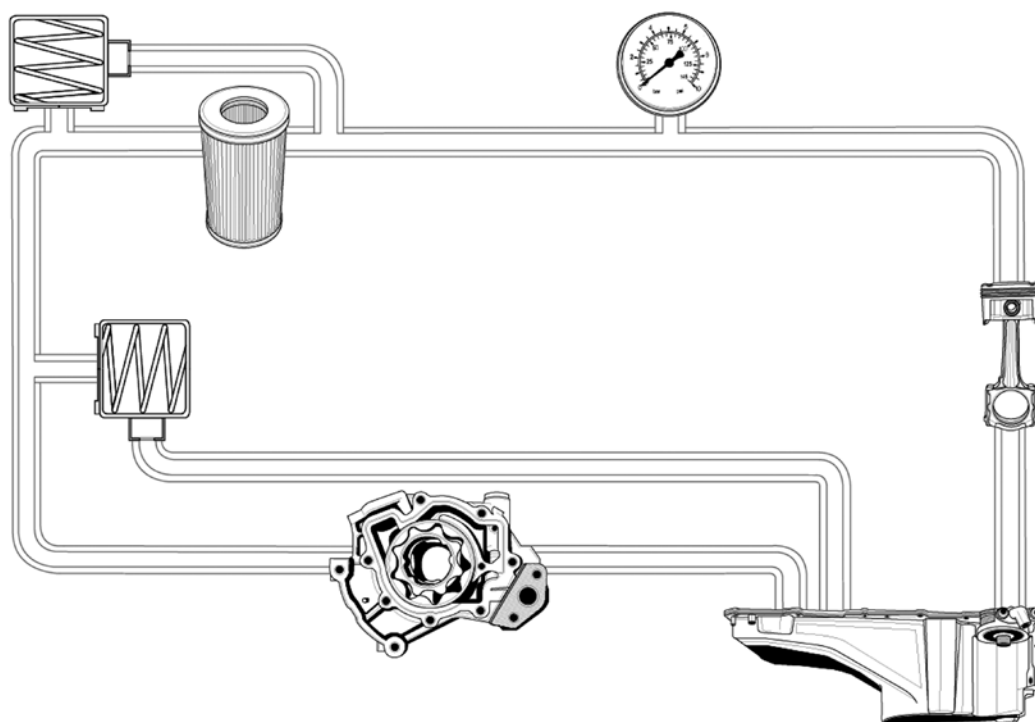


CALIDAD EN LA INDUSTRIALIZACIÓN

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.





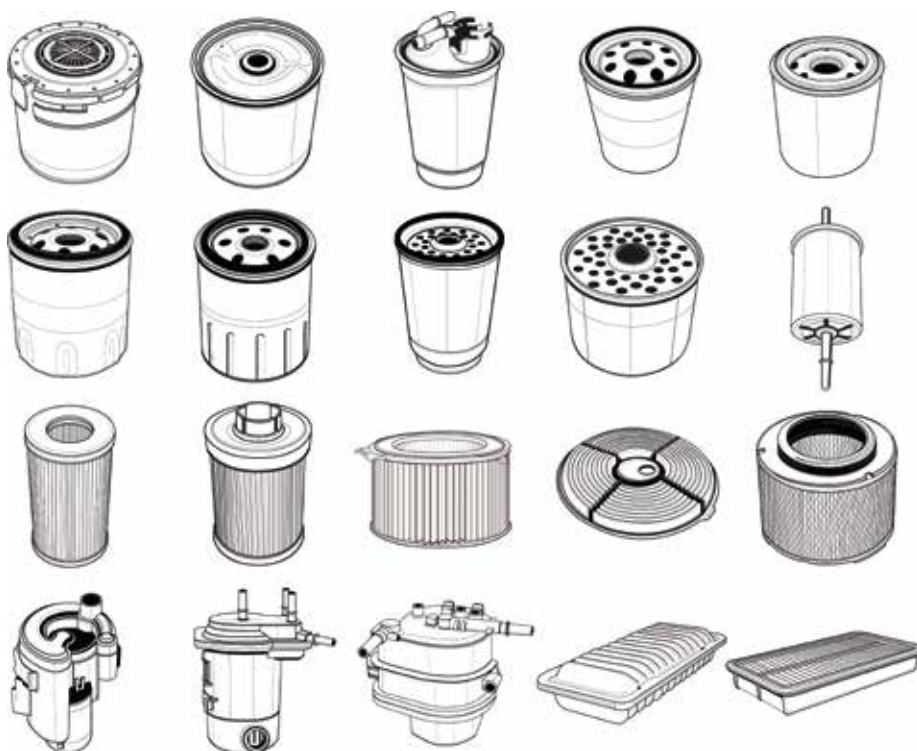
NUESTRA LÍNEA DE PRODUCTOS

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

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 filtrado.



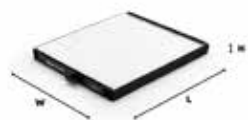
MC-2200	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 17 mm L = 225 mm W = 202 mm	HYUNDAI	97133-2E900	HYUNDAI	ACCENT 1.6	D4FB		2011	2014
	BOSCH	1987432170	HYUNDAI	TUCSON 2.0	G4GC	104	2004	2009
	FRAM	CF10210	HYUNDAI	TUCSON 2.0	G4KC	119	2010	
	HENGST	E2925LI	HYUNDAI	TUCSON 2.0 CRDI	D4EA	83	2004	2009
	MAHLE	LA301	KIA	CERATO FORTE	1.6 DOCH 16V CVVT	126	2011	2012
	MANN	CU2336	KIA	RIO 1.4	D4FC		2014	
	PUROLATOR	C39107	KIA	RIO XCITE 1.6	G4ED	82	2006	2009
			KIA	SPORTAGE	4L 2.0LTS G4GC	103	2008	2011
			KIA	SPORTAGE	V6 2.7LTS G6BA	131	2005	2008
			KIA	SPORTAGE R	2.0L 16V DOHC D-CVVT	166	2010	2012

MC-28488	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 20 mm L = 220 mm W = 200 mm	TOYOTA	87139-YZZ07	TOYOTA	COROLLA 1.6	4L 1.6LTS 16 VALVE VVT-I 3ZZ-FE	82	2003	2008
	TOYOTA	88568-02030	TOYOTA	COROLLA 1.8	2ZZ-GE		2002	2007
	TOYOTA	88568-12020	TOYOTA	COROLLA 1.8	4L 1.8LTS 16V VVT-I 1ZZ-FE	102	2002	2008
	BOSCH	1987432088	TOYOTA	COROLLA FIELDER 1.8	2ZZ-GE		2004	2007
	FRAM	CF9686						
	HENGST	E1927LI						
	MAHLE	LA157						
	MANN	CU2035						
	PUROLATOR	C38236						

MC-30025	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 29 mm L = 215 mm W = 195 mm	TOYOTA	87139-0D010	TOYOTA	COROLLA 1.6	4L 1.6LTS 16V VVT-I 1ZR-FE	92	2009	2013
	TOYOTA	87139-52020	TOYOTA	COROLLA 1.8	4L 1.8LTS VVT-I 16 VALVE 2ZR-FE	98	2009	2013
	TOYOTA	87139-YZZ08	TOYOTA	FORTUNER 2.5	2KD-FTV		2009	2012
	TOYOTA	87139-YZZ16	TOYOTA	FORTUNER 3.0	5L-E		2005	2013
	FRAM	CF10285	TOYOTA	HILUX 2.5	2KD-FTV		2005	2015
	FRAM	CF10322	TOYOTA	HILUX 2.5 D4-D	2KD-FTV		2005	2011
	HENGST	E2945LI	TOYOTA	HILUX 3.0	1KD-FTV		2004	2015
	MAHLE	LA109	TOYOTA	HILUX 3.0	5L-E		2004	2015
	MANN	CU1919	TOYOTA	HILUX 3.0 D4-D	4 CIL 3.0L 1KD-FTV		2013	2015
	PUROLATOR	C35667	TOYOTA	RAV4 2.5	2AR-FE	132	2012	

MC-31515	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 32 mm L = 449 mm W = 118 mm	BMW	64 31 9 127 515	MINI	1.4	N12B14A			
	BALDWIN	PA10168	MINI	1.4 LPG	N12B14A			
	FRAM	CF10831	MINI	1.6	N12B16A			
	LUBER-FINER	CAF1789	MINI	1.6	N16B16A			
	MANN	CU 4436	MINI	1.6	N16B16A			
	PUROLATOR	C15831	MINI	1.6 DIESEL	9HZ			
	SAKURA	CA-30110	MINI	1.6 S TURBO	N14B16A, N14B16AB			
			MINI	1.6 S TURBO	N18B16A			
			MINI	2.0 D	N47C20A			
			MINI	2.0 SD	N47C20A			

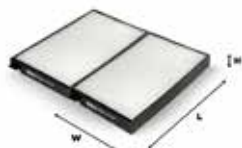
MC-34174



H = 19 mm
L = 252 mm
W = 206 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	96435888	CHEVROLET	AVEO 1.6	4L 1.6LTS E-TEC II 16 VALVE	79	2005	2010
CHEVROLET	96539649						
DAEWOO	96539649						
GENERAL MOTORS	96830504						
SUZUKI	95860-84Z00						
FRAM	CF10546						
LUBER-FINER	CAF1830P						
MAHLE	LA361						
MANN	CU2330						
PUROLATOR	C35898						

MC-35567



H = 20 mm
L = 209 mm
W = 123 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	97617-4H000	HYUNDAI	H1 TQ 2.5	2.5 SOHC 8V	98	2007	2012
HYUNDAI	976174-H000AT						
HYUNDAI	97617-4H900						
HYUNDAI	976174-H900						
LYS	AFC9761						
MAHLE	LA634S						
MANN	CU210052						
SAKURA	CA28180						

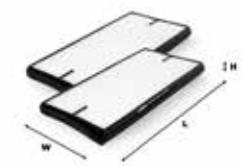
MC-35928



H = 30 mm
L = 222 mm
W = 199 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HONDA	80290-ST3-E01	HONDA	CR-V	L4 2.0L		1997	2001
HONDA	80291-ST3-505	HONDA	INSIGHT	L3 1.0L		2000	2006
HONDA	80291-ST3-515						
FRAM	CF8249						
LUBER-FINER	CAF1726						
MANN	CU 2351						
PUROLATOR	C35402						
SAKURA	CA-1602						

MC-36635



H = 18 mm
L = 227 mm
W = 114 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
SUZUKI	95861-65D00	SUZUKI	GRAND VITARA 2.0	4L 2.0LTS J20A DOHC	94	1998	2012
SUZUKI	95861-65D00-000						
SUZUKI	9586167D00						
SUZUKI	95861-67D00						
HENGST	E2908LI						
LUBER-FINER	CAF1747						
MAHLE	LAK448						
MANN	CU220022						
SAKURA	CA-6511						

MC-41154	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 22 mm L = 240 mm W = 188 mm	FORD	1541456	FORD	ECOSPORT 1.5	C15DDOX		2017	
	FORD	1594615	FORD	ECOSPORT 1.6		85	2017	
	FORD	2092404	FORD	ECOSPORT 1.6 16 FLEX		81	2012	2017
	FORD	8V51-18D543-AA	FORD	ECOSPORT 2.0	DURATEC	129	2017	
	BOSCH	1987432215	FORD	ECOSPORT 2.0 16V	DURATEC	107	2012	2017
	FRAM	CF10659	FORD	FIESTA VI 1.5 16V		82	2013	
	LUBER-FINER	CAF1899P	FORD	FIESTA VI 1.6 16V		94	2016	
	MANN	CU2436	FORD	FIESTA VI 1.6 16V FLEX		96	2010	
	SAKURA	CA-19220	FORD	FIESTA VI 1.6 8V FLEX		79	2010	
			FORD	TOURNEO COURIER 1.5	C15DSOX		2014	

MC-41238	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 25 mm L = 216 mm W = 195 mm	DENSO	DCF136P	DODGE	RAM 1500	V8 4.7L		2010	2010
	MAZDA	DD1061P11	DODGE	RAM 1500	V8 5.7L		2010	2010
	BOSCH	1987431092	JEEP	COMPASS	L4 2.0L		2008	2017
	BOSCH	1987432092	JEEP	COMPASS	L4 2.4L		2008	2017
	FRAM	CF10729	JEEP	PATRIOT	L4 2.0L		2007	2018
	FRAM	CFA9665	JEEP	PATRIOT	L4 2.4L		2008	2018
	MANN	CU2043	RAM	1500	V6 3.0L		2014	2018
	PUROLATOR	C18336	RAM	1500	V6 3.7L		2011	2013
			RAM	1500	V8 4.7L		2011	2013
			RAM	1500	V8 5.7L		2011	2018

MC-43734	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 25 mm L = 190 mm W = 225 mm	BOSCH	0986AF5292	CHEVROLET	SAIL 1.4	S-TEC III	102	2012	
	PUROLATOR	FAC-5910						
	SAKURA	CA-65310						

MC-48627	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 29 mm L = 212 mm W = 189 mm	SUZUKI	95850-61M00	SUZUKI	ERTIGA 1.4	K14B		2012	2018
	SUZUKI	95850-61M00-000	SUZUKI	ESCUDO 1.4	K14C		2017	
	BOSCH	1987435071	SUZUKI	ESCUDO 1.6	M16A		2015	
	FRAM	CF11862	SUZUKI	SWIFT 1.2	K12M		2011	2018
	MANN	CU22023	SUZUKI	SX4 S-CROSS 1.4	K14C		2016	
	SAKURA	CA-14970	SUZUKI	SX4 S-CROSS 1.6	M16A		2013	
			SUZUKI	VITARA 1.6	M16A		2014	

MC-52077



H = 35 mm
L = 250 mm
W = 180 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	27277-4BU0A	NISSAN	MARCH 1.2	HR12DE		2010	
BOSCH	1987435057	NISSAN	MARCH 1.5	HR15DE		2013	
FRAM	CF11854	NISSAN	QASHQAI 1.2	HRA2DDT		2013	
HENGST	E3952LI	NISSAN	QASHQAI 1.5	K9K		2013	
MAHLE	LA 1176	NISSAN	QASHQAI 1.6	MR16DDT		2013	
MANN	CU 25 003	NISSAN	QASHQAI 1.6	R9M		2013	
SAKURA	CA-18360	NISSAN	QASHQAI 2.0	MR20DD		2013	
		NISSAN	ROGUE 2.5	QR25DE		2013	
		NISSAN	SUNNY 1.5	HR15DE		2014	
		NISSAN	X-TRAIL 2.0	MR20DD		2014	

MC-52680C



H = 35 mm
L = 241 mm
W = 203 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	EC13271191	CHEVROLET	CRUZE 1.8 16V FLEX	N18XFF	106	2011	
DAEWOO	13271190	CHEVROLET	ONIX 1.0 8V FLEX	ECONO-FLEX	59	2012	2019
DAEWOO	P13271190	CHEVROLET	ONIX 1.4 8V FLEX	ECONO-FLEX	78	2012	2019
OPEL	1 808 246	CHEVROLET	ONIX 1.4 N	C14SE	72	2013	
FRAM	CF10775	CHEVROLET	PRISMA 1.0 8V ECONOFLEX	ECONO-FLEX	59	2013	2019
HENGST	E2962LC	CHEVROLET	PRISMA 1.4 8V ECONOFLEX	ECONO-FLEX	78	2013	2019
LUBER-FINER	CAF1872C	CHEVROLET	SONIC 1.6 16V		85	2012	
MAHLE	LAK 472	CHEVROLET	SPIN 1.8 8V ECONOFLEX	N18XFH	82	2017	
MANN	CUK2442	CHEVROLET	TRACKER 1.4 16V TURBO FLEX		113	2017	
SAKURA	CAC-65210	CHEVROLET	TRACKER 1.8 16V FLEX		103	2013	

MC-53035



H = 28 mm
L = 276 mm
W = 208 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DAEWOO	P96440878	CHEVROLET	CAPTIVA 2.4	16V ECOTEC	126	2008	2011
OPEL	4803883	CHEVROLET	CAPTIVA 3.2	V6 3.2LTS HF 24V	166	2007	2009
OPEL	96800069						
BOSCH	1987432222						
HENGST	E2955LI						

MC-53058



H = 30 mm
L = 224 mm
W = 233 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HONDA	08R79-SEA-000A	HONDA	CIVIC IX 1.6 I-VTEC		92	2012	
HONDA	80292-SDA-A01	HONDA	CIVIC IX 1.8 16V I-VTEC		104	2012	2016
HONDA	80292-SDC-505-HE	HONDA	CIVIC IX 2.0 16V I-VTEC	R20A2, R20A	114	2013	2016
BALDWIN	PA4196	HONDA	CIVIC VIII 1.8	R18A1	103	2007	
FRAM	CF10062	HONDA	CIVIC VIII 2.0	R20A2	141	2007	2011
HENGST	E2990LI	HONDA	CIVIC X	2.0 16V I-VTEC	114	2016	
LYS	AFC8029	HONDA	CR-V II 2.0	R20A		2006	2011
MANN	CU 2358	HONDA	CR-V II 2.0	R20A2	110	2005	2011
PUROLATOR	C35519P	HONDA	CR-V IV 2.0	R20A1	112	2015	
SAKURA	CA-1606	HONDA	CR-V IV 2.0	R20A9	114	2012	

MC-65175	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
	BOSCH	0986BF0591	CHEVROLET	S-10 2.8 CDTI	R428 DOHC	149	2013	
	FRAM	CF1112						
	MAHLE	LA909						

H = 30 mm
L = 231 mm
W = 210 mm

MC-68011	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
	DACIA	27 27 730 16R	RENAULT	SANDERO 1.6	K7M 812		2012	2019
	NISSAN	27277-5FA0A	RENAULT	SANDERO STEPWAY 1.6	K7M		2014	
	RENAULT	27 27 730 16R						
	RENAULT	27 27 782 14R						
	BOSCH	1987435011						
	FRAM	CF11706						
	MAHLE	LA 923						
	MANN	CU 22 011						
	SAKURA	CA-25090						

H = 35 mm
L = 216 mm
W = 200 mm

MC-70620	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
	VOLKSWAGEN	7H0 819 631A	VOLKSWAGEN	AMAROK 2.0 TDI		134	2016	
	VW GROUP	7H0 819 631	VOLKSWAGEN	AMAROK 2.0 TDI	CDCA	90	2010	
	VW GROUP	7H0819631						
	BOSCH	1987432114						
	FRAM	CF9881						
	HENGST	E1910LC						
	LYS	AFC9631						
	MAHLE	LA 182						
	MAHLE	LA182						
	MANN	CU2842						

H = 33 mm
L = 279 mm
W = 218 mm

MC-71258	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
	TOYOTA	87139-0K070	SUBARU	ASCENT 2.4	FA24F		2018	
	TOYOTA	87139-28020	TOYOTA	COROLLA 1.8 VVTI HYBRID FLEX	ZWE211	74	2019	
	BOSCH	0986BF0689	TOYOTA	FORTUNER 2.8	1GD-FTV	132	2015	
	FRAM	CF11862	TOYOTA	HILUX 2.4 D	2GD-FTV	110	2015	
	HENGST	E4959LI	TOYOTA	HILUX 2.7	2TR-FE	120	2015	
	LUBER-FINER	CAF1950P	TOYOTA	HILUX 2.8	1GD-FTV	132	2015	
	MANN	CU22032	TOYOTA	HILUX 2.8 D	1GD-FTV	132	2015	
	SAKURA	CA11380	TOYOTA	PRIUS, PRIUS 1.8 HYBRID	2ZR-FXE	72	2015	

H = 29 mm
L = 216 mm
W = 185 mm

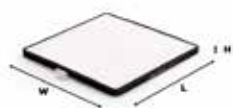
MC-72486



H = 42 mm
L = 220 mm
W = 190 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHRYSLER	71775179	RENAULT	LOGAN 1.4	K7J 710		2009	2014
NISSAN	27891-AX010	RENAULT	LOGAN 1.6	K7M 710		2009	2014
NISSAN	27891-AX01A	RENAULT	LOGAN 1.6	K7M 812		2014	
RENAULT	27 27 753 74R	RENAULT	LOGAN SANDERO 1.6	K7M 710		2008	2014
RENAULT	77 01 059 997	RENAULT	SANDERO 1.6	K7M		2009	2014
FRAM	CF9691	RENAULT	SANDERO STEPWAY 1.6	K7M 710		2009	2014
MAHLE	LA 230						
MANN	CU 1829						
PUROLATOR	C18337						
SAKURA	CA-1806						

MC-73356



H = 10 mm
L = 205 mm
W = 196 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DENSO	DCF245P	CHEVROLET	SPARK 1.0	4L 1.0LT S-TEC	50	2005	2013
CHEVROLET	96425700						
DAEWOO	96425700						
BOSCH	1987432171						
FRAM	CF11414						
MAHLE	LA624						
MANN	CU2012						

MC-73375



H = 25 mm
L = 265 mm
W = 100 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	27274-EA000	NISSAN	PATHFINDER 3.5	VQ35DE	170	2001	2004
BOSCH	0986BF0582	NISSAN	PATHFINDER 4.0	VQ40DE	198	2001	2009
FRAM	CF10553						
LUBER-FINER	CAF1813P						
MAHLE	LA289						
MANN	CU2623						
SAKURA	CA1809						

MC-76644



H = 20 mm
L = 220 mm
W = 210 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8-97356127-0	ISUZU	D-MAX 3.0	4JJ1-T		2016	2016
ISUZU	8-98008442-0						
MANN	CU22010						

MC-77180	CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO	
 H = 30 mm L = 180 mm W = 185 mm	DAIHATSU 08975-B4000-100	SUZUKI	SWIFT III 1.3	D13A		2005	2010
	FIAT 71743821	SUZUKI	SWIFT III 1.3	Z13DT		2005	2010
	SUZUKI 95860-58J01	SUZUKI	SWIFT IV 1.3	D13A		2010	
	SUZUKI 95860-62J00						
	TOYOTA 88568-37020						
	BOSCH 1987432173						
	FRAM CF10073						
	MAHLE LA 155						
	MANN CU 1827						
	SAKURA CA-1402						

MC-81950	CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO	
 H = 21 mm L = 236 mm W = 239 mm	HYUNDAI 08790-2H000	HYUNDAI	AVANTE 1.6	D4FB		2013	2015
	HYUNDAI 97133-2H001	HYUNDAI	ELANTRA 1.6	G4FG	98	2013	
	KIA 97133-2H001	HYUNDAI	ELANTRA 1.8 16V	G4NBB	110	2011	
	FRAM CF11434	HYUNDAI	ELANTRA 2.0 16V	DOHC CVVT	131	2013	
	FRAM CF12058	HYUNDAI	I20 1.1	D3FA		2016	
	LUBER-FINER CAF1846P	HYUNDAI	I30 1.6 16V		94	2013	
	MAHLE LA482	HYUNDAI	I30 1.8 16V	G4NBB	110	2014	
	MANN CU24013	KIA	CARENS 1.7	D4FD		2012	2016
	SAKURA CA28260	KIA	CARENS 1.7	D4FD		2016	
	SAKURA CAC28260	KIA	CERATO I 1.6 16V	G4FC	94	2013	

MC-82069	CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO	
 H = 20 mm L = 239 mm W = 110 mm	MERCEDES BENZ 415 835 11 00	NISSAN	NV400 2.3 DCI 100	M9T670 676 690 692	74	2011	
	MERCEDES BENZ A415 835 11 00	NISSAN	NV400 2.3 DCI 110		81	2014	
	NISSAN 27891-00Q0D	NISSAN	NV400 2.3 DCI 125	M9T676 686 690 692 696 698	92	2011	
	RENAULT 77 01 209 837	NISSAN	NV400 2.3 DCI 150	M9T678 680 686 694 696 698	107	2011	
	FRAM CF10534-2	RENAULT	MASTER IV 2.3 DCI 100	M9T670 676 690 692	74	2010	
	HENGST E2982LI-2	RENAULT	MASTER IV 2.3 DCI 110	MT9	81	2014	
	MAHLE LA 468/S	RENAULT	MASTER IV 2.3 DCI 125	M9T676 686 690 692 696 698	92	2010	
	MANN CU 2418-2	RENAULT	MASTER IV 2.3 DCI 150	M9T880	110	2013	
		RENAULT	MASTER IV 2.3 DCI BITURBO 160		120	2014	
		RENAULT	MASTER IV 2.3 DCI BITURBO 170	M9T EURO 6	125	2015	

MC-83236	CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO	
 H = 28 mm L = 201 mm W = 226 mm	HYUNDAI 97133-D1000	HYUNDAI	ACCENT 1.4	G4LC		2018	
	HYUNDAI 97133-D3000	HYUNDAI	ACCENT 1.6	G4FG		2018	
	HYUNDAI 97133-D3200	HYUNDAI	CRETA 1.6 16V	GAMMA	96	2017	
	HYUNDAI 97133-J9000	HYUNDAI	CRETA 2.0 16V	NU	122	2017	
	BOSCH 0986BF0699	HYUNDAI	TUCSON 2.0	G4NA	110	2015	2018
	FRAM CF12160	KIA	RIO IV 1.4	G4LC	74	2017	
	LUBER-FINER CAF1948P	KIA	RIO IV 1.6	G4FG	90	2017	
	MANN CU 23 019	KIA	SPORTAGE 1.7	D4FD		2015	2019
	SAKURA CA28380	KIA	SPORTAGE 2.0	G4NA		2015	

MC-85121



H = 30 mm
L = 215 mm
W = 234 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	1718237	FORD	RANGER 2.2 TDCI	DURATORQ	118	2012	2016
FORD	AB3919N619AA	FORD	RANGER 3.2 TDCI	DURATORQ	197	2012	2016
MAZDA	UCY0-61-PT1	MAZDA	BT-50 2.2 TDCI	DURATORQ	118	2012	2016
BOSCH	1987435056	MAZDA	BT-50 3.2 TDCI	DURATORQ	197	2012	2016
FRAM	CF11548						
HENGST	E3980LI						
MAHLE	LA 833						
MANN	CU24006						
PUROLATOR	FAC-6111						

MC-89721



H = 19 mm
L = 161 mm
W = 191 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	27891-4A00C	NISSAN	PIXO 1.0	K10B	67	2009	
SUZUKI	95861-M68K10	SUZUKI	ALTO 0.8	F8D		2007	2012
SUZUKI	95861-M68K30	SUZUKI	ALTO 0.8	F8DN		2013	2016
SUZUKI	990J0-M79GS0	SUZUKI	ALTO 1.0	G10B		2000	
BOSCH	1987432148	SUZUKI	ALTO 1.0	K10B	67	2009	
FRAM	CF10823	SUZUKI	ALTO 1.1	F10D	62	2005	2009
HENGST	E3933LI	SUZUKI	ALTO 1.1	F10DN	62	2004	2008
MAHLE	LA 586	SUZUKI	CELERIO 1.0	K10B	67	2011	
MANN	CU 17 001						
SAKURA	CA-18170						

MC-92334



H = 57 mm
L = 288 mm
W = 218 mm

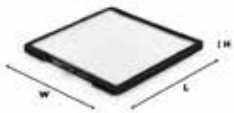
CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	1K0819644	AUDI	A3 1.6 FSI	BAG, BLF, BLP	85	2003	
VW GROUP	1K0819644A	AUDI	A3 2.0 16V TFSI	AXX, BPY, BWA, CAWB, CBFA, CCTA	147	2005	
VW GROUP	1K0819644B	AUDI	A3 2.0 LE			2007	2012
BOSCH	1987432097	AUDI	Q3 2.0 TFSI	CCTA	147	2014	
FRAM	CF11486	AUDI	Q3 2.0 TFSI	CCZC	125	2011	
FRAM	CF9922	VOLKSWAGEN	JETTA III 2.0 TURBO FSI	BWA, BPY, CAWB, CCTA	147	2005	2010
HENGST	E998LI	VOLKSWAGEN	JETTA IV 2.0 16V HIGHLINE	CBFA, CCTA, CCZA	147	2010	
MAHLE	LA181	VOLKSWAGEN	PASSAT 2.0 16V TFSI	AXX, BWA, CAWB, CBFA, CCTA, CCZA	147	2005	2010
MANN	CU2939	VOLKSWAGEN	TIGUAN I 2.0 16V TSI	CAWB, CCTA, CCZA	147	2007	
PUROLATOR	C18333						

MC-9323C



H = 32 mm
L = 248 mm
W = 216 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	4638300018	AUDI	A2 1.6 FSI	BAD	81	2002	2005
VW GROUP	6Q0819653	HYUNDAI	SANTA FE	V6 2.7LTS DOHC	125	2001	2006
VW GROUP	6Q0820367	VOLKSWAGEN	FOX 1.6	4L 1.6LTS SOHC 8 VALVE	76	2005	2010
VW GROUP	6Q0820367B	VOLKSWAGEN	POLO IV 1.0	EA211	94	2017	
BOSCH	1987431057	VOLKSWAGEN	VIRTUS 1.0	EA211	94	2018	
FRAM	CF9323						
FRAM	CFA9404						
MAHLE	LAK120						
MANN	CUK2545						
PUROLATOR	C38197						

MC-94242	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 12 mm L = 186 mm W = 185 mm	HYUNDAI	97133-07010	KIA	PICANTO 1.0	G3LA		2011	
	KIA	97133-07000	KIA	PICANTO 1.1	G4HG	49	2004	2010
	KIA	97133-07010	KIA	PICANTO 1.2			2011	
	KIA	971330X900						
	BOSCH	1987432164						
	FRAM	CF10627						
	HENGST	E1976LI						
	MAHLE	LA471						
	MANN	CU1910						
	SAKURA	CA2808						

MC-98256	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 18 mm L = 217 mm W = 214 mm	TOYOTA	87139-06030	SUBARU	LEGACY III 2.5 16V	EJ25	121	2003	
	TOYOTA	87139-06040	SUBARU	LEGACY III 3.0 24V	EZ30	180	2003	
	TOYOTA	87139-28010	SUBARU	OUTBACK II 2.5 16V	EJ25	121	2004	2009
	TOYOTA	87139-32010	SUBARU	OUTBACK II 3.0 24V	EZ30	180	2004	2009
	FRAM	CF9846	TOYOTA	4RUNNER 4.0	V6 4.0LTS 24 VALVE DOHC VVT-I 1GR-FE	183	2003	2008
	LUBER-FINER	CAF1764	TOYOTA	CAMRY 2.4	4L 2.4LTS	112	2002	2006
	MAHLE	LA131	TOYOTA	CAMRY 3.0	V6 3.0LTS 1MZ-FE	142	2000	2002
	MANN	CU2131	TOYOTA	FJ CRUISER 4.0	V6 4.0LTS DOHC 24V VVT-I 1GR-FE	178	2007	2009
	PUROLATOR	C35516	TOYOTA	FORTUNER 4.0	V6 4.0LTS DOHC 24V VVT-I 1GR-FE	183	2006	2010
	SAKURA	CA1101	TOYOTA	SIENNA 3.3	V6 3.3LTS 3MZ-FE	168	2004	2006

MC-99499	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 20 mm L = 235 mm W = 110 mm	HYUNDAI	97163-59000	HYUNDAI	H350 II 2.5 CRDI	D4CB	110	2015	
	HENGST	E4949LI-2	HYUNDAI	H350 II 2.5 CRDI	D4CB	125	2015	



SECADORES DE AIRE

Moisture is a huge enemy of pneumatic brake systems. Moisture seizes the pipings and containers, contaminates lubricants, and freezes at low temperatures. Millard air-drying filters remove moisture to give a non-stop operating pneumatic system, protecting the pipes and tanks and preventing premature wear.

La humedad es un gran enemigo de los sistemas neumáticos de frenos. La humedad daña las tuberías y depósitos, contamina los lubricantes y se congela a baja temperatura. Los filtros de secado de aire Millard eliminan esa humedad del aire para proporcionar un funcionamiento ininterrumpido de los sistemas neumáticos del vehículo, protegiendo sus tuberías y depósitos de corrosión y retrasando el desgaste de los componentes.

MD-1374



H = 166 mm
OD = 145 mm
TH = M39x1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	A 000 429 08 97	FREIGHTLINER	CENTURY CLASS S,T	CUMMINS ISX			
MERCEDES BENZ	A 000 429 10 97	FREIGHTLINER	COLUMBIA	CAT C15			
RENAULT TRUCKS	50 01 004 902	INTERNATIONAL	WORKSTAR 7700	MAXX FORCE 13			
SCANIA	137 5997	IVECO	TRAKKER 410	CURSOR 13	302	2006	
VW GROUP	2TA 607 413	IVECO	TRAKKER 420	CURSOR 13	309	2006	
BALDWIN	BA5374	VOLKSWAGEN	24.250	ISBE 6.0		2003	
DONALDSON	P781466	VOLKSWAGEN	26.310	6CTAA	223	2001	2005
FLEETGUARD	AF27817	VOLKSWAGEN	8.120	MWM 4.10 TCA	88	2000	2005
FRAM	PFA5693	VOLVO	FH 12-380	D12C	279	1998	
MANN	TB 1374 X	VOLVO	FH 12-420	D12C	309	1998	

MD-45491



H = 180 mm
OD = 140 mm
TH = G1 1/4

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
RENAULT TRUCKS	50 01 843 522	SCANIA	114 SERIES, P114	DC11			
RENAULT TRUCKS	50 21 170 077	SCANIA	114 SERIES, R114	DC11			
SCANIA	138 4549	SCANIA	124 SERIES, P124	DT12 02-08			
SCANIA	145 5253	SCANIA	94 SERIES, P94	DSC9			
BALDWIN	BA5375	SCANIA	G SERIES, G230	DC9 16-230			
DONALDSON	P783753	SCANIA	G SERIES, G250	DC9			
FLEETGUARD	AD27745	SCANIA	G SERIES, G270	DC9 17-270			
HENGST	T300W	SCANIA	G SERIES, G280	DC9			
MAHLE	AL 14D	SCANIA	P SERIES, P340	DC11 08-340			
MANN	TB 1374/3 X	SCANIA	P SERIES, P380	DC11 09-380			



FILTROS DE AIRE

Air is the most important fluid for the vehicle performance. The efficient working 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 de aire Millard® representan el equilibrio perfecto entre naturaleza y tecnología.

MK-0C010



H = 174 mm
OD = 222 mm
ID1 = 120 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-0C010	MAZDA	BT-50 2.5 D	WLC	105	2007	2009
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
DONALDSON	P902609	TOYOTA	FORTUNER 3.0	1KD-FTV		2006	2012
FLEETGUARD	AF26501	TOYOTA	FORTUNER 3.0	5L-E		2005	2013
FRAM	CA9916	TOYOTA	HILUX 2.5	2KD-FTV		2005	2015
LYS	AFL4810HD	TOYOTA	HILUX 2.5 D4-D	2KD-FTV		2005	2011
MANN	C23107	TOYOTA	HILUX 2.7	4L 2.7LTS VVT-I DOHC 16V 2TR-FE	119	2006	2013
PUROLATOR	AFP5155	TOYOTA	HILUX 3.0	5L-E		2004	2015
SAKURA	A-5903	TOYOTA	HILUX 3.0 D4-D	4 CIL 3.0L 1KD-FTV		2013	2015

MK-10118



H = 31 mm
L = 327 mm
W = 166 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHRYSLER	04891694AA	DODGE	CALIBER	L4 1.8L		2007	2010
CHRYSLER	104891695AA	DODGE	CALIBER	L4 2.0L		2007	2010
CHRYSLER	4891694AA	DODGE	CALIBER	L4 2.4L		2007	2010
FRAM	CA10118	JEEP	COMPASS	L4 2.0L		2007	2010
LUBER-FINER	AF4012	JEEP	COMPASS	L4 2.4L		2007	2010
MAHLE	LX2919	JEEP	PATRIOT	L4 2.0L		2007	2010
MANN	C 33 007	JEEP	PATRIOT	L4 2.4L		2007	2010
PUROLATOR	A25635						
SAKURA	A-3601						

MK-10224



H = 451 mm
OD = 303 mm
ID1 = 170 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
RENAULT TRUCKS	50 21 107 540	SCANIA	114 SERIES, P114	DC 11 - EURO 3			
SCANIA	1421022	SCANIA	114 SERIES, P114	DSC11 - EURO 2			
SCANIA	1728667	SCANIA	124 SERIES, P124	DC12 03 - EURO 3-1			
SCANIA	1869993	SCANIA	124 SERIES, P124	DC 12 - EURO 3			
BALDWIN	RS30142	SCANIA	94 SERIES, P94	DC9 - EURO 3			
DONALDSON	P953211	SCANIA	94 SERIES, P94	DSC9 - EURO 2			
FLEETGUARD	AF25314	SCANIA	G SERIES, G230	DC9 16-230 - EURO 4			
LUBER-FINER	LAF8088	SCANIA	G SERIES, G250	DC9 - EURO 6			
MANN	C 30 1240	SCANIA	P SERIES, P230	DC 9 - EURO 3			
SAKURA	A-8603	SCANIA	P SERIES, P230	DC 9 - EURO 5 EEV			

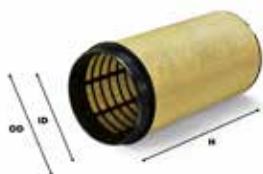
MK-11154



H = 416 mm
OD = 334 mm
ID1 = 212 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
RENAULT TRUCKS	74 21 243 188	RENAULT TRUCKS	T 440	DT113 EURO 6			
VOLVO	21115483	RENAULT TRUCKS	T 480	DT113 EURO 6			
VOLVO	21243188	RENAULT TRUCKS	T 520	DT113 EURO 6			
BALDWIN	RS5730	VOLVO	FH 420	D13C-420			
DONALDSON	P951102	VOLVO	FH 460	D13C-460			
FLEETGUARD	AF27970	VOLVO	FH 500	D13B,C-500			
MANN	C 33 1460/1	VOLVO	FH 540	D13C-540			
SAKURA	A-71400	VOLVO	FH II 420	D13C-420, D13K-420 E6			
SAKURA	A-71401	VOLVO	FH II 460	D13C-460, D13K-460 E6			
		VOLVO	FH II 500	D13C-500, D13K-500 E6			

MK-11155



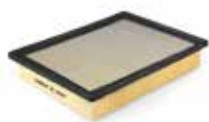
H = 384 mm

OD = 195 mm

ID = 172 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VOLVO	21115501	RENAULT TRUCKS	T 440	DT113 EURO 6			
BALDWIN	RS5731	RENAULT TRUCKS	T 480	DT113 EURO 6			
DONALDSON	P954476	RENAULT TRUCKS	T 520	DT113 EURO 6			
FLEETGUARD	AF4187	VOLVO	FH 420	D13C-420			
MAHLE	LXS 300	VOLVO	FH 460	D13C-460			
MANN	CF 1940	VOLVO	FH 500	D13B,C-500			
SAKURA	A-71410	VOLVO	FH 540	D13C-540			
TECFIL	ASR574	VOLVO	FH II 420	D13C-420, D13K-420 E6			
		VOLVO	FH II 460	D13C-460, D13K-460 E6			
		VOLVO	FH II 500	D13C-500, D13K-500 E6			

MK-12587



H = 58 mm

L = 322 mm

W = 238 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-0L040	TOYOTA	HILUX 2.4 D	2GD-FTV	110	2015	
TOYOTA	17801-0L050	TOYOTA	HILUX 2.8	1GD-FTV	132	2015	
DONALDSON	P903541	TOYOTA	HILUX 2.8 D	1GD-FTV	132	2015	
FLEETGUARD	AF4276						
FRAM	CA12055						
LYS	AFL1000HD						
MAHLE	LX 4368						
MANN	C 33 017						
PUROLATOR	AF-3740						
SAKURA	A-33740						

MK-12968



H = 38 mm

L = 260 mm

W = 206 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	9041833	CHEVROLET	SAIL 1.4	S-TEC III	102	2012	
BOSCH	0986AF2839						
LYS	AFL4183						
MAHLE	LX 3186						
PUROLATOR	AFP-5233						
PUROLATOR	FA-41833						
SAKURA	A-65660						

MK-14890



H = 410 mm

OD = 324 mm

ID = 150 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VOLVO	21834199	VOLVO	B7R	D7E-290	213	2006	
BALDWIN	RS4966						
DONALDSON	P782857						
FLEETGUARD	AF25631						
FRAM	CA9581						
LUBER-FINER	LAF8838						
MAHLE	LX 1587						
MANN	C 31 1345/1						
PUROLATOR	AF-10332						
SAKURA	A-7122						

MK-15643



H = 59 mm
L = 269 mm
W = 174 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	PA4402	HYUNDAI	SANTA FE	V6 2.7LTS DOHC	125	2001	2006
LUBER-FINER	AF4021	HYUNDAI	SANTA FE 2.2 CRDI		102	2006	2009
		HYUNDAI	SANTA FE 2.7	2.7L V6	189	2006	2009
		HYUNDAI	SANTA FE 3.3	G6DB		2006	2009

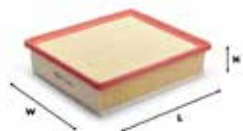
MK-16553



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

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-EB70A	NISSAN	NAVARA 2.5	YD25DDTI	128	2009	2012
SAKURA	A1880	NISSAN	NAVARA 2.5 D	YD25DDTI	98	2005	2009

MK-16893



H = 68 mm
L = 287 mm
W = 248 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-00QAD	RENAULT	MASTER II 2.5 DCI 16V	G9U-750	114	2005	2012
NISSAN	16546-00QAT						
RENAULT	8200259359						
RENAULT	8200505566						
FRAM	CA9991						
MAHLE	LX1656						
MANN	C29168						
PUROLATOR	A49121						

MK-17246



H = 281 mm
OD = 232 mm
ID1 = 119 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHRYSLER	42796	MITSUBISHI	CANTER FE 639	4 CIL 3.9L 4D34		1996	2004
MITSUBISHI	ME017246	MITSUBISHI	CANTER FE 649	4 CIL 3.9L 4D34		1996	2004
BALDWIN	RS4806						
DONALDSON	P500191						
FRAM	CA9245						
LYS	AFL1207HD						
MANN	C23562						
PUROLATOR	AF10250						
SAKURA	A1088						

MK-18143



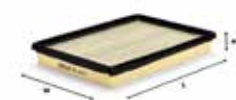
H = 406 mm

OD = 309 mm

ID = 250 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
INTERNATIONAL (IHC)	3551814C1	INTERNATIONAL	ENGINES MAXX FORCE DT	MAXX FORCE DT		2010	
BALDWIN	RS4862	INTERNATIONAL	PROSTAR	CAT C15			
DONALDSON	P613336	INTERNATIONAL	PROSTAR	CUMMINS ISX			
FLEETGUARD	AF26103	INTERNATIONAL	PROSTAR	MAXX FORCE 11			
FRAM	CA10305	INTERNATIONAL	PROSTAR	MAXX FORCE 13			
LUBER-FINER	LAF6663	INTERNATIONAL	PROSTAR	MAXX FORCE 15			
PARTMO	AP4862	INTERNATIONAL	TRANSTAR	CUMMINS ISM			
PUROLATOR	A65913	INTERNATIONAL	TRANSTAR 8500	HT570			
SAKURA	A-5440	INTERNATIONAL	TRANSTAR 8500	MAXX FORCE 10			

MK-18777



H = 41 mm

L = 289 mm

W = 210 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHRYSLER	05018777AA	JEEP	CHEROKEE LIBERTY	V6 3.7LTS SOHC 12 VALVE	160	2002	2007
CHRYSLER	5018777AA	JEEP	COMMANDER	V8 5.7LTS HEMI	246	2007	2008
BOSCH	1987429189	JEEP	GRAND CHEROKEE	V8 4.7LTS	175	2005	2008
FRAM	CA8817						
LUBER-FINER	AF3588						
LYS	AFL777						
MAHLE	LX1662						
MANN	C2975						
PUROLATOR	A35414						
SAKURA	A6609						

MK-19489



H = 34 mm

L = 296 mm

W = 237 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
KIA	28113-3E000	KIA	SORENTO	V6 3.5LTS	143	2003	2006
KIA	28113-3E500	KIA	SORENTO 2.5	D4CB		2002	2009
FRAM	CA9525	KIA	SORENTO 3.3	G6DB		2006	2009
LUBER-FINER	AF2441						
MAHLE	LX 2639						
MAHLE	LX1955						
MANN	C3033						
PUROLATOR	A35517						
SAKURA	A2844						

MK-21050



H = 53 mm

L = 241 mm

W = 177 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-0D060	TOYOTA	COROLLA 1.6 DOHC VVT-I	3ZZ-FE	140	2009	2010
TOYOTA	17801-21050	TOYOTA	COROLLA 1.6	4L 1.6LTS 16V VVT-I 1ZR-FE	92	2009	2013
FRAM	CA10190	TOYOTA	COROLLA 1.8	2ZR-FAE		2012	
MAHLE	LX 2792	TOYOTA	COROLLA 1.8	2ZR-FE		2013	
MAHLE	LX2792	TOYOTA	COROLLA 1.8	4L 1.8LTS VVT-I 16 VALVE 2ZR-FE	98	2009	2013
MANN	C24005	TOYOTA	COROLLA 1.8	4L 1.8LTS VVT-I 16 VALVE 2ZR-FE	98	2009	2013
PUROLATOR	A25655	TOYOTA	COROLLA 1.8 VVT-I	1ZZ-FE	92	2000	2008
PUROLATOR	AFP21050	TOYOTA	VITZ 1.3 VVT-I	2NZ-FE	62	1999	
SAKURA	A-3301	TOYOTA	VITZ 1.5 VVT-I	1NZ-FE	76	2000	
		TOYOTA	YARIS 1.3	2NZ-FE	63	2000	2001

MK-21204



H = 30 mm

L = 215 mm

W = 269 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	04C 129 620 A	AUDI	A1 1.0 TFSI	CHZE	60	2016	
BOSCH	F026400611	AUDI	A1 30 TFSI 1.0	DKJA, DKRF	85	2018	
FRAM	CA12017	AUDI	A3 30 TFSI 1.0	CHZD	85	2016	
HENGST	E1333L	AUDI	Q2 30 TFSI 1.0	CHZJ, DKRF	85	2016	
MAHLE	LX 4246	VOLKSWAGEN	GOLF VII 1.0	DHSA, DHSB	92	2016	
MANN	C 22 035	VOLKSWAGEN	POLO IV 1.0	EA211	94	2017	
TECFIL	ARL6076	VOLKSWAGEN	T-CROSS 1.0 TSI	DHSB	94	2019	
		VOLKSWAGEN	UP! 1.0 TSI	EA211	77	2015	
		VOLKSWAGEN	VIRTUS 1.0	EA211	94	2018	

MK-22017



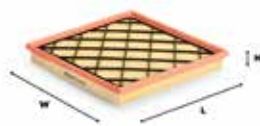
H = 52 mm

L = 257 mm

W = 198 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HONDA	17220-R5A-A00	HONDA	CR-V IV 2.4	K24A		2012	
HONDA	17220-R5A-A01	HONDA	CR-V IV 2.4	K24A1	119	2012	
BALDWIN	PA4468	HONDA	CR-V IV 2.4	K24Z	147	2012	
FRAM	CA11258	HONDA	CR-V IV 2.4	K24Z6	157	2012	
LUBER-FINER	AF5210	HONDA	CR-V IV 2.4	K24Z7	138	2012	
PUROLATOR	A36274	HONDA	CR-V IV 2.4	K24Z9	141	2012	
SAKURA	A-90080						

MK-25175



H = 36 mm

L = 248 mm

W = 256 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	PA4454	CHEVROLET	CRUZE 1.8 16V FLEX	N18XFF	106	2011	
FRAM	CA10879						
FRAM	CA10990						
LUBER-FINER	AF3145						
MAHLE	LX 2882						
MANN	C 26 108						
PUROLATOR	A36163						
SAKURA	A-65430						

MK-25252



H = 50 mm

L = 268 mm

W = 189 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-4H000	HYUNDAI	H1 GRAND STAREX 2.5TCI			2008	
BOSCH	0986AF2204	HYUNDAI	H1 STAREX 2.5	D4CB		2009	
LYS	AFL1134	HYUNDAI	H1 STAREX 2.5	D4CB-W		2008	
MAHLE	LX2994	HYUNDAI	H1 TQ 2.5	2.5 SOHC 8V	98	2007	2012
SAKURA	A28550						

MK-253



H = 290 mm

OD = 162 mm

ID1 = 72 mm

ID2 = 18 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-44000	HYUNDAI	GRACE	4 CIL 2.5L D4BA		1995	2000
MAHLE	MD603346	HYUNDAI	GRACE	4 CIL 2.5L D4BF		1995	2000
DONALDSON	P101222	HYUNDAI	H-100 VAN	2.5L		2002	
FRAM	CAK253	MERCEDES-BENZ	BUS 366	6L		1998	1999
LYS	AFL1222HD	NISSAN	CARAVAN 3.0 DI	ZD30DDTI	113	2002	2007
MAHLE	LX16	NISSAN	HOMY	4 CIL 2.0L KA20DE		1999	2003
MANN	C 14 140	NISSAN	URVAN 2.5 D	TD25		2001	2009
PUROLATOR	A42030						
SAKURA	A1014						
SAKURA	A-2809						

MK-25920



H = 59 mm

L = 260 mm

W = 94 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
SUZUKI	13780-65L00	SUZUKI	KARIMUN ESTILO 1.0	K10B		2012	
SUZUKI	13780-76M00	SUZUKI	KARIMUN ESTILO 1.1			2011	
HENGST	E1356L						
MAHLE	LX 3154						
MANN	C 26 036						
PUROLATOR	FA-650						
SAKURA	A-14480						

MK-26123



H = 56 mm

L = 263 mm

W = 132 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-1G100	HYUNDAI	ACCENT 1.4			2006	2011
KIA	28113-14000	HYUNDAI	ACCENT 1.5 CRDI	D4FA	75	2006	2011
KIA	28113-1G000	HYUNDAI	ACCENT 1.6	G4ED	82	2008	2009
FRAM	CA10088	HYUNDAI	ACCENT 1.6	G4EDG	76	2006	2011
LUBER-FINER	AF4003	HYUNDAI	ACCENT III 1.4	G4EE	71	2005	2006
LYS	AFL3736	KIA	RIO 1.4	G4EE		2005	
MAHLE	LX1808	KIA	RIO 1.5 CRDI	D4FA	75	2006	2010
MANN	C 2628	KIA	RIO 1.6	G4ED		2005	
PUROLATOR	AFP3736	KIA	RIO XCITE 1.6	G4ED	82	2006	2009
SAKURA	A-2843						

MK-26240



H = 70 mm

L = 315 mm

W = 158 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MAHLE	MZS13016	SUZUKI	APV 1.6	G16A		2004	2015
SUZUKI	13780-61J00						
LYS	AFL2093						
PUROLATOR	FA-6100						
SAKURA	A-1429						

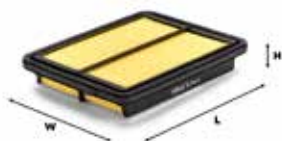
MK-26934



H = 72 mm
L = 160 mm
W = 195 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	8V21 9601 AA	FORD	ECOSPORT 1.6		85	2017	
MAZDA	Y645-13Z40A	FORD	ECOSPORT 1.6		96	2017	
FRAM	CA10653	FORD	ECOSPORT 1.6 16 FLEX		81	2012	2017
MAHLE	LX2633	FORD	FIESTA VI 1.5 16V		82	2013	
MANN	C 17 006	FORD	FIESTA VI 1.6 16V		94	2016	
SAKURA	A-19880	FORD	FIESTA VI 1.6 16V FLEX		96	2010	
		FORD	KA III 1.0 12V FLEX		63	2014	
		FORD	KA III 1.5 16V FLEX		81	2014	

MK-27672



H = 36 mm
L = 196 mm
W = 148 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-5RA0A	NISSAN	KICKS 1.6	HR16DE	88	2016	
SAKURA	A-61610						
TECFIL	ARL1659						

MK-29620



H = 407 mm
OD = 262 mm
ID1 = 150 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	BF6X 9601 A	EVOBUS (MERCEDES-BENZ, SETRA)	SERIE 17, OF 1721	OM 924 LA		2012	
MERCEDES BENZ	634 528 03 06	EVOBUS (MERCEDES-BENZ, SETRA)	SERIE 18, OF 1722	OM 906 LA		1998	
VW GROUP	2S0 129 620	FORD	1722 E	ISBE		2006	
BALDWIN	RS5627	FORD	1723	ISB 6.7	169	2012	
DONALDSON	P618941	FORD	2422 E	ISBE		2006	
FRAM	CA5626PU	FORD	2429	ISB	213	2012	
MANN	C 27 830	FORD	2629	ISB 6.7	213	2012	
PUROLATOR	AF-10325	VOLKSWAGEN	13.170 E	ISBE 4.0		2003	
SAKURA	A-5328	VOLKSWAGEN	15.170 E	ISBE 4.0		2003	
		VOLKSWAGEN	17.250 E	ISBE 6.0		2003	

MK-29766



H = 54 mm
L = 256 mm
W = 164 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-25000	HYUNDAI	IX 35 1.7			2010	
HYUNDAI	28113-2S000	HYUNDAI	TUCSON 2.0	D4EA		2009	
HYUNDAI	28113-3Z100	HYUNDAI	TUCSON 2.0	G4KC	119	2010	
FRAM	CA10889	HYUNDAI	TUCSON 2.0	G4KD		2010	
HENGST	E1088L	HYUNDAI	TUCSON 2.0 CRDI		135	2010	
MAHLE	LX2869	KIA	CARENS 1.7	D4FD		2012	2016
MANN	C26008	KIA	CARENS 1.7	D4FD		2016	
SAKURA	A28590	KIA	RONDO 1.7	D4FD		2013	2017
		KIA	SPORTAGE 2.0 CRDI			2010	
		KIA	SPORTAGE R	2.0L 16V DOHC D-CVVT	166	2010	2012

MK-30281



H = 308 mm

OD = 235 mm

ID1 = 130 mm

ID2 = 24 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28130-5A500	HYUNDAI	COUNTY 3.9	D4DD	89	2004	
LYS	AFL5500HD	HYUNDAI	HD35 2.5	D4GA			
MAHLE	LX 3779	HYUNDAI	HD65C	D4DB			
PARTMO	AP5A500	HYUNDAI	HD72 4.0	D4DB		2009	
PUROLATOR	AF-10498	HYUNDAI	HD78 3.9	D4DD	103		
SAKURA	A-28650	HYUNDAI	HD78C 4.0	D4GA	127		
TECFIL	ARS2813						

MK-30684



H = 49 mm

L = 197 mm

W = 186 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-2H000	HYUNDAI	I30	1.4L D4FAE		2007	2011
KIA	28113-2H000	HYUNDAI	I30	1.6L G4FC		2007	2011
FRAM	CA10470	HYUNDAI	I30	1.6L G4FC		2007	2011
LYS	AFL2087	KIA	CEEÂ 'D 1.6	D4FB	85	2006	2012
MAHLE	LX 2752						
MANN	C2029						
SAKURA	A2847						

MK-32279



H = 49 mm

L = 224 mm

W = 305 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
GM	90799322	CHEVROLET	SAIL III 1.3	LEW	76	2014	
PUROLATOR	FA-9322	CHEVROLET	SAIL III 1.5	L2B	83	2014	

MK-32718



H = 235 mm

OD = 121 mm

ID1 = 76 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BMW	13 71 8 509 032	MINI	1.6 DIESEL	N47C16A			
BOSCH	F026400367	MINI	1.6 DIESEL	N47C16A			
FRAM	CA11211	MINI	2.0 D	N47C20A			
HENGST	E1065L	MINI	2.0 D	N47D20C			
MAHLE	LX 3251	MINI	2.0 SD	N47C20A			
MANN	C 1287	MINI	2.0 SD	N47C20A			

MK-32748



H = 190 mm
OD = 146 mm
ID1 = 75 mm
ID2 = 75 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-2S600	NISSAN	AX 3.2 D	QD32	76	1998	2005
NISSAN	16546-2S602	NISSAN	FRONTIER	2.7L TD-27 PETROL		1997	1999
LUBER-FINER	AF2341	NISSAN	FRONTIER 3.2 D	QD32	76	2005	
LYS	AFL2601HD	NISSAN	FRONTIER D-22 2.5	YD25DDTI	98	2002	2009
MAHLE	LX 3812						
MAHLE	LX2000						
PUROLATOR	AFP5126						
SAKURA	A-8548						

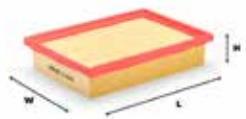
MK-32772



H = 78 mm
L = 274 mm
W = 100 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-0X200	HYUNDAI	I10 1.1			2008	
FRAM	CA11201	HYUNDAI	I10 1.2	G4LA	57	2008	2014
HENGST	E1123L	HYUNDAI	I20 1.2			2009	2014
MAHLE	LX 2963						
MANN	C 27 014						
SAKURA	A-28630						

MK-32823



H = 50 mm
L = 241 mm
W = 171 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	PA10039	CHEVROLET	SONIC 1.6 16V		85	2012	
FRAM	CA11222	CHEVROLET	SONIC 1.6 LT 16V DOHC		86	2013	2015
LUBER-FINER	AF5209						
MAHLE	LX 1997						
MANN	C 24 028						
PUROLATOR	FA-50990						
SAKURA	A65490						
TECFIL	ARL8829						

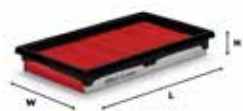
MK-33258



H = 136 mm
OD = 258 mm
ID1 = 190 mm
ID2 = 82 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-4F000	HYUNDAI	H100 2.5	4D56		2004	
LUBER-FINER	LAF5604	HYUNDAI	H100 2.5	4D56		2006	
LYS	AFL1524HD	HYUNDAI	H100 2.6	D4BB		2004	
MAHLE	LX 3236	HYUNDAI	PORTER 2.5	D4CB	103	2003	2016
MANN	C 25 010						
PUROLATOR	AFP-5158						
SAKURA	A-28530						
TECFIL	AR8113						

MK-35681



H = 34 mm

L = 231 mm

W = 135 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-ED000	NISSAN	MARCH 1.5	HR15DE		2013	
NISSAN	16546-ED500	NISSAN	SUNNY 1.5	HR15DE		2014	
BALDWIN	PA4442	NISSAN	TIIDA 1.5	HR15DE		2004	2012
FRAM	CA10234	NISSAN	TIIDA 1.6	HR16DE		2007	
LUBER-FINER	AF4023	NISSAN	TIIDA 1.6	HR16DE		2007	
MAHLE	LX1631	NISSAN	TIIDA 1.6	MR16DE		2004	
MANN	C 2420	NISSAN	TIIDA 1.8	HR18DE		2007	
PUROLATOR	A15669	NISSAN	TIIDA 1.8	MR18DE		2007	
SAKURA	A1878	NISSAN	VERSA 1.8	MR18DE		2008	

MK-36450



H = 246 mm

OD = 180 mm

ID1 = 110 mm

ID2 = 110 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
KIA	O K6B0 23603	KIA	K2700	4L 2.7LTS		2001	2005
KIA	OK6B0-23-603						
LYS	AFL23603						
MAHLE	LX 3486						
MANN	C 18 209						
PUROLATOR	AF-10347						
PUROLATOR	FA-23603						
SAKURA	A-2935						
TECFIL	AR1017						

MK-37556



H = 541 mm

OD = 242 mm

ID1 = 148 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	2456375	CATERPILLAR	966D			2011	
VOLVO	24424482	CATERPILLAR	966D			2011	
VOLVO	3840036	CATERPILLAR	966E			2011	
BALDWIN	RS3996	CATERPILLAR	966E			2011	
DONALDSON	P782105	CATERPILLAR	966F			2011	
FLEETGUARD	AF26399	CATERPILLAR	IT62H	C7			
FRAM	CA11345	VOLVO	ABG5820	TCD2013 L04 2V		2012	
LUBER-FINER	LAF6098	VOLVO	ABG6820	TCD2013 L04 2V		2012	
MANN	C 25 710/3	VOLVO	ABG8820	TCD2013			
PUROLATOR	AF-10487						

MK-37557



H = 520 mm

OD = 139 mm

ID1 = 120 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	2456376	CATERPILLAR	966E			2011	
VOLVO	3842043	CATERPILLAR	966F			2011	
VOLVO	56283534	CATERPILLAR	IT62H				
BALDWIN	RS3997	CATERPILLAR	IT62H			2011	
DONALDSON	P782108	CATERPILLAR	IT62H	C7			
FLEETGUARD	AF26400	CATERPILLAR	IT62H	CAT C7C1-UP			
FRAM	CA11345SY	VOLVO	ABG5820	TCD2013 L04 2V		2012	
LUBER-FINER	LAF6099	VOLVO	ABG6820	TCD2013 L04 2V		2012	
MANN	CF 710	VOLVO	ABG8820	TCD2013			
TECFIL	ASR547						

MK-38183



H = 30 mm
L = 235 mm
W = 179 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-0X000	HYUNDAI	I10 1.1	G3LA		2013	
HYUNDAI	28113-0X500	HYUNDAI	I10 1.2	G4LA	57	2008	2014
FRAM	CA10630						
HENGST	E1076L						
LYS	AFL2158						
MAHLE	LX 2649						
MANN	C 24 010						
PUROLATOR	FA-1130						
SAKURA	A-28510						

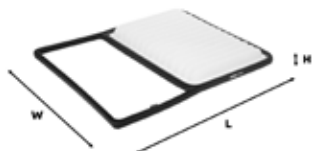
MK-39235



H = 52 mm
L = 262 mm
W = 188 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28130-59000	HYUNDAI	H350 II 2.5 CRDI	D4CB	110	2015	
HENGST	E1443L	HYUNDAI	H350 II 2.5 CRDI	D4CB	125	2015	
MAHLE	LX 3528						
MANN	C 26 039						

MK-39750



H = 33 mm
L = 304 mm
W = 253 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DAIHATSU	17801-B1010	DAIHATSU	BEGO 1.5	3SZ-FE		2006	2016
TOYOTA	17801-B1010	DAIHATSU	TERIOS 1.5 BEGO	1.5 DOHC 16V DVV 3SZ-VE			
FRAM	CA11241	TOYOTA	RUSH 1.5	3SZ-FE		2006	2013
MAHLE	LX 2029						
MAHLE	LX2029						
PUROLATOR	A-31008						
SAKURA	A3308						

MK-40204



H = 59 mm
L = 218 mm
W = 234 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	651 094 02 04	MERCEDES-BENZ	A 160 CDI BLUEEFFICIENCY	OM 607.951			
MERCEDES BENZ	A 651 094 02 04	MERCEDES-BENZ	A 180 CDI BLUEEFFICIENCY 1.5	OM 607.951			
FRAM	CA11304	MERCEDES-BENZ	A 180 CDI BLUEEFFICIENCY 1.8	OM 651.901			
HENGST	E1061L	MERCEDES-BENZ	A 200 CDI 1.8 BLUEEFFICIENCY	OM 651.901			
MAHLE	LX 3471	MERCEDES-BENZ	B 160 CDI BLUEEFFICIENCY	OM 607.951			
MANN	C 22 020	MERCEDES-BENZ	B 180 CDI 1.5 BLUEEFFICIENCY	OM 607.951			
SAKURA	A-26420	MERCEDES-BENZ	B 220 CDI BLUEEFFICIENCY	OM 651.930			
		MERCEDES-BENZ	B 220 CDI BLUEEFFICIENCY	OM 651.930			
		MERCEDES-BENZ	CLA 200 CDI	OM 651.930			
		MERCEDES-BENZ	CLA 220 CDI	OM 651.930			

MK-40388



H = 415 mm

OD = 327 mm

ID = 197 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VOLVO	8076195	VOLVO	VN SERIES	CUMMINS ISX			
BALDWIN	RS3740	VOLVO	VN SERIES	DETROIT DIESEL SERIES 60			
DONALDSON	P540388	VOLVO	VN SERIES	VOLVO VED12			
FLEETGUARD	AF25435	VOLVO	VN430	CUMMINS ISX			
FRAM	CA8598	VOLVO	VN430	VOLVO VED12			
LUBER-FINER	LAF5722	VOLVO	VN780	CUMMINS ISX			
SAKURA	A-71510	VOLVO	VNL 420	VOLVO VED12			
		VOLVO	VNL 420	VOLVO VED12			
		VOLVO	VNL 430	CUMMINS ISX			
		VOLVO	VNL 430	VOLVO VED12			

MK-40625



H = 54 mm

L = 204 mm

W = 256 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	000 090 07 00	NISSAN	NAVARA 2.5	YD25DDT		2015	
MERCEDES BENZ	000 094 00 00	NISSAN	NP 300 2.5	YD25DDT1		2014	
NISSAN	16546-4JA1A						
NISSAN	16546-4KV0A						
RENAULT	16546-4JA1B						
LYS	AFL217I						
MAHLE	LX 4404						
MANN	C 21 001						
PUROLATOR	AFP-21001						
SAKURA	A-61530						

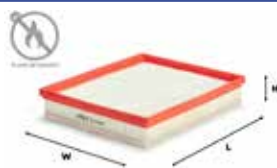
MK-41558



ESTE ARTÍCULO ES UN
SET, POR FAVOR MIRAR
LAS MEDIDAS DE SU
COMPONENTES
MK-41556 Y MK-41557

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ASHOK LEYLAND	F7B 011 00	DENNIS TRUCKS, DENNIS EAGLE	HCTP 290	D7E-290			
ASHOK LEYLAND	X8830400	DENNIS TRUCKS, DENNIS EAGLE	P2 290	D7E-290			
CUMMINS	5005194	LIEBHERR	R 950				
TATA	2786 0913 9936	RENAULT TRUCKS (RVI)	270	DXI7			
TATA	8854 2101 2518	RENAULT TRUCKS (RVI)	310	DXI7			
FLEETGUARD	AH8852UO						

MK-43065



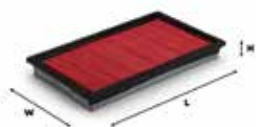
H = 51 mm

L = 241 mm

W = 206 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CITROËN	98 023 486 80	CITROEN	BERLINGO 1.6	DV6FD		2015	2019
PEUGEOT	98 023 486 80	CITROEN	C4 CACTUS 1.6	DV6FD		2014	
BOSCH	F026400511	CITROEN	C4 PICASSO 1.6	DV6FC		2014	
FRAM	CA12034	CITROEN	C-ELYSEE 1.6	DV6FC		2015	
HENGST	E1289L	CITROEN	DS4 1.6	DV6FC		2014	
MAHLE	LX 3987	PEUGEOT	2008 1.6	DV6FC		2014	
MANN	C 24 017	PEUGEOT	3008 1.6	DV6FC		2014	
TECFIL	ARL5073	PEUGEOT	5008 1.6	DV6FC		2014	
		PEUGEOT	508 1.6	DV6FC		2016	
		TOYOTA	PROACE 1.6	3WZ-HV		2016	

MK-4309



H = 35 mm

L = 281 mm

W = 168 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-V0100	NISSAN	MURANO 3.5 (24V) DOHC	VQ35DE		2002	2007
NISSAN	16546-W2900	NISSAN	NOTE 1.5	HR15DE	75	2005	
FRAM	CA4309	NISSAN	PATHFINDER	V6 3.3LTS	127	1996	2000
LUBER-FINER	AF293	NISSAN	PATHFINDER	V6 3.5LTS	190	2001	2004
LYS	AFL462	NISSAN	PRIMERA 1.6	4 CIL 1.6L QD16DE		2002	2003
MAHLE	LX307	NISSAN	SENTRA 1.3	4 CIL 1.3L GA13DE		1999	2004
MANN	C 2964	NISSAN	SENTRA 1.4	4 CIL 1.4L GA14DE		1999	2002
PUROLATOR	A24278	NISSAN	SENTRA 1.5	4 CIL 1.5L GA15DE		1999	2004
PUROLATOR	AF4278	NISSAN	SENTRA B-15	QG18DE	94	2000	2006
SAKURA	A1507	NISSAN	SENTRA B16	4L 2.0LTS 16 VALVE DOHC CVT MR20DE	105	2007	2008

MK-43250



H = 343 mm

OD = 215 mm

ID1 = 121 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	17801-3360P	HINO	300 SERIES	N04C-UV	110	2002	2011
DONALDSON	P503360	HINO	500 SERIES	J05D-TG			
FLEETGUARD	AF26523	HINO	500 SERIES	J07E		2011	
SAKURA	A1324	HINO	BUS 7.7	J08E-T	209	2006	2012
		HINO	RANGER FC	J07E-TC			
		HINO	RANGER FD	J07E-TB			
		HINO	RANGER FD	J07E-TC			
		HINO	RANGER FG235	J08E-TE			
		HINO	RANGER FL235	J08E-TE			
		HINO	SERIE 500, E5 FD7J FD1124	6.4L J07E			

MK-43251



H = 333 mm

OD = 110 mm

ID1 = 80 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	17801-3370	HINO	500 SERIES	J05D-TG			
HINO	17801-3371	HINO	500 SERIES	J07E		2011	
DONALDSON	P503370	HINO	RANGER FC	J07E-TC			
FLEETGUARD	AF26521	HINO	RANGER FD	J07E-TB			
LYS	AFL3361HDR	HINO	RANGER FD	J07E-TC			
PARTMO	API7871SY	HINO	RANGER FG235	J08E-TE			
PUROLATOR	AF-3371	HINO	RANGER FL235	J08E-TE			
SAKURA	A-1326	HINO	SERIE 500, E5 FD7J FD1124	6.4L J07E			
TECFIL	ASR370	HINO	SERIE 500, E5 FD7J FD1126	6.4L J07E			

MK-43252



ESTE ARTÍCULO ES UN SET, POR FAVOR MIRAR LAS MEDIDAS DE SU COMPONENTES MK-43250 Y MK-43251

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	17801-3360+17801-3370	HINO	500 SERIES, E5 FC7J FC1022	6.4L J07E			
SAKURA	A-1324M-S	HINO	500 SERIES, E5 FD7J FD1124	6.4L J07E			
SAKURA	A-1324-S	HINO	500 SERIES, E5 FD7J FD1126	6.4L J07E			
		HINO	500 SERIES, E5 FE7J FE1426	6.4L J07E			
		HINO	500 SERIES, E5 US04 FC6J	4.7L J05D			
		HINO	RANGER FC	J07E-TC			
		HINO	RANGER FD	J07E-TB			
		HINO	RANGER FD	J07E-TC			
		HINO	RANGER FG235	J08E-TE			
		HINO	RANGER FL235	J08E-TE			

MK-4350



H = 188 mm

OD = 250 mm

ID1 = 127 mm

ID2 = 13 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MAZDA	SLA1-13-Z40	MITSUBISHI	CANTER 434	4D31	112	1992	1995
MITSUBISHI	MB120298						
MITSUBISHI	MB120476						
BALDWIN	PA3660FN						
DONALDSON	P533232						
FLEETGUARD	AF4700K						
FRAM	CAK4350						
LUBER-FINER	LAF3232						
PUROLATOR	AF10124						
SAKURA	A1031						

MK-48536



H = 281 mm

OD = 146 mm

ID1 = 86 mm

ID2 = 12 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-30050	TOYOTA	HIACE 2.5	2KD-FTV		2004	2014
BOSCH	0986AF2665	TOYOTA	HIACE 2.5	4 CIL 2.5L 2KDFTV		2004	2004
LYS	AFL30050HD	TOYOTA	HIACE GRAND 3.0 D	1KZ-TE	85	1999	2004
MANN	C15163/1						
PUROLATOR	AF-10516						
SAKURA	A-5904						

MK-4940



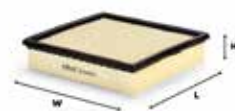
H = 40 mm

OD = 262 mm

ID = 21 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-10030	TOYOTA	COROLLA 1.3 XLI	2E		1995	1997
BALDWIN	PA2207	TOYOTA	TERCEL 1.3	2E		1986	1994
FRAM	CA4940	TOYOTA	TERCEL 1.5	3E		1986	1990
LUBER-FINER	AF370						
LYS	AFL2000						
MAHLE	LX729						
MANN	C2426						
PUROLATOR	A44467						
SAKURA	A-1129						

MK-50034



H = 57 mm

L = 259 mm

W = 232 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	6-98140266-0	ISUZU	D-MAX 1.9	RZ4E-TC		2012	
ISUZU	8-98140266-0	ISUZU	D-MAX 2.5	4JK-1E5		2012	
PARTMO	AP352660	ISUZU	D-MAX 2.5	4JK1-TCS		2013	2013
SAKURA	A15250	ISUZU	D-MAX 3.0	4JJ1-T		2016	2016
SAKURA	A-15251	ISUZU	WIZARD 3.0	4JJ1-TC		2007	

MK-50370



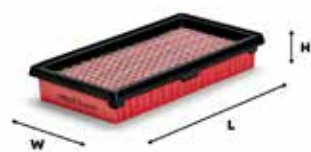
H = 647 mm

OD = 236 mm

ID1 = 147 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	RS4634	MACK	CH SERIES, MACK CH613	MACK ASET AC			
FLEETGUARD	AF26363	MACK	CH SERIES, MACK CH613	MACK ASET AC			
FRAM	CA11489	MACK	CH SERIES, MACK CH613	MACK E7			
LUBER-FINER	LAF5114	MACK	CH SERIES, MACK CH613	MACK E7			
SAKURA	A-72070	MACK	CL SERIES, MACK CL713	CUMMINS ISX			
		MACK	MACK GRANITE	MACK E7			
		MACK	MACK GRANITE	MACK E9			
		MACK	MACK GRANITE	MACK MP7			
		MACK	MACK GRANITE	MACK MP8			
		MACK	MACK GRANITE	MACK MP8			

MK-50458



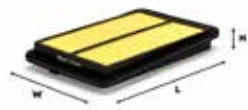
H = 33 mm

L = 231 mm

W = 116 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-1HK0A	NISSAN	MARCH 1.6 16V FLEX	HR16DE	82	2011	
NISSAN	16546-1HK0J	NISSAN	VERSA 1.6 16V FLEX	HR16DE	82	2011	
BALDWIN	PA4469						
FRAM	CA11215						
LUBER-FINER	AF5207						
MANN	C 23 021						
PARTMO	AP31461						
PUROLATOR	A-16202						
SAKURA	A-61440						

MK-50540



H = 37 mm

L = 252 mm

W = 172 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-4BA1A	NISSAN	QASHQAI 1.2	H5FT		2015	
NISSAN	16546-4BA1B	NISSAN	QASHQAI 1.2	HRA2DDT		2013	
NISSAN	16546-4BC1A	NISSAN	QASHQAI 1.5	K9K		2013	
RENAULT	16 54 64B A1A	NISSAN	QASHQAI 1.6	MR16DDT		2013	
BALDWIN	PA10008	NISSAN	ROGUE 2.5	QR25DE		2013	
FRAM	CA11858	NISSAN	ROGUE SPORT 2.0	MR20DD		2017	
LUBER-FINER	AF5235	NISSAN	X-TRAIL 1.6	R9M		2014	
LYS	AFL2167	NISSAN	X-TRAIL 2.0	MR20DD		2014	
MANN	C 25 040						
SAKURA	A-61480						

MK-50620



H = 59 mm

L = 235 mm

W = 164 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-JD20A	NISSAN	QASHQAI 1.6	HR16DE			
NISSAN	16546-JD20B	NISSAN	QASHQAI 1.6 DCI	R9M			
NISSAN	16546-JD20J	NISSAN	QASHQAI 2.0	MR20DE			
NISSAN	16546-JG70A	NISSAN	QASHQAI 2.0 DCI	M9R, MID			
RENAULT	16 54 661 31R	NISSAN	X-TRAIL II 2.0 16V	MR20DE			
BOSCH	F023400126	NISSAN	X-TRAIL II 2.0 DCI	M9R			
FRAM	CA10654	NISSAN	X-TRAIL II 2.0 DCI	M9R760			
MAHLE	LX 1983	RENAULT	KOLEOS 2.0 DCI	M9R			
MANN	C 2433/2	RENAULT	KOLEOS 2.0 DCI	M9R			
SAKURA	A-61360	RENAULT	KOLEOS 2.0 DCI	M9R 830			

MK-51943



H = 72 mm

L = 238 mm

W = 242 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8972519440	MITSUBISHI	L200 SPORTERO 2.5 DI-D	2.5L DI-D	123	2007	2009
ISUZU	8973692930	MITSUBISHI	L200 TRITON 2.5 TDI DI-D	4D56 HP	100	2005	
MITSUBISHI	1500A098	MITSUBISHI	L200 TRITON 3.5 V6	6G74	135	2006	
MITSUBISHI	M1500A098	MITSUBISHI	MONTERO SPORT 2.5 TDI DI-D	4D56 HP	100	2008	
LYS	AFL098	MITSUBISHI	MONTERO SPORT 3.0	V6 3.0LTS SOHC 24 VALVE 6B31 MIVEC	164	2014	2014
MAHLE	LX2834	MITSUBISHI	NATIVA 2.5	4D56		2008	
MANN	C24011	MITSUBISHI	TRITON 3.2	4M41		2006	
PUROLATOR	A35735						
SAKURA	A-1517						

MK-52391



H = 279 mm

OD = 134 mm

ID1 = 76 mm

ID2 = 14 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-54100	NISSAN	URVAN 2.5 D	TD25		2001	2009
TOYOTA	17801-75010	NISSAN	URVAN 3.0 D	3.0L	66	2001	2009
DONALDSON	P500028	TOYOTA	HIACE 2.4	4 CIL 2.4L 2L		1990	1993
FLEETGUARD	AF25380	TOYOTA	HIACE 2.5	4 CIL 2.5L 2KDFTV		2004	2004
FRAM	CA5345	TOYOTA	HIACE 2.5D			1996	1998
LYS	AFL4031HD	TOYOTA	HIACE 2.7	4L 2.7LTS 2TR-FE	113	2007	2008
MAHLE	LX882	TOYOTA	HIACE 2.8 D	3L		1990	1993
MANN	C14177	TOYOTA	HIACE 3.0			2007	2009
PUROLATOR	AF10188	TOYOTA	HIACE 3.0	5L-E		2013	
SAKURA	A-1128	TOYOTA	HIACE COMMUTER 3.0 D	5L	65	1998	2004

MK-52425



H = 40 mm

L = 275 mm

W = 199 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-2P300	HYUNDAI	SANTA FE 2.2	D4EB			
KIA	28113-2P300	KIA	SORENTO 2.2	2.2 LT			
BOSCH	F026400547						
FRAM	CA11110						
HENGST	E1122L						
MAHLE	LX 2956						
MANN	C 28 011						
SAKURA	A-28610						

MK-5279



H = 42 mm

OD = 278 mm

ID1 = 12 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-71J00	NISSAN	SENTRA 1.6 B13	GA16DE	66	1991	1994
NISSAN	16546-77A10						
NISSAN	16546-88A00						
BALDWIN	PA2187						
FRAM	CA5279						
LUBER-FINER	AF5583						
MAHLE	LX724						
MANN	C2821						
PUROLATOR	AFP5114						
SAKURA	A1836						

MK-53020



H = 145 mm
OD = 167 mm
ID1 = 80 mm
ID2 = 80 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	95627137	HONDA	HORIZON 3.0	4JX1-T		1998	2002
ISUZU	8-97178-609-0	ISUZU	BIGHORN 3.0	4JX1		1998	2014
ISUZU	8-97178-609-1	ISUZU	BIGHORN 3.0	4JX1-T		1998	2002
ISUZU	8-97944-570-0	ISUZU	D-MAX 2.5	4JA1-T		2004	2011
NISSAN	16546-51N01	ISUZU	D-MAX 3.0	4JH1		2002	2007
NISSAN	16546-51N02	ISUZU	D-MAX 3.0	4JJ1-TCS		2008	
FRAM	CA9440	ISUZU	MU, WIZARD 3.0	4JX1-T		1998	2002
PARTMO	AP16550	ISUZU	PICKUP TFR 2.5	4JA1		2001	2003
SAKURA	A1515	ISUZU	PICKUP TFR 2.5	4JA1-T		1997	2011
		ISUZU	PICKUP TFR 2.5	4JA1-T		2004	2011

MK-53854



H = 291 mm
OD = 234 mm
ID1 = 134 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8-97062294-0	CHEVROLET	NPR	4HG1			
NISSAN	16546-89TA2	CHEVROLET	NPR	4HG1-T			
BALDWIN	RS5434	CHEVROLET	NPR	4HK1-T			
DONALDSON	P543614	ISUZU	ELF300	4JJ1-T			
FLEETGUARD	AF27693	ISUZU	ELF350	4HE1-T		1993	1995
FRAM	CA9856	ISUZU	ELF450	4HF1-T		1993	1995
LUBER-FINER	LAF5633	ISUZU	FORWARD 4.8	4HE1-T		1995	1999
LYS	AFL2234HDR	ISUZU	FORWARD 5.0	4HJ1		1997	1999
PUROLATOR	AF-10519	MAZDA	TITAN 3.0	4JJ1-T			
SAKURA	A-6020M	NISSAN	ATLAS 4.8	4HL1		2004	2007

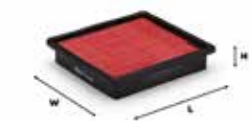
MK-5466



H = 43 mm
L = 268 mm
W = 173 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MAZDA	KJ01-13-Z40	MAZDA	MILLENNIA 2.3	V6 2.3L FUEL INJ		2001	2002
TOYOTA	17801-02030	MAZDA	MILLENNIA 2.5	V6 2.5L FUEL INJ		2001	2001
TOYOTA	17801-15070	PEUGEOT	PARTNER	4 CIL 1.9L DW8		2002	2002
BALDWIN	PA2243	TOYOTA	COROLLA 1.6	4L 1.6LTS 16V DOHC 4A-FE II	82	1998	2002
FRAM	CA5466	TOYOTA	COROLLA 1.8	4 CIL 1.8L 1ZZFE		2001	2002
LYS	AFL2024	TOYOTA	COROLLA 1.8	4L 1.8LTS 16V DOHC 7A-FE	86	1998	2002
MAHLE	LX811	TOYOTA	COROLLA 1.8	7A-FE		1998	2002
MANN	C27311	TOYOTA	SPRINTER 1.6	4A-FE		1992	1995
PUROLATOR	A24722	TOYOTA	SPRINTER 1.6	4AGE		1991	1995
SAKURA	A1148						

MK-5468



H = 31 mm
L = 167 mm
W = 156 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-0U800	NISSAN	MARCH 1.0	CR10DE	48	2002	2004
NISSAN	16546-41B00	NISSAN	MARCH 1.2	CR12DE	48	2002	2009
FRAM	CA5468						
LYS	AFL2077						
MAHLE	LX 725						
MAHLE	LX1270						
MANN	C1618						
PUROLATOR	AFP4641						
SAKURA	A1832						

MK-5513



H = 47 mm

L = 285 mm

W = 161 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	377 129 620	VOLKSWAGEN	GOL 1.0	4 CIL 1.0L CFI		1995	1996
FRAM	CA5513	VOLKSWAGEN	GOL 1.0 8V	1.0 AT EFI 8V		1997	2001
HENGST	E93L	VOLKSWAGEN	GOL 1.6	1.6 AP EFI GASOLINA		1997	
LYS	AFL2962	VOLKSWAGEN	GOL 1.6 TOTALFLEX	1.6 AP EFI TOTALFLEX	67	2003	
MANN	C29108	VOLKSWAGEN	GOL 1.8	1.8L 4L	82	2001	2009
PARTMO	AP35793	VOLKSWAGEN	GOL III 1.8	4L 1.8LTS UDH	75	1997	2007
PUROLATOR	FA-2962	VOLKSWAGEN	PARATI 2.0	4 CIL 2.0L		1995	1998
TECFIL	ARL6091	VOLKSWAGEN	SAVEIRO 1.6	1.6 AP EFI	73	1997	2006
		VOLKSWAGEN	SAVEIRO 1.6 TOTALFLEX	1.6 AP EFI TOTALFLEX	68	2003	

MK-55267



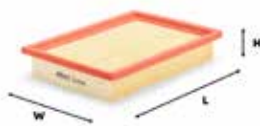
H = 49 mm

L = 282 mm

W = 229 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DAEWOO	96628890	CHEVROLET	CAPTIVA 3.2	V6 3.2LTS HF 24V	166	2007	2009
FRAM	CA10520						
HENGST	E882L						
MAHLE	LX 2965						
MANN	C 29 008						
PARTMO	AP3190						
PUROLATOR	FA-28890						
SAKURA	A-6540						
TECFIL	ART8826						

MK-5784



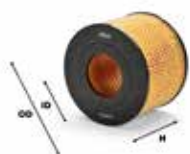
H = 45 mm

L = 245 mm

W = 183 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FIAT	60809275	FIAT	FIORINO 1.5	146 D1.011	49	1994	1996
FIAT	7786165	FIAT	FIORINO 1.6	SPI 8V		1994	1994
FRAM	CA5784	FIAT	PREMIO 1.5	8V	60	1991	1993
LUBER-FINER	AF5608	FIAT	PREMIO 1.6	8V	63	1989	1994
LYS	AFL631	FIAT	UNO 1.0	146 E1.011	49	2008	
MAHLE	LX 625	FIAT	UNO 1.0	MPI 8V	40	1999	2004
MAHLE	LX625	FIAT	UNO 1.3	178 E9.011	52	2003	2013
MANN	C 2496	FIAT	UNO 1.4	146 A8.000	87	1994	1995
PUROLATOR	A27720	FIAT	UNO 1.5	138 B3.011	53	1987	1993
PUROLATOR	AFP5102	FIAT	UNO 1.6	146 B7.011	66	1993	1995

MK-58010



H = 146 mm

OD = 196 mm

ID1 = 85 mm

ID2 = 85 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DAIHATSU	17801-58010	DAIHATSU	DELTA 4.1	4 CIL 4.1L 15BF		1995	1995
TOYOTA	17801-44010	TOYOTA	DYNA 3.6	4L 3.6LTS	75	1996	2003
TOYOTA	17801-44011	TOYOTA	HIACE 2.8 D	3L		1990	1993
BALDWIN	PA4615	TOYOTA	LAND CRUISER PRADO 2.7	4L 2.7LTS 3RZ-FE	112	1996	2009
DONALDSON	P500017	TOYOTA	PRADO 2.7	2.7 3RZ-FE TWIN CAM	150	2004	2009
FLEETGUARD	AF4607						
FRAM	CA2708						
MANN	C20131						
PUROLATOR	AF2975						
SAKURA	A1108						

MK-5876



H = 78 mm
L = 312 mm
W = 278 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	05103555AA	MERCEDES-BENZ	SPRINTER 212 D	OM602.980DELA	90	1995	2000
MERCEDES BENZ	A6900947004	MERCEDES-BENZ	SPRINTER 214 2.3	M111.979	105	1995	2006
VW GROUP	2D0 129 620A	MERCEDES-BENZ	SPRINTER 308 D		60	1995	2000
VW GROUP	2D0129620D	MERCEDES-BENZ	SPRINTER 308 D	OM601	58	1995	2000
DONALDSON	P612826	MERCEDES-BENZ	SPRINTER 310	MB OM 014A	75	1995	2000
FLEETGUARD	AF25319	MERCEDES-BENZ	SPRINTER 312 D	OM602	90	1995	2000
FRAM	CA5876	MERCEDES-BENZ	SPRINTER 313	4L 2.2LT OM611LA	104	2005	2009
LYS	AFL2400HD	MERCEDES-BENZ	SPRINTER 314 2.3	M111.979	105	1995	2006
MANN	C 32 338/1	MERCEDES-BENZ	SPRINTER 410 D	OM602.98 LA	75	1995	2000
PUROLATOR	A47701	MERCEDES-BENZ	SPRINTER 412 D	OM602.980DELA	90	1995	

MK-59348



H = 138 mm
OD = 220 mm
ID1 = 136 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	AB39-9601-AB	FORD	RANGER 2.2 TDCI	DURATORQ	88	2012	2016
MAZDA	U201-13-Z40	FORD	RANGER 3.2 TDCI	DURATORQ	147	2012	2016
MAZDA	U2Y0-13-Z40	MAZDA	BT-50 2.2 TDCI	DURATORQ	88	2012	2016
FLEETGUARD	AF27723	MAZDA	BT-50 3.2 TDCI	DURATORQ	147	2012	2016
FRAM	CA11674						
LYS	AFL9960HD						
MAHLE	LX3458						
MANN	C 22 024						
SAKURA	A-17860						

MK-59469



H = 33 mm
L = 354 mm
W = 108 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-B4000	HYUNDAI	GRAND I10 1.2	G4LA	64	2015	
HYUNDAI	28113-B9000	HYUNDAI	I10 II 1.0	G3LA	49	2013	
BOSCH	F026400455	HYUNDAI	I10 II 1.0 LPG	B3LA	49	2014	
FRAM	CA11814	HYUNDAI	I10 II 1.0 LPG	B3LA	51	2014	2016
HENGST	E1317L	HYUNDAI	I10 II 1.2	G4LA	64	2013	
MAHLE	LX 4053						
MANN	C 36 020						
SAKURA	A-28790						

MK-60813



H = 267 mm
OD = 96 mm
ID1 = 67 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-G6000	KIA	PICANTO III 1.0	G3LA	49	2017	
KIA	28113-G6000	KIA	PICANTO III 1.0	G3LA	51	2017	
BOSCH	0986AF3003	KIA	PICANTO III 1.2	G4LA	62	2017	
HENGST	E1599L						
PUROLATOR	FA-76000						
SAKURA	A-29440						

MK-60969



H = 67 mm

L = 266 mm

W = 216 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-30070	TOYOTA	HIACE 2.5	2KD-FTV		2013	
LYS	AFL30070HD	TOYOTA	HIACE 3.0	5L-E		2005	2005
PUROLATOR	FA-3070						
SAKURA	A-33730						

MK-61722



H = 52 mm

L = 257 mm

W = 163 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-3X000	HYUNDAI	ELANTRA 1.6	G4FG	98	2013	
BALDWIN	PA4480	HYUNDAI	ELANTRA 1.8 16V	G4NBB	110	2011	
BOSCH	F026400481	HYUNDAI	ELANTRA 2.0 16V	DOHC CVVT	131	2013	
LUBER-FINER	AF5251	HYUNDAI	I30 1.6 16V		94	2013	
LYS	AFL2811	HYUNDAI	I30 1.8 16V	G4NBB	110	2014	
MAHLE	LX 3537	KIA	CERATO I 1.6 16V	G4FC	94	2013	
MANN	C 26 022						
PUROLATOR	FA-300						
SAKURA	A-28960						
TECFIL	ARL2341						

MK-6395



H = 42 mm

L = 307 mm

W = 154 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-16030	TOYOTA	CALDINA 2.0	2C		1992	1998
TOYOTA	17801-31040	TOYOTA	CALDINA 2.0	3S-FE	88	1996	2002
TOYOTA	17801-54040	TOYOTA	CALDINA 2.2	4 CIL 2.2L 3CE		1999	2002
FRAM	CA6395	TOYOTA	CARINA 1.5	4 CIL 1.5L 5AFE		1996	2001
LUBER-FINER	AF369	TOYOTA	CORONA 1.8	1C		1988	1989
LYS	AFL2003	TOYOTA	CORONA 2.0	2C		1993	1996
MANN	C 31 101/1	TOYOTA	GAIA 2.0	3S-FE	88	1998	2002
PUROLATOR	A24360	TOYOTA	RAV4 2.0	4 CIL 2.0L FUEL INJ 1AZFE		2001	2001
SAKURA	A1123	TOYOTA	RAV4 2.0	4L 2.0LTS DOHC 16 VALVE 3S-FE	103	1997	2000

MK-64676



H = 51 mm

L = 248 mm

W = 171 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8-94376-353-0	TOYOTA	TERCEL 1.5	1NT		1991	1999
TOYOTA	17801-08010						
TOYOTA	17801-35020						
DONALDSON	P606060						
FRAM	CA6690						
LYS	AFL2013						
MAHLE	LX812						
MANN	C 2535						
PUROLATOR	AF4645						
SAKURA	A-1139						

MK-65139



H = 386 mm

OD = 330 mm

ID1 = 175 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	FIHT 9600 BB	FREIGHTLINER	ARGOSY	CAT C12			
FORD	F6HZ 9601 BC	FREIGHTLINER	ARGOSY	CUMMINS ISM11			
INTERNATIONAL (IHC)	3520400C1	FREIGHTLINER	ARGOSY	DETROIT DIESEL SERIES 60			
BALDWIN	RS3518	FREIGHTLINER	CENTURY C112	CAT C10			
DONALDSON	P527682	FREIGHTLINER	CENTURY C112	DETROIT DIESEL SERIES 55			
FLEETGUARD	AF25139M	FREIGHTLINER	CENTURY C120	CAT 3306			
FRAM	CA7140	FREIGHTLINER	CENTURY C120	CUMMINS ISX			
LUBER-FINER	LAF1849	FREIGHTLINER	CENTURY C120	CUMMINS M11			
PUROLATOR	AF-10353	FREIGHTLINER	CENTURY C120	CUMMINS SIGNATURE 600			
SAKURA	A-5023	FREIGHTLINER	CENTURY C120	DETROIT DIESEL SERIES 50			

MK-65140



H = 364 mm

OD = 175 mm

ID1 = 130 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	31457	FREIGHTLINER	CENTURY C112	CAT 3176			
INTERNATIONAL (IHC)	3520401C1	FREIGHTLINER	CENTURY C112	CAT C10			
BALDWIN	RS3519	FREIGHTLINER	CENTURY C112	DETROIT DIESEL SERIES 55			
DONALDSON	P527683	FREIGHTLINER	CENTURY C120	CAT C15			
FLEETGUARD	AF25345	FREIGHTLINER	CENTURY C120	CUMMINS ISX			
FRAM	CA7140SY	FREIGHTLINER	CENTURY C120	CUMMINS N14			
LUBER-FINER	LAF1956	FREIGHTLINER	CENTURY C120	DETROIT DIESEL SERIES 55			
LYS	AFL7683HDR	FREIGHTLINER	CENTURY CLASS S,T	CAT C12			
PUROLATOR	AF-10351	FREIGHTLINER	CENTURY CLASS S,T	CUMMINS ISX			
SAKURA	A-5024						

MK-65227



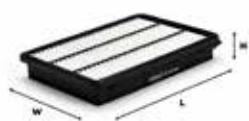
H = 52 mm

L = 227 mm

W = 177 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
SUZUKI	13780-65J00	SUZUKI	GRAND VITARA XL7 2.7	V6 2.7L FUEL INJ		2001	2006
BOSCH	F026400125						
FRAM	CA10286						
LUBER-FINER	AF4009						
LYS	AFL866						
MAHLE	LX2612						
MANN	C2330						
SAKURA	A1433						
SAKURA	AR1433						

MK-65330



H = 42 mm

L = 286 mm

W = 198 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-D3300	HYUNDAI	TUCSON	1.6 GDI		2016	
BALDWIN	PA10044	HYUNDAI	TUCSON	1.6 T-GDI		2016	
FRAM	CA12065	HYUNDAI	TUCSON 2.0	G4NA		2018	2020
LUBER-FINER	AF5260	HYUNDAI	TUCSON 2.0	G4NA	110	2015	2018
MANN	C 28 035	KIA	SPORTAGE	2.0		2017	
SAKURA	A-28890	KIA	SPORTAGE	2.4		2017	
		KIA	SPORTAGE 2.0	G4NA		2015	

MK-6544



H = 36 mm
OD = 254 mm
ID1 = 21 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-15060	TOYOTA	COROLLA 1.3	2E	48	1983	1994
BALDWIN	PA4034	TOYOTA	COROLLA 1.6	4L 1.6LTS 16V 4A-F	71	1990	1998
BOSCH	1987429133						
DONALDSON	P500030						
FRAM	CA6544						
LUBER-FINER	AF371						
LYS	AFL2008						
MAHLE	LX733						
MANN	C2619						
SAKURA	A1130						

MK-66856



H = 36 mm
L = 227 mm
W = 128 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FIAT	71742069	SUZUKI	SX4 1.6	M16A			
SUZUKI	13780-79J00	SUZUKI	SX4 S-CROSS 1.6	M16A			
BOSCH	F026400201						
FRAM	CA10201						
LYS	AFL2086						
MAHLE	LX2833						
MANN	C23004						
SAKURA	A1437						

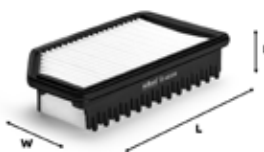
MK-6696



H = 340 mm
OD = 265 mm
ID1 = 136 mm
ID2 = 23 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8-94430250-0	ISUZU	NQR	4HK1-T			
MITSUBISHI	ME033717	ISUZU	NRR	4HK1-T			
BALDWIN	PA2761	MITSUBISHI	CANTER 3.9 TD	4D34-T	90	1989	1993
DONALDSON	P636773	MITSUBISHI	CANTER FE 434	4D31T		1994	1995
FLEETGUARD	AF4739	MITSUBISHI	FUSO 5.9	6 CIL 5.9L TD 6D34		2001	2002
FRAM	CA6696						
LUBER-FINER	LAF1947						
LYS	AFL3602HD						
PUROLATOR	AF-4506						
SAKURA	A-1019						

MK-68338



H = 54 mm
L = 256 mm
W = 146 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-1R100	HYUNDAI	ACCENT 1.4	G4LC		2014	2020
HYUNDAI	28113-1V100	HYUNDAI	ACCENT 1.6	D4FB		2011	2014
KIA	28113B2000	HYUNDAI	ACCENT 1.6	G4FC		2014	2017
FRAM	CA11206	HYUNDAI	ACCENT RB 1.6	1.6 L	122	2011	2015
MAHLE	LX3300	HYUNDAI	VELOSTER	1.6L G4F		2011	
MANN	C 25 016	KIA	RIO 1.1	D3FA		2011	
SAKURA	A28640	KIA	RIO 1.4	D4FC		2014	
		KIA	RIO 1.4	G4FA		2011	
		KIA	RIO 1.4	U2		2011	
		KIA	SOUL 1.6	D4FB		2013	

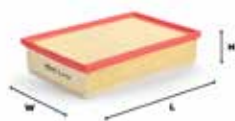
MK-6900



H = 35 mm
L = 228 mm
W = 168 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HONDA	17220-P2A-005	NISSAN	MARCH 1.2	HR12DE		2010	
NISSAN	16546-17B00	NISSAN	PULSAR 1.5	4 CIL 1.5L GA15DE		1996	2000
NISSAN	AY120-NS022	NISSAN	PULSAR 1.5	QG15DE	66	1995	2000
FRAM	CA6900	NISSAN	SENTRA B13	GA16DE		2000	2010
LUBER-FINER	AF5582	NISSAN	SENTRA 1.6	V16I 4 CIL 1.6L GA16		1997	1998
LYS	AFL2016	NISSAN	SENTRA B13 1.6	4L 1.6LTS 16 VALVE GA16DNE	88	1997	2008
MAHLE	LX1266	NISSAN	SENTRA B14 1.6	4L 1.6LTS 16 VALVE GA16DNE	67	1996	2000
MANN	C2329	NISSAN	SENTRA B14 1.8	4L 1.8LTS	93	1996	1999
PUROLATOR	A24675	NISSAN	SENTRA B14 CLASICO	GA16DE	66	2000	2012
SAKURA	A-1833	NISSAN	X-TRAIL 2.5	DOHC QR25DE	126	2008	2010

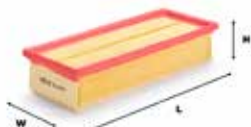
MK-69135



H = 72 mm
L = 291 mm
W = 202 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-00Q1L	RENAULT	MASTER III 2.3 DCI	M9T 676 686 690 692 696 698	92	2013	
RENAULT	74 85 145 004	RENAULT	MASTER IV 2.3 DCI 100	M9T670 676 690 692	74	2010	
RENAULT	82 00 795 348	RENAULT	MASTER IV 2.3 DCI 110	MT9	81	2014	
FRAM	CA11073	RENAULT	MASTER IV 2.3 DCI 125	M9T676 686 690 692 696 698	92	2010	
HENGST	E1053L	RENAULT	MASTER IV 2.3 DCI 150	M9T880	110	2013	
MAHLE	LX1883	RENAULT	MASTER IV 2.3 DCI BITURBO 145	M9T EURO 6	107	2015	
MANN	C 30 011	RENAULT	MASTER IV 2.3 DCI BITURBO 170	M9T EURO 6	125	2015	

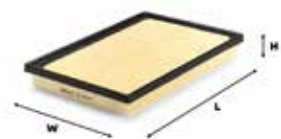
MK-69754



H = 78 mm
L = 345 mm
W = 135 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	1K0 129 620	AUDI	A3 1.8 TFSI	BYT, BZB, CDAA	118	2006	
VW GROUP	1K0 129 620D	AUDI	A3 2.0 16V TFSI	AXX, BPY, BWA, CAWB, CBFA, CCTA	147	2005	
VW GROUP	1K0 129 620F	AUDI	A3 2.0 LE			2007	2012
BOSCH	1987429404	AUDI	Q3 2.0 TFSI	CCZC	125	2011	
FRAM	CA9711	AUDI	Q3 2.0 TFSI	CPSA	155	2011	
MAHLE	LX1211	VOLKSWAGEN	GOLF 1.9 TDI	ATD, AXR	74	2003	2009
MANN	C35154	VOLKSWAGEN	JETTA IV 2.0 16V GLI			2013	2013
PUROLATOR	A18346	VOLKSWAGEN	JETTA IV 2.0 16V TSI	CPLA, CPPA	155	2013	
		VOLKSWAGEN	PASSAT 2.0 16V TFSI	AXX, BWA, CAWB, CBFA, CCTA, CCZA	147	2005	2010
		VOLKSWAGEN	TIGUAN I 2.0 16V TSI	CAWB, CCTA, CCZA	147	2007	

MK-70879



H = 35 mm
L = 268 mm
W = 183 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-0V020	TOYOTA	RAV4 2.5	2AR-FE	132	2012	
TOYOTA	17801-38010						
TOYOTA	17801-38011						
BALDWIN	PA10040						
FRAM	CA10677						
LUBER-FINER	AF3938						
LYS	AFL2174						
MAHLE	LX 2992						
SAKURA	A-33960						

MK-71546



H = 47 mm

L = 243 mm

W = 120 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
SUZUKI	13780-62J50	SUZUKI	SPLASH 1.3			2008	
SUZUKI	13780-62J51	SUZUKI	SWIFT III 1.3	D13A		2005	2010
BOSCH	F026400265	SUZUKI	SWIFT III 1.3	Z13DT		2005	2010
FRAM	CA10333	SUZUKI	SWIFT IV 1.3	D13A		2010	
HENGST	E894L						
MAHLE	LX 1576						
MANN	C 2554						
SAKURA	A-1435						

MK-73434



H = 264 mm

OD = 162 mm

ID1 = 88 mm

ID2 = 88 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
GM	52046262	CHEVROLET	S10 2.8 CTDI			2013	
GM	94771925						
FRAM	CA11077						
FRAM	CA11077						

MK-73820



H = 529 mm

OD = 268 mm

ID1 = 170 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	A0040943504	MERCEDES-BENZ	1832-ACTROS MP2, MP3	OM541LA			
SCANIA	1485592	MERCEDES-BENZ	1836-ACTROS MP2, MP3	OM541LA			
VOLVO	20544738	MERCEDES-BENZ	1841-ACTROS MP2, MP3	OM541LA			
DONALDSON	P500185	MERCEDES-BENZ	2032-ACTROS MP2, MP3	OM541LA			
FRAM	CA9747	MERCEDES-BENZ	2036-ACTROS MP2, MP3	OM541LA			
LUBER-FINER	LAF6242	MERCEDES-BENZ	2055-ACTROS MP2, MP3	OM542LA			
MAHLE	LX 1734	MERCEDES-BENZ	2432-ACTROS MP2, MP3	OM541LA			
MANN	C 27 1340	MERCEDES-BENZ	2641-ACTROS MP2, MP3	OM541LA			
SAKURA	A-5331	MERCEDES-BENZ	2641-ACTROS MP2, MP3	OM541LA			

MK-74247



H = 34 mm

L = 214 mm

W = 132 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
KIA	28113-04000	KIA	PICANTO 1.0	G3LA		2011	
KIA	28113-1Y100	KIA	PICANTO 1.2			2011	
FRAM	CA11432						
HENGST	E1214L						
LYS	AFL1304						
MAHLE	LX 3271						
MANN	C 22 015						
PARTMO	AP31820						
PUROLATOR	FA-3040						
SAKURA	A-28690						

MK-76085



H = 39 mm
L = 244 mm
W = 146 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-4A00C	NISSAN	CULTUS CRESCENT 1.5			1995	2002
NISSAN	16546-4A00F	NISSAN	PIXO 1.0	K10B		2009	
SUZUKI	13780-68K00	NISSAN	PIXO 1.1			2009	
BOSCH	F026400231						
FRAM	CA11796						
MAHLE	LX 3361/1						
MANN	C 24 003						

MK-8000



H = 44 mm
L = 252 mm
W = 173 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-08000	HYUNDAI	TUCSON 2.0	DOHC CVVT 16V	105	2005	2009
KIA	28113-08000	HYUNDAI	TUCSON 2.0	G4GC	104	2004	2009
BALDWIN	PA4348	HYUNDAI	TUCSON 2.0	G4GC	104	2005	2009
FRAM	CA10086	HYUNDAI	TUCSON 2.0 CRDI	D4EA	83	2004	2009
MAHLE	LX1785	KIA	SPORTAGE	4L 2.0LTS G4GC	103	2008	2011
MANN	C2631	KIA	SPORTAGE	V6 2.7LTS G6BA	131	2005	2008
PUROLATOR	A25584	KIA	SPORTAGE 2.0 ACTIVE	G4GC 2.0L 16V DOHC CVVT	104	2005	2009
SAKURA	A2839	KIA	SPORTAGE 2.0 CRDI	D4EA	83	2005	2008
		KIA	SPORTAGE 2.0 CRDI	D4EA	83	2005	2008

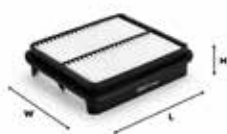
MK-802150



H = 34 mm
L = 313 mm
W = 201 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MAZDA	ZJ01-13-Z40	MAZDA	2 1.5	MRZ 1.5L DOHC 16V VVT	103	2010	2012
BOSCH	1987429184	MAZDA	3 1.6	4 CIL 1.6L Z6		2003	2006
FRAM	CA9894	MAZDA	DEMIO 1.3	4 CIL 1.3L ZJVE		2002	2007
HENGST	E667L						
LUBER-FINER	AF5192						
MAHLE	LX1921						
SAKURA	AR17621						

MK-8069



H = 56 mm
L = 228 mm
W = 200 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
SUZUKI	13780-65D10	SUZUKI	GRAND VITARA 2.0	4L 2.0LTS J20A DOHC	94	1998	2012
SUZUKI	13780-77E00	SUZUKI	GRAND VITARA 2.5	V6 2.5LTS H25A DOHC 24V		1998	2005
FRAM	CA8069	SUZUKI	GRAND VITARA XL7 2.7	V6 2.7L FUEL INJ		2001	2006
LYS	AFL8077						
MAHLE	LX 862						
MAHLE	LX862						
MANN	C2337						
PUROLATOR	A35219						
SAKURA	A1416						

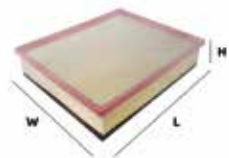
MK-8208



H = 50 mm
L = 214 mm
W = 204 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
mitsubishi	MR188657	mitsubishi	LANCER 1.3	4L 1.3LTS INJECTION		2000	2001
mitsubishi	MR258421	mitsubishi	LANCER 1.6	4L 1.6LTS INJECTION		2000	2007
mitsubishi	MR373756	mitsubishi	LANCER 1.6	4L 1.6LTS INJECTION	77	2000	2014
mitsubishi	MR464177	mitsubishi	LANCER 1.8	4L 1.8LTS INJECTION		1998	1999
fram	CA8208	mitsubishi	LANCER 1.8	4L 1.8LTS INJECTION		1998	1999
lys	AFL2047	mitsubishi	LANCER CEDIA 1.5	4G15	69	2000	
mahle	LX1076	mitsubishi	LANCER EVOLUTION IX 2.0	4L 2.0LTS DOHC 16V	206	2006	2009
mann	C21361	mitsubishi	LANCER TOURING 2.0	4L 2.0LTS SOHC 16 VALVE	92	2003	2010
purolator	A35244	mitsubishi	LANCER TOURING 2.0	4L 2.0LTS SOHC 16 VALVE	92	2010	2014
sakura	A1092	mitsubishi	LANCER VI 1.8	1.8L	151	2000	2007

MK-82242



H = 69 mm
L = 313 mm
W = 258 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	2H0 129 620 A	VOLKSWAGEN	AMAROK 2.0 TDI		134	2016	
VW GROUP	2H0 129 620 D	VOLKSWAGEN	AMAROK 2.0 TDI	CDCA	90	2010	
VW GROUP	2H6 129 620 A						
bosch	F026400609						
fleetguard	AF4277						
fram	CA10697						
lys	AFL2226						
mahle	LX 3139						
mann	C 32 010						
sakura	A-31140						

MK-82465



H = 37 mm
L = 253 mm
W = 122 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
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	17801-0Y040						
toyota	17801-0Y050						
hengst	E1138L						
luber-finer	AF5232						
mahle	LX 4248						
mann	C 26027						
sakura	A-58370						

MK-83293



H = 54 mm
L = 256 mm
W = 239 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
toyota	17801-31120	toyota	CAMRY 3.5	V6 3.5LTS DOHC 24V VVT-I 2GR-FE	204	2006	2008
toyota	17801-AD010	toyota	RAV4 2.0	4L 2.0LTS DOHC 16 VALVE 1AZ-FE	110	2001	2003
fram	CA10169	toyota	RAV4 2.4	2AZ-FE	123	2008	2011
luber-finer	AF3996						
mann	C 26 003						
sakura	A3306						

MK-84902



H = 437 mm

OD = 231 mm

ID1 = 122 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	17801-3380	HINO	500 SERIES	J08E-TB			
HINO	17801-3380L	HINO	500 SERIES	J08E-TB			
HINO	17801-3380P	HINO	500 SERIES	J08E-TE			
HINO	17801-EW010	HINO	SERIE 500, E5 FL8J FL 2628	7.7L J08E			
HINO	S17801-3380	HINO	SERIE 500, E5 FM8J FM 2628	7.7L J08E			
DONALDSON	P902384	HINO	SERIE 500, E5 GH8J GH 1828	7.7L J08E			
FLEETGUARD	AF26522	HINO	SERIE 500, E5 GT8J GT 1322	7.7L J08E			
PUROLATOR	AF-10366	HINO	SERIE 500, US04 FD8J	7.7L J08E			
SAKURA	A-1325	HINO	SERIE 500, US04 FG8J	7.7L J08E			
TECFIL	ARS3380	HINO	SERIE 500, US04 FL8J	7.7L J08E			

MK-84903



H = 423 mm

OD = 111 mm

ID1 = 82 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	17801-3390	HINO	500 SERIES	J08CE-I6		2008	
HINO	17801-3391	HINO	500 SERIES	J08E-TB			
HINO	17801-3391L	HINO	500 SERIES	J08E-TE			
HINO	17801-EW020	HINO	SERIE 500, E5 FL8J FL 2628	7.7L J08E			
DONALDSON	P902385	HINO	SERIE 500, E5 FM8J FM 2628	7.7L J08E			
FLEETGUARD	AF26520	HINO	SERIE 500, E5 GH8J GH 1828	7.7L J08E			
PUROLATOR	AF-10369	HINO	SERIE 500, E5 GT8J GT 1322	7.7L J08E			
SAKURA	A-1330	HINO	SERIE 500, US04 FD8J	7.7L J08E			
TECFIL	ASR390	HINO	SERIE 500, US04 FG8J	7.7L J08E			
		HINO	SERIE 500, US04 FL8J	7.7L J08E			

MK-84904



ESTE ARTÍCULO ES UN SET,
POR FAVOR MIRAR LAS
MEDIDAS DE SU
COMPONENTES
MK-84902 Y MK-84903

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	17801-3380 + 17801-3391	HINO	SERIE 500, E5 FL8J FL 2628	7.7L J08E			
HINO	17801-EW100	HINO	SERIE 500, E5 FM8J FM 2628	7.7L J08E			
TOYOTA	17801-EW100	HINO	SERIE 500, E5 GH8J GH 1828	7.7L J08E			
DONALDSON	P902384 + P902385	HINO	SERIE 500, E5 GT8J GT 1322	7.7L J08E			
FLEETGUARD	AF26522 + AF26520	HINO	SERIE 500, US04 FD8J	7.7L J08E			
PUROLATOR	AF-10366 + AF- 10369	HINO	SERIE 500, US04 FG8J	7.7L J08E			
SAKURA	A-1331-S	HINO	SERIE 500, US04 FL8J	7.7L J08E			
		HINO	SERIE 500, US04 FM8J	7.7L J08E			
		HINO	SERIE 500, US04 FT8J	7.7L J08E			
		HINO	SERIE 500, US04 GD8J	7.7L J08E			

MK-85139



H = 34 mm

L = 200 mm

W = 189 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHERY	S11-1109111	CHERY	QQ	4L 1.1LTS	50	2006	2008
PARTMO	AP3530						
PUROLATOR	FA-1111						
SAKURA	A-4923						

MK-86946



H = 345 mm

OD = 343 mm

ID1 = 126 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	A 002 094 07 06	MERCEDES-BENZ	ATEGO 1315	OM 904 LA			
MERCEDES BENZ	A 003 094 95 04	MERCEDES-BENZ	ATEGO 1318 BLUETEC	OM 904 LA			
MERCEDES BENZ	A 003 094 96 04	MERCEDES-BENZ	ATEGO 1418	OM 904 LA			
RENAULT TRUCKS	50 21 107 601	MERCEDES-BENZ	ATEGO 1518	OM 904 LA			
BALDWIN	RS5342	MERCEDES-BENZ	ATEGO 1518 BLUETEC	OM 904 LA			
DONALDSON	P781465	MERCEDES-BENZ	ATEGO 1718	OM 904 LA			
FLEETGUARD	AF25653	MERCEDES-BENZ	ATEGO 1725	OM 906 LA			
MAHLE	LX 3480 KIT	MERCEDES-BENZ	ATEGO 2425	OM 906 LA			
MANN	C 29 010 KIT	MERCEDES-BENZ	AXOR 1933	OM 926 LA			
		MERCEDES-BENZ	AXOR 1933 S	OM 926 LA			

MK-8732



H = 36 mm

L = 296 mm

W = 219 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DAEWOO	96553450	CHEVROLET	OPTRA 1.8	E-TEC II			
SUZUKI	13780-85Z00						
SUZUKI	13780-85Z10						
FRAM	CA10519						
HENGST	E748L						
LUBER-FINER	AF3981						
MAHLE	LX2679						
MANN	C3028						
PUROLATOR	A34711						

MK-8964



H = 75 mm

L = 177 mm

W = 142 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-00QAA	RENAULT	CLIO 1.4	4L 1.4LTS	69	1996	2000
NISSAN	16546-00QAU	RENAULT	CLIO 1.6	K4M 748, K4M 708	79	2001	2009
RENAULT	77 01 045 724	RENAULT	CLIO II 1.4i 16V	4L 1.4LTS DOHC 16V K4J 712	69	2002	2007
RENAULT	82 00 431 051	RENAULT	CLIO II 1.6 I	4L 1.6LTS DOHC 16V K4M 744	82	2008	2013
BOSCH	1457433529	RENAULT	DUSTER 1.6 16V HI-FLEX	1.6 16V	85	2011	
FRAM	CA8964	RENAULT	DUSTER 4X2 DYNAMIQUE	2.0 LTS DOHC 16V	99	2013	2014
MAHLE	LX773	RENAULT	KANGOO	4L 1.6LTS 16 VALVE K4M	71	2007	2011
MANN	C1858	RENAULT	KANGOO 1.6	4L 1.6LTS DOHC 16V K4M	71	2007	2013
PUROLATOR	A18090	RENAULT	KANGOO 1.6 16V HI-FLEX	K4M	79	2007	
SAKURA	A-25440	RENAULT	LAGUNA	4L 2.0LTS 16 VALVE	105	2000	2004

MK-8972



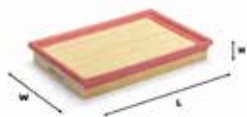
H = 43 mm

L = 261 mm

W = 116 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CITROËN	1444.PW	TOYOTA	PLATZ 1.0 VVT-I	1SZ-FE	48	1999	2001
PEUGEOT	1444PV	TOYOTA	VITZ 1.0 VVT-I	1SZ-FE	48	1999	
TOYOTA	17801-0J020	TOYOTA	YARIS 1.0 VVT-I	1SZ-FE	48	1999	2005
TOYOTA	17801-23030	TOYOTA	YARIS 1.3	2SZ-FE		2009	
FRAM	CA8972	TOYOTA	YARIS 1.3	2SZ-FE		2009	
LUBER-FINER	AF543	TOYOTA	YARIS 1.3	2SZ-FE		2009	
MAHLE	LX1001						
MANN	C 2612						
PUROLATOR	A18295						
SAKURA	A1182						

MK-9015



H = 41 mm
L = 288 mm
W = 188 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
OPEL	90322261	VOLKSWAGEN	FOX 1.6	4L 1.6LTS SOHC 8 VALVE	76	2005	2010
VW GROUP	036 129 620D						
VW GROUP	036 198 620						
BOSCH	1457433059						
FRAM	CA9015						
MAHLE	LX 977D						
MAHLE	LX43						
MANN	C2990						
MANN	C29985						
PUROLATOR	A18307						

MK-9021



H = 50 mm
L = 250 mm
W = 199 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	XM349601AA	MAZDA	BT-50 2.5 D	MD25NA	57	2007	2008
MAZDA	WL8113Z40	MAZDA	BT-50 2.5 TDI	WL-T	85	2007	
MITSUBISHI	MR266849						
MITSUBISHI	MR266850						
MITSUBISHI	MR323075						
BALDWIN	PA4144						
FRAM	CA9021						
MAHLE	LX929						
MANN	C25128						
SAKURA	A-1058						

MK-90546



H = 36 mm
L = 218 mm
W = 217 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	PA4197	SUBARU	EXIGA 2.5	FB25A		2012	2015
FRAM	CA9997	SUBARU	EXIGA 2.5	FB25A		2015	2018
LUBER-FINER	AF3984	SUBARU	FORESTER 2.0	EJ205		2007	2012
LYS	AFL4609	SUBARU	FORESTER 2.0	FA20		2016	2019
MAHLE	LX 2672	SUBARU	FORESTER 2.5	EJ253		2007	2010
MANN	C 2201	SUBARU	FORESTER 2.5	EJ255		2007	2012
PUROLATOR	A-35592	SUBARU	FORESTER 2.5 X	EJ25	126	2010	
SAKURA	A-1876	SUBARU	IMPREZA 1.5	EL154		2007	2011
		SUBARU	IMPREZA 1.6	FB16		2011	2016
		SUBARU	IMPREZA 1.6	FB16A		2011	2016

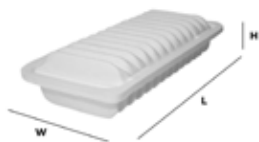
MK-91001



H = 54 mm
L = 255 mm
W = 146 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-H8100	KIA	RIO IV 1.4	G4LC	74	2017	
KIA	28113-H8100	KIA	RIO IV 1.6	G4FG	90	2017	
KIA	28113-H9100						
HENGST	E1598L						
MAHLE	LX 4040						
MANN	C 26 048						
SAKURA	A-28950						

MK-9115



H = 50 mm

L = 251 mm

W = 120 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-0Y010	TOYOTA	BB 1.3 VVT-I	2NZ-FE	62	2000	
TOYOTA	17801-21030	TOYOTA	PLATZ 1.3 VVT-I	2NZ-FE	62	1999	2006
FRAM	CA9115	TOYOTA	PROBOX 1.3	2NZFE		2002	2006
LUBER-FINER	AF7964	TOYOTA	VIOS 1.3 VVT-I	2NZ-FE	62	1999	2007
LYS	AFL1030	TOYOTA	VIOS 1.5 VVT-I	1NZ-FE	76	1999	2007
MAHLE	LX1002	TOYOTA	VITZ 1.5 VVT-I	1NZ-FE	76	2000	
MANN	C 2513	TOYOTA	YARIS 1.3	2NZ-FE	63	2000	2001
PUROLATOR	A15363	TOYOTA	YARIS 1.3	4 CIL 1.3L 2SFFE		2002	2006
		TOYOTA	YARIS 1.3 VVT-I	2NZ-FE	62	1999	2008
		TOYOTA	YARIS 1.5	4 CIL 1.5L 1NZFE		1999	2008

MK-91485



H = 26 mm

L = 220 mm

W = 190 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DAEWOO	96591485	CHEVROLET	SPARK 1.0	4L 1.0LT S-TEC	50	2005	2013
DAEWOO	P96591485	CHEVROLET	SPARK 1.0 8V	B10S	47	2006	
BOSCH	F026400167						
FRAM	CA10767						
HENGST	E1074L						
MAHLE	LX 2690						
MANN	C 2214						
PARTMO	AP4495						
PUROLATOR	FA-91485						
SAKURA	A-8904						

MK-91880



H = 598 mm

OD = 331 mm

ID = 160 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VOLVO	10809180	VOLVO	F10	TD100		1977	
VOLVO	10809184	VOLVO	F10	TD101		1985	
BALDWIN	PA3484	VOLVO	F10	TD102		1987	1994
DONALDSON	P777767	VOLVO	F10	TD103		1991	1994
FLEETGUARD	AF4942	VOLVO	F12	TD100		1983	
LYS	AFL8091HD	VOLVO	F12	TD121		1983	1988
MAHLE	LX 1699	VOLVO	F12	TD122		1987	1994
MANN	C 27 1581	VOLVO	F12	TD123		1991	1988
PUROLATOR	AF-10319	VOLVO	F1450	TD122			
SAKURA	A-7101	VOLVO	FL12	TD121			

MK-92112



H = 58 mm

L = 233 mm

W = 160 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
OPEL	95528550	CHEVROLET	TRACKER 1.4 16V TURBO FLEX		113	2017	
FRAM	CA11501	CHEVROLET	TRACKER 1.8 16V FLEX		103	2013	
HENGST	E1133L						
LUBER-FINER	AF3184						
MAHLE	LX 3579						
MANN	C 24 012						
PUROLATOR	A26319						
SAKURA	A-65540						
TECFIL	ARL8877						

MK-92369



H = 33 mm

L = 361 mm

W = 157 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	J96827723	CHEVROLET	SPARK 1.0 MA48	B10D1		2010	2017
DAEWOO	42390126	CHEVROLET	SPARK 1.2 M300	B12D1		2010	2012
DAEWOO	96827723	DAEWOO	MATIZ III	RCC48		2010	
FRAM	CA11071						
HENGST	E1078L						
LYS	AFL7723						
MAHLE	LX 3152						
MANN	C 36 013						
PUROLATOR	FA-7723						
SAKURA	A-89080						

MK-92429



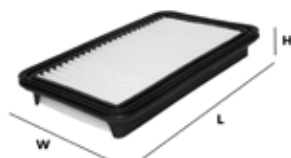
H = 54 mm

L = 246 mm

W = 129 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-1J000	HYUNDAI	I20 1.2			2009	2014
HYUNDAI	28113-1P000	HYUNDAI	I20 1.4			2010	2014
KIA	28113-1P000	HYUNDAI	I20 1.4	G4FA	75	2008	2014
KIA	28113-2K000	HYUNDAI	I20 1.6			2009	
FRAM	CA10699	KIA	SOUL 1.6	D4FB		2008	2014
HENGST	E1047L	KIA	VENGA 1.4	D4FC-M		2010	
LUBER-FINER	AF4062	KIA	VENGA 1.6	D4FB		2010	
MANN	C 26 014						
PUROLATOR	A16094						
SAKURA	A-28620						

MK-92752



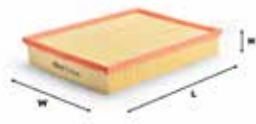
H = 32 mm

L = 237 mm

W = 143 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
SUZUKI	1378063J00	SUZUKI	SWIFT 1.5	4 CIL 1.5L		2005	2010
SUZUKI	13780-63J00						
MAHLE	LX 3776						
SAKURA	A1431						

MK-93235



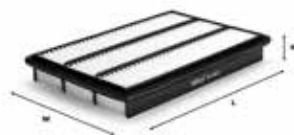
H = 58 mm

L = 353 mm

W = 264 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	A 000 090 26 51	MERCEDES BENZ	SPRINTER I 311 CDI	OM 651 LA	84	2012	
RENAULT TRUCKS	74 24 990 701	MERCEDES BENZ	SPRINTER I 415 CDI	OM 651 LA	107	2012	
VW GROUP	2E0 129 620 B	MERCEDES BENZ	SPRINTER I 515 CDI	OM 651 LA	107	2012	
VW GROUP	2E0 129 620 D	MERCEDES BENZ	SPRINTER II 211 CDI	OM 651 LA	84	16	
DONALDSON	P614541	MERCEDES BENZ	SPRINTER II 213 CDI	OM 646 LA, OM 651 LA	95	2006	2016
FRAM	CA10330	MERCEDES BENZ	SPRINTER II 214 CDI	OM 651 LA	105	2016	
LUBER-FINER	LAF5028	MERCEDES BENZ	SPRINTER II 319 CDI V6	OM 642 LA	140	2009	
MANN	C4312	MERCEDES BENZ	SPRINTER II 410 CDI	OM 651 LA	70	2009	2016
SAKURA	A-2625	MERCEDES BENZ	SPRINTER II 415 CDI	OM 646 LA	110	2011	
TECFIL	ARL3751	VOLKSWAGEN	CRAFTER 2.0 TDI	CKTC	100	2011	

MK-9367



H = 50 mm
L = 362 mm
W = 236 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
mitsubishi	MR404849	mitsubishi	MONTERO 3.2 TDI DI-D	4M41-T	121	2007	
mitsubishi	MR571476	mitsubishi	MONTERO 3.5	V6 3.5LTS	160	2001	2005
mitsubishi	XR404847	mitsubishi	MONTERO 3.5 V6	6G74	149	1999	2006
fram	CA9367	mitsubishi	MONTERO LIMITED 3.5	V6 3.5LTS	160	2001	2005
hengst	E718L	mitsubishi	MONTERO LIMITED 3.8	V6 3.8LTS SOHC 24V	183	2005	2008
luber-finer	AF7988						
lys	AFL476						
mann	C3766						
purolator	A35410						
sakura	A-1068						

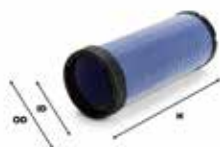
MK-93867



H = 370 mm
OD = 233 mm
ID = 132 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
isuzu	8-97386715-0	hitachi	ZZ270LC	6BG1			
nisson	16546-Z9019	isuzu	FORWARD 5.2	4HK1-TCC			
nisson	16546-Z9108	isuzu	FRD500	4HK1-TCS			
donaldson	P821938	isuzu	FRR500	4HK1-TCS			
fleetguard	AF25414	isuzu	FRR600	6HK1-TCN			
fram	CA8244	isuzu	FRR600-S	6HK1-TCC			
luber-finer	LAF5761	isuzu	FSD700	6HK1-TCN			
mann	C 24 553	isuzu	FSD850	6HK1-TCN			
purolator	AF-10288	isuzu	FSD850-S	6HK1-TCC			
sakura	A-5539	isuzu	FSR700	6HK1-TCN			

MK-93868



H = 344 mm
OD = 135 mm
ID = 112 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
hitachi	4286130	hitachi	ZZ270LC	6BG1			
isuzu	8-98071422-0	isuzu	FORWARD 5.2	4HK1-TCC			
baldwin	RS3535	isuzu	FRD500	4HK1-TCS			
donaldson	P821963	isuzu	FRR500	4HK1-TCS			
fleetguard	AF25412	isuzu	FRR600	6HK1-TCN			
fram	CA8245	isuzu	FRR600-S	6HK1-TCC			
luber-finer	LAF5762	isuzu	FSD700	6HK1-TCN			
mann	CF 1414	isuzu	FSD850	6HK1-TCN			
sakura	A-5538	isuzu	FSD850-S	6HK1-TCC			
		isuzu	FSR700	6HK1-TCN			

MK-93869



ESTE ARTÍCULO ES UN SET, POR FAVOR MIRAR LAS MEDIDAS DE SU COMPONENTES
 MK-93867 Y MK-93868

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
isuzu	8-97386715-0 + 8-98071422-0	hitachi	ZZ270LC	6BG1			
baldwin	RS3538 + RS3535	isuzu	FORWARD 5.2	4HK1-TCC			
donaldson	P821938 + P821963	isuzu	FRD500	4HK1-TCS			
fleetguard	AF25414 + AF25412	isuzu	FRR500	4HK1-TCS			
fram	CA8244 + CA8245	isuzu	FRR600	6HK1-TCN			
luber-finer	LAF5761 + LAF5762	isuzu	FRR600-S	6HK1-TCC			
		isuzu	FSD700	6HK1-TCN			
		isuzu	FSD850	6HK1-TCN			
		isuzu	FSD850-S	6HK1-TCC			
		isuzu	FSR700	6HK1-TCN			

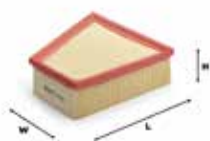
MK-94190



H = 280 mm
OD = 193 mm
ID1 = 132 mm
ID2 = 132 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28130-5H000	HYUNDAI	BUS COUNTY	4L 3.3LTS	84	2007	2008
HYUNDAI	28130-5H001	HYUNDAI	HD72 4.0	D4DB		2009	
HYUNDAI	28130-5H002	HYUNDAI	TRUCK HD 65	4L 3.9LTS D4DD	106	2007	2009
LUBER-FINER	AF8918	HYUNDAI	TRUCK HD 72	4L 3.9LTS D4DB	98	2007	2009
LYS	AFL2813HD	HYUNDAI	TRUCK HD 78	4L 3.9LTS D4DD	106	2007	2009
PUROLATOR	AFI0300						
SAKURA	A-2813						

MK-9431



H = 68 mm
L = 219 mm
W = 216 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	5Z0 129 620 A	VOLKSWAGEN	GOL 1.6	1.6L 4L	63	1997	1999
VW GROUP	6Q0 129 620	VOLKSWAGEN	POLO 1.4 TDI	AMF, BAY	55	2001	2005
VW GROUP	6Q0 129 662 0						
FRAM	CA9431						
HENGST	E395L						
MAHLE	LX708						
MANN	C22953						
MANN	C22954						
PUROLATOR	A38344						

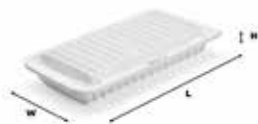
MK-9441



H = 48 mm
L = 259 mm
W = 176 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28113-26000	HYUNDAI	SANTA FE	V6 2.7LTS DOHC	125	2001	2006
BALDWIN	PA4309	HYUNDAI	SANTA FE 2.4	G4JS-G	107	2001	2006
FRAM	CA9441	TOYOTA	HILUX 2.4	4L 2.4LTS 16V INJECTION 22R-E	78	1998	1999
HENGST	E757L						
MAHLE	LX1041						
MANN	C2632						
MANN	C26321						
PUROLATOR	A45387						
SAKURA	A2820						

MK-9482



H = 48 mm
L = 289 mm
W = 150 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	17801-0D020	TOYOTA	AVENSIS 1.8	1.8 L VVT-I 1ZZ-FE	92	2000	2008
TOYOTA	17801-22020	TOYOTA	AVENSIS 2.0	4 CIL 2.0L 1AZFSE		2003	2006
FRAM	CA9482	TOYOTA	CALDINA 1.8 VVT-I	1ZZ-FE	92	2002	
LUBER-FINER	AF3595	TOYOTA	COROLLA 1.4 VVT-I	4ZZ-FE		2002	
LYS	AFL2202	TOYOTA	COROLLA 1.5 VVT-I	1NZ-FE	76	2000	
MAHLE	LX1286	TOYOTA	COROLLA 1.6	4L 1.6LTS 16 VALVE VVT-I 3ZZ-FE	82	2003	2008
MANN	C2620	TOYOTA	COROLLA 1.8	2ZZ-GE		2002	2007
PUROLATOR	A25463	TOYOTA	COROLLA 1.8	4L 1.8LTS 16V VVT-I 1ZZ-FE	102	2002	2008
SAKURA	AT180	TOYOTA	COROLLA 1.8 VVT-I	1ZZ-FE	92	2000	2008
		TOYOTA	COROLLA FIELDER 1.8	2ZZ-GE		2004	2007

MK-94973



H = 60 mm

L = 180 mm

W = 169 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HONDA	17220-RB0-000	HONDA	CITY 1.5	L15A	85	2009	
HONDA	17220-RB6-Z00	HONDA	FIT 1.4	I-VTEC	74	2008	
BALDWIN	PA10380	HONDA	FIT 1.5	L15A3	85	2008	
FRAM	CA10650						
LUBER-FINER	AF4055						
MAHLE	LX 2693						
MANN	C 18 004						
PUROLATOR	A26052						
SAKURA	A-16810						

MK-95021



H = 224 mm

OD = 143 mm

ID1 = 72 mm

ID2 = 62 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16546-95001	NISSAN	FRONTIER 3.0 DI	ZD30DDT		2002	
NISSAN	16546-95000	NISSAN	FRONTIER 3.0 TD	ZD30DDT	110	2004	2008
NISSAN	16546-95001	NISSAN	FRONTIER AX 2.5 D	YD25DDTI	98	2004	
NISSAN	16546-E6810	NISSAN	PICK UP D-22 FRONTIER	4L 3.0LTS TURBO DIESEL		2005	2008
NISSAN	16546-VK500	NISSAN	TERRANO 3.0 TDI	ZD30DDTI	113	1999	2005
LYS	AFL9501HD	NISSAN	TERRANO 3.2 TDI	QD32ETI	110	1996	1999
PUROLATOR	AFP5151						
SAKURA	A1864						

MK-95365



H = 217 mm

OD = 235 mm

ID1 = 132 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	17801-0U010	HINO	300 SERIES	N04C		2011	
HINO	17801-78110	HINO	DUTRO 4.0	N04C-UV		2011	
DONALDSON	P634614						
PARTMO	AP78090						
PUROLATOR	AF-17801						
SAKURA	A-13570						
TECFIL	ARS7803						

MK-9551



H = 188 mm

OD = 230 mm

ID1 = 168 mm

ID2 = 76 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	28130-4A001	HYUNDAI	H1 (STAREX) 2.5 TD	D4BH	74	2002	
FRAM	CA9551	HYUNDAI	H1 STAREX 2.4	2.4 DIESEL	92	2004	2006
LUBER-FINER	AF8917	HYUNDAI	H1 STAREX 2.5 D	D4BH	59	1997	2007
LYS	AFL8130HD						
MANN	C24196						
PUROLATOR	A18912						
PUROLATOR	AFP5154						
SAKURA	A2812						

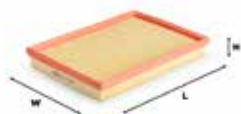
MK-95773



H = 378 mm
OD = 300 mm
ID1 = 190 mm
ID2 = 12 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DAF	667078	SCANIA	K113CLB	DN11			
IVECO	8122408	SCANIA	K113CLB	DSC11			
SCANIA	395773	SCANIA	K114	DC11			
BALDWIN	PA2813	SCANIA	K114	DSC11			
DONALDSON	P771575	SCANIA	K124	DC12			
FLEETGUARD	AF25066	SCANIA	K124	DSC12			
FRAM	CA9381	SCANIA	K230	DC9			
HENGST	E218L	SCANIA	K93	DS9			
MANN	C 30 703	SCANIA	K94	DSC9			
PUROLATOR	AF-10301	SCANIA	P113	DS11			

MK-96339



H = 38 mm
L = 257 mm
W = 190 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	24512521	CHEVROLET	N300 1.2	LAQ		2012	2015
CHRYSLER	04891176AA						
CHRYSLER	4891176AA						
BALDWIN	PA4314						
FRAM	CA8747						
LUBER-FINER	AF7975						
MAHLE	LX 1758						
MANN	C 2681						
PUROLATOR	FA-12521						
SAKURA	A-66130						

MK-9902



H = 45 mm
L = 225 mm
W = 188 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	96536696	CHEVROLET	AVEO 1.6	4L 1.6LTS E-TEC II 16 VALVE	79	2005	2010
DAEWOO	96536696						
DAEWOO	96536697						
FRAM	CA9902						
LUBER-FINER	AF3975						
MAHLE	LX1915						
MANN	C2324						
PARTMO	AP3196						
PUROLATOR	A25588						



FILTROS DE COMBUSTIBLE

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 eficacia. 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.



MF-10033



H = 246 mm

OD = 94 mm

TH = 1"-14

DRAIN = M14 x 2

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CUMMINS	3406889	CUMMINS	ISB02				
CUMMINS	3954891	CUMMINS	ISM02				
CUMMINS	4070801	FORD	F-750	ISB6.7			
BALDWIN	BF1293-SPS	FREIGHTLINER	CARGO	ISB			
DONALDSON	P551103	FREIGHTLINER	FC70	ISB			
FLEETGUARD	FS1003	FREIGHTLINER	FC80	ISB			
FRAM	PS8687	FREIGHTLINER	XB-SERIES	ISB			
LUBER-FINER	LFF1003	FREIGHTLINER	XC-SERIES	ISB			
MANN	WK 10 017 X	KENWORTH	K300	PX8			
SAKURA	SFC-5509-10	KENWORTH	T270	PX8			

MF-1104



H = 172 mm

OD = 94 mm

TH = 1"-14

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	1P2299	FREIGHTLINER	CENTURY C112	CAT 3176			
MERCEDES BENZ	3900920001	FREIGHTLINER	CENTURY C120	CAT 3306			
VOLVO	3130947	MERCEDES-BENZ	BUS 366 MONOBLOCK	6L		1997	1998
BALDWIN	BF970						
DONALDSON	P557440						
FLEETGUARD	FF185						
FRAM	P1104						
MANN	WK95013						
PUROLATOR	PER232						
SAKURA	FC1805						

MF-1109



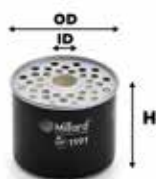
H = 202 mm

OD = 109 mm

TH = 13/16"-18

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VOLVO	3130913	MACK	CL713	E7			
BALDWIN	BF877	MACK	MR688S	E7			
DONALDSON	P550219						
FLEETGUARD	FF172						
FRAM	P1109						
LYS	LFP31						
MANN	WK11801						
PARTMO	A31						
PUROLATOR	PER31						
SAKURA	FC2304						

MF-1191



H = 72 mm

OD = 88 mm

ID1 = 19 mm

ID2 = 17 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	5W6081	PEUGEOT	BOXER	4 CIL 2.5 TD T8A		1998	2000
CITROËN	1906.08						
PERKINS	32337						
BALDWIN	BF825						
DONALDSON	P557111						
FRAM	C1191						
LUBER-FINER	L269F						
LUCAS-CAV / DELPHI	CAV296						
LYS	LFP150						
MANN	P917						

MF-12156



H = 108 mm
OD = 76 mm
ID2 = 10 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FLEETGUARD	FF5955	CHEVROLET	S10 2.8 CTDI			2013	
MAHLE	KX 444 D						
SAKURA	EF-65030						
TECFIL	PEC3029						

MF-12525



H = 104 mm
OD = 106 mm
IN = 10 mm
OUT = 10 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	31112-1R000	HYUNDAI	ACCENT 1.4	G4LC	79	2014	
KIA	31112-1R000	HYUNDAI	ACCENT 1.6	G4FC	94	2012	
KIA	31112-1R100	HYUNDAI	EON 0.8	G3HA	41	2011	
LYS	LFGT4000	HYUNDAI	EON 1.0	G3LA	51	2013	
SAKURA	FS-28290	HYUNDAI	SANTA FE 2.4	G4KJ		2012	
		HYUNDAI	TUCSON 2.0	G4KD	120	2009	
		HYUNDAI	TUCSON 2.4	G4KE	128	2014	
		KIA	RIO 1.2	G4LA	63	2015	
		KIA	RIO 1.4	G4FA	81	2011	2015

MF-13121



H = 54 mm
OD = 30 mm
IN = 6,8 mm
OUT = 6,8 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BAJAJ	DD121013	BAJAJ	MOTOTAXI RE 4 TIEMPOS	AAFB	8	2013	
		BAJAJ	PULSAR 135		10		
		BAJAJ	TORITO 4 TIEMPOS	AAFB	8	2013	

MF-1408



H = 118 mm
OD = 48 mm
IN = 6.3 / 8 mm
OUT = 6.3 / 8 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHRYSLER	2084258	ASIA MOTORS	TOWNER CD-800 PICKUP	98-UP		1998	1998
FORD	A780X9155AA	FIAT	CITY 1.3			1992	
PEUGEOT	156703	FIAT	ELBA 1.6	146 B6.011	65	1990	1994
RENAULT	7700544588	FIAT	FIORINO 1.0	146 B4.011	35	1994	1995
FRAM	G12	FIAT	PREMIO 1.5	8V	60	1991	1993
LUBER-FINER	G1	FIAT	UNO 1.5	138 B3.011	53	1987	1993
LYS	LFG120	MAZDA	323	4L 1.3LTS CARBURATED	50	1996	1999
MANN	WK 42/1	MAZDA	323	4L 1.6LTS CARBURATED	73	1991	1999
PUROLATOR	GFT1	MAZDA	323 CARB	B6	65	1991	1999
SAKURA	FS10041						

MF-14564



H = 142 mm

OD = 93 mm

TH = M20x1.5

DRAIN = M22 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
mitsubishi	ME132525	MITSUBISHI	CANTER 5.2	4M51		2002	2004
mitsubishi	ME132526						
mitsubishi	XE132525						
MITSUBISHI-FUSO	ME132526						
DONALDSON	P505960						
FRAM	P9529						
LUBER-FINER	LFF5982						
MAHLE	KC208						
MANN	WK94037X						

MF-15901



H = 101 mm

OD = 92 mm

ID1 = 27 mm

ID2 = 14 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	000 090 12 51	FREIGHTLINER	FS65	MERCEDES BENZ MBE924			
MERCEDES BENZ	000 090 15 51						
MERCEDES BENZ	A 906 090 00 51						
MERCEDES BENZ	A 906 092 01 05						
BALDWIN	PF7735						
DONALDSON	P550632						
FLEETGUARD	FF5380						
LUBER-FINER	L8701F						
MANN	PU 1046/1 X						
SAKURA	EF-2636						

MF-15969



H = 216 mm

OD = 96 mm

TH = N/A

IN = 10 mm

OUT = 10 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	2H0 127 401 B	VOLKSWAGEN	AMAROK 2.0 TDI	CDCA	90	2010	
VW GROUP	2H0127401A						
FRAM	P11238						
HENGST	KL 787						
MANN	WK 9016						

MF-16262



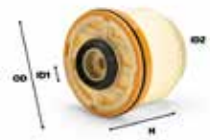
H = 77 mm

OD = 84 mm

ID1 = 22 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8-98101749-3	TOYOTA	FORTUNER 3.0	4 CIL 3.0L 1KDFTV		2007	2008
TOYOTA	23390-0L010	TOYOTA	FORTUNER 3.0 D4-D	1KD-FTV	80	2005	
TOYOTA	23390-0L011	TOYOTA	HIACE 2.5	4 CIL 2.5L 2KDFTV		2004	2004
DONALDSON	P505973	TOYOTA	HIACE 2.5	4 CIL 2.5L 2KDFTV		2004	2004
FLEETGUARD	FF5764	TOYOTA	HIACE 3.0	4 CIL 1KDFTV		2007	
FRAM	C10353	TOYOTA	HILUX 2.5	4 CIL 2.5L 2KDFTV		2005	2008
LYS	LP9010	TOYOTA	HILUX 2.5 D4-D	2KD-FTV		2005	2011
MAHLE	KX268D	TOYOTA	HILUX 3.0	4 CIL 3.0L 1KD-FTV		2005	2008
		TOYOTA	HILUX 3.0 D4-D	4 CIL 3.0L 1KD-FTV		2013	2015
		TOYOTA	HILUX 3.0 D4-D	4 CIL 3.0L 1KD-FTV		2013	2015

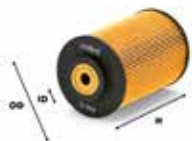
MF-16263



H = 77 mm
OD = 84 mm
ID1 = 22 mm
ID2 = 9 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8-98159693-0	ISUZU	D-MAX 3.0	4JJ1-T		2016	2016
MITSUBISHI	1770A233	MITSUBISHI	L200 2.4	4N15		2015	
TOYOTA	23390-0L041	TOYOTA	FORTUNER 2.5	2KD-FTV		2009	2012
TOYOTA	23390-YZZA1	TOYOTA	FORTUNER 3.0	1KD-FTV		2006	2012
TOYOTA	23390-YZZA2	TOYOTA	HIACE 2.5	2KD-FTV		2013	
DONALDSON	P505973	TOYOTA	HIACE 3.0	1KD-FTV		2005	2014
FLEETGUARD	FF5764	TOYOTA	HIACE 3.0	5L-E		2005	2005
FRAM	C10353ECO	TOYOTA	HILUX 2.5	2KD-FTV		2005	2015
LYS	LP9010	TOYOTA	HILUX 3.0	1KD-FTV		2004	2015
SAKURA	F-11112	TOYOTA	HILUX 3.0	5L-E		2004	2015

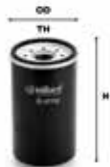
MF-17033



H = 113 mm
OD = 70 mm
ID1 = 11 mm
ID2 = 11 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	5004 783	CASE	D8-71				
MERCEDES BENZ	A 000 470 09 22	CASE	D8-71				
MERCEDES BENZ	A 000 477 10 15	DAEWOO	DH200LC	D0846 HM			
BALDWIN	PF834	FORD	F-1000	D229-EC4			
DONALDSON	P550060	FORD	F-2000	D229-4			
FLEETGUARD	FF146	MERCEDES BENZ	O350 TOURISMO	OM 457 LA			
FRAM	C11860PL	MERCEDES BENZ	O403 TOURISMO	OM 457 LA			
MANN	P 707	MERCEDES BENZ	OF 1721	OM 924 LA			
PUROLATOR	P-1007						
SAKURA	F-2601						

MF-17712



H = 168 mm
OD = 96 mm
TH = 1"-14
DRAIN = 1 1/4"-10

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	2R0 127 177	VOLKSWAGEN	13.150	MWM 4.10 TCA		2000	
BALDWIN	BF1249-O	VOLKSWAGEN	13.170	6BTAA		2000	
FLEETGUARD	FS1105	VOLKSWAGEN	13.180	MWM 6.10 TCA	132	2000	2011
FRAM	PS11117	VOLKSWAGEN	13.190	6BTAA	104	2001	2005
LYS	LFWP2830NX	VOLKSWAGEN	17.210	6BTAA		2000	
MANN	WK 950/14	VOLKSWAGEN	17.210	MWM 6.10 TCA		2002	
PUROLATOR	FCO-177	VOLKSWAGEN	17.220	6CTAA		2006	2011
SAKURA	SFC-79140-30	VOLKSWAGEN	23.220	6CTAA	160	2001	2005
TECFIL	PSD970	VOLKSWAGEN	8.150 OD	MWM 4.10 TCA		2003	
		VOLKSWAGEN	9.150 OD	MWM 4.10 TCA	107	2001	2004

MF-17713



H = 250 mm
OD = 96 mm
TH = 1"-14
DRAIN = 1 1/4"-10

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	2R0 201 511	VOLKSWAGEN	13.150	MWM 4.10 TCA		2000	
VW GROUP	2R0 127 177	VOLKSWAGEN	13.170	6BTAA		2000	
DONALDSON	P551865	VOLKSWAGEN	15.180	MWM 6.10 TCA		2000	
FRAM	PS11117	VOLKSWAGEN	15.190	6BTAA	119	2001	2005
MANN	WK 950/14	VOLKSWAGEN	17.210	6BTAA		2002	
PUROLATOR	FCO-177	VOLKSWAGEN	17.210	MWM 6.10 TCA		2002	
SAKURA	SFC-79140-30	VOLKSWAGEN	17.310	6CTAA		2001	
TECFIL	PSD970/1	VOLKSWAGEN	18.310	6CTAA	223	2001	2005
		VOLKSWAGEN	23.210	MWM 6.10 TCA		2002	
		VOLKSWAGEN	31.260	6CTAA		2004	

MF-18713



H = 290 mm

OD = 119 mm

TH = M85x2

DRAIN = M14 x 2

CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO
CATERPILLAR 3964605	FREIGHTLINER	ARGOSY	SIGNATURE 600		
CUMMINS 3101871	FREIGHTLINER	CENTURY C120	CUMMINS SIGNATURE 600		
BALDWIN BF1274-SP	FREIGHTLINER	CENTURY CLASS S,T	CUMMINS ISX		
DONALDSON P551047	FREIGHTLINER	COLUMBIA	CUMMINS ISX		
FLEETGUARD FS1007	FREIGHTLINER	CORONADO	CUMMINS ISX15		
FRAM PS8688	INTERNATIONAL	9800 SERIES	CUMMINS ISX		
MANN WK 1270	INTERNATIONAL	9900I	SIGNATURE 600		
PUROLATOR F-75326	INTERNATIONAL	9900IX	SIGNATURE 600		
SAKURA SFC-5521	KENWORTH	T404	CUMMINS ISX		
	KENWORTH	T604	CUMMINS ISX		

MF-19060



H = 136 mm

OD = 110 mm

TH = 1"-14

DRAIN = 3" 3/4-10

CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO
FORD FIHZ-9365-A	FORD	CF-8000	7.8L		
HINO 23401-1440	FREIGHTLINER	CENTURY CST120	DETROIT DIESEL SERIES 60		
BALDWIN BF1223-O	FREIGHTLINER	FL60	CAT 3126		
DONALDSON P551852	HINO	R1JK	J08C-TT		
FLEETGUARD FS19687	HINO	SERIE 500	J05E		
FRAM PS7171	KING LONG	6800	CUMMINS ISB4.5 - EURO 5		2010
MANN WK 1142 X	VOLVO	FH 12-380	D12C	279	1998
PUROLATOR F65041	VOLVO	NH 12-460	D12C	338	1999
RACOR R60T					
SAKURA SFC-1306-10					

MF-19062



H = 181 mm

OD = 110 mm

TH = 1"-14

DRAIN = M14 x 2

CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO
MERCEDES BENZ 375 477 00 02	IVECO	EUROCARGO II 230 E 22	F4AE0681D	154	2006
SCANIA 139 3640	IVECO	EUROCARGO II 230 E 24	F4AE0681D		2005
BALDWIN BF1329	IVECO	STRALIS	CURSOR 9	243	2012
DONALDSON P551067	IVECO	TECTOR 240 E28S	NEF6	206	2011
FLEETGUARD FS19532	IVECO	TECTOR 260 E25	NEF6	186	2009
FRAM PS8486	IVECO	TECTOR 260 E28	NEF6	206	2012
LYS LFWP1223	VOLKSWAGEN	15.180	MWM 6.10 TCA		2000
MANN WK 1040	VOLKSWAGEN	17.180	MWM 6.10 TCA		2006
RACOR R60P					
SAKURA SFC-79122-30					

MF-19335



H = 184 mm

OD = 108 mm

TH = 1"-14

CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO
CATERPILLAR 1R-0770	CATERPILLAR	314D LCR	C4.2		2011
CATERPILLAR 326-1644	CATERPILLAR	319D	C4.2		2011
BALDWIN BF1399-SP	CATERPILLAR	320C L	3066T		2012
DONALDSON P550900	CATERPILLAR	320C LU	3066T		2012
DONALDSON P551010	CATERPILLAR	325C FP	3116		
FLEETGUARD FS20007	CATERPILLAR	325C L	3126		
FRAM PS10264	CATERPILLAR	330C LN	C9		
LUBER-FINER LFF6771SC	CATERPILLAR	330C MH	C9		2012
SAKURA SFC-55170					
TECFIL PSD644					

MF-2000	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 97 mm OD = 68 mm ID1 = 12 mm	CITROËN	1906.98	PEUGEOT	BOXER 2.8 HDI	8140.43S	94	2005	2006
	FIAT	71746975	SUZUKI	SPLASH 1.3			2008	
	FORD	9S519176AA	SUZUKI	SWIFT III 1.3	D13A		2005	2010
	OPEL	8135690	SUZUKI	SWIFT III 1.3	Z13DT		2005	2010
	PEUGEOT	190697	SUZUKI	SWIFT IV 1.3	D13A		2010	
	PEUGEOT	1906C4						
	SUZUKI	1541I-84E50						
	SUZUKI	1541IT84E60						
	FRAM	C10026						
	MANN	PU723X						

MF-20203	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 246 mm OD = 112 mm ID1 = 17 mm ID2 = 21 mm	RACOR	2020PM	CATERPILLAR	3406C 2AM-ON				
	CATERPILLAR	1346307	CATERPILLAR	3406C 4BM-ON				
	BALDWIN	PF7890-30	CATERPILLAR	3508 CNE1-ON				
	DONALDSON	P552024	CATERPILLAR	3512 24Z1-777				
	FLEETGUARD	FS20203	CATERPILLAR	3516 25Z1-458				
	FRAM	CS10965	FREIGHTLINER	FLD120	CUMMINS N14			
	LUBER-FINER	L2020F30	FREIGHTLINER	FLD120	DETROIT DIESEL SERIES 60			
	LYS	LWP2020P	FREIGHTLINER	FLD12042ST	CUMMINS M11			
	SAKURA	SF-1912-30	FREIGHTLINER	FLD12062ST	CUMMINS L10			
	TECFIL	PD202/1	FREIGHTLINER	FLD120SD	CATERPILLAR C15			

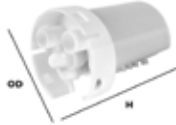
MF-20259	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 289 mm OD = 119 mm TH = 1 1/4"-12	CATERPILLAR	31-0754	INTERNATIONAL	9200I	CATERPILLAR C11			
	CUMMINS	3313306	INTERNATIONAL	9200I	CATERPILLAR C13			
	BALDWIN	BF596	INTERNATIONAL	9400I	CUMMINS ISM			
	DONALDSON	P550202	KOMATSU	HD785-5	CUMMINS QST30			
	FLEETGUARD	FF202						
	FRAM	P3430A						
	LUBER-FINER	LFF202						
	LYS	LFP202						
	MANN	WK 12 111						
	SAKURA	FC-5703						

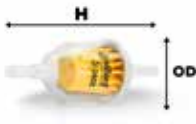
MF-20403	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 118 mm OD = 112 mm ID1 = 17 mm ID2 = 21 mm	RACOR	2040PM	FREIGHTLINER	FLD120	CUMMINS N14			
	BALDWIN	PF7889-30	FREIGHTLINER	FLD120	DETROIT DIESEL SERIES 60			
	DONALDSON	P552044	FREIGHTLINER	FLD12042ST	CUMMINS M11			
	FLEETGUARD	FS20403	FREIGHTLINER	FLD12062ST	CUMMINS L10			
	FRAM	CS3558	FREIGHTLINER	FLD120SD	CUMMINS N14			
	LUBER-FINER	LFF2040N	FREIGHTLINER	FLD120SD	DETROIT DIESEL SERIES 60			
	LYS	LWP2040P	FREIGHTLINER	FLD132	CUMMINS N14			
	PUROLATOR	FSP-204030	FREIGHTLINER	FLD132	DETROIT DIESEL SERIES 60			
	SAKURA	SF-1913-30						
	TECFIL	PD204/1						

MF-20780	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 99 mm OD = 95 mm ID1 = 27 mm	HINO	23355-78020	HINO	300 SERIES	N04C	90		
	HINO	S23401-1740L	HINO	DUTRO 4.7	J05D-T	130	2005	
	ISUZU	1-13240194-0	ISUZU	FORWARD 7.1	6HE1-T	171	1990	1999
	MITSUBISHI	ME300361	ISUZU	FRR500	6HH1	157	1996	2000
	BALDWIN	PF9897	ISUZU	FRR525	6HK1-TCC			
	DONALDSON	P502226	ISUZU	FSS500	6HH1	157	1996	2000
	FLEETGUARD	FF5363	ISUZU	FTS750	6HK1-TCC			
	LYS	LP78020	ISUZU	FVD950	6SD1			
	SAKURA	F-1306	ISUZU	FVL1400	6SD1-TC	203		
	SAKURA	F-1507	MITSUBISHI	FIGHTER	6M60-I6		2003	2008

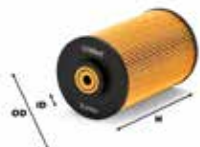
MF-20785	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 194 mm OD = 95 mm ID1 = 28 mm	HINO	23304-EV080	HINO	500 SERIES	J07E		2011	
	HINO	23304-EV081	HINO	500 SERIES	J08E		2011	
	HINO	23304-EV082	HINO	500 SERIES	J08E-TB			
	HINO	23304-EV140	HINO	500 SERIES	J08E-TE			
	HINO	S2340-11730	HINO	700 SERIES	E13C		2004	2010
	NISSAN	16403-Z900J	HINO	700 SERIES	E13C-VG		2011	
	DONALDSON	P502426	HINO	700 SERIES	E13C-WB		2011	
	FLEETGUARD	FS36212	HINO	RANGER	A09C			
	LYS	LP2178	HINO	SH 2045	E13C			
	SAKURA	SF-1307	HINO	SH 2848	E13C			

MF-22950	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 262 mm OD = 109 mm TH = M32x1.5	HINO	S2340-11700	VOLVO	FH 16-660	D16E 660	485	2006	
	VOLVO	20430751	VOLVO	FH 16-660	D16E 660	485	2008	
	VOLVO	20972293	VOLVO	FH 420	D13C-420, D13K-420 E6	309	2013	
	BALDWIN	BF7943	VOLVO	FH 460	D13C-460, D13K-460 E6	338	2013	
	DONALDSON	P550529	VOLVO	FH 500	D13C-500, D13K-500 E6	368	2013	
	FLEETGUARD	FF254	VOLVO	FH 540	D13C-540, D13K-540 E6	397	2013	
	FRAM	P9626						
	MANN	WDK 11 102/11						
	PUROLATOR	PER-751						
	SAKURA	FC-7104						

MF-23030	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 140 mm OD = 97 mm IN = 19.8 mm OUT = 20 mm	TOYOTA	23300-23030	TOYOTA	BB 1.3 VVT-I	2NZ-FE	62	2000	
	TOYOTA	23300-23040	TOYOTA	PLATZ 1.0 VVT-I	1SZ-FE	48	1999	2001
	TOYOTA	23300-28030	TOYOTA	PLATZ 1.5 VVT-I	1NZ-FE	76	1999	2006
	TOYOTA	23300-28040	TOYOTA	PROBOX 1.5	1NZFE		2001	2006
	PUROLATOR	FF-23040	TOYOTA	RAV4 2.0	4L 2.0LTS DOHC 16 VALVE 1AZ-FE	110	2001	2003
	SAKURA	FS1150	TOYOTA	RAV4 2.4	2AZ-FE	123	2008	2011
			TOYOTA	VITZ 1.0 VVT-I	1SZ-FE	48	1999	
			TOYOTA	VITZ 1.5 VVT-I	1NZ-FE	76	2000	
			TOYOTA	YARIS 1.0 VVT-I	1SZ-FE	48	1999	2005
			TOYOTA	YARIS 1.3	2SZ-FE		2009	

MF-2405	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 103 mm OD = 36 mm IN = 6 mm OUT = 6 mm	AUDI	191 201 511A	AUDI	100 SERIES	L4 1.8L		1970	1971
	VW GROUP	191 201 511 A	AUDI	100 SERIES	L4 1.9L		1972	1974
	BOSCH	450904001	AUDI	90	L4 1.8L		1970	1972
	DONALDSON	P550094	AUDI	FOX	L4 1.5L		1973	1974
	FLEETGUARD	FF240	AUDI	SUPER 90	L4 1.8L		1969	1972
	FRAM	G4164	BMW	1800	L4 1.8L		1969	1969
	LUBER-FINER	G115	BMW	2000	L4 2.0L		1969	1972
	LYS	LFG123	BMW	2002	L4 2.0L		1966	1976
	MANN	WK32	BMW	2500	L6 2.5L		1971	1971
	PUROLATOR	F20011	BMW	2800	L6 2.8L		1971	1973

MF-26255	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 110 mm OD = 90 mm ID1 = 33 mm	TOYOTA	23390-0L070	TOYOTA	FORTUNER 2.8	1GD-FTV	132	2015	
	TOYOTA	23390-0L090	TOYOTA	HILUX 2.4 D	2GD-FTV	110	2015	
	BOSCH	0986AF6292	TOYOTA	HILUX 2.8	1GD-FTV	132	2015	
	FLEETGUARD	FF5890						
	HENGST	E467KP D384						
	LYS	LP11001						
	SAKURA	F-11140						
	TECFIL	PC953						

MF-27053	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 144 mm OD = 83 mm ID1 = 11 mm ID2 = 11 mm	CATERPILLAR	31-1212	MAN BUS (NEOMAN)	16.290 HOC	D2866 TOH			
	MERCEDES BENZ	477 45 15	MAN BUS (NEOMAN)	22.360 HOCLN	D2866 KOH			
	VOLVO	7233897	MAN BUS (NEOMAN)	292	D2866 TUH			
	BALDWIN	PF950	MAN BUS (NEOMAN)	292 F, HF	D2866 TUH, 290			
	DONALDSON	P550861	MAN BUS (NEOMAN)	362 F	D2866 KUH, 360			
	FLEETGUARD	FF147	MAN BUS (NEOMAN)	EL 202, EL 202F	D0826 LUH			
	MANN	P811	MAN BUS (NEOMAN)	NG 263	D2866 LUH22, 27			
	PUROLATOR	P-134-S	MAN BUS (NEOMAN)	NG 313	D2866 LUH26			
	SAKURA	F-2604	MAN BUS (NEOMAN)	SG 240 H	D2866 TUH, 290			
			MAN BUS (NEOMAN)	UEL 242	D2866 UH, 240			

MF-28270	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 93 mm OD = 87 mm ID1 = 12 mm ID2 = 20 mm	HINO	23304-78221	HINO	300 SERIES	N04C		2011	
	HINO	23304-EV050	HINO	300 SERIES	N04C-UV	110	2002	2011
	HINO	23304-EV051	HINO	500 SERIES	S05D		2004	2006
	TOYOTA	23390-78220	HINO	DUTRO	J05C		2000	2008
	DONALDSON	P502530	HINO	DUTRO 4.0	N04C		2004	2006
	FLEETGUARD	FF5734	HINO	DUTRO 4.0	N04C-TH		2006	2011
	LYS	LP2177	HINO	DUTRO 4.0	N04C-TK		2006	2010
	PUROLATOR	FFP-8221	HINO	DUTRO 4.7	J05D-T	130	2005	
	SAKURA	EF-11110	HINO	DUTRO 4.9	S05D		1999	2006
	SAKURA	EF1112	TOYOTA	ACE TRUCK 4.0	N04C-T		2011	

MF-28275



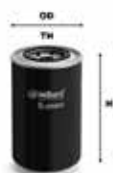
H = 115 mm

OD = 99 mm

ID1 = 12 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	SX001-08713	HINO	BLUE RIBON	6HK1-T		2012	
HINO	SX001-12580	HINO	RAINBOW	6HK1-T		2007	2012
ISUZU	8-98162897-0	ISUZU	ELF NJR	4JJ1-TCS			
ISUZU	8-98203-599-0	ISUZU	ELF NLR	4JJ1-TCS			
NISSAN	16403-89T0C	ISUZU	ELF NPR	4JJ1-TCS			
BALDWIN	PF9919	ISUZU	FORWARD 5.2	4HK1-TCS			
DONALDSON	P502427	ISUZU	FORWARD 7.8	6HK1-TCC			
FLEETGUARD	FS36243	MAZDA	TITAN 3.0	4JJ1-T			
PUROLATOR	FF-10301	MAZDA	TITAN 4.6	4HV1	95	2011	2012
SAKURA	EF-1509	NISSAN	ATLAS 3.0	4JJ1-T			

MF-29341



H = 181 mm

OD = 110 mm

TH = 7/8"-14

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
INTERNATIONAL (IHC)	672603-C1	FREIGHTLINER	CONDOR	CAT C10			
INTERNATIONAL (IHC)	672603-C2	FREIGHTLINER	CONDOR	CAT C7			
BALDWIN	BF588						
DONALDSON	P552603						
FLEETGUARD	FF5019						
FRAM	P3380						
LYS	LFP14						
PUROLATOR	R-31						
SAKURA	FC-7933						

MF-29882



H = 177 mm

OD = 84 mm

TH = 3/4"-16

DRAIN = M36 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16403-06J60	NISSAN	AX 3.2 D	QD32	76	1998	2005
NISSAN	16405-01T70	NISSAN	FRONTIER	4 CIL 2.7L TD27		2004	2004
BOSCH	0986AF6009	NISSAN	FRONTIER	4 CIL 3.0L ZD30		2003	2007
FLEETGUARD	FF5368	NISSAN	FRONTIER 3.0 TD	ZD30DDT	110	2004	2008
FRAM	P5162	NISSAN	FRONTIER D22	V6 3.2L QD32		1997	2000
LYS	LFP571	NISSAN	NAVARA 2.5	YD25DDTI		2009	2012
MAHLE	KC239	NISSAN	NAVARA 2.5	YD25DDTI	128	2009	2012
MANN	WK 850/1	NISSAN	PATHFINDER 2.5 TDI	YD25DDTI	98	2005	
SAKURA	FC1807	NISSAN	TERRANO 3.2 TDI	QD32ETI	110	1996	1999
SAKURA	FC1809						

MF-30166

H = 188 mm

OD = 84 mm

ID1 = 37 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
RENAULT TRUCKS	50 21 185 601	SCANIA	124 SERIES, P 124	DT1202,08 (EURO 3)			
SCANIA	145 9762	SCANIA	P SERIES, P 470	DT12 06-470 E3			
SCANIA	187 3016	SCANIA	P SERIES, P 480	DT12 17-480 E4			
BALDWIN	PF7936	SCANIA	R SERIES, R 230	DC9 16-230 E4			
DONALDSON	P550653	SCANIA	R SERIES, R 270	DC9 17-270 E4			
FLEETGUARD	FF5684	SCANIA	T SERIES, T 470	DT12 06-470 (EURO 3)			
MANN	PU941/1X	SCANIA BUS, SCANIA-IRIZAR	PB, IRIZAR PB, PB 12.3 12.9, 13.8 15.3	DT 12 03 470			
SAKURA	EF-83020	SCANIA BUS, SCANIA-IRIZAR	PB, IRIZAR PB, PB 12.3 12.9, 13.8 15.3	DT 12 12 420			
		SCANIA BUS, SCANIA-IRIZAR	PB, IRIZAR PB, PB 12.3 12.9, 13.8 15.3	DT 12 17 480			

MF-30188



H = 188 mm
OD = 84 mm
ID1 = 37 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
SCANIA	142 9059	SCANIA	164 SERIES, T 164 V8 (164-580)	DC 16.01			
SCANIA	144 6432	SCANIA	R SERIES, R 230	DC9 13,DC9 19 E3			
BALDWIN	PF7896	SCANIA	R SERIES, R 270	DC9 12,DC9 20 E3			
DONALDSON	P550628	SCANIA	R SERIES, R 310	DC9 11,DC9 21 E3			
FLEETGUARD	FF5423	SCANIA	R SERIES, R 580	DC16 03-580 E3			
FLEETGUARD	FF5683	SCANIA	R SERIES, R 620	DC16 08-620 E4			
FRAM	C9517	SCANIA	R SERIES, R 620	DC16 17-620 E5			
LUBER-FINER	L5683F	SCANIA	T SERIES, T 500	DC16 04-500 E3			
MANN	PU941X	SCANIA	T SERIES, T 580	DC16 03-580 E3			
SAKURA	EF-8301						

MF-31100



H = 151 mm
OD = 71 mm
IN = 8 mm
OUT = 8 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	23300-31090	TOYOTA	4RUNNER 4.0	V6 4.0LTS 24 VALVE DOHC VVT-I 1GR-FE	183	2003	2008
TOYOTA	23300-31100	TOYOTA	FJ CRUISER 4.0	V6 4.0LTS DOHC 24V VVT-I 1GR-FE	178	2007	2009
TOYOTA	23300-31110						
FRAM	G10367						
MAHLE	KL536						
PUROLATOR	FF-1100						
SAKURA	FS11660						

MF-32970



H = 193 mm
OD = 102 mm
ID1 = 21 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	1-87610094-0	ISUZU	FORWARD 7.8	6HK1-T		2003	2008
ISUZU	8-98092481-0	ISUZU	FORWARD 7.8	6HK1-TC		2008	2011
ISUZU	8-98092481-1	ISUZU	FORWARD 9.9	6UZI	270	2008	
DONALDSON	P502502	ISUZU	GIGA 15.7	6WG1-TC		2000	2003
LYS	LP2182						
PUROLATOR	EP-2481						
SAKURA	EF-15130						
SAKURA	EF-15131						

MF-3401



H = 164 mm
OD = 93 mm
TH = 13/16"-18
DRAIN = M14 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CUMMINS	3890706	VOLKSWAGEN	40.300	6CTAA		1999	2001
CUMMINS	3925274						
BALDWIN	BF896						
FLEETGUARD	FS1280						
FLEETGUARD	FS19630						
FRAM	P3401						
HENGST	H17WK06						
LUBER-FINER	LFF3417						
LUBER-FINER	LFP3301F						
PARTMO	A43						

MF-3522



H = 156 mm
OD = 86 mm
TH = M16x1.5
DRAIN = M8 x 1.25

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
AUDI	068 127 177B	CUMMINS	ENGINES	6CTA-8.3L			
CITROËN	1906.6	KIA	CARENS 2.0 CRDI	D4EA	83	2002	2005
VOLVO	243464	VOLKSWAGEN	GOL 1.9	4 CIL 1.9L		1998	2004
BALDWIN	BF5587-D	VOLKSWAGEN	GOL 1.9 SD	1.9 SD	47	2002	
DONALDSON	P550248	VOLKSWAGEN	PARATI 1.9 SD	BGG	47	2002	
FLEETGUARD	FF42006	VOLKSWAGEN	SAVEIRO 1.9 SD	1.9 SD		1999	
FRAM	P3522						
LYS	LFP428						
PUROLATOR	F57248						
PUROLATOR	PER86						

MF-3541



H = 120 mm
OD = 71 mm
IN = M14x1.5
OUT = M12x1.25

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	31910-28300	HYUNDAI	ACCENT I 1.3	G4EH	55	1995	1998
MITSUBISHI	MB504746	HYUNDAI	ACCENT I 1.5	G4EK	65	1997	1999
TOYOTA	23300-11150	MITSUBISHI	ECLIPSE 2.0	4L 2.0LTS DOHC 16 VALVE	101	1993	1995
BALDWIN	BF1179	MITSUBISHI	GALANT 2.4	4L 2.4LTS	100	1992	1996
BOSCH	986450111	MITSUBISHI	LANCER 1.6	4L 1.8LTS INJECTION	90	1998	1999
FLEETGUARD	FF5703	MITSUBISHI	LANCER 1.8	4L 1.8LTS INJECTION		1998	1999
FRAM	G7194	MITSUBISHI	MONTERO LIMITED 3.8	V6 3.8LTS SOHC 24V	183	2005	2008
MANN	WK61424	TOYOTA	CALDINA 2.0	3S-FE	88	1996	2002
PUROLATOR	F44830	TOYOTA	CORONA PREMIO 2.0	3S-FE	88	1996	1998
SAKURA	FS1108	TOYOTA	TERCEL DX 1.5	5E-FE14	69	1998	1999

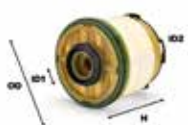
MF-36136



H = 92 mm
OD = 71 mm
ID1 = 20 mm
ID2 = 20 mm

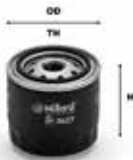
CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16400-00QAN	RENAULT	MASTER I 16V 2.5 DCI	DCI 2.5 16 V	85	2005	2012
RENAULT	164039587R	RENAULT	MASTER II 2.5 DCI 115	G9U-750	84	2006	2012
RENAULT	77 01 208 613	RENAULT	MASTER II 2.5 DCI 16V	G9U-750	114	2005	2012
FRAM	C9927ECO	RENAULT	MASTER III 2.3 DCI	M9T 676 686 690 692 696 698	92	2013	
HENGST	E90KP D164	RENAULT	MASTER IV 2.3	M9T 676		2010	
MAHLE	KX218D	RENAULT	MASTER IV 2.3 DCI 100	M9T670 676 690 692	74	2010	
MANN	P718X	RENAULT	MASTER IV 2.3 DCI 125	M9T676 686 690 692 696 698	92	2010	
		RENAULT	SCENIC 1.6	K4M 700, K4M 701, K4M 708, K4M 704, K4M-720	79	2000	2007
		RENAULT	TRAFIC II 2.5	G9U632		2006	
		RENAULT	TRAFIC II 2.5	G9U730		2002	2008

MF-36244



H = 85 mm
OD = 82 mm
ID1 = 22 mm
ID2 = 72 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	AB3J 9176 AC	FORD	RANGER 2.2 TDCI	DURATORQ	88	2012	2016
FORD	U20113ZA5A	FORD	RANGER 3.2 TDCI	DURATORQ	147	2012	2016
MAZDA	U2Y0-13-ZA5	MAZDA	BT-50 2.2 TDCI	DURATORQ	88	2012	2016
TOYOTA	23390-0L050	MAZDA	BT-50 3.2 TDCI	DURATORQ	147	2012	2016
FLEETGUARD	FF5954						
FRAM	C11507ECO						
LYS	LP2190						
SAKURA	EO-17010						

MF-3627	CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO
 H = 76 mm OD = 82 mm TH = 3/4"-16	ISUZU 5132400090	CHEVROLET	NPR	4HG1		
	ISUZU 5132400091	HITACHI	ZX130W	4BG1T		
	TOYOTA 23303-54070	ISUZU	D-MAX 2.5	4JA1-T		2004 2011
	BALDWIN BF954	ISUZU	D-MAX 3.0	4JH1		2002 2007
	DONALDSON P550057	ISUZU	ELF350	4HE1-T		1993 1995
	FLEETGUARD FF5030	ISUZU	ELF450	4HF1-T		1993 1995
	FRAM P3627	ISUZU	NHR	4JB1-TC	94	2001 2009
	LYS LFP1332	ISUZU	NKR	4JB1-TC	94	2001 2009
	PUROLATOR PER71	TOYOTA	COASTER 3.0	4L 3.0LTS	106	2002 2007
	SAKURA FC1804	TOYOTA	COASTER 4.1	4L 4.1LTS 15B-FT OHV	108	2006 2008

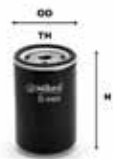
MF-36592	CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO
 H = 190 mm OD = 94 mm TH = M20x1.5 DRAIN = M14 x 2	CUMMINS 4897833	CUMMINS	ENGINES	ISB SERIES 4 CIL 3.9L		
	BALDWIN BF7813					
	BALDWIN BF7979					
	FLEETGUARD FS19636					
	FLEETGUARD FS19687					
	LYS LFP7833					
	MANN WK 9010					
	MANN WK9002					
	PUROLATOR FCO5421					
	SAKURA FC5725					

MF-37285	CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO
 H = 211 mm OD = 96 mm TH = M18x1.5	RENAULT TRUCKS 50 21 107 668	VOLVO	FH 12	D12A, B, C, D		1998 2002
	VOLVO 4207999	VOLVO	FH 12-340	D12A, B, C, D		1993 2002
	VOLVO 8193841	VOLVO	FH 12-380	D12A	279	1994
	BALDWIN BF7644	VOLVO	FH 12-380	D12C	279	1998
	DONALDSON P550372	VOLVO	FH 12-420	D12A	309	1996
	FLEETGUARD FF5272	VOLVO	FH 12-420	D12A	309	1996
	HENGST H18WK03	VOLVO	FH 12-420	D12A	309	1996
	LUBER-FINER LFF5784	VOLVO	FH 12-420	D12C	309	1998
	MANN WK962/7	VOLVO	NH 12-380	D12C380	279	1998 2003
	SAKURA FC-7102	VOLVO	NH 12-420	D12C420	308	1999

MF-39963	CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO
 H = 101 mm OD = 50 mm IN = 10 mm OUT = 10 mm	CUMMINS 4080720	ASHOK LEYLAND	BOSS			
	BALDWIN BF1173	ASHOK LEYLAND	LYNX BUS	BS III		
	DONALDSON P550974	ASHOK LEYLAND	U TRUCK	H SERIES ENGINE		
	FLEETGUARD FF5479	TATA	1.109	EX SERIES TURBO		
	LUBER-FINER L3523F	TATA	1.510	697 ENGINE BS-III		
		TATA	1.612	697 ENGINE BS-III		
		TATA	1109 ULTRA BUSES	497 - 4SP		
		TATA	1613	697 ENGINE BS-III		
		TATA	2.515	697 ENGINE BS-III		

MF-40147	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
	MERCEDES BENZ	A 400 477 04 01	BHARAT BENZ	1.214				
	mitsubishi-fuso	MX910095						
	RACOR	RFE5010						
	SAKURA	FC-10290						

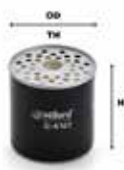
H = 118 mm
OD = 97 mm
TH = M23x1.5

MF-4102	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
	CATERPILLAR	9Y4421	VOLKSWAGEN	13.170	6BTAA		2000	
	SCANIA	326065	VOLKSWAGEN	13.190	6BTAA	104	2001	2005
	VOLVO	466897	VOLKSWAGEN	15.170	6BTAA		2000	2001
	VOLVO	8000250	VOLKSWAGEN	15.190	6BTAA	119	2001	2005
	DONALDSON	P553004	VOLKSWAGEN	17.210	6BTAA		2000	
	FRAM	P4102	VOLKSWAGEN	17.210	6BTAA		2002	
	LYS	LFP42	VOLKSWAGEN	17.220	6BTAA		2000	
	MANN	WK723	VOLKSWAGEN	17.220	6CTAA	160	2006	2011
	PUROLATOR	PC44	VOLVO	B12	THD122FL		1997	1998
	SAKURA	FC-7101	VOLVO	B58			1996	1998

H = 120 mm
OD = 78 mm
TH = M16x1.5

MF-41030	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
	CATERPILLAR	9Y-4421	VOLKSWAGEN	13.170	6BTAA		2000	
	CUMMINS	3903640	VOLKSWAGEN	13.190	6BTAA	104	2001	2005
	VOLVO	241672-5	VOLKSWAGEN	15.170	6BTAA		2000	2001
	VOLVO	466987-3	VOLKSWAGEN	15.190	6BTAA	119	2001	2005
	BALDWIN	BF988	VOLKSWAGEN	17.210	6BTAA		2000	
	DONALDSON	P550440	VOLKSWAGEN	17.210	6BTAA		2002	
	FLEETGUARD	FF5052	VOLKSWAGEN	17.220	6BTAA		2000	
	FRAM	P4102PL	VOLKSWAGEN	17.220	6CTAA		2006	2011
	MANN	WK 723	VOLKSWAGEN	17.220	6CTAA	160	2006	2011
			VOLKSWAGEN	17.300	6CTAA		2000	

H = 117 mm
OD = 77 mm
TH = M16x1.5

MF-4161	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
	FORD	78GB-9150-AA	PEUGEOT	405 1.9 D GLD	DJZ (XUD9Y)			
	PERKINS	265088	PEUGEOT	605 2.1 TD	PHZ (XUD11ATE)			
	BALDWIN	BF884	PEUGEOT	605 2.5 TD STD	THY (DK5ATE)			
	DONALDSON	P556287						
	FLEETGUARD	FF4052A						
	FRAM	C4161						
	LYS	LFP796						
	MANN	P945						
	PUROLATOR	F53135						
	SAKURA	FC5101						

H = 111 mm
OD = 87 mm
ID1 = 19 mm
ID2 = 19 mm

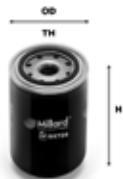
MF-41989



H = 216 mm
OD = 96 mm
IN = 10 mm
OUT = 10 mm
DRAIN = M10 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VOLKSWAGEN	2H0 127 401	VOLKSWAGEN	CRAFTER 2.0 TDI	CKTB	80	2011	
FRAM	P10695	VOLKSWAGEN	CRAFTER 2.0 TDI	CKTC	100	2011	
		VOLKSWAGEN	CRAFTER 2.0 TDI	CKUB, CSNA	120	2011	
		VOLKSWAGEN	CRAFTER 2.0 TDI	CKUC	105	2011	

MF-44724



H = 142 mm
OD = 94 mm
TH = M24x1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
SCANIA	1372444	SCANIA	K114	DSC11	252	1998	
SCANIA	1373082	SCANIA	K124	DSC12	265	1998	
BALDWIN	BF7624	SCANIA	P114	DSC11EURO2	252	1996	
DONALDSON	P550495	SCANIA	P124	DSC12EURO2	265	1996	
FLEETGUARD	FF5297	SCANIA	P94	DSC9EURO2	167	1995	
FRAM	P5797	SCANIA	R124	DSC12EURO2		1995	
LUBER-FINER	LFF8093	SCANIA	R144	DSC14EURO2		1995	
MANN	WK 940/12	SCANIA	T94	DSC9EURO2	167	1996	
PUROLATOR	FCO-4012						
SAKURA	FC-7913						

MF-4474



H = 133 mm
OD = 70 mm
IN = 7 mm
OUT = 7 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16400-59A00	NISSAN	SENTRA 1.6	GA16DE		1996	
NISSAN	16400-5T099A						
NISSAN	16400-61A00						
NISSAN	16400-70J10						
FRAM	G6344						
HENGST	122282						
LUBER-FINER	G2963						
MANN	WK 47						
PUROLATOR	F54495						
SAKURA	FS-1807						

MF-4777



H = 124 mm
OD = 59 mm
IN = 8 mm
OUT = 8 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8-94125-784-0	CHANA	PICK UP	4L 1.0LTS	39	2006	2007
NISSAN	16400-0W000	ISUZU	PICKUPS	4 CIL 2.3L CARB.		1995	1995
NISSAN	16400-0W005	NISSAN	FRONTIER 2.4	KA24DE		1998	2004
FRAM	G4777	NISSAN	MARCH	4 CIL 1.3L CGA3DE		2000	2002
LUBER-FINER	G2930	NISSAN	QASHQAI 1.6	HR16DE	79	2007	
LYS	LFG2100	NISSAN	SENTRA B14 1.8	4L 1.8LTS	93	1996	1999
MANN	WK66	NISSAN	SENTRA B14 2.0	4L 2.0LTS 16 VALVE DOHC SR20DE	100	1995	1999
PUROLATOR	F43178	NISSAN	SENTRA B-15	QG18DE	94	2000	2006
SAKURA	FS8001	NISSAN	TIIDA 1.6	HR16DE		2007	
		NISSAN	TIIDA 1.8	HR18DE		2007	

MF-4886



H = 138 mm

OD = 96 mm

TH = M20x1.5

DRAIN = M36 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	31945-44001	HYUNDAI	H1 STAREX 2.5 D	D4BH	59	1997	2007
HYUNDAI	31970-44000	HYUNDAI	H-100 FURGON	2.6 4L	84	2001	2005
ISUZU	8941214310	HYUNDAI	H-100 VAN	2.5L		2002	
KIA	OK46723570	ISUZU	ISUZU KB 2.8 TD	4JB1-T	57	1997	2002
MAZDA	145623570	ISUZU	NLR 2.8	4JB1-TC	91	2011	2012
MITSUBISHI	MB220900	KIA	CARNIVAL 2.9 CRDI	J3TC	136	2001	2006
FRAM	PS4886	KIA	PREGIO 2.5 D	D4BH	69	1999	
PUROLATOR	F60222	MITSUBISHI	CANTER 2.3 D	4D55		1980	1983
SAKURA	FC1001	MITSUBISHI	CANTER 2.8 D	4M40	69	1993	
		MITSUBISHI	L200 2.5 D	4D46	55	1996	2005

MF-4922



H = 138 mm

OD = 93 mm

TH = 3/4"-16

DRAIN = M36 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DAIHATSU	1861005420	MAZDA	BT-50 2.5 D	WLC	105	2007	2009
TOYOTA	23303-64010	MITSUBISHI	MONTERO 3.2 TDI DI-D	4M41-T	121	2007	
TOYOTA	23303-64020	NISSAN	PICK UP D-22 FRONTIER	4L 3.0LTS TURBO DIESEL		2005	2008
TOYOTA	23303-64021	TOYOTA	4RUNNER 3.0 TD	1KZ-TE	85	1997	2004
FRAM	PS4922	TOYOTA	CALDINA 2.0	2C		1992	1998
LYS	LFP305	TOYOTA	HIACE 2.4	4 CIL 2.4L 2L		1990	1993
MANN	WK828	TOYOTA	HIACE 2.4	4 CIL 2.4L 2L		1990	1993
PUROLATOR	F63180	TOYOTA	HILUX 3.0	4 CIL 3.0L 1KZTE		1995	1999
SAKURA	FC1104	TOYOTA	HILUX 3.0 D	4 CIL 3.0L 5L		1997	2005
SAKURA	FC1112	TOYOTA	LAND CRUISER 3.0	4 CIL 3.0L 1KZ		1999	2000

MF-5138



H = 139 mm

OD = 95 mm

TH = 3/4"-16

DRAIN = M36 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16400-VB201	NISSAN	ATLAS CONDOR 3.2 D	QD32	76	1997	2004
NISSAN	16400-VC100	NISSAN	AX 2.7 D	TD27	58	1997	2004
BALDWIN	BF7532	NISSAN	FRONTIER 3.0 DI	ZD30DDT		2002	
DONALDSON	P551351	NISSAN	FRONTIER 3.2 D	QD32	76	2005	
FLEETGUARD	FF5307	NISSAN	FRONTIER D-22 2.5	YD25DDTI	98	2002	2009
FRAM	P5138	NISSAN	PATHFINDER 4.0	VQ40DE	198	2001	2009
LYS	LFP354	NISSAN	PATROL 2.7	4 CIL 2.7L TD27T		1998	1998
MANN	WK 940/6	NISSAN	PATROL 2.8 TD	RD28ETI	95	1997	2000
PUROLATOR	F63181	NISSAN	PICKUP D21	4 CIL 2.5L TD25		1996	1997
SAKURA	FC1803	NISSAN	PICKUP D22	4 CIL 2.5L TD25		1998	2005

MF-5163



H = 122 mm

OD = 95 mm

TH = 3/4"-16

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16405-02N10	NISSAN	AX 3.2 D	QD32	76	1998	2005
BALDWIN	BF7602	NISSAN	FRONTIER	4 CIL 2.7L TD27		2004	2004
DONALDSON	P502163	NISSAN	FRONTIER	4 CIL 3.0L ZD30		2003	2007
FLEETGUARD	FF226	NISSAN	FRONTIER 3.0 TD	ZD30DDT	110	2004	2008
FRAM	P5163	NISSAN	FRONTIER D22	V6 3.2L QD32		1997	2000
LUBER-FINER	LFF8933	NISSAN	NAVARA 2.5	YD25DDTI		2009	2012
LYS	LFP356	NISSAN	PATHFINDER 2.5 TDI	YD25DDTI	98	2005	
MANN	WK93280	NISSAN	TERRANO 3.2 TDI	QD32ETI	110	1996	1999
PUROLATOR	F54555						
SAKURA	FC-1806						

MF-5237



H = 121 mm
OD = 64 mm
IN = 8 mm
OUT = 8 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16400-10Y00	NISSAN	ALMERA 1.8	4 CIL 1.8L QG18DE	84	2000	2006
NISSAN	16400-72L00	NISSAN	ALTIMA	4L 2.4LTS	115	1998	2001
FRAM	G5237	NISSAN	ALTIMA 2.5	QR25DE	121	2002	2006
LUBER-FINER	G6351	NISSAN	LIBERTY 2.0	SR20DE	92	1995	
LYS	LFG2149	NISSAN	MURANO 3.5	VQ35DE		2005	2009
MAHLE	KL202	NISSAN	PULSAR 1.5	4 CIL 1.5L GA15DE		1996	2000
MANN	WK56	NISSAN	PULSAR 1.6	4 CIL 1.6L GA16DE		1996	2000
PUROLATOR	F44663	NISSAN	SENTRA B13	GA16DE		2000	2010
SAKURA	FS1804	NISSAN	SENTRA 1.8 (16V) DOHC	QG18DE		2000	2006
		NISSAN	SENTRA B13 1.6	4L 1.6LTS 16 VALVE GA16DNE	88	1997	2008

MF-53152



H = 230 mm
OD = 129 mm
TH = N/A
IN = 10 mm
OUT = 10 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	2H0 127 401 D	VOLKSWAGEN	AMAROK 2.0 TDI		134	2016	
VW GROUP	2H0 127 401 E						
FRAM	PS12053						
MAHLE	KL 1079						
TECFIL	FC11275						

MF-5450



H = 58 mm
OD = 56 mm
IN = 7 mm
OUT = 7 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	23300-34100	NISSAN	PICK UP D11	4 CIL 2.4L FUEL INJ KA24		1997	1998
TOYOTA	23300-41031	TOYOTA	COROLLA 1.3	2E	48	1983	1994
TOYOTA	23300-87216	TOYOTA	COROLLA 1.8	7A-FE		1998	2002
VW GROUP	J2330034100	TOYOTA	HILUX 2.4	4L 2.4LTS 22R CARBURATED	81	1995	1999
FRAM	G4167	TOYOTA	TERCEL 1.3	2E		1986	1994
LUBER-FINER	G2917	TOYOTA	TERCEL 1.5	3AC		1980	1987
MANN	WK4210	TOYOTA	TERCEL 1.5	3AC		1980	1987
PUROLATOR	F20162						
PUROLATOR	F29157						
SAKURA	FS1103						

MF-5561



H = 126 mm
OD = 66 mm
IN = 8 mm
OUT = 8 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	31911-3A000	HYUNDAI	SANTA FE	V6 2.7LTS DOHC	125	2001	2006
RENAULT	7700820375	HYUNDAI	SANTA FE 2.4	G4JS-G	107	2001	2006
RENAULT	7700825495						
FRAM	G5561						
HENGST	H164WK						
MAHLE	KL146						
MANN	WK68						
PUROLATOR	F57591						

MF-5738



H = 178 mm
OD = 82 mm
IN = 9.5 mm
OUT = 9.5 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	337 133 511A	VOLKSWAGEN	FOX 1.6	4L 1.6LTS SOHC 8 VALVE	76	2005	2010
VW GROUP	377 133 511A	VOLKSWAGEN	GOL 1.0 8V	1.0 AT EFI 8V		1997	2001
VW GROUP	5X0201511	VOLKSWAGEN	GOL 1.6	1.6 AP EFI GASOLINA		1997	
FRAM	G5738	VOLKSWAGEN	GOL 1.6	4L 1.6LTS	63	1998	1999
MANN	WK6133	VOLKSWAGEN	GOL 1.8	1.8L 4L	82	2001	2009
		VOLKSWAGEN	GOL 1.8	4L 1.8LTS	75	2001	2005
		VOLKSWAGEN	GOL 1.8	4L 1.8LTS	75	2001	2005
		VOLKSWAGEN	GOL III 1.8	4L 1.8LTS UDH	75	1997	2007
		VOLKSWAGEN	PARATI 1.6	1.6 AP EFI		1996	
		VOLKSWAGEN	PARATI 1.8	1.8 4L	74	2001	2007

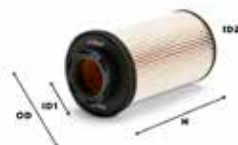
MF-5857



H = 139 mm
OD = 60 mm
IN = 8 mm
OUT = 8 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CITROËN	1567.85	CITROEN	C5 3.0	V6 3.0LTS DOHC 24 VALVE	157	2002	2007
CITROËN	1567.93	CITROEN	XANTIA 1.8 16V	LFY XU7JP4	81	1995	1998
DACIA	6001543138	CITROEN	XSARA 2.0 I 16V	RFS XU10J4RS	120	1997	2000
NISSAN	16400-00QAA	PEUGEOT	206 2.0	RFN EW10J4	100	2002	2004
PEUGEOT	156781	PEUGEOT	206 CC	4L 2.0LTS 16 VALVE EW10J4	103	2006	2008
RENAULT	7700845973	PEUGEOT	307 2.0 16V	RFK EW10J4S	130	2003	2008
FRAM	G5857	PEUGEOT	406 1.8 16V	LFY XU7JP4	81	1995	2000
MAHLE	KL72	RENAULT	CLIO 1.0 16V HI-FLEX	D4D	57	2006	
MANN	WK6002	RENAULT	CLIO 1.4	4L 1.4LTS	69	1996	2000
MANN	WK612	RENAULT	DUSTER 4X2 DYNAMIQUE	2.0 LTS DOHC 16V	99	2013	2014

MF-5932



H = 203 mm
OD = 107 mm
ID1 = 44 mm
ID2 = 13 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	5410900051	FREIGHTLINER	CENTURY CLASS S,T	MBE4000			
MERCEDES BENZ	A5410900151	FREIGHTLINER	CENTURY CLASS S,T	MBE460			
MERCEDES BENZ	A5410920305	FREIGHTLINER	COLUMBIA	CAT C13			
BALDWIN	PF7761	FREIGHTLINER	COLUMBIA	MBE4000			
DONALDSON	P550762						
FLEETGUARD	FF5405						
FRAM	C5932						
LUBER-FINER	L8994F						
MANN	PU9992X						
SAKURA	EF-2634						

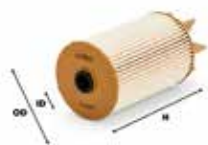
MF-5982



H = 134 mm
OD = 70 mm
IN = 8 mm
OUT = 8 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
SUZUKI	15410-65D00	SUZUKI	GRAND VITARA 2.5	V6 2.5LTS H25A DOHC 24V		1998	2005
SUZUKI	15410-65D10						
SUZUKI	15410-65D20						
BALDWIN	BF46211						
FRAM	G5982						
LUBER-FINER	G6591						
MANN	WK 614/47						
PUROLATOR	F55365						
SAKURA	FS-1410						

MF-60030



H = 162 mm

OD = 81 mm

ID1 = 11 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16403-4KV0A	NISSAN	FRONTIER 4.0	VQ40DE	198	2005	2007
LYS	LP2187	NISSAN	NAVARA 2.5	YD25DDT		2015	
SAKURA	EF-18050	NISSAN	NP 300 2.5	YD25DDTI		2014	
		NISSAN	NP 300 FRONTIER 2.5	YD25DDTI	140	2015	

MF-60255



H = 118 mm

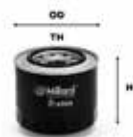
OD = 90 mm

IN = 10 mm

OUT = 8 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHRYSLER	05174056AA	MERCEDES-BENZ	C 200 CDI (W204) BLUE EFFICIENCY	OM 646.812			
FIAT	K71775178	MERCEDES-BENZ	C 220 CDI (W203)	OM 611			
MERCEDES BENZ	A6460920001	MERCEDES-BENZ	C 220 CDI (W203)	OM 646			
MERCEDES BENZ	A6460920301	MERCEDES-BENZ	C 320 CDI (W203)	OM 642.910			
BALDWIN	BF9846	MERCEDES-BENZ	CLS 350 CDI (219)	OM 642.920			
DONALDSON	P550808	MERCEDES-BENZ	E 200 CDI (W211)	OM 611			
FRAM	P9635	MERCEDES-BENZ	E 270 CDI (W211)	OM 647.961			
MANN	WK 820/1	MERCEDES-BENZ	ML 320 CDI (W164)	OM 642.940			
MANN	WK 820/2 X	MERCEDES-BENZ	SPRINTER 415 CDI	OM 646 LA			
PUROLATOR	F68305	MERCEDES-BENZ	SPRINTER 515 CDI	OM 646 LA			

MF-6066



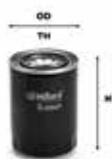
H = 82 mm

OD = 92 mm

TH = M20x1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MITSUBISHI	ME006066	HYUNDAI	CARGO	D6-BJP DIESEL		1996	1996
MITSUBISHI	ME016872	HYUNDAI	COUNTY 3.9	D4DD	89	2004	
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
LUBER-FINER	LFF8350	MITSUBISHI	CANTER 3.6 D	4D36	81	1993	1999
LYS	LFP220	MITSUBISHI	CANTER 3.9 TD	4D34-T	90	1989	1993
LYS	LFP68	MITSUBISHI	CANTER 4.2 D	4D33	68	1986	1995
MANN	WK81880	MITSUBISHI	CANTER 4.6	4 CIL 4.6L 4D35		1996	1999
PUROLATOR	PER149	MITSUBISHI	CANTER FE 444	4L 3.3LTS 4D31-OA,OAT	112	1991	

MF-60661



H = 125 mm

OD = 94 mm

TH = M20x1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MITSUBISHI	ME015254	MITSUBISHI	ENGINE, 4D31C				
MITSUBISHI	ME035393	MITSUBISHI	ENGINE, 4D31CT				
BALDWIN	BF720	MITSUBISHI	ENGINE, 6D15T				
DONALDSON	P550932	MITSUBISHI	ENGINE, 6D16				
FRAM	P7075	MITSUBISHI	FM, 215	6D14C			
MANN	WK 10 020	MITSUBISHI	MK,	6D15			
PUROLATOR	FCO-502	MITSUBISHI	ROSA 4.9	4M50-T		1997	1999
PUROLATOR	FF-502-R	MITSUBISHI	ROSA 5.2	4M51		1997	1999
SAKURA	FC-1003	MITSUBISHI (EXCAVATORS)	FK, 115J20				
SAKURA	FC-10280						

MF-61492	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 180 mm OD = 94 mm ID1 = 17 mm	DAVCO	380087	FREIGHTLINER	CENTURY C120	CUMMINS ISX			
	DETROIT DIESEL	23514049	FREIGHTLINER	CENTURY C120	CUMMINS M11			
	HINO	23304-E0020	FREIGHTLINER	CENTURY CLASS S,T	CAT C12			
	BALDWIN	PF7680	FREIGHTLINER	CENTURY CLASS S,T	CUMMINS ISM			
	DONALDSON	P550463	FREIGHTLINER	CENTURY CLASS S,T	CUMMINS ISX			
	FRAM	CS7772V	FREIGHTLINER	CENTURY CLASS S,T	DETROIT DIESEL SERIES 60			
	LUBER-FINER	L3578FN	INTERNATIONAL	9400I	CUMMINS ISX			
	LYS	LWP1029	INTERNATIONAL	9900I	CAT C15			
	PUROLATOR	F65273	INTERNATIONAL	9900IX	CAT C15			
	SAKURA	SF-27010	INTERNATIONAL	9900IX	CAT C16			

MF-618	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 163 mm OD = 60 mm IN = 8 mm OUT = 8 mm	VW GROUP	6X0201511B	CHEVROLET	CORSA 1.3	4L 1.3LTS	59	1996	1997
	FRAM	G5540	CHEVROLET	CORSA 1.4	4L 1.4LTS	62	1999	2004
	FRAM	G5978	CHEVROLET	CRUZE 1.8 16V FLEX	N18XFF	106	2011	
	LUBER-FINER	G6340	CHEVROLET	ONIX 1.0 8V FLEX	ECONO-FLEX	59	2012	2019
	MAHLE	KL83	CHEVROLET	PRISMA 1.0 8V ECONOFLEX	ECONO-FLEX	59	2013	2019
	MANN	WK512	CHEVROLET	PRISMA 1.4 8V ECONOFLEX	ECONO-FLEX	78	2013	2019
	PUROLATOR	F57318	CHEVROLET	SPIN 1.8 8V ECONOFLEX	N18XFH	82	2017	
			DAEWOO	MATIZ 0.8	3 CIL 0.8L F8CV		1998	2006
			SEAT	CORDOBA 2.0	4L 2.0 LTS 8 VALVE BBX	86	2003	2008
			VOLKSWAGEN	POLO 1.0	ALD, AUC	37	1999	2001

MF-619	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 163 mm OD = 60 mm IN = 8 mm OUT = 8 mm	DAEWOO	96507803	CHERY	QQ	0.8L		2007	
	SUZUKI	1541086Z00	CHERY	QQ	1.1L		2007	
	BOSCH	450905969	CHERY	QQ	4L 1.1LTS	50	2006	2008
	MAHLE	KL573	CHERY	TIGGO	4L 2.4LTS DOHC 16 VALVE	150	2006	2008
	MANN	WK553	CHEVROLET	AVEO 1.6	4L 1.6LTS E-TEC II 16 VALVE	79	2005	2010
	PUROLATOR	F65563	CHEVROLET	SPARK 1.0	4L 1.0LT S-TEC	50	2005	2013
			CHEVROLET	SPARK 1.0 8V	B10S	47	2006	
			CHEVROLET	SPARK 1.0 MA48	B10D1		2010	2017
			CHEVROLET	SPARK 1.2 M300	B12D1		2010	2012
			SUZUKI	GRAND VITARA 2.0	4L 2.0LTS J20A DOHC	94	1998	2012

MF-6400	CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
 H = 137 mm OD = 60 mm IN = 8 mm OUT = 8 mm	CITROËN	1567.79	AUDI	A6 4.2 RS6	BCY	331	2002	
	DAEWOO	96182006	FIAT	ELBA 1.6			1994	1994
	ISUZU	8250553640	FIAT	UNO 1.4	146 A8.000	87	1994	1995
	PEUGEOT	156786	TOYOTA	CAMI 1.3	HC-EJ	61	1999	2000
	RENAULT	7700582693	TOYOTA	CAMI 1.3	K3-VE	63	2000	2002
	VW GROUP	6N0201211	TOYOTA	CAMI 1.3	K3-VET	95	2002	
	FRAM	G6400	VOLKSWAGEN	GOL 1.6	1.6L 4L	63	1997	1999
	LYS	LFG122	VOLKSWAGEN	POLO 1.6 DIESEL	1,6 4L	77	2001	2005
	MANN	WK613	VOLKSWAGEN	POLO 1.8	4 CIL 1.8L APEFI		1997	2002
	PUROLATOR	F67221	VOLKSWAGEN	POLO CLASSIC 1.6	AFT, AEH, AKL, APF, AUR	74	1998	2000

MF-65109



H = 124 mm
OD = 91 mm
IN = 11 mm
OUT = 9 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	651 090 15 52	MERCEDES BENZ	SPRINTER I 311 CDI	OM 651 LA	84	2012	
MERCEDES BENZ	651 090 29 52	MERCEDES BENZ	SPRINTER I 415 CDI	OM 651 LA	107	2012	
MERCEDES BENZ	A 651 090 15 52	MERCEDES BENZ	SPRINTER I 515 CDI	OM 651 LA	107	2012	
MERCEDES BENZ	A 651 090 29 52	MERCEDES BENZ	SPRINTER II 210 CDI	OM 651 LA	70	2009	2016
FLEETGUARD	FF5862	MERCEDES BENZ	SPRINTER II 211 CDI	OM 651 LA	84	2016	
FRAM	P11196	MERCEDES BENZ	SPRINTER II 213 CDI	OM 646 LA, OM 651 LA	95	2006	2016
MANN	WK 820/18	MERCEDES BENZ	SPRINTER II 214 CDI	OM 651 LA	105	2016	
TECFIL	PSC884	MERCEDES BENZ	SPRINTER II 216 CDI	OM 651 LA	120	2009	
		MERCEDES BENZ	SPRINTER II 219 CDI V6	OM 642 LA	140	2009	
		MERCEDES BENZ	SPRINTER II 310 CDI	OM 651 LA	70	2009	2016

MF-66899



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

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	31922-2E900	HYUNDAI	H1 GRAND STAREX 2.5TCI			2008	
HYUNDAI	31922-3A810	HYUNDAI	H1 STAREX 2.5	D4CB		2009	
HYUNDAI	31922-3A850	HYUNDAI	H1 STAREX 2.5	D4CB-W		2008	
KIA	319222E900	HYUNDAI	H1 TQ 2.5	2.5 SOHC 8V	98	2007	2012
KIA	31922-2EA00	HYUNDAI	H100 2.6	D4BB		2004	
FRAM	PS10235	HYUNDAI	H350 II 2.5 CRDI	D4CB	110	2015	
LYS	LFP3192	HYUNDAI	IX 35 1.7			2010	
MANN	WK8241	HYUNDAI	PORTER 2.5	D4CB	103	2003	2016
PUROLATOR	F90004	HYUNDAI	SANTA FE 2.2 CRDI		102	2006	2009
SAKURA	FC2801						

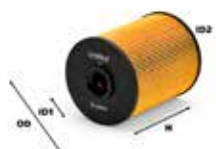
MF-67056



H = 177 mm
OD = 97 mm
TH = M24x1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	948412	CASE	CX230	6BG1T			
HYUNDAI	31945-72001	HITACHI	ZX210LCH	6BG1TRA			
MITSUBISHI	ME056280	HITACHI	ZX210LCK	6BG1TRA			
BALDWIN	BF798	HITACHI	ZX225LC-E	6BG1TTRA03			
DONALDSON	P550391	HITACHI	ZX240	6BG1			
FLEETGUARD	FF5367	HITACHI	ZX240LCH	CC6BG1TRA01			
FRAM	P7363	HITACHI	ZX270	6BG1TRA02			
LUBER-FINER	LFF5127	MITSUBISHI FUSO	FK, 61H	6M61		1999	
MANN	WK 10 022	MITSUBISHI FUSO	FK, 71H	6M61		1999	
SAKURA	FC-1005	MITSUBISHI FUSO	FN, 61F	6M60T		1995	

MF-68211



H = 116 mm
OD = 91 mm
ID1 = 20 mm
ID2 = 20 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	23304-EV030	HINO	500 SERIES	J05D-TG			
HINO	23304-EV031	HINO	500 SERIES	J07E		2011	
HINO	23304-EV120	HINO	500 SERIES	J08CE-I6		2008	
HINO	23304-EV162	HINO	500 SERIES	J08E		2011	
HINO	23304-EV370	HINO	500 SERIES	J08E-TB			
NISSAN	16444-Z500C	HINO	500 SERIES	J08E-TE			
NISSAN	16444-Z500D	HINO	BUS 4.7	J05D-T		2007	
DONALDSON	P502425	HINO	BUS 6.3	J07E-T		2007	
FLEETGUARD	FF5732	HINO	BUS 7.7	J08E-T	209	2006	2012
SAKURA	EF-1802	HINO	SERIE 500 6.3	J07E-T		2004	

MF-69224



H = 157 mm

OD = 110 mm

TH = 1"-14

DRAIN = 3" 3/4-10

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	23401-1630	CHEVROLET	KODIAK 14-190	3116			
ISUZU	8-98095983-0	CHEVROLET	KODIAK 15-190	3116			
VOLVO	20450423	CHEVROLET	KODIAK 16-220	3116			
BALDWIN	BF1390-O	FREIGHTLINER	BUSINESS CLASS M2	MBE4000			
DONALDSON	P551855	FREIGHTLINER	CENTURY CLASS S,T	3406E			
FLEETGUARD	FS19551	FREIGHTLINER	COLUMBIA	MBE4000			
FRAM	PS9915	FREIGHTLINER	FL112	M11			
MANN	WK10605X	FREIGHTLINER	FS65	MBE926			
RACOR	R90T	VOLVO	FM12	D12C		1998	2002
SAKURA	SFC-7912-10	VOLVO	FM7	D7C		1998	2002

MF-69225



H = 229 mm

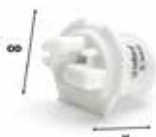
OD = 110 mm

TH = 1"-14

DRAIN = 3" 3/4-10

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	23390-E0010	CHEVROLET	KODIAK 14-190	3116			
VOLVO	20450423	CHEVROLET	KODIAK 15-190	3116			
FLEETGUARD	FS19933	FREIGHTLINER	CASCADIA	MBE4000			
MANN	WK 1060/5 X	FREIGHTLINER	CENTURY CLASS S,T	MBE4000			
RACOR	R90T	FREIGHTLINER	CLASSIC	MBE4000			
SAKURA	SFC-7912-10B	FREIGHTLINER	COLUMBIA	MBE4000			
		SCANIA	K114	DC11		1999	
		SCANIA	K124	DSC12		1998	
		VOLVO	FM10	D10B		1998	
		VOLVO	FM12	D12C		1998	2002

MF-70031



H = 131 mm

OD = 114 mm

IN = 14.4 mm

OUT = 9.3 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
KIA	3111207000	KIA	PICANTO 1.0	G3LA		2011	
KIA	31112-07000	KIA	PICANTO 1.1	G4HG	49	2004	2010
TECFIL	FBT2354	KIA	PICANTO 1.2			2011	

MF-71071



H = 110 mm

OD = 60 mm

IN = 9.5 mm

OUT = 8 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
GM	9040408	CHEVROLET	SAIL 1.4	S-TEC III	102	2012	

MF-72144



H = 232 mm
OD = 136 mm
IN = 10 mm
OUT = 10 mm
DRAIN = M20 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	2H6 127 401 A	VOLKSWAGEN	AMAROK 3.0 TDI V6	DDXC			
VW GROUP	2H6 127 401 C						

MF-72809



H = 116 mm
OD = 60 mm
IN = 9.5 mm
OUT = 7.9 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
GM	90872178	CHEVROLET	SAIL III 1.3	LEW	76	2014	
HENGST	H592WK	CHEVROLET	SAIL III 1.5	L2B	83	2014	

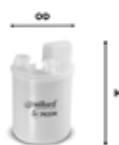
MF-7355



H = 122 mm
OD = 70 mm
IN = M14x1.5
OUT = M12x1.25

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	31910-23500	MITSUBISHI	MONTERO 3.5	6G74 DOHC		1995	
MITSUBISHI	MB348127						
TOYOTA	23300-19015						
TOYOTA	23300-79305						
FRAM	G7355						
LYS	LFG2144						
MAHLE	KL111						
MANN	WK6124						
PUROLATOR	F44781						

MF-74334



H = 129 mm
OD = 85 mm
IN = 6.6 mm
OUT = 9 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	31910-2H000	HYUNDAI	I20 1.2			2009	2014
KIA	31910-2H000	HYUNDAI	I20 1.4			2010	2014
SAKURA	FS-28250	HYUNDAI	I30	1.4L D4FAE		2007	2011
TECFIL	FBT2360						

MF-7599



H = 114 mm

OD = 75 mm

IN = M12x1.25

OUT = M14x1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HONDA	16010S01A30	HONDA	CIVIC	4L 1.5LTS 6TA. GENERATION INJ.	84	1996	2000
HONDA	16010S01A31	HONDA	CIVIC	4L 1.6LTS 6TA. GENERATION INJ.	119	1996	2000
HONDA	16010S01A32	HONDA	CIVIC	4L 1.7LTS 7MA. GENERATION INJ.	95	2001	2006
BALDWIN	BF1193	HONDA	CR-V	4L 2.0LTS	111	1998	2001
FRAM	G7599	HONDA	ODYSSEY	4 CIL 2.2L FUEL INJ		1995	1998
LYS	LFG2146	HONDA	ODYSSEY	V6 3.5L		2001	2004
MAHLE	KL185	HONDA	ODYSSEY	V6 3.5L		2001	2004
MANN	WK681						
PUROLATOR	F44870						
SAKURA	FS1607						

MF-78110



H = 111 mm

OD = 107 mm

ID1 = 28 mm

ID2 = 28 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CUMMINS	3990130	HINO	DUTRO	J05C		2000	2008
HINO	23304-78110						
TOYOTA	23304-78110						
BALDWIN	PF7751						
DONALDSON	P551310						
FLEETGUARD	FS19598						
FRAM	CS8323						
LUBER-FINER	L5021F						
PUROLATOR	F59201						
SAKURA	F1110						

MF-8547



H = 192 mm

OD = 94 mm

TH = M14x1.5

DRAIN = M8 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FIAT-IVECO	8107716	IVECO	CURSOR 330	CURSOR 8	243	2009	
IVECO	1907539	IVECO	EUROCARGO II 170 E 22	F4AE0681D		2004	
IVECO	1908547	IVECO	EUROCARGO II 230 E 22	F4AE0681D	154	2006	
BALDWIN	BF1214	IVECO	EUROCARGO II 230 E 24	F4AE0681D		2005	
FRAM	P5324	IVECO	TECTOR 150 E25	N45	150	2014	
FRAM	PS5989	IVECO	TECTOR 170 E22	TECTOR 6	154	2007	
LUBER-FINER	LFF8931	IVECO	TECTOR 170 E25	NEF6	186	2009	
MAHLE	KC186	IVECO	TECTOR 170 E28	NEF6	206	2012	
MANN	WK 950/6	IVECO	TECTOR 240 E22	NEF6	160	2013	
PUROLATOR	F67580	IVECO	TECTOR 240 E25	NEF6	186	2009	

MF-8784



H = 126 mm

OD = 71 mm

TH = 3/4"-16

DRAIN = M36 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	23390-33010	TOYOTA	AVENSIS 2.0 D4-D	1CD-FTV	66	1999	2008
TOYOTA	23390-33030	TOYOTA	CALDINA 2.0	2C		1992	1998
TOYOTA	23390-64450	TOYOTA	CALDINA 2.2	4 CIL 2.2L 3CE		1999	2002
DENSO	18610-05130	TOYOTA	CARINA 2.2 TD	3C-TE	66	1998	2001
FLEETGUARD	FF5432	TOYOTA	COROLLA 2.0 D4-D	1CD-FTV	66	2001	
FRAM	PS8784	TOYOTA	CORONA PREMIO 2.2 TD	3C-TE	66	1997	2001
LYS	LFP450	TOYOTA	PROBOX 1.4	1NDTV		2002	2006
MANN	WK7202	TOYOTA	RAV4 2.0 D4-D	1CD-FTV	66	2001	
PUROLATOR	F58290	TOYOTA	SUCCEED 1.4	1NDTV		2002	
SAKURA	FC1108						

MF-90780



H = 146 mm
OD = 86 mm
IDI = 12 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	23304-78090	HINO	300 SERIES	N04C		2011	
HINO	23304-78091	HINO	300 SERIES	N04C-UV	110	2002	2011
TOYOTA	23304-78091	HINO	DUTRO 4.0	N04C-UV		2011	
PUROLATOR	FFP-8090						
SAKURA	EF-13070						
TECFIL	PEC3085						

MF-9145



H = 116 mm
OD = 71 mm
IN = M14x1.5
OUT = M12x1.25

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	23300-19145	TOYOTA	COROLLA 1.6	4L 1.6LTS 16V DOHC 4A-FE II	82	1998	2002
TOYOTA	23300-79105	TOYOTA	COROLLA 1.8	4L 1.8LTS 16V DOHC 7A-FE	86	1998	2002
BALDWIN	BF1050	TOYOTA	SPRINTER 1.6	4A-FE		1992	1995
FLEETGUARD	FF0146	TOYOTA	SPRINTER 1.6	4A-FE		1992	1995
FRAM	G6674	TOYOTA	SPRINTER 1.6	4AGE		1991	1995
LYS	LFG2108						
MAHLE	KL139						
MANN	WK61437						
PUROLATOR	F54664						
SAKURA	FS1112						

MF-92420



H = 229 mm
OD = 110 mm
TH = 1"-14
DRAIN = S80 x 3

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DEUTZ	0293 4715	DAF	CF85.410	MX300S			
RENAULT TRUCKS	50 21 185 714	DAF	CF85.460	MX340S			
BALDWIN	BF1383-O	DAF	CF85.510	MX375S			
DONALDSON	P550778	DAF	CF86.410	MX300S			
FLEETGUARD	FS19769	DAF	CF86.460	MX340S			
LUBER-FINER	LFF9769	DAF	CF86.510	MX375S			
MAHLE	KC 296D	DAF	XF105.410	MX300S			
MANN	PL 420 X	DAF	XF105.460	MX340S			
RACOR	R420PL						
SAKURA	SFC-7939-30						

MF-92655



H = 160 mm
OD = 112 mm
TH = 1"-14
DRAIN = M80 x 2.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
RENAULT TRUCKS	74 20 745 605	MACK	TD SERIES (TITAN)	MACK MP10			
VOLVO	20745605	MACK	TD700	MACK MP10			
VOLVO	20788794	PETERBILT	377	CUMMINS ISX15			
VOLVO	20879806						
DONALDSON	P551838						
FLEETGUARD	FS19920						
FRAM	PS10678						
MANN	WK 10 006 Z						
SAKURA	SFC-24020						
TECFIL	PSD261						

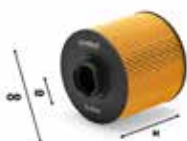
MF-9305



H = 118 mm
OD = 71 mm
IN = M14x1.5
OUT = M12x1.25

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	31910-23500	HYUNDAI	ACCENT 1.5	G4EK	65	1994	2000
HYUNDAI	31911-22000	MITSUBISHI	GALANT 1.8	4G37	63	1987	1999
MITSUBISHI	MB348127	SUBARU	FORESTER 2.0	EJ20	85	1998	
TOYOTA	23300-19015	SUBARU	FORESTER 2.0 TURBO	EJ20-T	155	1997	
FRAM	G5603	SUBARU	IMPREZA 1.5	EJ15	75	1994	2008
LUBER-FINER	G513						
MAHLE	KL210						
MANN	WK6124						
PUROLATOR	F45067						
SAKURA	FS-2814						

MF-93948



H = 96 mm
OD = 94 mm
ID1 = 26 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MITSUBISHI	ME222133	FREIGHTLINER	FL360	4M50-3AT7			
MITSUBISHI	ME222135	MITSUBISHI	CANTER 3.0	4M42		2004	2013
NISSAN	16403-WK900	MITSUBISHI	CANTER 3.0	4M42T		2004	2007
BALDWIN	PF9803	MITSUBISHI	CANTER 4.9	4M50		2004	2014
DONALDSON	P502378	MITSUBISHI	CANTER 4.9	4M50-T			
FLEETGUARD	FF5797	MITSUBISHI	ROSA 4.9	4M50-T		2004	2011
LYS	LP2183						
MANN	PU 10 004 Z						
PUROLATOR	FFP-2133						
SAKURA	EF-1003						

MF-93950



H = 143 mm
OD = 94 mm
ID1 = 26 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8-98008840-0	HITACHI	ZX250LCK	4HK1-XYSA			
MITSUBISHI	ME301895	HITACHI	ZX250LCN	4HK1-XYSA			
NISSAN	16444-NY025	MITSUBISHI	FIGHTER FK 4.9	4M50-T		2004	2010
DONALDSON	P502422	MITSUBISHI	FIGHTER FK 7.5	6M60-T		1999	2010
FRAM	CI1388	MITSUBISHI	FIGHTER FL 7.5	6M60-T		2004	2010
LYS	LP2184	MITSUBISHI	FIGHTER FM 7.5	6M60-T		1999	2010
MANN	PU 10 005 X	MITSUBISHI	FIGHTER FQ 7.5	6M60-T		1999	2010
PUROLATOR	FFP-6303	MITSUBISHI	FUSO	6M60-T		2012	
SAKURA	EF-1002	NISSAN	DIESEL BUS 7.5	6M60-T		2007	
SAKURA	EF-1801	NISSAN	DIESEL BUS 9.0	MD92-T		2006	2010

MF-9420



H = 160 mm
OD = 87 mm
TH = M16x1.5
DRAIN = M12 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
IVECO	2994102	FOTON	K1 2.8	4J28TC		2013	2018
KIA	OK2KB13480	GREAT WALL	WINGLE 5 2.8	GW28TC		2013	2018
PEUGEOT	190693	KIA	SORENTO 2.5	D4CB		2002	2009
DONALDSON	P550903						
FLEETGUARD	FS19781						
FRAM	PS9420						
MAHLE	KC140						
MANN	WK8541						
PUROLATOR	F68241						
SAKURA	FC2904						

MF-9436



H = 126 mm

OD = 90 mm

IN = 10 mm

OUT = 12 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	6110900852	MERCEDES-BENZ	SPRINTER 313	4L 2.2LT OM611LA	104	2005	2009
MERCEDES BENZ	611092001	MERCEDES-BENZ	SPRINTER 413	4L 2.2LT OM611LA	104	2005	2009
MERCEDES BENZ	A6110900852						
MERCEDES BENZ	A6110920201						
BALDWIN	BF7756						
BOSCH	986450506						
FRAM	P9436						
MAHLE	KL100						
MANN	WK84213						
PUROLATOR	F58280						

MF-9451



H = 190 mm

OD = 88 mm

IN = 10 mm

OUT = 10 mm

DRAIN = M10 x 1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	1S419155AC	KIA	CARNIVAL 2.9 CRDI	J3TC	136	2001	2006
KIA	052A23570A						
KIA	0K52A13480						
KIA	31390H1970						
KIA	31395H1950						
KIA	OK52A13480						
FRAM	PS9451						
MAHLE	KL446						
MANN	WK8293						
PUROLATOR	F62870						

MF-9638



H = 154 mm

OD = 95 mm

TH = 3/4"-16

DRAIN = M8 x 1.25

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	16400-BN303	NISSAN	NAVARA 2.5	YD25DDTI	128	2009	2012
NISSAN	16403-7F400	NISSAN	NAVARA 2.5 D	YD25DDTI	98	2005	2009
NISSAN	16403-7F401	NISSAN	URVAN 3.0 D	3.0L	66	2001	2009
FRAM	PS9638						
LYS	LFP6403						
MAHLE	KC 189						
MAHLE	KC189						
MANN	WK94022						
PUROLATOR	F58356						
SAKURA	FC1814						

MF-98367



H = 141 mm

OD = 95 mm

TH = 1"-14

DRAIN = M80 x 2.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VOLVO	20386080	RENAULT TRUCKS (RVI)	AE 440	DXI 12			
VOLVO	20480593	RENAULT TRUCKS (RVI)	AE 480	DXI 12			
DONALDSON	P551843	RENAULT TRUCKS (RVI)	HL 440	DXI 11			
FLEETGUARD	FS19735	VOLVO	180	D6A, B-180			
FRAM	PS10872	VOLVO	220	D6B-220			
LYS	LFWP8367	VOLVO	250	D6B-250			
MANN	WK 940/33 X	VOLVO	480	D13A, B-480			
PUROLATOR	FFP-8367	VOLVO	500	D12D-500			
RACOR	R260P	VOLVO	670	D12, D13, D16			
SAKURA	SFC-7103-30	VOLVO	700	D16G-700			

MF-98368		CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO	
 H = 222 mm OD = 95 mm TH = 1"-14 DRAIN = M80 x 2.5	RENAULT TRUCKS	74 20 514 654	RENAULT TRUCKS (RVI)	AE 440	DXI 12			
	VOLVO	20386080	RENAULT TRUCKS (RVI)	AE 480	DXI 12			
	VOLVO	20480593	VOLVO	180	D6A, B-180			
	DONALDSON	P551843	VOLVO	220	D6B-220			
	FLEETGUARD	FS19735	VOLVO	250	D6B-250			
	FRAM	PS10872	VOLVO	380	D9B-380			
	LYS	LFWP8367	VOLVO	400	D13A, B-400			
	MANN	WK 940/33 X	VOLVO	580	D16E-580			
	PUROLATOR	FFP-8367	VOLVO	600	D16G-600			
	RACOR	R260P	VOLVO	700	D16G-700			



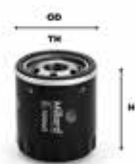
FILTROS DE ACEITE

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.



ML-10060



H = 87 mm

OD = 77 mm

TH = M22x1.5

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHRYSLER	04884900AB	CHEVROLET	AVALANCHE	V8 6.0L		2007	2009
SUZUKI	16510-78J01	CHEVROLET	CAMARO	V8 6.2L		2010	2015
VW GROUP	7B0 115 561 C	CHEVROLET	CAPRICE	V8 6.0L		2011	2017
BALDWIN	B160	CHEVROLET	CAPTIVA	V6 3.6L		2008	2008
DONALDSON	P550794	CHEVROLET	CAPTIVA SPORT	L4 2.4L		2010	2010
FRAM	PH10060	CHEVROLET	S10 PICKUP	L4 2.5L		2016	2017
LUBER-FINER	PH48	CHEVROLET	SILVERADO (UP TO 3500 SERIES)	V8 4.8L		2008	2013
MANN	W 7013	CHEVROLET	SILVERADO (UP TO 3500 SERIES)	V8 5.3L		2008	2013
PUROLATOR	L12222	CHEVROLET	SILVERADO 1500	V8 4.8L		2007	2013
SAKURA	C-7971	CHEVROLET	SILVERADO 1500	V8 5.3L		2007	2013

ML-12081



H = 67 mm

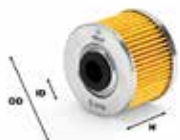
OD = 67 mm

TH = M20x1.5

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BAJAJ	AN101190	BAJAJ	QUTE		10		
LYS	LF3008	BAJAJ	TORITO				
MAHLE	OC1081						

ML-12118



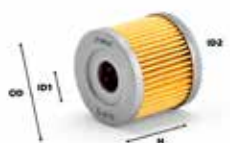
H = 48 mm

OD = 50 mm

ID = 12 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BAJAJ	DD121181	BAJAJ	PULSAR 135		10		
PUROLATOR	PI-5154						

ML-12775



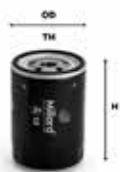
H = 41 mm

OD = 44 mm

ID = 14 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BAJAJ	AA121006	BAJAJ	MOTOTAXI RE 4 TIEMPOS	AAFB	8	2013	
SUZUKI	16510-05240	BAJAJ	TORITO 4 TIEMPOS	AAFB	8	2013	
SUZUKI	16510-45H20	SUZUKI	ALT125 D,E,F,G	-		1983	1986
LYS	L-1006	SUZUKI	ALT185 E,F	-		1984	1985
MANN	MH51	SUZUKI	AN125	-		1996	2000
PUROLATOR	PP295	SUZUKI	AN150	-		1995	2000
SAKURA	O-1401	SUZUKI	AN400 BURGMAN	-		2007	2016
		SUZUKI	AN400 BURGMAN (ABS)	-		2011	2012
		SUZUKI	AN400 BURGMAN WINTER EDITION	-		2012	2012
		SUZUKI	AN400 Z BURGMAN EXECUTIVE (ABS)	-		2007	2016

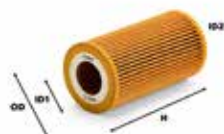
ML-13



H = 132 mm
OD = 93 mm
TH = 13/16"-16

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	B6	CHEVROLET	C-1500 CHEYENNE	V8 5.0LTS	164	1996	1999
DONALDSON	P550025	CHEVROLET	C-1500 CHEYENNE	V8 5.7LTS	218	1995	1999
FLEETGUARD	LF3679	CHEVROLET	C-1500 R10	V8 5.7LTS 350 CID	218	1996	2000
FRAM	PH13						
LYS	LF5						
MAHLE	OC114						
MANN	W9365						
PUROLATOR	L30040						
PUROLATOR	PER11						
SAKURA	C6527						

ML-14089



H = 123 mm
OD = 64 mm
ID1 = 31 mm
ID2 = 31 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	059 198 405 B	AUDI	A4 3.0 TDI	CRTC		2015	
BOSCH	F 026 407 270	AUDI	A4 3.0 TDI	CSWB		2015	
FRAM	CH12176ECO	AUDI	A4 45 TDI	DCPE		2018	
HENGST	E219H D330	AUDI	A7 45 TDI 3.0 QUATTRO	DDVE		2018	
MANN	HU 7012 Z	AUDI	Q7 3.0 TDI QUATTRO, E-TRON	CUEA, CVZA		2015	
		VOLKSWAGEN	AMAROK 3.0 TDI V6	DDXA			
		VOLKSWAGEN	AMAROK 3.0 TDI V6	DDXB			
		VOLKSWAGEN	AMAROK 3.0 TDI V6	DDXC			
		VOLKSWAGEN	TOUAREG III 3.0 TDI	CVMD			
		VOLKSWAGEN	TOUAREG III 3.0 TDI	DENA			

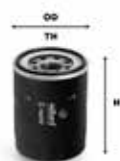
ML-16



H = 99 mm
OD = 96 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	2724E6714B	CHRYSLER	VOYAGER 3.5	V6 3.5L FUEL INJ		2001	2001
RENAULT	7701638670	DODGE	CARAVAN 3.3	V6 3.3LTS	150	1996	2000
TOYOTA	15600-25010	DODGE	DURANGO 5.2	V8 5.2L		1998	2002
VW GROUP	030 115 561 C	DODGE	GRAND CARAVAN	V6 3.5L FUEL INJ		1999	2001
DONALDSON	P552518	DODGE	GRAND CARAVAN	V6 3.8L FUEL INJ		2007	2007
FRAM	PH16	DODGE	RAM 1500 PICK UP	V6 3.7L		2002	2006
LYS	LF18	DODGE	RAM 1500 PICK UP	V8 4.7L		2002	2002
MANN	W920	JEEP	CHEROKEE	6L 4.0LTS 242 CID	142	1999	2001
PUROLATOR	PER18	JEEP	COMMANDER	V8 5.7LTS HEMI	246	2007	2008
SAKURA	C-1903	NISSAN	NAVARA 2.5	YD25DDTI		2009	2012

ML-16682



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

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	95628737	ISUZU	NHR	4JB1-TC	94	2001	2009
ISUZU	8-94340-697-0	ISUZU	NKR	4JB1-TC	94	2001	2009
ISUZU	8-94360-427-0	ISUZU	NLR 2.8	4JB1-TC	91	2011	2012
MAZDA	RFT1-1A-302	MAZDA	B2900	4 CIL 2.9L		2001	2003
BALDWIN	BD7160	NISSAN	ATLAS	3.1L 4JG2		1995	1996
DONALDSON	P502043						
FRAM	PH5190						
LYS	LF6080						
PUROLATOR	L38278						
SAKURA	C-1516						

ML-17189



H = 213 mm
OD = 84 mm
ID1 = 36 mm
ID2 = 10 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FREIGHTLINER	ABP/N10G-LF3914	MITSUBISHI FUSO	FJ-2528		210		
RENAULT TRUCKS	50 21 107 448						
VOLVO	11708551						
BALDWIN	P7188						
DONALDSON	P550761						
FLEETGUARD	LF3914						
FRAM	CH9389 ECO						
LUBER-FINER	LP8741						
MANN	HU 945/2 X						
SAKURA	EO-2404						

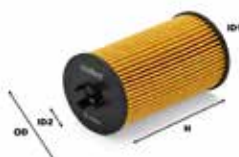
ML-1807



H = 262 mm
OD = 110 mm
TH = 1 1/8"-16

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	1R1807	CATERPILLAR	900 SERIES, II	3126B ATAAC			
SCANIA	1347726	CATERPILLAR	900 SERIES, II	3126BTA4			
SCANIA	2059778	CATERPILLAR	900 SERIES, II	3306			
VOLVO	85114049	CATERPILLAR	AP SERIES, AP1000	3116TA			
BALDWIN	B7225	CATERPILLAR	D SERIES, D6R XR	3306			
DONALDSON	P551807	CATERPILLAR	D SERIES, D7G II	3306 DITA			
FLEETGUARD	LF3973	FREIGHTLINER	CENTURY C120	CAT 3306			
FRAM	PH9376	FREIGHTLINER	CONDOR	CAT C7			
MANN	W 11 102/50						
SAKURA	C-55221						

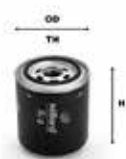
ML-19626



H = 105 mm
OD = 57 mm
ID1 = 22 mm
ID2 = 10 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	55353324	CHEVROLET	CRUZE 1.8 16V FLEX	N18XFF	106	2011	
FIAT	71744410	CHEVROLET	SONIC 1.6 16V		85	2012	
OPEL	5650359	CHEVROLET	TRACKER 1.8 16V FLEX		103	2013	
BALDWIN	P7489						
FRAM	CH10246						
HENGST	E611HD122						
MAHLE	OX 401D						
MAHLE	OX401D						
MANN	HU6122X						
SAKURA	EO-65090						

ML-2



H = 107 mm
OD = 95 mm
TH = M22x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	FIAE6714BC	CHEVROLET	SILVERADO 6500 HD	V8 6.6L			
FORD	FIAZ-6731-A	CHEVROLET	SILVERADO 6500 HD	V8 6.6L		2019	
MAZDA	AJ0414302	CHRYSLER	300C	V8 6.1L			
BALDWIN	B329	CHRYSLER	SEBRING	V6 2.7L		2008	2009
FLEETGUARD	FL3681	DODGE	1500	V8 4.7L			
FRAM	PH2	DODGE	2500	V8 5.7L			
LUBER-FINER	PH820	FORD	E-150	V8 4.6L		2003	2014
MAHLE	OC288	FORD	E-250	V8 4.6L		2003	2014
PUROLATOR	L24651	FORD	F-150	V8 4.6L		1997	2010
SAKURA	C1908	FORD	F-150	V8 5.4L		1997	2010

ML-20004



H = 100 mm

OD = 77 mm

TH = 3/4"-16

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	90915-03002	TOYOTA	4RUNNER 4.0	V6 4.0LTS 24 VALVE DOHC VVT-I 1GR-FE	183	2003	2008
TOYOTA	90915-03005	TOYOTA	4RUNNER 4.7	V8 4.7L		2003	2004
TOYOTA	90915-20001	TOYOTA	FORTUNER 2.8	1GD-FTV	132	2015	
TOYOTA	90915-20004	TOYOTA	FORTUNER 4.0	V6 4.0LTS DOHC 24V VVT-I 1GR-FE	183	2006	2010
TOYOTA	90915-YZZB6	TOYOTA	HILUX 2.4	4L 2.4LTS 16V 2RZ-FE INJECTION	106	1997	1999
DONALDSON	P502016	TOYOTA	HILUX 2.5 D4-D	2KD-FTV		2005	2011
FLEETGUARD	LF3874	TOYOTA	HILUX 2.7	4 CIL 2.7L 3RZ		1998	1998
FRAM	PH4985	TOYOTA	HILUX 2.7	4L 2.7LTS VVT-I DOHC 16V 2TR-FE	119	2006	2013
LYS	LF3012	TOYOTA	HILUX 3.0 D4-D	4 CIL 3.0L 1KD-FTV		2013	2015
SAKURA	C1110	TOYOTA	HILUX 4.0	V6 4.0LTS DOHC 24V VVT-I 1GR-FE	179	2006	2013

ML-25971



H = 262 mm

OD = 120 mm

TH = 1 5/8"-12

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VOLVO	3915586	FREIGHTLINER	CENTURY C120	DETROIT DIESEL SERIES 50			
BALDWIN	B495	FREIGHTLINER	CENTURY CLASS S,T	DETROIT DIESEL SERIES 60			
DONALDSON	P552100	FREIGHTLINER	COLUMBIA	CAT C13			
FLEETGUARD	LF3620	FREIGHTLINER	COLUMBIA	DETROIT DIESEL SERIES 60			
FRAM	PH7405A	FREIGHTLINER	CST120	DETROIT DIESEL SERIES 60			
LUBER-FINER	LFP2160						
MANN	W 12 102						
SAKURA	C-65201						

ML-27695



H = 190 mm

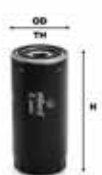
OD = 110 mm

TH = M26x1.5

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MITSUBISHI	ME228898	FREIGHTLINER	FL360	4M50-3AT7			
NISSAN	15208-WK900	MITSUBISHI	CANTER 3.9	4D34-T			
DONALDSON	P550406	MITSUBISHI	CANTER 4.9	4M50		2004	2014
FLEETGUARD	LF17518	MITSUBISHI	CANTER 4.9	4M50-T			
FRAM	PH9055	MITSUBISHI	CANTER 5.2	4M51		2002	2004
LUBER-FINER	LFP8752	MITSUBISHI	ROSA 4.9	4M50-T		1997	1999
SAKURA	C-58270	MITSUBISHI	ROSA 4.9	4M50-T		2004	2011
		MITSUBISHI	ROSA 5.2	4M51		1997	1999

ML-2801



H = 208 mm

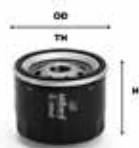
OD = 95 mm

TH = 1"-12

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	BF9T6714AA	VOLKSWAGEN	13.150	MWM 4.10 TCA		2000	
MERCEDES BENZ	11849601	VOLKSWAGEN	7.110	MWM 4.10 TCA		2002	
VOLVO	6211489	VOLKSWAGEN	8.120	MWM 4.10 TCA	88	2000	2005
BALDWIN	B236	VOLKSWAGEN	8.120 OD	MWM 4.10 TCA		2003	
DONALDSON	P550317	VOLKSWAGEN	8.150	MWM 4.10 TCA	107	2000	2005
FLEETGUARD	LF3413	VOLKSWAGEN	8.150 OD	MWM 4.10 TCA		2003	
FRAM	PH2801	VOLKSWAGEN	9.150	MWM 4.10 TCA	132	2006	
LYS	LF7624	VOLKSWAGEN	9.150 OD	MWM 4.10 TCA	107	2001	2004
PUROLATOR	L42168	VOLKSWAGEN	9.150 OD	MWM 4.10 TCA	107	2001	2004
SAKURA	C-7967	VOLKSWAGEN	BUS 9-150 OD	4L 4.3LTS MWM 4.10	108	2007	2009

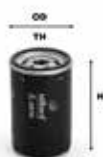
ML-2865



H = 77 mm
OD = 96 mm
TH = M20x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HONDA	15400-634-004	ISUZU	ISUZU KB 2.5 D	4JA1	50	1989	1996
HONDA	15400-634-010	ISUZU	ISUZU KB 2.8 TD	4JB1-T	57	1997	2002
ISUZU	8942172720						
BALDWIN	B166						
DONALDSON	P550718						
FLEETGUARD	LF795						
FRAM	PH2865A						
LYS	LF2865						
PUROLATOR	L10109						
SAKURA	C1511						

ML-2870



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

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	056 115 561A	VOLKSWAGEN	GOL 1.8	4L 1.8LTS	75	2001	2005
FRAM	PH2870B	VOLKSWAGEN	GOLF 1.6	EA113	74	1999	2000
LUBER-FINER	LFP227	VOLKSWAGEN	GOLF 1.8	4L 1.8LTS TURBO	110	1997	2001
LYS	LF561	VOLKSWAGEN	GOLF 2.0	AQY, APK, AZG, AZJ	85	2002	2008
MAHLE	OC 485	VOLKSWAGEN	GOLF GTI 1.8	AGU, AUM, ARZ, AWD, AQA	110	1997	1999
MANN	W7194	VOLKSWAGEN	JETTA 1.8	4L 1.8LTS TURBO DOHC 20 VALVE	132	2000	2005
PARTMO	A178	VOLKSWAGEN	JETTA 2.0	2.0 4L	85	2002	2006
PUROLATOR	PC213	VOLKSWAGEN	NEW BEETLE 2.0	4L 2.0LTS	86	2000	2004
PUROLATOR	PC253	VOLKSWAGEN	PARATI 1.6 TOTALFLEX	1.6 AP EFI TOTALFLEX	67	2003	
SAKURA	C1801	VOLKSWAGEN	PASSAT 1.8 T	AWT	110	2000	2005

ML-2975



H = 140 mm
OD = 94 mm
TH = M22x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	785F6714AA3A	ISUZU	NPR 3.9	4BD1T			
IVECO	504006145						
BALDWIN	B281						
FLEETGUARD	LF3315						
FRAM	PH2975						
LUBER-FINER	LFP8507						
LYS	LF5E						
MANN	W94062						
PUROLATOR	PER238						
SAKURA	C1902						

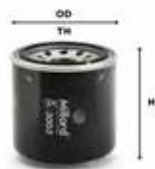
ML-3000



H = 299 mm
OD = 118 mm
TH = 2 1/4"-12

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CUMMINS	3825970	CUMMINS	ENGINES	6CT-8.3L			
VOLVO	991218853	FORD	LT9000	CUMMINS N14 SERIES			
BALDWIN	BD103	FREIGHTLINER	CENTURY C120	CUMMINS L10			
DONALDSON	P553000	FREIGHTLINER	CENTURY C120	CUMMINS M11			
FLEETGUARD	LF3000	FREIGHTLINER	CENTURY C120	CUMMINS N14			
FRAM	PH6349	FREIGHTLINER	CENTURY CLASS S,T	CUMMINS M11			
LYS	LF3000	FREIGHTLINER	COLUMBIA	CUMMINS N14			
MANN	WP12300	FREIGHTLINER	CONDOR	CAT C10			
PUROLATOR	L54519	FREIGHTLINER	CONDOR	CUMMINS ISC			
SAKURA	C5706	FREIGHTLINER	CONDOR	CUMMINS ISL			

ML-3003



H = 97 mm

OD = 97 mm

TH = M24x1.5

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	04152-03003	TOYOTA	CALDINA 2.0	2C		1992	1998
TOYOTA	15600-64020	TOYOTA	CALDINA 2.2	4 CIL 2.2L 3CE		1999	2002
TOYOTA	90915-03003	TOYOTA	CALDINA 2.2 TD	3C-TE	66	2000	2004
BALDWIN	BD7029	TOYOTA	CARINA 2.2 TD	3C-TE	66	1998	2001
DONALDSON	P502017	TOYOTA	COROLLA 2.2 D	3C-E		1998	2002
FLEETGUARD	LF3849	TOYOTA	CORONA 2.0	2C		1993	1996
FRAM	PH5124	TOYOTA	CORONA PREMIO 2.2 TD	3C-TE	66	1997	2001
MANN	WP 914/80	TOYOTA	DYNA 3.7 D	4B		1999	2004
PUROLATOR	FCO-530	TOYOTA	GAIA 2.2	4 CIL 2.2L 3CTE TURBO		1998	2002
SAKURA	C-1111	TOYOTA	RAV4 2.0 D4-D	1CD-FTV	66	2001	

ML-30554



H = 162 mm

OD = 64 mm

ID1 = 17 mm

ID2 = 28 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
GM	12636838	CHEVROLET	S-10 2.8 CDTI	R428 DOHC	149	2013	
GM	19280215						
SAKURA	EO-65120						

ML-32094



H = 107 mm

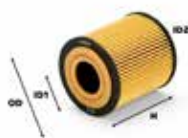
OD = 95 mm

TH = M20x1.5

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MAHINDRA	0303BC0071M	JAC	HFC1040K 2.8	GW4D28	57	2010	2014
MAHINDRA	0303BC0071N						
FLEETGUARD	LF16065						
LYS	LF014						
LYS	LF1446						
MANN	W930/11						

ML-321



H = 73 mm

OD = 65 mm

ID1 = 27 mm

ID2 = 27 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	1S7J-6744-AC	FORD	ESCAPE	L4 2.3L		2005	2008
MAZDA	L321-14-302	FORD	ESCAPE	L4 2.5L		2009	2009
MAZDA	L321143029A	FORD	FUSION	L4 2.3L		2006	2009
BALDWIN	P7313	FORD	MONDEO	V6 2.5L		2002	2007
FRAM	CH9641	MAZDA	3	L4 2.3L		2004	2009
MANN	HU7112X	MAZDA	5	L4 2.3L		2006	2010
PUROLATOR	L15505	MAZDA	6	L4 2.3L		2003	2008
PUROLATOR	L18367	MAZDA	CX-7	L4 2.3L		2007	2009
SAKURA	EO1701	MAZDA	CX-7	L4 2.5L		2010	2012
		MAZDA	TRIBUTE	L4 2.3L		2008	2008

ML-3387



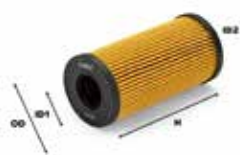
H = 87 mm

OD = 78 mm

TH = M18x1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	93745067	CHEVROLET	AVEO 1.6	4L 1.6LTS E-TEC II 16 VALVE	79	2005	2010
CHEVROLET	96352845	CHEVROLET	CAMARO 3.8	V6 3.8LTS	144	1996	1997
DAEWOO	96458873	CHEVROLET	CORSA 1.3	4L 1.3LTS	59	1996	1997
PEUGEOT	1109A9	CHEVROLET	CORSA 1.4	4L 1.4LTS	62	1999	2004
BALDWIN	B7282	CHEVROLET	LUV 2.3	4L 2.3LTS	74	1996	1998
BOSCH	451103079	CHEVROLET	MALIBU 3.1	V6 3.1LTS	141	1997	2001
FRAM	PH3387	CHEVROLET	ONIX 1.0 8V FLEX	ECONO-FLEX	59	2012	2019
MANN	W71222	CHEVROLET	ONIX 1.4 8V FLEX	ECONO-FLEX	78	2012	2019
PUROLATOR	PER111	CHEVROLET	PRISMA 1.4 8V ECONOFLEX	ECONO-FLEX	78	2013	2019
SAKURA	C1514	CHEVROLET	SPIN 1.8 8V ECONOFLEX	N18XFH	82	2017	

ML-35162



H = 113 mm

OD = 58 mm

ID1 = 24 mm

ID2 = 24 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	15209-00Q0A	NISSAN	QASHQAI 1.6	HR16DE		2011	
RENAULT	82 00 362 442	RENAULT	KOLEOS 2.0 DCI	4L 2.0 LTS CDI M9R 832	110	2008	2013
BOSCH	F026407014						
FRAM	CH10076ECO						
HENGST	E112HD180						
MAHLE	OX441D						
MANN	HU618X						

ML-3593



H = 87 mm

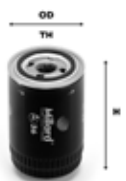
OD = 68 mm

TH = M20x1.5

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HONDA	15400-PLC-003	HONDA	ACCORD IX	3.5 V6	206	2013	
HONDA	15400-PLC-004	HONDA	CITY 1.5	L15A	85	2009	
HYUNDAI	26300-02750	HONDA	CIVIC	4 CIL 1.3L FUEL INJ		2003	2006
ISUZU	8943142633	HONDA	CIVIC IX 1.8 16V I-VTEC		104	2012	2016
MAZDA	JEY014302	HONDA	CIVIC IX 2.0	R20A2, R20A	110	2013	
MITSUBISHI	MD135737	HONDA	CR-V III	2.0 16V VTEC	110	2007	2011
FRAM	PH7317	HONDA	CR-V IV 2.4	K24Z6	157	2012	
LYS	LF3007	HYUNDAI	I10 1.1	G3LA		2013	
PUROLATOR	PER73	HYUNDAI	I10 1.1	G4HG 1.1L 12V SOHC	68	2009	2011
SAKURA	C1011	KIA	CERATO 1.6	G4ED	77	2004	2008

ML-36



H = 143 mm

OD = 96 mm

TH = 1"-12

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	1R0734	NISSAN	SUNNY 1.7	CD17		1991	1992
IVECO	61584009	VOLVO	EXCAVATOR BL60	4L D4D	64	2006	2008
RENAULT TRUCKS	5001846637	VOLVO	RETROEXCAVATOR BL70	4L D4D TURBO	67	2006	2008
VOLVO	11700375						
BALDWIN	BT292						
DONALDSON	P555680						
FLEETGUARD	LF4056						
FRAM	PH36						
MANN	W94018						
PUROLATOR	L37202						

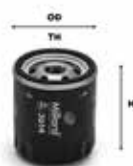
ML-3600



H = 120 mm
OD = 77 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHRYSLER	4781452AA	FORD	ESCAPE	4 CIL 2.3L		2005	2008
FORD	1S7Z6731DA	FORD	ESCAPE	V6 3.0L		2001	2005
FORD	E4FZ6731AB	FORD	F-150	V6 4.2L		1999	2005
VW GROUP	70115561	FORD	F-150	V8 4.6L		2004	2005
BALDWIN	B243	FORD	F-250	V10 6.8L		2004	2005
DONALDSON	P550078	FORD	F-250	V8 4.6L		1997	2005
FRAM	PH3600	FORD	F-350 SUPER DUTY	V8 4.6L		2004	2005
LUBER-FINER	PH2825	FORD	FIESTA	4 CIL 1.3L		1995	2002
PUROLATOR	PER64	FORD	FIESTA	4 CIL 1.4L		1998	2002
SAKURA	C1923	JEEP	CHEROKEE LIBERTY	V6 3.7LTS SOHC 12 VALVE	160	2008	2008

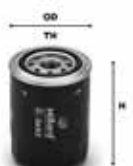
ML-3614



H = 87 mm
OD = 78 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	690X6A692RA	CHEVROLET	TRACKER 2.0	4 CIL 2.0L FUEL INJ		1999	2001
TOYOTA	90915-YZZD3	CHEVROLET	TRACKER 2.5	V6 2.5L FUEL INJ		2001	2004
VW GROUP	047115561B	FORD	ECOSPORT 1.6 16 FLEX		81	2012	2017
BALDWIN	B34	MAZDA	BT-50 2.5 TDI	WL-T	85	2007	
FRAM	PH3614	SUZUKI	GRAND VITARA 2.5	V6 2.5LTS H25A DOHC 24V		1998	2005
LYS	LF562	SUZUKI	GRAND VITARA 2.7	V6 2.7L FUEL INJ		2001	2009
MANN	W712	TOYOTA	4RUNNER 2.7	4 CIL 2.7L 3RZFE		1996	2000
PUROLATOR	PER183	TOYOTA	4RUNNER 3.4	V6 3.4L		2001	2004
PUROLATOR	PER28	TOYOTA	TACOMA 2.4	4 CIL 2.4L		2001	2004
SAKURA	C-1202	TOYOTA	TACOMA 2.7 4L	4 CIL 2.7L		2001	2007

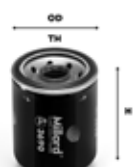
ML-3682



H = 98 mm
OD = 83 mm
TH = 3/4"-16

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8944452720	NISSAN	FRONTIER D-22 2.4	KA24DE		2002	2009
NISSAN	15208-13201	NISSAN	PICK UP 2.4 I			2002	
NISSAN	15208-55Y00	NISSAN	PICK UP D-21	4L 2.4LTS 12 VALVE KA24DE	100	2001	2008
NISSAN	15208-H8911	NISSAN	PICK UP TITAN	V8 5.6LTS	235	2005	2006
BALDWIN	B113	NISSAN	PRIMERA 1.6 16V	GA16DE		1996	
FRAM	PH3682	NISSAN	PULSAR 1.5	QG15DE	66	1995	2000
LYS	LF2825	NISSAN	SENTRA 1.6 B13	GA16DE	66	1991	1994
MANN	W7131	NISSAN	SENTRA B13 1.6	4L 1.6LTS 16 VALVE GA16DNE	88	1997	2008
PUROLATOR	PER276	NISSAN	SENTRA B14 1.6	4L 1.6LTS 16 VALVE GA16DNE	67	1996	2000
SAKURA	C1805	NISSAN	SENTRA B14 CLASICO	GA16DE	66	2000	2012

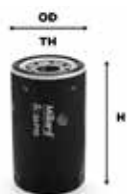
ML-3690



H = 158 mm
OD = 119 mm
TH = 1 1/2"-12
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	311223	ISUZU	EXZ	6V-92			
BALDWIN	B105						
DONALDSON	P550947						
FLEETGUARD	LF3333SC						
FRAM	PH3690						
LUBER-FINER	LFP947						
LYS	LF780						
MANN	WP1240						
PUROLATOR	PER279						
SAKURA	C1301						

ML-36910



H = 222 mm
OD = 122 mm
TH = 1 1/2"-12

CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU 8-94391049-4	ISUZU	FORWARD 7.1	6HE1-TC	171	1996	1999
BALDWIN B7005	ISUZU	FORWARD 7.2	6HL1	140	1999	2004
DONALDSON P551381	ISUZU	FORWARD 7.8	6HK1	210	1999	
FLEETGUARD LF734	ISUZU	FORWARD 7.8	6HK1-T	140	1999	2011
FRAM PH3757	ISUZU	FORWARD 7.8	6HK1-TC		2008	2011
LUBER-FINER LFP734	ISUZU	FORWARD 7.8	6HK1-TCC			
MANN W 12 205	ISUZU	FORWARD 7.8	6HK1-TCN	177	1999	2004
PUROLATOR PER-213	ISUZU	FORWARD 7.8	6HK1-TCS			
SAKURA C-1305	ISUZU	FORWARD 8.2	6HA1		1999	2004
	ISUZU	FORWARD 8.2	6HA1-CNG		1997	2001

ML-37024



H = 162 mm
OD = 105 mm
TH = 1"-12

CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA 15613-78020	HINO	300 SERIES	N04C		2011	
TOYOTA 15613-78021	HINO	300 SERIES	N04CTI			
TOYOTA 15613-89106	HINO	DUTRO 4.0	N04C		2004	2006
DONALDSON P502413	HINO	DUTRO 4.0	N04C-T		2004	2006
FLEETGUARD LF16253	HINO	DUTRO 4.0	N04C-TH		2006	2011
LUBER-FINER LFP5748	HINO	DUTRO 4.0	N04C-TJ		2006	2010
PUROLATOR FCO-510	HINO	DUTRO 4.0	N04C-TK		2006	2010
SAKURA C1318	HINO	DUTRO 4.0	N04C-UE		2007	2011
SAKURA C1323	HINO	DUTRO 4.0	N04C-UV		2011	
SAKURA C1328	HINO	DUTRO 4.9	S05D		1999	2006

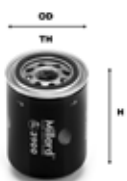
ML-3807



H = 81 mm
OD = 82 mm
TH = M20x1.5
BY PASS = Y

CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO	
HONDA 15400-611-003	HONDA	CR-V	4L 2.0LTS	111	1998	2001
HONDA 15400-MJ0-003	HONDA	FIT	4 CIL 1.4L		2003	2006
HYUNDAI 26300-35056	HONDA	HR-V	4 CIL 1.6L D16A		1999	2005
HYUNDAI 26300-35500	HYUNDAI	ACCENT 1.3	G4EA	55	2000	
ISUZU 8944597000	HYUNDAI	ACCENT 1.4			2006	2011
MITSUBISHI MD030795	HYUNDAI	ACCENT 1.5	G4ECG	75	2000	
FRAM PH3593	HYUNDAI	ELANTRA	4L 1.6LTS DOHC 16 VALVE	79	2009	2012
PUROLATOR L14459	HYUNDAI	I30	1.6L G4FC		2007	2011
PUROLATOR PER194	HYUNDAI	TUCSON 2.0	G4GC	104	2004	2009
SAKURA C-1002	HYUNDAI	TUCSON 2.0	G4NA	110	2015	2018

ML-3900



H = 137 mm
OD = 95 mm
TH = 1"-16
BY PASS = Y

CROSS REFERENCES	BRAND	MODEL	ENGINE	HP	AÑO	
CUMMINS 3903224	CUMMINS	ENGINES	4B-3.9L			
BALDWIN BT427	CUMMINS	ENGINES	4BT-3.9L			
DONALDSON P558616	HITACHI	ZW140	QSB4.5			
FLEETGUARD LF3345						
FRAM PH3900						
LYS LF8616						
MANN W94035						
PUROLATOR L34421						
PUROLATOR PER4421						
SAKURA C5703						

ML-39132



H = 112 mm
OD = 57 mm
ID1 = 18 mm
ID2 = 18 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	15209-00Q0D	NISSAN	NV400 2.3 DCI BITURBO 140		100	2014	
NISSAN	15209-00Q0G	NISSAN	NV400 2.3 DCI BITURBO 160		120	2014	
RENAULT	15 20 945 43R	NISSAN	QASHQAI 1.6	R9M		2013	
RENAULT	77 01 070 114	NISSAN	X-TRAIL 1.6	R9M		2014	
FRAM	CH11208ECO	RENAULT	MASTER III 2.3 DCI	M9T 676 686 690 692 696 698	92	2013	
MAHLE	OX3891D	RENAULT	MASTER IV 2.3 DCI 100	M9T670 676 690 692	74	2010	
MANN	HU6011Z	RENAULT	MASTER IV 2.3 DCI 110	MT9	81	2014	
SAKURA	EO-18060	RENAULT	MASTER IV 2.3 DCI 125	M9T676 686 690 692 696 698	92	2010	
		RENAULT	MASTER IV 2.3 DCI 150	M9T880	110	2013	
		RENAULT	MASTER IV 2.3 DCI BITURBO 140		100	2014	

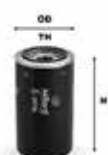
ML-3950



H = 83 mm
OD = 92 mm
TH = M20x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	B173-S	HYUNDAI	I30	1.4L D4FAE		2007	2011
FLEETGUARD	LF3657	HYUNDAI	SANTA FE	2.4L G4K		2012	
FLEETGUARD	LF3996	HYUNDAI	SANTA FE	2.7L G6EA		2007	
FRAM	PH2856A	HYUNDAI	TUCSON 2.0	G4KD		2010	
MAHLE	OC152	KIA	CARENS 2.0	G4KA	106	2006	
PUROLATOR	PER286	MITSUBISHI	ECLIPSE 3.0	V6 3.0L FUEL INJ		2000	2005
TECFIL	PSL321	MITSUBISHI	ECLIPSE SPYDER 3.0	V6 3.0L FUEL INJ		2001	2001
		MITSUBISHI	GALANT 3.0	V6 3.0L FUEL INJ		2001	2001
		MITSUBISHI	MONTERO 3.8	V6 3.8L FUEL INJ		2003	2008
		MITSUBISHI	NATIVA 3.0	V6 3.0L		1998	2004

ML-3976



H = 172 mm
OD = 93 mm
TH = 1"-16

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	BT339	CUMMINS	ENGINES	6B-5.9L			
DONALDSON	P558615	DODGE	PICKUPS	6BT5.9 TURBO		1997	1997
FLEETGUARD	LF3349	VOLKSWAGEN	13.170	6BTAA		2000	
FRAM	PH3976A	VOLKSWAGEN	13.190	6BTAA	104	2001	2005
LUBER-FINER	LFP780	VOLKSWAGEN	15.170	6BTAA		2000	2001
LYS	LF615	VOLKSWAGEN	15.190	6BTAA	119	2001	2005
MANN	W95018	VOLKSWAGEN	17.210	6BTAA		2000	
PUROLATOR	PER4422	VOLKSWAGEN	17.210	6BTAA		2002	
SAKURA	C5704	VOLKSWAGEN	17.220	6BTAA		2000	
		VOLKSWAGEN	23.210	6BTAA	157	2001	2005

ML-42040



H = 117 mm
OD = 93 mm
TH = M26x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	26300-42030	HYUNDAI	H1 TQ 2.5	2.5 SOHC 8V	98	2007	2012
HYUNDAI	26300-42060	HYUNDAI	H100 2.5	4D56		2004	
ISUZU	8973299110	HYUNDAI	H100 2.6	D4BB		2004	
KIA	OK55114302	HYUNDAI	H-100 FURGON	2.6 4L	84	2001	2005
KIA	K55114302	HYUNDAI	H-100 VAN	2.5L		2002	
BALDWIN	BD28	HYUNDAI	H350 II 2.5 CRDI	D4CB	125	2015	
FLEETGUARD	LF16227	KIA	CARENS 2.0 CRDI	D4EA	83	2002	2005
FRAM	PH10127	KIA	CARNIVAL 2.9 CRDI	J3TC	136	2001	2006
MANN	W9334	KIA	K2700	4L 2.7LTS		2001	2005
SAKURA	C-2906	KIA	PREGIO 2.5 D	2.5L	60	2001	2005

ML-43320



H = 158 mm

OD = 66 mm

ID1 = 17 mm

ID2 = 17 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8-7200081-0	ISUZU	ELF 3.0	4JJ1	86	2006	
ISUZU	8-98018858-0	ISUZU	ELF NJR	4JJ1-TCS			
MAZDA	1K04-23-802	ISUZU	ELF NLR	4JJ1-TCS			
BALDWIN	P40021	ISUZU	ELF NMR	4JJ1-TCS			
DONALDSON	P502597	ISUZU	ELF NNR	4JJ1-TCS			
FLEETGUARD	LF17501	ISUZU	ELF NPR	4JJ1-TCS			
LUBER-FINER	LP5905	ISUZU	ELF200	4JJ1-TC			
MANN	HU 7074 X	ISUZU	ELF300	4JJ1-T			
SAKURA	EO-1501	MAZDA	ATLAS CONDOR 4.6	4HV1	95	2010	2013
		MAZDA	TITAN 3.0	4HL1	103	2012	

ML-4382



H = 195 mm

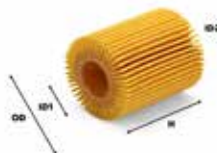
OD = 109 mm

ID1 = 17 mm

ID2 = 32 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MITSUBISHI	ME034605	MITSUBISHI	FK 615	6D16-2A, 6D16-2AT2		1997	2004
MITSUBISHI	ME034611						
BALDWIN	P249						
DONALDSON	P550378						
FLEETGUARD	LF3514						
FRAM	CH4382						
LUBER-FINER	LP5912						
PUROLATOR	P249						
PUROLATOR	PP312						
SAKURA	O1006						

ML-44155



H = 67 mm

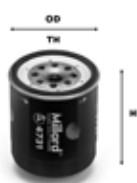
OD = 69 mm

ID1 = 28 mm

ID2 = 28 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	04152-0V010	TOYOTA	CAMRY 3.5	V6 3.5LTS DOHC 24V VVT-I 2GR-FE	204	2006	2008
TOYOTA	04152-31080	TOYOTA	RAV4 2.5	2AR-FE	132	2012	
TOYOTA	04152-YZZA1						
FRAM	CH9972						
LUBER-FINER	P967						
LYS	L2189						
MANN	HU7019Z						
PUROLATOR	L25608						
SAKURA	EO-1101						

ML-4731



H = 127 mm

OD = 105 mm

TH = M20x1.5

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8941673990	CHEVROLET	LUV PICK UP 2.3	4 CIL 2.3L ISUZU 4JA1		1995	1997
ISUZU	8944289310	FIAT	FIORINO	4 CIL 1.3L GNC		2006	2006
MITSUBISHI	ME004099	KIA	TRADE	3.5L		1998	1998
MITSUBISHI	ME014833	MITSUBISHI	CANTER 434	4D31	112	1992	1995
BALDWIN	B109	MITSUBISHI	CANTER FE 444	4L 3.3LTS 4D31-OA,OAT	112	1991	
FLEETGUARD	LF3407						
FRAM	PH4731						
LUBER-FINER	LFP2255						
PUROLATOR	L20290						
SAKURA	C1502						

ML-4847



H = 146 mm
OD = 109 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FIAT	71739634	PEUGEOT	BOXER 2.8 HDI	8140.43S	126	2005	2006
IVECO	92841117						
PEUGEOT	1109Q1						
PEUGEOT	1109Q4						
RENAULT	7701035650						
BALDWIN	BD232						
FRAM	PH4847						
LUBER-FINER	LFP2241						
MANN	W43						
PUROLATOR	L37293						

ML-49



H = 263 mm
OD = 110 mm
TH = 1 1/8"-16

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	1R0739	FREIGHTLINER	CONDOR	CAT C10			
IVECO	42537127	FREIGHTLINER	CONDOR	CAT C7			
VOLVO	4787362	JAC	HK6880K	G20JA700138		2008	2008
BALDWIN	B7054	VOLVO	B10	THD 104 KB,KF	254	1996	1998
FLEETGUARD	LF3321	VOLVO	B12	THD100DB		1996	1998
FRAM	PH49A	VOLVO	B12	THD122FL		1997	1998
LYS	LF67	VOLVO	B58			1996	1998
MANN	W1110211	VOLVO	FH 12	D12A, B, C, D		1998	2002
PUROLATOR	PER67	VOLVO	FH 12-340	D12A, B, C, D		1993	2002
SAKURA	C-5506	VOLVO	FH 12-380	D12A	279	1994	

ML-4967



H = 72 mm
OD = 67 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	90915-03001	TOYOTA	COROLLA 1.6	4L 1.6LTS 16V 4A-F	71	1990	1998
TOYOTA	90915-10001	TOYOTA	COROLLA 1.6	4L 1.6LTS 16V DOHC 4A-FE II	82	1998	2002
TOYOTA	90915-10003	TOYOTA	COROLLA 1.8	2ZZ-GE		2002	2007
FRAM	PH4967	TOYOTA	COROLLA 1.8	4 CIL 1.8L		1998	2004
LYS	LF3001	TOYOTA	COROLLA 1.8	4L 1.8LTS 16V VVT-I 1ZZ-FE	102	2002	2008
MAHLE	OC216	TOYOTA	COROLLA 1.8	4L 1.8LTS VVT-I 16 VALVE 2ZR-FE	98	2009	2013
MANN	W681	TOYOTA	COROLLA FIELDER 1.8	2ZZ-GE		2004	2007
MANN	W6880	TOYOTA	MATRIX 1.8	4 CIL 1.8L		2003	2004
PUROLATOR	PER241	TOYOTA	PRIUS 1.5	1NZFXE		2001	2009
SAKURA	C1109	TOYOTA	PROBOX 1.3	2NZFE		2002	2006

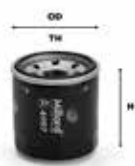
ML-49675



H = 74 mm
OD = 68 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DAIHATSU	15601-87Z01	TOYOTA	COROLLA 1.3	2NZFE		2000	2006
TOYOTA	90915-03001	TOYOTA	COROLLA 1.3 XLI	2E		1995	1997
TOYOTA	90915-10001	TOYOTA	COROLLA 1.4 VVT-I	4ZZ-FE		2002	
TOYOTA	90915-TA001	TOYOTA	COROLLA 1.5 VVT-I	1NZ-FE	76	2000	
TOYOTA	90915-YZZA3	TOYOTA	COROLLA 1.6	4L 1.6LTS 16V DOHC 4A-FE II	82	1998	2002
FRAM	PH4967	TOYOTA	COROLLA 1.8	2ZZ-GE		2002	2007
LUBER-FINER	PH2840	TOYOTA	COROLLA 1.8	4L 1.8LTS VVT-I 16 VALVE 2ZR-FE	98	2009	2013
MANN	W681	TOYOTA	RAV4 2.4	2AZ-FE	123	2008	2011
PUROLATOR	PER241	TOYOTA	TERCEL 1.3	4EFE		1990	1999
SAKURA	C1109	TOYOTA	TERCEL 1.5	3AC		1980	1987

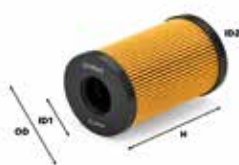
ML-4997



H = 72 mm
OD = 70 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DAIHATSU	15601-87704	CHANA	DOUBLE CABIN	4L 1.0LTS	39	2006	2007
DAIHATSU	15601-97202	CHANA	PICK UP	4L 1.0LTS	39	2006	2007
SUZUKI	1651082700	CHERY	QQ	0.8L		2007	
TOYOTA	16501-87704	CHERY	QQ	4L 1.1LTS	50	2006	2008
FRAM	PH4997	CHEVROLET	SPARK 1.0	4L 1.0LT S-TEC	50	2005	2013
LYS	LF3010	CHEVROLET	SPARK 1.0 8V	B10S	47	2006	
MAHLE	OC215	DAEWOO	MATIZ 0.8	3 CIL 0.8L F8CV		1998	2006
MANN	W672	DAIHATSU	TERIOS 1.3	HE-EJ	61	1998	2000
PUROLATOR	L18071	SUZUKI	JIMNY 1.3	4 CIL 1.3L M13A		2006	2006
SAKURA	C1204	SUZUKI	SWIFT 1.5	4 CIL 1.5L		2005	2010

ML-50629



H = 101 mm
OD = 65 mm
ID1 = 28 mm
ID2 = 21 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	03L115466	VOLKSWAGEN	AMAROK 2.0 TDI		134	2016	
VW GROUP	03L115562	VOLKSWAGEN	AMAROK 2.0 TDI	CDCA	90	2010	
FRAM	CH10759ECO	VOLKSWAGEN	CRAFTER 2.0 TDI	CKTB	80	2011	
HENGST	E115H	VOLKSWAGEN	CRAFTER 2.0 TDI	CKTC	100	2011	
HENGST	E115HD208	VOLKSWAGEN	CRAFTER 2.0 TDI	CKUB, CSNA	120	2011	
LYS	L2192	VOLKSWAGEN	CRAFTER 2.0 TDI	CKUC	105	2011	
MAHLE	OX 388D	VOLKSWAGEN	CRAFTER 2.0 TDI	CSLB	84	2013	
MAHLE	OX388D	VOLKSWAGEN	CRAFTER 2.0 TDI	CSLC	103	2015	
MANN	HU7008Z						

ML-50885



H = 187 mm
OD = 94 mm
ID1 = 39 mm
ID2 = 15 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FLEETGUARD	LF16079	ASHOK LEYLAND	1613 NEW MODEL	HINO W06DTI-6ETI BS-III			
		ASHOK LEYLAND	2214 NEW MODEL	HINO W06DTI-6ETI BS-III			
		ASHOK LEYLAND	2516	412 TCAC BS-II,BS-III			
		ASHOK LEYLAND	3516	412 TCAC BS-II,BS-III			
		ASHOK LEYLAND	4018	412 TCAC BS-II,BS-III			

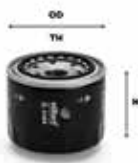
ML-5123



H = 123 mm
OD = 105 mm
TH = M24x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	90915-03006	MAZDA	B2500 PICKUP	4 CIL 2.5L		1999	2001
TOYOTA	90915-30002	TOYOTA	4RUNNER 3.0 TD	1KZ-TE	85	1997	2004
BALDWIN	BD7029	TOYOTA	AVENSIS 2.0 D4-D	1CD-FTV	66	1999	2008
FRAM	PH5123	TOYOTA	COASTER 3.0	4L 3.0LTS	106	2002	2007
LUBER-FINER	LFP5971	TOYOTA	COASTER 4.1	4L 4.1LTS 15B-FT OHV	108	2006	2008
LYS	LF3002	TOYOTA	HIACE 2.4	4 CIL 2.4L 2L		1990	1993
MAHLE	OC275	TOYOTA	HIACE 2.5D			1996	1998
MANN	WP9288	TOYOTA	HILUX 2.4 D,SURF	2L	53	1997	
PUROLATOR	L27635	TOYOTA	HILUX 3.0 D	4 CIL 3.0L 5L		1997	2005
SAKURA	C1112	TOYOTA	HILUX 3.0 TD	1KD-FTV	80	2000	2002

ML-5124



H = 87 mm
OD = 105 mm
TH = M24x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	90915-03003	TOYOTA	CALDINA 2.0	2C		1992	1998
TOYOTA	90915-30001	TOYOTA	CALDINA 2.2	4 CIL 2.2L 3CE		1999	2002
DONALDSON	P502017	TOYOTA	CALDINA 2.2 TD	3C-TE	66	2000	2004
FLEETGUARD	LF3849	TOYOTA	CORONA 2.0	2C		1993	1996
FRAM	PH5124	TOYOTA	GAIA 2.2	4 CIL 2.2L 3CTE TURBO		1998	2002
MAHLE	OC286	TOYOTA	RAV4 2.0 D4-D	1CD-FTV	66	2001	
MANN	WP1026						
PUROLATOR	FCO530						
PUROLATOR	L17634						
SAKURA	C1111						

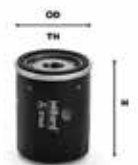
ML-5126



H = 132 mm
OD = 96 mm
TH = 1"-12
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	15208-18G00	NISSAN	AX 2.7 D	TD27	58	1997	2004
NISSAN	15208-20N00	NISSAN	BLUE BIRD 2.0 D	CD20	55	1996	2000
NISSAN	15208-20N01	NISSAN	MISTRAL 2.7 TD	TD27T	66	1997	1998
NISSAN	15208-20N02	NISSAN	MISTRAL 2.7 TDI	TD27TI	92	1996	1998
DONALDSON	P502068	NISSAN	PATROL 2.8 TD	RD28ETI	95	1997	2000
FRAM	PH5126	NISSAN	PATROL 4.2	6 CIL 4.2L TD42T		1997	1999
MAHLE	OC273	NISSAN	PATROL 4.2 TD	TD42T	107	1997	2000
MANN	WP92882	NISSAN	PULSAR 2.0 D	CD20	55	1995	2000
PUROLATOR	PER41B	NISSAN	TERRANO 3.2 TDI	QD32ETI	110	1996	1999
SAKURA	C-1812	TOYOTA	TOWN-ACE 2.0	4 CIL 2.0L 2CT		1995	1995

ML-5166



H = 84 mm
OD = 67 mm
TH = 3/4"-16

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	15208-53J00	NISSAN	MARCH	4 CIL 1.4L CR14DE		2002	2005
TOYOTA	90915-03004	NISSAN	MARCH 1.0	CR10DE	48	2002	2004
TOYOTA	90915-YZZF1	NISSAN	MARCH 1.2	CR12DE	48	2002	2009
BALDWIN	B1406	NISSAN	PRIMERA 2.0	4L 2.0LTS	108	1996	2004
BOSCH	986452556	NISSAN	SENTRA 2.0	4 CIL 2.0L SFI		1995	1995
FRAM	PH5166	NISSAN	SUNNY 1.8	SR18DE		1991	1994
MAHLE	OC218	SUZUKI	ESCUDO 1.6	M16A		2015	
MANN	W6104	SUZUKI	SX4 S-CROSS 1.6	M16A		2013	
PUROLATOR	L14477	SUZUKI	VITARA 1.6	M16A		2014	
SAKURA	C1814	TOYOTA	SPRINTER 1.6	4AGE		1991	1995

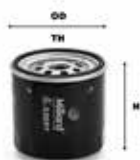
ML-51720



H = 202 mm
OD = 119 mm
TH = 1 1/2"-16

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	5-87619239-0	HINO	500 SERIES	J05D-TG			
BALDWIN	B7155	HINO	BUS 7.7	J08E-T	209	2006	2012
DONALDSON	P552050	HINO	BUS 8.8	A09C-T	265	2012	
FLEETGUARD	LF3818	HINO	TRUCK FH 8.8	A09C-T	265	2007	
FRAM	PH9116	HINO	TRUCK FR 8.8	P09C-T		2007	
LUBER-FINER	LFP2050	HINO	TRUCK FW 8.8	A09C-T	265	2007	
LYS	LF7205	HINO	TRUCK GN 8.8	P09C-T		2007	
PUROLATOR	PER-2050						
SAKURA	C-1314						
TECFIL	PSL382						

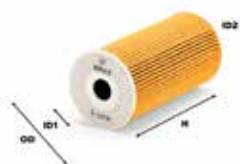
ML-53597



H = 97 mm
OD = 96 mm
TH = M20x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8-94430983-1	CHERY	Q22 1.2	SQR472WB		2013	2018
ISUZU	8-97049708-0	CHERY	TIGGO 1.6	SQR481F		2010	2014
DONALDSON	P502039	CHERY	TIGGO 1.6	SQRE4G16		2010	2014
FLEETGUARD	LF3786	CHERY	TIGGO 1.8	SQR481FC		2013	2017
FRAM	PH5203	CHERY	TIGGO 2.0	4G63S4M		2010	2018
LYS	LF5512	CHERY	TIGGO 2.0	SQR484F		2010	2018
MANN	W920/82	FOTON	VIEW 2.8	BJ493Z		2017	2018
PUROLATOR	PER-559						
SAKURA	C1503						

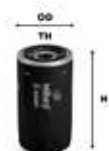
ML-53735



H = 131 mm
OD = 65 mm
ID1 = 19 mm
ID2 = 19 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FRAM	CHI1276ECO	HYUNDAI	SANTA FE 2.2 CRDI				
MAHLE	OX377D	HYUNDAI	SANTA FE 2.2 CRDI	D4EB			
MANN	HU7027Z	HYUNDAI	TUCSON 2.0 CRDI				
SAKURA	EO-28070	KIA	SORENTO 2.2 CRDI	D4CB			
		KIA	SPORTAGE 2.0 CRDI				
		KIA	SPORTAGE 2.0 CRDI	D4EA			

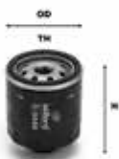
ML-55081



H = 173 mm
OD = 95 mm
TH = M27x2

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
IVECO	504033399	FORD	815 E CARGO	ISBE 4.0		2005	2011
NISSAN	15208-LA40A	FORD	816 CARGO	ISBE	119	2012	
DONALDSON	P550520	FREIGHTLINER	XB-SERIES	ISB			
FLEETGUARD	LF16015	FREIGHTLINER	XC-SERIES	ISB			
FRAM	PH9453	IVECO	EUROCARGO II 170 E 22	F4AE0681D		2004	
HENGST	H19W10	IVECO	EUROCARGO II 230 E 22	F4AE0681D	154	2006	
MAHLE	OC502	VOLKSWAGEN	10.160 DELIVERY	ISF 160	118	2013	
MANN	W 950/26	VOLKSWAGEN	13.170 E	ISBE 4.0		2003	
PUROLATOR	PER5403	VOLKSWAGEN	15.170 E	ISBE 4.0		2003	
SAKURA	C5713	VOLKSWAGEN	24.250	ISBE 6.0		2003	

ML-5548



H = 92 mm
OD = 76 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	030115561A	AUDI	A2 1.6 FSI	BAD	81	2002	2005
VW GROUP	030115561AA	SEAT	IBIZA 1.4	4L 1.4LTS MPI AKK	44	2000	2002
VW GROUP	030115561AB	VOLKSWAGEN	FOX 1.6	4L 1.6LTS SOHC 8 VALVE	76	2005	2010
FRAM	PH5548	VOLKSWAGEN	GOL 1.0 8V	1.0 AT EFI 8V		1997	2001
FRAM	PH8993	VOLKSWAGEN	POLO 1.0	ALD, AUC	37	1999	2001
HENGST	H90W11						
MAHLE	OC 263						
MANN	W7125						
PUROLATOR	L17270						
SAKURA	C-6214						



ML-5552



H = 122 mm
OD = 76 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
PEUGEOT	1109C1	AUDI	A3 (8L1) 1.6	AVU, BFQ	75	2000	2007
VW GROUP	030115561D	AUDI	A3 (8L1) 1.8 T	AGU, AQA, ARZ, AUM	110	2001	2007
VW GROUP	034115561A	AUDI	A4 (8D2, B5) 2.8	ACK, ALC, AMX, APR, AQD	142	1996	2000
BALDWIN	B178	AUDI	A4 (8E2, B6) 1.6	ALZ	75	2000	2004
DONALDSON	P554770	SEAT	CORDOBA 2.0	4L 2.0 LTS 8 VALVE BBX	86	2003	2008
FLEETGUARD	LF785	SEAT	IBIZA 1.6	4L 1.6LTS 16 VALVE AKL, APF, AEH	74	2000	2002
FRAM	PH2870A	VOLKSWAGEN	GOL III 1.8	4L 1.8LTS UDH	75	1997	2007
MAHLE	OC240	VOLKSWAGEN	GOLF 1.6	4 CIL 1.6L		2006	2006
MANN	W71912	VOLKSWAGEN	JETTA 1.8	4 CIL 1.8L FUEL INJ TURBO		2000	2004
PUROLATOR	L20252	VOLKSWAGEN	PASSAT 2.0	4 CIL 2.0L AZM		2000	2005

ML-5566



H = 87 mm
OD = 77 mm
TH = M20x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CITROËN	1109.39	CITROEN	BERLINGO 1.8 I	LFY XU7JB	66	1997	2001
CITROËN	1109.39	CITROEN	BERLINGO 1.9 D	DJY XUD9A	51	1997	2000
HYUNDAI	26300-21010	CITROEN	C4 2.0	4 CIL 2.0L		2004	2005
NISSAN	15208-6F905	CITROEN	C5 2.0	4 CIL 2.0L		2000	2004
PEUGEOT	1109K1	CITROEN	C5 3.0	6 CIL 3.0L		2000	2005
RENAULT	15 20 895 99R	PEUGEOT	206 1.4 8V	TU3JP, TU3A	55	2004	2005
FRAM	PH5566	PEUGEOT	206 1.6	4 CIL 1.6I		1998	1999
MAHLE	OC271	PEUGEOT	306 1.9 TD XRDT	DHY XUD9TE	66	1999	2002
MANN	W71216	PEUGEOT	BOXER	4 CIL 2.2L		2002	2006
PUROLATOR	L14619	PEUGEOT	PARTNER	4 CIL 1.9L		2003	2006

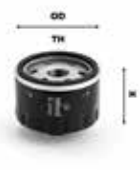
ML-56155



H = 95 mm
OD = 78 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	03C 115 561 B	AUDI	A1 1.4 16V TFSI	CAVG, CTHG, CTJA			
VW GROUP	03C 115 561 D	AUDI	A1 1.4 16V TFSI	CAXA, CNVA			
VW GROUP	03C 115 561 H						
VW GROUP	03C 115 561 J						
FRAM	PH10757						
HENGST	H312W						
MAHLE	OC 593/3						
MANN	W 712/90						
SAKURA	C-31081						

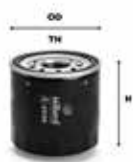
ML-57961



H = 65 mm
OD = 78 mm
TH = M20x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
PEUGEOT	1109.A4	RENAULT	CLIO 1.4	4L 1.4LTS	69	1996	2000
RENAULT	7 700 033 408	RENAULT	CLIO 1.6	K4M 748, K4M 708	79	2001	2009
RENAULT	7 700 073 302	RENAULT	CLIO II 1.4i 16V	4L 1.4LTS DOHC 16V K4J 712	69	2002	2007
RENAULT	7 700 107 905	RENAULT	CLIO II 1.6 I	4L 1.6LTS DOHC 16V K4M 744	82	2008	2013
FRAM	PH5796	RENAULT	DUSTER 1.6 16V HI-FLEX	1.6 16V	85	2011	
LUBER-FINER	PH3942	RENAULT	DUSTER 4X2 DYNAMIQUE	2.0 LTS DOHC 16V	99	2013	2014
MAHLE	OC111	RENAULT	LOGAN 1.4	4L 1.4LTS SOHC 8V K7J 710	55	2004	2013
MANN	W 75/3	RENAULT	MEGANE 2.0	2.0 DOHC 16V	140	2005	2008
PUROLATOR	PER159	RENAULT	SANDERO 1.6	K7M 812		2012	2019
		RENAULT	SYMBOL 1.6	4L 1.6LTS DOHC 16V K4M	77	2008	2013

ML-5934



H = 123 mm
OD = 123 mm
TH = 1 1/2"-12
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	8970697770	ISUZU	ELF350	4HE1-T		1993	1995
ISUZU	8971364700	ISUZU	ELF450	4HF1-T		1993	1995
ISUZU	8971482700	ISUZU	FORWARD 4.8	4HE1-T		1995	1999
BALDWIN	BD7169	ISUZU	FORWARD 5.0	4HJ1		1997	1999
DONALDSON	P502042	ISUZU	FORWARD 5.2	4HK1-TCS			
FLEETGUARD	LF3854	ISUZU	FORWARD 7.8	6HK1-T		2003	2008
FRAM	PH5934	ISUZU	NPR	4HG1-T			
LUBER-FINER	LFP5964	ISUZU	NQR	4HK1-T			
PUROLATOR	PER-4906	ISUZU	NRR	4HK1-T			
SAKURA	C-1515	NISSAN	ATLAS 4.8	4HE1-T		1995	1999

ML-59873



H = 104 mm
OD = 65 mm
ID1 = 19 mm
ID2 = 19 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FRAM	CH10670ECO	HYUNDAI	I20 1.1	D3FA		2016	
HENGST	E825H D265	HYUNDAI	I20 1.4	D4FC		2014	
MAHLE	OX 351D ECO	HYUNDAI	I20 1.6			2009	
MANN	HU 7001 X	HYUNDAI	I30 1.4	D4FC		2011	2017
PUROLATOR	FL-3300	HYUNDAI	I30 1.6	D4FB		2011	2017
SAKURA	EO-28060	HYUNDAI	I40 1.7	D4FD		2011	2015
		HYUNDAI	IX 35 1.7			2010	
		KIA	RIO 1.1	D3FA		2011	
		KIA	RIO 1.4	D4FC		2014	
		KIA	SPORTAGE 1.7	D4FD		2015	2019

ML-60461



H = 265 mm
OD = 121 mm
ID1 = 53 mm
ID2 = 14 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MITSUBISHI	MX901584	FREIGHTLINER	BUSINESS CLASS M2	MBE4000			
BALDWIN	P7230	FREIGHTLINER	BUSINESS CLASS M2	MBE460			
DONALDSON	P550769	FREIGHTLINER	CASCADIA	MBE4000			
FLEETGUARD	LF16046	FREIGHTLINER	CENTURY CLASS CST112	CAT C13			
FRAM	CH9558	FREIGHTLINER	CENTURY CLASS S,T	MBE4000			
LUBER-FINER	LP5048	MERCEDES-BENZ	1634, L	OM447LA		2000	
MAHLE	OX 348D ECO	MERCEDES-BENZ	1634, LS	OM447LA		2000	
MANN	HU 12 110 X	MERCEDES-BENZ	1634 LS	OM457LA		2006	
PARTMO	PP7230SP	MERCEDES-BENZ	AXOR, 1835	OM457LA		2001	2004
TECFIL	PEL2004	MERCEDES-BENZ	AXOR, 1840	OM457LA		2001	2004

ML-6355



H = 137 mm
OD = 104 mm
TH = M26x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HYUNDAI	26300-42000	HYUNDAI	COUNTY 3.9	D4DD	89	2004	
MITSUBISHI	MD069782	HYUNDAI	GALLOPER	4 CIL 2.8L TURBO		1997	2000
MITSUBISHI	MD069783	HYUNDAI	HD72 4.0	D4DB		2009	
NISSAN	15208-HA300	HYUNDAI	TRUCK HD 72	4L 3.9LTS D4DB	98	2007	2009
DONALDSON	P551343	KIA	CARNIVAL 2.9 TD	2.9L	93	2001	2005
FRAM	PH6355	MAZDA	B2500	2.5 WL	105	1997	1999
LYS	LF604	MITSUBISHI	CANTER 3.0	4M42		2004	2013
MANN	WP92881	MITSUBISHI	CANTER 3.9	4 CIL 3.9L 4D34-2AT6 EURO3		2005	2006
PUROLATOR	L34750	MITSUBISHI	CANTER 4.2	4 CIL 4.2L ED33		1999	2002
SAKURA	C1008	MITSUBISHI	L200 2.5 D	4D46	55	1996	2005

ML-64846



H = 140 mm

OD = 78 mm

TH = M27x1.5

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
VW GROUP	06J 115 403 C	AUDI	A3 1.8 TFSI	BYT, BZB, CDAA	118	2006	
VW GROUP	06J 115 403 J	AUDI	A3 2.0 16V FSI	BWA		2007	
VW GROUP	06J 115 403 M	AUDI	A3 2.0 LE			2007	2012
VW GROUP	06J 115 403 Q	AUDI	A4 1.8 TFSI	CABA, CDHA	88	2008	
FRAM	PH10600	AUDI	A4 1.8 TFSI	CABB, CDHB	118	2007	2012
LUBER-FINER	PH610	AUDI	A4 2.0			2014	2014
MAHLE	OC 456	VOLKSWAGEN	JETTA III 2.0 TURBO FSI	BWA, BPY, CAWB, CCTA	147	2005	2010
MANN	W 719/45	VOLKSWAGEN	JETTA IV 2.0 16V TSI	CPLA, CPPA	155	2013	
PUROLATOR	L35895	VOLKSWAGEN	PASSAT 2.0 16V TSI	CCZB	155	2010	
SAKURA	C-31070	VOLKSWAGEN	TIGUAN I 2.0 16V TSI	CAWB, CCTA, CCZA	147	2007	

ML-65020



H = 52 mm

OD = 71 mm

TH = 3/4"-16

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	15601-97201	DAIHATSU	COPEN 0.6	JB-DET		2002	2012
LYS	LF1079	DAIHATSU	COPEN 0.6	KF		2014	
MAHLE	OC 775	DAIHATSU	SONICA 0.6	KF-DET		2006	2009
MANN	W67/2	SUZUKI	ALTO 1.0	G10B		1994	2002
SAKURA	C-14080	SUZUKI	ALTO 1.0	G10B		1994	2002
		SUZUKI	ALTO 1.1	F10B		2002	
		SUZUKI	ERTIGA 1.4	K14B		2012	2018
		SUZUKI	KARIMUN ESTILO 1.1			2011	
		SUZUKI	SWIFT 1.2	K12M		2011	2018

ML-6607



H = 68 mm

OD = 71 mm

TH = M20x1.5

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HONDA	15400-PJ7-005	HYUNDAI	ATOS 1.0	G4HC	40	1998	2001
HYUNDAI	26300-02500	HYUNDAI	ATOS PRIME 1.0	G4HC-E	43	2002	2006
KIA	26300-02501	HYUNDAI	I20 1.2			2009	2014
MAZDA	B6Y114302	HYUNDAI	I20 1.2	G4LA		2014	2018
MITSUBISHI	MD348631	HYUNDAI	I20 1.4			2010	2014
NISSAN	15208-3J400	KIA	PICANTO 1.1	G4HG	49	2004	2010
FRAM	PH6607	KIA	PICANTO III 1.0	G3LA	49	2017	
LYS	LF520	KIA	PICANTO III 1.2	G4LA	62	2017	
MANN	W1035	NISSAN	SENTRA 1.8	4 CIL 1.8L		2000	2006
SAKURA	C-1605	NISSAN	SENTRA 2.0	4 CIL 2.0L FUEL INJ		2000	2007

ML-6657



H = 105 mm

OD = 93 mm

TH = M18x1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MITSUBISHI	ME014838	MITSUBISHI	CANTER 3.3 D	4D30	64	1982	1989
BALDWIN	BT338	MITSUBISHI	CANTER 3.6 D	4D32	81	1985	1993
DONALDSON	P550242	MITSUBISHI	CANTER 4.2 D	4D33	68	1986	1995
FLEETGUARD	LF3524						
FRAM	PH6657						
LUBER-FINER	LFP5010						
LYS	LF838						
MANN	WP922						
PUROLATOR	L25241						
SAKURA	C1006						

ML-67340



H = 70 mm

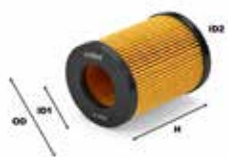
OD = 65 mm

ID1 = 31 mm

ID2 = 31 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	1720 612	FORD	RANGER 2.2 TDCI	DURATORQ	88	2012	2016
FORD	U202-14-302T	FORD	RANGER 3.2 TDCI	DURATORQ	147	2012	2016
MAZDA	BB3Q-6744-BA	MAZDA	BT-50 2.2 TDCI	DURATORQ	88	2012	2016
MAZDA	U2Y0-14-302	MAZDA	BT-50 3.2 TDCI	DURATORQ	147	2012	2016
HENGST	E827H D270						
LYS	L1902						
MAHLE	OX834D						
MANN	HU7002Z						
SAKURA	EO-17030						

ML-67845



H = 104 mm

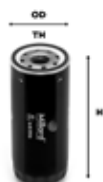
OD = 84 mm

ID1 = 42 mm

ID2 = 42 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BMW	11 42 1 427 908	BMW	320i, 323i, X3, X5, Z3, Z4				
BMW	11 42 7 509 430						
BMW	11 42 7 512 300						
BMW	11 42 7 512 301						
FRAM	CH8081						
FRAM	CH8081ECO						
MAHLE	OX154D						
MANN	HU9253X						
PUROLATOR	L25247						
SAKURA	EO-3009						

ML-68356



H = 263 mm

OD = 110 mm

TH = 1 3/8"-16

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
ISUZU	1132401310	VOLVO	FH 12-340	D12A, B, C, D		1993	2002
VOLVO	21170573	VOLVO	FH 12-380	D12A	279	1994	
BALDWIN	B7409	VOLVO	FH 12-380	D12C	279	1998	
DONALDSON	P550425	VOLVO	FH 12-420	D12A	309	1996	
FLEETGUARD	LF17502	VOLVO	FH 12-420	D12C	309	1998	
FRAM	P9407	VOLVO	FH 12-420	D12D	309	2003	
LYS	LF477556	VOLVO	NH 12-380	D12C380	279	1998	2003
MANN	WP 11 102/3	VOLVO	NH 12-420	D12C420	308	1999	
PUROLATOR	PER-250-V	VOLVO	NH 12-460	D12C	338	1999	
SAKURA	C-5717	VOLVO	VN SERIES	VOLVO VED12			

ML-6848



H = 163 mm

OD = 63 mm

ID1 = 21 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MERCEDES BENZ	A1041840825	MERCEDES-BENZ	SPRINTER 214 2.3	M111.979	105	1995	2006
VW GROUP	00A 115 466	MERCEDES-BENZ	SPRINTER 314 2.3	M111.979	105	1995	2006
BALDWIN	P1419						
DONALDSON	P502214						
FRAM	CH6848						
LYS	L810						
MAHLE	OX105						
MANN	H7271						
PUROLATOR	L37858						
SAKURA	EO-2624						

ML-7136



H = 203 mm
OD = 109 mm
TH = 1"-12

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	B309	MERCEDES-BENZ	BUS 366	6L		1998	1999
DONALDSON	P550319	MERCEDES-BENZ	BUS 366 MONOBLOCK	6L		1997	1998
FLEETGUARD	LF3455						
FRAM	PH7136						
LUBER-FINER	LFP2244						
LYS	LF6815						
MANN	W11685						
PUROLATOR	FCO514						
SAKURA	C5301						
TECFIL	PSL301						

ML-76000



H = 299 mm
OD = 119 mm
TH = M95x2.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	BD7154	CUMMINS	ISM				
DONALDSON	P550949	CUMMINS	ISX11.9				
FLEETGUARD	LF9001	CUMMINS	QSM11				
LUBER-FINER	LFP9001	CUMMINS	QSM12				
MANN	WP 12 120/1	CUMMINS	SIGNATURE 600				
PARTMO	AD9080SP	CUMMINS	TIER 4, ISX15				
PUROLATOR	L-65329	CUMMINS	TIER 4, QSX15				
		CUMMINS	X15				
		DOOSAN	DL SERIES, DL450	CUMMINS QSM11			
		FREIGHTLINER	CENTURY CLASS S,T	CUMMINS ISX			

ML-77000



H = 299 mm
OD = 118 mm
TH = M95x2.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	BD50000	FREIGHTLINER	CENTURY C120	CUMMINS ISX			
DONALDSON	P559000	FREIGHTLINER	CENTURY CST120	CUMMINS ISX			
FLEETGUARD	LF14000NN	KENWORTH	W900	CUMMINS ISM11			
FRAM	PH8691A	KENWORTH	W900S	CUMMINS ISM11			
HENGST	H371W	VOLVO	VNL 420	VOLVO VED12			
LUBER-FINER	LFP9001XL	VOLVO	VNL 430	CUMMINS ISX			
MANN	W 11 022	VOLVO	VNL 430	VOLVO VED12			
SAKURA	C-57430	VOLVO	VNL 660	CUMMINS ISX			
TECFIL	PSL901						

ML-777



H = 253 mm
OD = 119 mm
TH = 1 3/8"-16

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	1W-8845	FREIGHTLINER	C112	CAT C12			
BALDWIN	B7577	FREIGHTLINER	CENTURY C112	CAT 3176			
DONALDSON	P550777	FREIGHTLINER	CENTURY C112	CAT C10			
FLEETGUARD	LF777	FREIGHTLINER	CENTURY C120	CAT C10			
FRAM	P3555A	FREIGHTLINER	CENTURY C120	CUMMINS L10			
LUBER-FINER	LFP777B	FREIGHTLINER	CENTURY C120	CUMMINS N14			
LYS	LF770	FREIGHTLINER	CENTURY CLASS S,T	CAT C11			
MANN	WP 1270	FREIGHTLINER	CENTURY CLASS S,T	CAT C13			
PUROLATOR	PER-250	FREIGHTLINER	CENTURY CST112	CAT C12			
SAKURA	C-5718	FREIGHTLINER	CONDOR	CAT C10			

ML-78878



H = 245 mm

OD = 95 mm

TH = 1 3/8"-12

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	1G-8878	VOLVO	FH 12 SERIES FH 12 380	D12D			
FORD	F0NN6714CA12	VOLVO	FH 12 SERIES FH 12 420	D12D			
VOLVO	11036607	VOLVO	FH II SERIES FH 420	D13C			
BALDWIN	BT8851-MPG	VOLVO	FH II SERIES FH 420	D13K			
DONALDSON	P763535	VOLVO	FH II SERIES FH 650	D16K			
FLEETGUARD	HF6553	VOLVO	FH II SERIES FH 700	D16G			
FRAM	P6893						
LUBER-FINER	LFH4990						
MANN	WH 980/3						
SAKURA	HC-5504						

ML-8



H = 132 mm

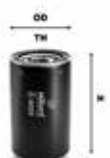
OD = 95 mm

TH = 3/4"-16

BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHRYSLER	5221313	AUDI	A4 (8E2, B6) 1.8T	AVJ	110	2000	2002
DAIHATSU	15600-87202	AUDI	A4 (8E2, B6) 3.0	ASN,AVK	162	2000	2004
FORD	2720E4601A	FREIGHTLINER	CENTURY CLASS S,T	CAT C11			
NISSAN	15208-65002	FREIGHTLINER	COLUMBIA	DETROIT DIESEL SERIES 60			
NISSAN	15208-65011	NISSAN	ATLAS CONDOR 3.2 D	QD32	76	1997	2004
VW GROUP	068115561A	NISSAN	AX 3.2 D	QD32	76	1998	2005
BALDWIN	B2	TOYOTA	FORTUNER 3.0	5L-E		2005	2013
FRAM	PH8	TOYOTA	HIACE 2.4	4 CIL 2.4L 2L		1990	1993
MANN	W940	TOYOTA	HIACE 2.5	4 CIL 2.5L 2KDFTV		2004	2004
SAKURA	C1121	VOLKSWAGEN	GOL 1.9	4 CIL 1.9L FUEL INJ		1995	1995

ML-8025



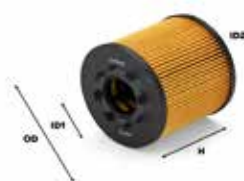
H = 217 mm

OD = 125 mm

TH = M36x1.5

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
MITSUBISHI	ME074235	MITSUBISHI	FIGHTER FK 4.9	4M50-T		2004	2010
MITSUBISHI	ME130968	MITSUBISHI	FIGHTER FK 7.5	6M60-T		1999	2010
BALDWIN	BD1403	MITSUBISHI	FIGHTER FL 7.5	6M60-T		2004	2010
DONALDSON	P552562	MITSUBISHI	FIGHTER FM 7.5	6M60-T		1999	2010
FLEETGUARD	LF3586	MITSUBISHI	FIGHTER FQ 7.5	6M60-T		1999	2010
FRAM	PH8025	MITSUBISHI	FUSO	6M60-T		2012	
LUBER-FINER	LFP2440	NISSAN	DIESEL BUS 7.5	6M60-T		2007	
LYS	LF4013						
PUROLATOR	FCO-549						
SAKURA	C-1007						

ML-85571



H = 91 mm

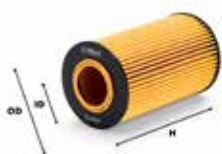
OD = 92 mm

ID1 = 34 mm

ID2 = 34 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	15209-00QAA	RENAULT	MASTER II 2.5 DCI 16V	G9U-750	114	2005	2012
RENAULT	7700109402						
RENAULT	7701472321						
BALDWIN	P7455						
BOSCH	1457429198						
FRAM	CH9462						
HENGST	E64HD96						
MAHLE	OX210D						
MANN	HU923X						
PUROLATOR	L18282						

ML-87069



H = 150 mm
OD = 84 mm
ID1 = 36 mm
ID2 = 10 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DEUTZ	0293 1094	MERCEDES BENZ	915 ELECTRONICO	OM 904 LA			
VOLVO	11708550	MERCEDES BENZ	ACCELO 1016	OM 924 LA			
BALDWIN	P7199	MERCEDES BENZ	ACCELO 815	OM 924 LA			
DONALDSON	P550768	MERCEDES BENZ	ACCELO 915 C	OM 904 LA			
FLEETGUARD	LF3827	MERCEDES BENZ	ATEGO II 1315	OM 904 LA			
FRAM	CH8751	MERCEDES BENZ	ATEGO II 1418	OM 904 LA			
LUBER-FINER	LP8700	MERCEDES BENZ	ATEGO II 1718	OM 904 LA			
MANN	HU 931/5 X	MERCEDES BENZ	ATEGO II 1720	OM 924 LA			
PUROLATOR	FLP-210	MERCEDES BENZ	ATEGO II 1736	OM 924 LA			
SAKURA	EO-2626	MERCEDES BENZ	ATEGO II 1748	OM 924 LA			

ML-88227



H = 140 mm
OD = 96 mm
TH = 3/4"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
RENAULT TRUCKS	5000040870	FREIGHTLINER	COLUMBIA	CAT C13			
TOYOTA	11501-00381	FREIGHTLINER	COLUMBIA	MBE4000			
VOLVO	4804651	FREIGHTLINER	CONDOR	CAT C10			
VW GROUP	028115561E	MAZDA	BT-50 2.5 D	MD25NA	57	2007	2008
VW GROUP	068115561B	MAZDA	BT-50 2.5 D	WLC	105	2007	2009
VW GROUP	681155613	NISSAN	SUNNY 1.7	CD17		1991	1992
BALDWIN	B1	TOYOTA	FORTUNER 3.0	5L-E		2005	2013
FRAM	PH1	TOYOTA	HIACE 3.0	5L-E		2013	
PUROLATOR	PER83	TOYOTA	HILUX 3.0	5L-E		2004	2015
SAKURA	C1102	VOLVO	V70 2.5 TDI	D 5252 T	103	2000	2005

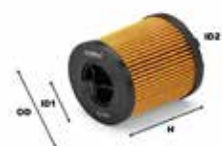
ML-89104



H = 206 mm
OD = 115 mm
TH = 1 1/2"-16
DRAIN = M8 x 1.25

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
TOYOTA	15613-89104	HINO	500 SERIES	J08E		2008	2010
BALDWIN	B7155	HINO	500 SERIES	J08E		2011	
DONALDSON	P550371	HINO	500 SERIES	J08E-TB			
FLEETGUARD	LF3618	HINO	500 SERIES	J08E-TE			
LUBER-FINER	LFP5760	HINO	RANGER	A09C			
LYS	LF1012	HITACHI	EX220-2	H06C-T			
PUROLATOR	L-44872	HITACHI	EX220-5	H07C-TD	115		
PUROLATOR	PER2050	HITACHI	EX230LC-5	H07C-TD	115		
SAKURA	C-1303	HITACHI	EX230LCH-5	H07C-TD			
		HITACHI	EX270-2	H06C-T			

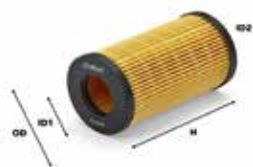
ML-9018



H = 89 mm
OD = 64 mm
ID1 = 35 mm
ID2 = 30 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FIAT	71752468	CHEVROLET	CAPTIVA 2.4	16V ECOTEC	126	2008	2011
OPEL	5650329	CHEVROLET	EQUINOX 2.4	LEA	136		
BALDWIN	P1445						
BOSCH	1457429183						
FRAM	CH9018						
LUBER-FINER	P2225						
MAHLE	OX258						
MANN	HU692X						
PUROLATOR	L15386						
PUROLATOR	L15436						

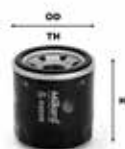
ML-9090



H = 115 mm
OD = 65 mm
ID1 = 32 mm
ID2 = 32 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHRYSLER	05086301AA	MERCEDES BENZ	SPRINTER I 311 CDI	OM 651 LA	84	2012	
MERCEDES BENZ	6111800967	MERCEDES BENZ	SPRINTER I 415 CDI	OM 651 LA	107	2012	
MERCEDES BENZ	6641800009	MERCEDES BENZ	SPRINTER I 515 CDI	OM 651 LA	107	2012	
MERCEDES BENZ	6641800109	MERCEDES BENZ	SPRINTER II 210 CDI	OM 651 LA	70	2009	2016
MERCEDES BENZ	A6641800009	MERCEDES BENZ	SPRINTER II 211 CDI	OM 651 LA	84	2016	
BALDWIN	P1443	MERCEDES BENZ	SPRINTER II 213 CDI	OM 646 LA, OM 651 LA	95	2006	2016
FRAM	CH9011	MERCEDES BENZ	SPRINTER II 214 CDI	OM 651 LA	105	2016	
MANN	H7181X	MERCEDES BENZ	SPRINTER II 216 CDI	OM 651 LA	120	2009	
SAKURA	EO2623	MERCEDES BENZ	SPRINTER II 310 CDI	OM 651 LA	70	2009	2016
		MERCEDES BENZ	SPRINTER II 311 CDI	OM 646 LA	80	2006	2009

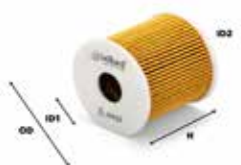
ML-92095



H = 72 mm
OD = 70 mm
TH = M18x1.5
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CHEVROLET	24103565	CHEVROLET	N200 1.2	LAQ		2008	2010
DAEWOO	P25181616	CHEVROLET	N300 1.2	LAQ		2012	2015
LYS	LF1616	CHEVROLET	SAIL 1.4	S-TEC III	102	2012	
MAHLE	OC807	CHEVROLET	SPARK 1.0 MA48	B10D1		2010	2017
MANN	W6021	CHEVROLET	SPARK 1.2 M300	B12D1		2010	2012
PUROLATOR	PER2781	DAEWOO	MATIZ III	RCC48		2010	

ML-9432



H = 76 mm
OD = 74 mm
ID1 = 23 mm
ID2 = 23 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	15208-5M300	NISSAN	ALMERA 2.0	4 CIL 2.2L YD22		2000	2003
NISSAN	15208-AD200	NISSAN	FRONTIER AX 2.5 D	YD25DDTI	98	2004	
NISSAN	15208-AD20A	NISSAN	FRONTIER D-22 2.5	YD25DDTI	98	2002	2009
FRAM	CH9432	NISSAN	SERENA 2.5 TDI	YD25DDTI	98	1999	2005
LYS	L1200	NISSAN	X-TRAIL 2.2 TD	YD22DDTI	84	2002	
MAHLE	OX192D						
MANN	HU8191X						
PUROLATOR	PP411						
SAKURA	EO1802						

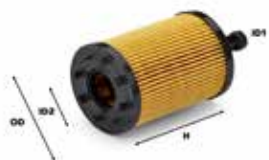
ML-9443



H = 142 mm
OD = 60 mm
ID1 = 14 mm
ID2 = 24 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CITROËN	1109.AN	CITROEN	BERLINGO 1.6	TU5JP4	78	2005	2007
CITROËN	1109.R7	CITROEN	C3 1.4 8V	TU3JP	54	2003	2007
PEUGEOT	1109R6	CITROEN	C3 1.4 8V	TU3JP	60	2007	2012
BOSCH	1457429193	CITROEN	C3 1.6 16V	TU5JP4	80	2003	2005
FRAM	CH9443	CITROEN	XSARA 1.6 16V	NFU	80	2000	2005
HENGST	E35HD102	CITROEN	XSARA 1.6 16V	TU5JP4		2001	2002
MAHLE	OX193	PEUGEOT	206 1.4 8V	TU3JP, TU3A	55	2004	2005
MANN	HU612X	PEUGEOT	206 1.6 16V	TU5JP4	80	2000	2007
PUROLATOR	L38285	PEUGEOT	307 1.6 16V	TU5JP4	80	2001	2006
SAKURA	EO2101						

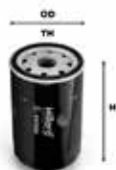
ML-9463



H = 143 mm
OD = 72 mm
ID1 = 29 mm
ID2 = 24 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	3M216744AA	VOLKSWAGEN	POLO 1.4 TDI	AMF, BAY	55	2001	2005
VW GROUP	045115389C	VOLKSWAGEN	POLO CLASSIC	4L 1.6LTS	74	2001	2002
VW GROUP	045115466A						
VW GROUP	045115466B						
BOSCH	1457429192						
FRAM	CH9463						
LUBER-FINER	P3040						
MANN	HU7197X						
PUROLATOR	L38113						
SAKURA	EO3103						

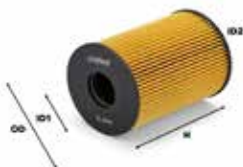
ML-94926



H = 185 mm
OD = 110 mm
TH = 1 1/8"-16
BY PASS = Y

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CATERPILLAR	9N6007	mitsubishi	ENGINE DIESEL S6B3				
RENAULT TRUCKS	50 21 107 444	mitsubishi	ENGINE DIESEL S6B3PTA				
VOLVO	847741	mitsubishi FUSO	FH100	6D31T		1988	1991
BALDWIN	B7113	mitsubishi FUSO	FM SERIES			1986	1987
DONALDSON	P551263	VOLVO PENTA	ENGINE TAMD122PA				
FRAM	PH2940	VOLVO PENTA	ENGINE TAMD122PB				
LUBER-FINER	LFP3582	VOLVO PENTA	ENGINE TAMD61A				
LYS	LF1168						
MANN	W 1168						
PUROLATOR	PER-214						

ML-9540



H = 103 mm
OD = 78 mm
ID1 = 28 mm
ID2 = 28 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
NISSAN	15209-2W200	NISSAN	FRONTIER 3.0 DI	ZD30DDT		2002	
NISSAN	AY110-NS002	NISSAN	FRONTIER 3.0 TD	ZD30DDT	110	2004	2008
RENAULT	7701057828	NISSAN	PATROL 3.0 DI	ZD30DDTI	113	2000	2009
DONALDSON	P505978	NISSAN	PICK UP D-22 FRONTIER	4L 3.0LTS TURBO DIESEL		2005	2008
FLEETGUARD	LF16249	NISSAN	PICKUPS	2.5 DI MOTOR D22 YD25 EFI		2002	2003
FRAM	CH9540	NISSAN	TERRANO 3.0	ZD30		2003	
HENGST	E69HD81	NISSAN	TERRANO 3.0 DI	ZD30DDTI		2002	2005
MANN	HU825X	NISSAN	TERRANO 3.0 TDI	ZD30DDTI	113	1999	2005
PUROLATOR	PP410	NISSAN	URVAN 3.0 D	3.0L	66	2001	2009
SAKURA	EO1804						

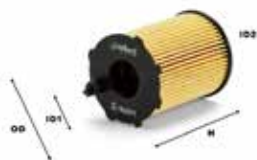
ML-95957



H = 126 mm
OD = 66 mm
ID1 = 18 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
OPEL	95599740	CHEVROLET	CAPTIVA 2.2 D 4WD			2011	
FRAM	CH11299ECO	CHEVROLET	CAPTIVA II 2.2 CDTI	A22DMH, Z22D1		2011	
HENGST	E162H D249	CHEVROLET	CAPTIVA II 2.2 CDTI	LNQ		2011	
MAHLE	OX 1012D	CHEVROLET	CRUZE 2.0 CDI	Z20D1, LNP		2011	
MANN	HU 7030 Z	CHEVROLET	ORLANDO 2.0 D			2011	
SAKURA	EO-65110						

ML-96571



H = 99 mm

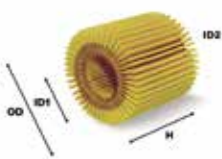
OD = 72 mm

ID1 = 26 mm

ID2 = 26 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BMW	11 42 7 805 978	CITROEN	BERLINGO 1.6	DV6FD		2015	2019
CITROËN	1109.Y2	CITROEN	C4 CACTUS 1.6	DV6FD		2014	
PEUGEOT	1109.AY	CITROEN	C4 PICASSO 1.6	DV6FC		2014	
SUZUKI	16510-73J01	CITROEN	C-ELYSEE 1.6	DV6FC		2015	
VOLVO	30735878	CITROEN	DS4 1.6	DV6FC		2014	
FRAM	CH9657	FORD	ECOSPORT 1.5	C15DDOX		2017	
MAHLE	OX1712	FORD	TOURNEO COURIER 1.5	C15DSOX		2014	
MANN	HU7162	PEUGEOT	2008 1.6	DV6FC		2014	
PUROLATOR	L29093	PEUGEOT	3008 1.6	DV6FC		2014	
SAKURA	EO1702						

ML-96796



H = 57 mm

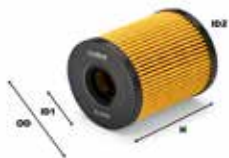
OD = 59 mm

ID1 = 28 mm

ID2 = 28 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
HINO	04152-37010	TOYOTA	COROLLA 1.6	4L 1.6LTS 16V VVT-I 1ZR-FE	92	2009	2013
TOYOTA	04152-37010	TOYOTA	COROLLA 1.8	2ZR-FAE		2012	
TOYOTA	04152-40060	TOYOTA	COROLLA 1.8	2ZR-FE		2013	
TOYOTA	04152-B1010	TOYOTA	COROLLA 1.8	4 CIL 1.8L 2ZR-FE		2006	
TOYOTA	04152-YZZA6	TOYOTA	URBAN CRUISER 1.3	74KW 99		2009	
FRAM	CH11252ECO						
LYS	L960						
MANN	HU6006Z						
PUROLATOR	L16311						
SAKURA	EO-1103						

ML-9713



H = 83 mm

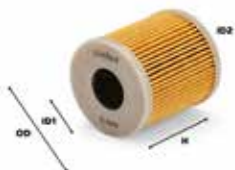
OD = 66 mm

ID1 = 25 mm

ID2 = 25 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
FORD	1565248	SUZUKI	SPLASH 1.3			2008	
FORD	9S516731CIA	SUZUKI	SWIFT III 1.3	D13A		2005	2010
OPEL	5650342						
SUZUKI	1651185C00						
SUZUKI	16511-85E00						
FRAM	CH9713						
MAHLE	OX371D						
MANN	HU7131X						
PUROLATOR	L19104						
SAKURA	EO1401						

ML-9814



H = 69 mm

OD = 66 mm

ID1 = 25 mm

ID2 = 25 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
CITROËN	1109.AJ	CITROEN	C2 1.6 16V	TU5JP4S	90	2004	2010
FORD	3M5Q6744AA	CITROEN	C3 1.4 8V	TU3JP	54	2003	2007
PEUGEOT	1109X3	CITROEN	C3 1.4 8V	TU3JP	60	2007	2012
FRAM	CH10066	CITROEN	C3 1.5 8V	TU4M	68	2012	
FRAM	CH9814	CITROEN	C3 1.6 16V	TU5JP4	80	2003	2005
MAHLE	OX3392D	PEUGEOT	208 1.6 16V	5FM	127	2016	
MANN	HU71151	PEUGEOT	3008 1.6	EP6CDT	115	2009	
PUROLATOR	L19123	PEUGEOT	3008 1.6	EP6DT, EP6CDTM	110	2009	
SAKURA	EO24070	PEUGEOT	307 1.6 16V	TU5JP4	80	2001	2006
		PEUGEOT	307 1.6 16V	TU5JP4	83	2006	



FILTROS DE VENTILACION

The crankcase ventilation system releases the unwanted gas pressure buildup in the crankcase. Those gases produced by the combustion of fuel contain dirt that contaminates the oil of the pan, especially during the engine cooling process. Millard crankcase ventilation filters remove this dirt keeping the oil clean and delaying the buildup of oil pan sludge.

El sistema de ventilación del cárter alivia la presión de gases acumulados que roban eficiencia al motor. Dichos gases producto de la combustión contienen residuos que contaminan el aceite en el fondo del cárter en especial durante el enfriamiento del motor. Los filtros de ventilación del cárter Millard eliminan esos contaminantes manteniendo el cárter limpio y retrasando la aparición de los lodos de cárter (Sludge).

MV-18973



H = 78 mm

OD = 70 mm

ID1 = 26 mm

ID2 = 26 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
BALDWIN	CV15011	MITSUBISHI	FIGHTER FK 7.5	6M60		2008	2011
DONALDSON	P903543	MITSUBISHI	FIGHTER FM 7.5	6M60		2011	
HINO	S1222-EV011	MITSUBISHI	FIGHTER FN 7.5	6M60		2011	
ISUZU	8-97606318-0						
MITSUBISHI	ME302763						
SAKURA	EFG-1002						

MV-46983



H = 52 mm

OD = 70 mm

ID1 = 26 mm

ID2 = 26 mm

CROSS REFERENCES		BRAND	MODEL	ENGINE	HP	AÑO	
DONALDSON	P903615	HOLDEN	COMMODORE 3.6	LWR	180	2012	
ISUZU	8-98002346-0	HOLDEN	COMMODORE 3.6	LY7	180	2013	
MITSUBISHI	ME224207	ISUZU	REWARD 500	FK61F		2008	2011
SAKURA	EFG-15010	ISUZU	REWARD 800	FK61FH		2008	2014

699+ (OXIME) Grey Plus Silicone

El 699+ de Larsson es un Silicon RTV formador de juntas rígidas con **Fórmula de dureza mejorada** que le permite desempeñarse de manera óptima a altas temperaturas. Su Fórmula OXIME es de bajo olor, no daña sensores y es no corrosiva.

Usos:

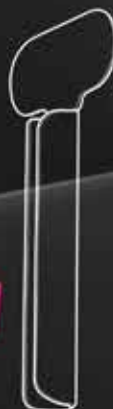
Bombas de agua

Uniones selladas:

- Tapas de motor
- Cáster de aceite
- Tapa del sistema de transmisión
- Tapa de válvulas
- Tapa del engranaje de distribución
- Colector de aceite (Oil Pan Sealing)
- Carcasas del termostato

- Paneles de epoxy y polyester
- Aluminio con o sin Anodizar
- Acabados de madera

Llave incluida
para una
aplicación
MÁS FÁCIL !



Características Técnicas

Dureza

38 Shore A

Tiempo de Curado

Superficial 15 min. se secará en profundidad en 7 días

Curado

OXIME

Aplicabilidad

Todo tipo de clima, desde -20°C hasta 50°C

Elongación

200%

Resistencia temperatura

Altas temperaturas (399°C)

Presentaciones

Blister 100mg (3 . 5 OZ)

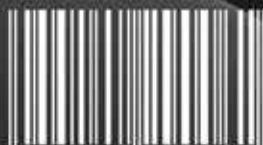
Unidad de venta

1 Blister

12 Blister * Caja



75055148290114



5 055148 290061

144 Blister * MasterCarton



25055148290119



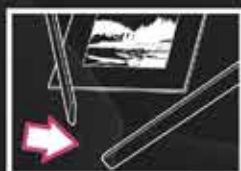
LARSSÖN®

SUPER GLUE

LARSSÖN SUPER GLUE es rápido, práctico y muy potente.
¡Fácil de aplicar en casi cualquier superficie!

Usos:

Metal
Madera
Gomas
Plásticos
Cuero
Cerámicas
Vidrio
Telas



Presentaciones

Blister 3g (0.1 OZ)

Unidad de venta

12 Blister * Caja



75055148290251

1 Blister



5 055148 290252

288 Blister * MasterCarton



95055148290255

Made in Malaysia for Larssön Chemicals,
Madrid ESPAÑA (SPAIN)



WWW.LARSSONCHEMICALS.COM

LARSSÖN®

STEEL EPOXY

LARSSÖN STEEL EPOXY es extra rápido, extra rápido, fuerte y permanente. Formula resistente al calor, el vapor, agua, solventes, ácidos y alcalinos.

• Fácil de usar, proporción de mezcla uno a uno.
Resina epoxica + Polycaptan

- Fijación en 4 minutos
- ¡Uniones más fuertes y resistentes!
- Resistente al vapor y el calor
- Resistente al agua, solventes, ácidos y alcalinos
- No se encoge

Usos:

Aplicable en:

- Aluminio
- Bronce
- Acero
- Latón
- Cobre
- Cerámicas
- Porcelana
- Plástico
- Madera
- Concreto

Presentaciones

Blister 56g (2 OZ)

Unidad de venta

12 Blister * Caja



7 5055148290336

1 Blister



5 055148290337

144 Blister * MasterCarton



9 5055148290330

Made in Malaysia for Larsson Chemicals.
Madrid ESPAÑA (SPAIN)



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LARSSÖN®

CLEAR EPOXY

LARSSÖN CLEAR EPOXY un adhesivo de fijación rápida, no se encoje y es extrafuerte. Formula resistente al calor, agua y químicos.

• Fácil de usar, proporción de mezcla uno a uno.
Resina epoxica + Polycaptan

- Fijación en 4 minutos
- ¡Uniones más fuertes y resistentes!
- Resistente a químicos y al vapor
- Resistente al agua
- No se encoje

Usos:

- Perfecto para unir metales y madera
- Ideal para trabajos de albañilería

Presentaciones

Blister 39g (1.4 OZ)

12 Blister * Caja



75055148290367

Unidad de venta

1 Blister



5055148290368

144 Blister * MasterCarton



95055148290361

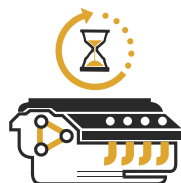
Made in Malaysia for Larsson Chemicals,
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A continuación, se describen el conjunto de Buenas Prácticas que reconocemos como acciones que valorizan las operaciones de cambio de filtros de cualquier clase en nuestro automóvil, recordando que estas deben 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.

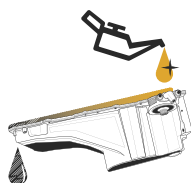


Atemperado del motor

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.

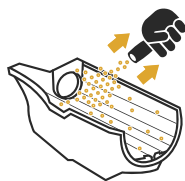


Vaciado del aceite del cárter

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.

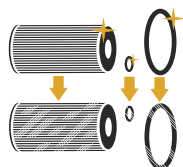


Limpieza y aspirado de bases de montaje

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.

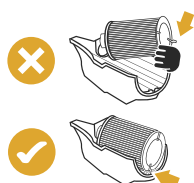


Lubricación de juntas y retenes

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	1	1									
Vaciado del aceite del cárter	2	2						1	1	1	
Limpieza y aspirado de la base de montaje			1								
Sustitución de elementos de sellado	3		2				1				
Lubricación de juntas y retenes	4	3	3					2	2	2	
Correcto posicionado del elemento filtrante	5										
Cebado de filtros		4					2				
Asegurado de correcta entrada de rosca		5					3				
Apretado Adecuado		6					4				
Correcto asegurado de conexiones				1	1	1					
Alimentación de circuitos					2						
Cerrado de carcasas o cartuchos	6		4					3	3	3	
Purgado de Aire			5	2		2	5				
Inspección de fugas	7	7	6	3	3	3	6				

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.



New Products



Nuevos Productos

Descubre aquí nuestros nuevos productos.

Filtros MC

¿Sabes los beneficios de cambiar tu filtro de cabina?



Download this catalog



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.

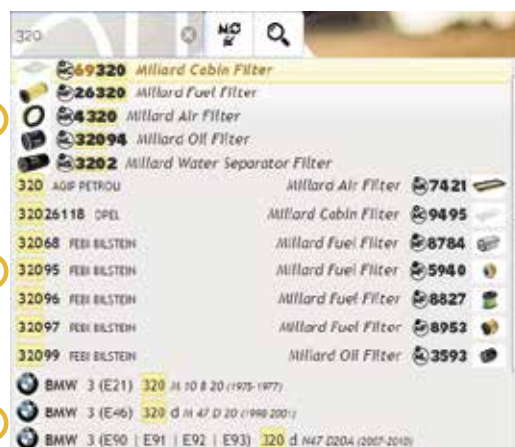
Una primera sección con las referencias Millard que concuerden con su búsqueda, una segunda sección con las referencias de competidores, y su equivalencia en Millard.

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 quieres 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.



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 ☒ Dual 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 Catalog** Applications

Manufacturer	Series	Model	Engine	Kw	HP	CV	Start	Finish
FORD	C-MAX	1.8	DURATORQ	74	99	135	2007	2008
FORD	C-MAX	1.8 TDCI	DURATORQ	65	89	90	2007	2008
FORD	C-MAX	1.8 TDCI	DURATORQ	74	99	105	2007	2008
FORD	C-MAX	1.8 TDCI	DURATORQ	80	107	100	2007	2008
FORD	C-MAX	1.8 16V 1.8 FUEL INJ.	DURATORQ	80	107	102	2007	2008
FORD	C-MAX	1.8 TDCI	DURATORQ	80	107	105	2007	2008
FORD	C-MAX	2.0 TDCI	DURATORQ	81	109	130	2007	2008
FORD	C-MAX	2.0 TDCI	DURATORQ	85	115	133	2007	2008
FORD	C-MAX	2.0 TDCI	DURATORQ	100	136	134	2007	2008
FORD	C-MAX	2.0 2.0 Bi-FUEL INJ.	DURATORQ	107	145	145	2007	2008
FORD	C-MAX II GRAND-C-MAX	1.6 ECOBOOST	16P00X	74	100	100	2008	2009
FORD	C-MAX II GRAND-C-MAX	1.6 ECOBOOST	16P00X	82	110	110	2008	2009
FORD	C-MAX II GRAND-C-MAX	1.5 ECOBOOST	15P00X	110	150	150	2008	2009
FORD	C-MAX II GRAND-C-MAX	1.5 ECOBOOST	15P00X	115	156	156	2008	2009
FORD	C-MAX II GRAND-C-MAX	1.5 TDCI	15P00X	70	94	94	2008	2009
FORD	C-MAX II GRAND-C-MAX	1.5 TDCI	15P00X	77	105	105	2008	2009

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:





CABIN



DRYERS



FUEL



AIR



OIL



VENTILATION