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www.magnetimarelli-checkstar.com



2011

Spazzole tergicristallo
Wiper blades
Wischerblätter
Balais d'essuie-glace
Escobillas limpiaparabrisas
Escovas de limpa-vidros
βούρτσες υαλοκαθαριστήρα
Piora wycieraczki szyby
Щетки-стеклоочистители
Ön cam silecekleri

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professional TRUCK

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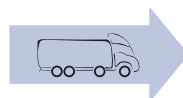
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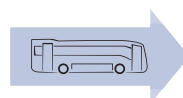
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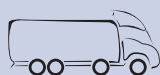
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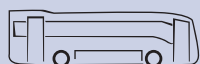


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 Make and model
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 Constructor y modelo
 Montadora e modelo
 Μάρκα και οντέλο
 Producent i model
 Сделано и смоделировано
 Üretici ve model



Anno di produzione
 Manufacturing year
 Baujahr
 Date de fabrication
 Año de fabricación
 Ano de fabricacao
 Έτος παραγωγής
 Rok produkcji
 Год изготовления
 Üretim yılı



cm

Lunghezza (cm)
 Lenght (cm)
 Länge (cm)
 Longueur (cm)
 Longitud (cm)
 Comprimento (cm)
 Μήκος (cm)
 Długość (cm)
 Длина (cm)
 Uzunluk (cm)



In.

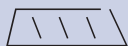
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Codici Magneti Marelli
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 Magneti Marelli Nr.
 Références Magneti Marelli
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3 pióra wycieraczek
три стеклоочистителя
3 süpürgelik



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Haken-anchluss
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Conexión tipo gancho
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(верх)
Üst cam silecek süpürgeliği



Lato guidatore
Driver side
Fahrerseite
Côté chauffeur
Lado conductor
Lado condutor
Πλευρά οδηγού
Miejsce kierowcy
Сторона водителя
Yan şoför



Lato passeggero
Passenger side
Beifahrerseite
Côté passager
Lato pasajero
Lato passageiro
Πλευρά συνοδηγού
Miejsce pasazera
Сторона пассажира
Yan yolcu



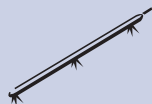
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Cab behind engine (tractor unit with long hood)
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Braço com sela
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Mocowanie typu siodła
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Eyer bağlantı



A due piani
Double Deck
Doppeldecker
Bus à deux étages
Doble piso
Em dois planos
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два этажа
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Spazzola con ugelli a fettuccia
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Balai avec rompe d'arrosage
Barra con clips y difusor de agua
Palheta com bicos em fita
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Bras avec d'arrosage
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Fiskiyeli silecek

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Genel özellikler

Le spazzole tergicristallo – The wiper blades – Die Wischerblätter – Les balais d'essuie-glace Las escobillas limpiaparabrisas – As escovas de limpa-vidros – Οι βούρτσες υαλοκαθαριστήρα Piora wycieraczki szyby – Щетки-стеклоочистители – Ön cam silcekleri

I

Le spazzole Magneti Marelli soddisfano gli standard qualitativi richiesti dal primo impianto. La produzione è sottoposta a rigorosi test e collaudi, come ad esempio l'esposizione per 800 ore alla nebbia salina, e per 500 ore agli UVA, che ne assicurano la totale affidabilità.

La gomma naturale viene trattata con processo di brominazione che ne esalta le caratteristiche di resistenza e durata. Il bromo infatti la rende più resistente ai raggi UVA ed alle escursioni termiche.

Le spazzole Magneti Marelli grazie a questi accorgimenti sono più silenziose, resistenti e durature. La gamma offerta da Magneti Marelli comprende spazzole convenzionali auto, veicoli commerciali ed industriali, refill e le spazzole flat, sempre più utilizzate sulle vetture di nuova produzione

Spazzole Tradizionali (metalloplastiche) – Professional

– Ponticelli in acciaio e resina per una maggiore robustezza e durata del prodotto

– Verniciatura con polvere poliestere che rende la spazzola più resistente alla decolorazione dovuta all'esposizione ai raggi UVA
– Connettore premontato CH31 per agevolare il montaggio sulla gran

parte delle applicazioni

– Spoiler con effetto deportante per contrastare l'effetto air lift: la spazzola rimane perfettamente aderente al parabrezza anche alle alte velocità.

– Fino a otto punti di pressione per una perfetta aderenza della spazzola al parabrezza.

Spazzole Flat (interamente in gomma) – Kit flat & Professional ONE

– Qualità e tecnologia OE

– Refill con profilo «a pagoda» per ridurre l'usura del tergente
– Matrice universale termosaldada con le vertebre e la gomma per dare solidità e robustezza all'elemento tergente

– Presenza di connettori Side lock (Bosch), Top Lock (SWF Valeo), Baionet (Champion), Dolphin (Renault) e Retrofit (braccio "U"), che rendono la spazzola universale, adatta a sostituire sia tutti i tipi di spazzole flat montate in primo impianto sulle vetture di ultima generazione, che le spazzole tradizionali.

– Gamma professional ONE: 18 codici (14 lunghezze) per una copertura di oltre il 95% del circolante Europeo.

GB

Magneti Marelli wipers satisfy the quality standards required for initial installation.

Production undergoes rigorous trials and tests, as for example exposure to 800 hours of saline fog, to 500 hours of UVA, which guarantee their total reliability. Natural rubber is treated with a process of bromination, which enhances its durability and resistance.

In fact bromide makes it more resistant to UVA radiation as well as to extremes of temperature range.

Thanks to these improvements, Magneti Marelli wipers are more silent, tough and long lasting. The range offered by Magneti Marelli includes wipers for conventional cars, commercial and industrial vehicles, re-fills and flat wipers, ever more frequently used on new production vehicles.

Traditional Wipers (metal plastic) – Professional

– Jumper wires made in steel and resin to achieve a more long lasting and stronger product

– Covering with polyester dust to make the wiper more resistant to the fading effect produced by exposure to UVA radiation.

– Pre-fitted CH31 connector which eases assembly on most applications

– Spoiler with flattening effect to counter balance the air-lift effect: the wiper stays perfectly flush against the windscreen even at high speeds.
– Up to eight pressure points to achieve perfect adherence of the wiper to the windscreen

Flat Wipers (made entirely in rubber) – Flat kit & Professional ONE

– OE quality and technology

– Refill with a "Pagoda" profile to reduce the wear of cleaner head
– Heat soldered universal matrix with both vertebra and rubber to give solidity and strength to the cleaner head

– The use of Side lock connectors (Bosch), Top lock (SWF Valeo), Bayonette (Champion), Dolphin (Renault) and retrofit ("U" arm), that make the wiper universal, and suitable to substitute all types of flat wipers mounted on initial installation on latest generation vehicles as well as traditional wipers.

– The Professional ONE range: 18 codes (14 lengths) to cover over 95% of European vehicles currently on the road.

D

Die Scheibenwischer der Fa. Magneti Marelli erfüllen die geforderten Qualitätsstandards für die Erstausrüstung. Die Produktion unterliegt rigorosen Tests und Abnahmen, wie zum Beispiel der Aussetzung für 800 Stunden in Salznebel, sowie für 500 Stunden unter UVA, wodurch absolute Zuverlässigkeit garantiert wird.

Das Naturgummi wird dem Prozess der Bromierung unterzogen, wodurch dessen Eigenschaften hinsichtlich Widerstandsfähigkeit und Lebensdauer hervorgehoben werden.

Dank des Broms wird es nämlich widerstandsfähiger und resistenter gegen UVA Strahlen, sowie gegen thermische Ausdehnungen.

Die Scheibenwischer der Fa. Magneti Marelli sind dank dieser Behandlung wesentlich leiser, widerstandsfähiger und langlebiger. Die von der Fa. Magneti Marelli angebotene Palette umfasst konventionelle Scheibenwischer für Kraftfahrzeuge, Nutzfahrzeuge und Lastkraftwagen, Ersatzscheibenwischerblätter (Refill), sowie die Scheibenwischerreihe „Flat“, welche immer mehr bei neuen Fahrzeugen eingesetzt werden.

Herkömmliche Scheibenwischer (Metallkunststoff) – Professional

– Haltestege aus Stahl und Kunststoff bieten höhere Robustheit und längere Lebensdauer des Produktes

– Beschichtung mit Polyesterpulver, wodurch die Scheibenwischer farbbeständiger gegen UVA Strahlen werden

– Der vormontierte Anschlussstecker CH31 erleichtert den Einbau beim größten

Teil der Anwendungen

– Andrucks spoiler um dem Luftwirbeleffekt entgegenzuwirken: Der Scheibenwischer bleibt auch bei hohen Geschwindigkeiten perfekt an der Windschutzscheibe anliegend.

– Bis zu acht Andruckpunkte garantieren einen perfekten Halt der Scheibenwischer an der Windschutzscheibe.

Scheibenwischer vom Typ Flat (komplett aus Gummi) – Set Flat & Professional ONE

– Qualität und Technik des OE (Originalherstellers)

– Nachfüllen „Refill“ mit «Pagodenprofil» um den Verschleiß des Wischers zu reduzieren

– Universelle Matrice heiß verschweißt zusammen mit den Rippen und dem Gummi um der Wischerlippe Festigkeit und Widerstandsfähigkeit zu geben

– Anschlussstücke vom Typ Side lock (Bosch), Top Lock (SWF Valeo), Baionet (Champion), Dolphin (Renault) und Nachrüstung/Retrofit ("U"-Arm) vorhanden, wodurch die Scheibenwischer universell einsetzbar werden, geeignet sämtliche Scheibenwischerarten,

sowohl vom Typ Flat, wie in der Erstausrüstung der Fahrzeuge der letzten Generation eingesetzt, als auch die herkömmlichen Scheibenwischer zu ersetzen.

– Reihe Professional ONE: 18 Codenummern (14 Längen) wodurch mehr als 95% des Fuhrparks in Europa abgedeckt wird.

F

Les balais d'essuie-glaces Magneti Marelli répondent aux standards de qualité prescrits par la première installation.

La production est rigoureusement soumise à divers tests et contrôles fonctionnels, comme par exemple les 800 heures d'exposition en brouillard salin et les 500 heures aux rayons UVA, en vue de leur conférer une fiabilité absolue. Le caoutchouc naturel est traité par un processus de "bromination" pour en exalter les caractéristiques de résistance et de durée, le brome ayant la propriété de le rendre plus résistant aux rayons UVA et aux amplitudes thermiques. Grâce à toutes ces mesures, les balais Magneti Marelli sont plus silencieux, résistants et durables. La gamme offerte par Magneti Marelli comprend des balais conventionnels pour autos, véhicules commerciaux et industriels, refill et balais flat, de plus en plus utilisés sur les véhicules de nouvelle production

Balais Traditionnels (métallo-plastique) – Professional

- Pontets en acier et résine pour renforcer la robustesse et augmenter la durée du produit
- Peinture avec poudre polyester pour rendre le balai plus résistant à la décoloration causée par l'exposition aux rayons UVA

– Connecteur pré monté CH31 pour faciliter le montage sur la grande majorité des applications

– Béquet avec effet de déport pour contraster l'effet air lift:

le balai reste en adhérence parfaite avec le pare-brise même à grande allure.

– Jusqu'à huit points de pression pour une adhérence totale du balai au pare-brise.

Balais Flat (entièrement en caoutchouc) – Kit flat & Professional ONE

– Qualité et technologie OE

– Refill avec profil «à pagode» pour réduire l'usure de l'essuie-glace

– Matrice universelle thermo soudée avec les vertèbres et de caoutchouc pour un balai d'essuie-glace plus solide et robuste

– Présence de connecteurs Side lock (Bosch), Top Lock (SWF Valeo), Baionet (Champion), Dolphin (Renault) et Retrofit (bras "U"), qui font de ce balai un élément universel pouvant remplacer tous les types de balais flat montés en première installation sur les voitures de la dernière génération et tous les balais du type traditionnel.

– Gamme professional ONE: 18 codes (14 longueurs) pour la couverture de plus de 95% du parc circulant en Europe.

E

Las escobillas Magneti Marelli cumplen con todos los requisitos estándar de calidad requeridos para el montaje en la fábrica.

Toda la producción se somete a pruebas rigurosas, como, por ejemplo, la exposición durante 800 horas a la niebla salina y por 500 horas a los rayos ultravioleta, lo que garantiza una fiabilidad total. La goma natural se somete a un tratamiento de brominación, que lleva al máximo la resistencia y la duración. De hecho, el bromo la hace más resistente a los rayos ultravioleta y a los cambios de temperatura. Gracias a estas soluciones, las escobillas Magneti Marelli resultan más silenciosas, resistentes y duraderas.

La gama ofrecida por Magneti Marelli comprende escobillas convencionales para coches de turismo, vehículos comerciales e industriales, "refill" y las escobillas "flat", utilizadas cada vez más en los vehículos producidos en la actualidad.

Escobillas Tradicionales (de metal y plástico) – Profesionales

- Puente de acero y resina, para mayor solidez y duración del producto.
- Pintura con polvo poliéster, que aumenta la resistencia de la escobilla al descoloramiento provocado por la exposición a los rayos ultravioleta.
- Conector premontado CH31 para facilitar el montaje en la mayoría de las

aplicaciones.

– Spoiler con efecto deportante para contrarrestar el efecto conocido como "air lift": la escobilla permanece adherente al parabrisa incluso a velocidad elevada.

– Hasta ocho puntos de presión para una adherencia perfecta de la escobilla al parabrisa.

Escobillas Flat (totalmente de goma) – Kit flat & Professional ONE–

– Calidad y tecnología OE

– "Refill" con perfil de pagoda para reducir el desgaste de la goma.

– Matriz universal termosoldada con las vertebras y la goma para darle solidez y robustez al elemento limpiador.

– Conectores Side lock (Bosch), Top Lock (SWF Valeo), Baionet (Champion), Dolphin (Renault) y Retrofit (brazo "U"), que hacen universal la escobilla, pudiendo sustituir tanto las escobillas tipo flat montadas en la fábrica en los vehículos de la última generación, como también las escobillas tradicionales.

– Gama profesional ONE: 18 códigos (14 longitudes), que abarca más del 95% del parque circulante en Europa.

P

As escovas limpadoras Magneti Marelli satisfazem os padrões qualitativos requeridos de primeira instalação.

A produção é submetida a rigorosas provas e inspeções, como por exemplo: a exposição por 800 horas à nevoeiro salino, e por 500 horas aos UVA, que asseguram a total fiabilidade. A borracha natural é tratada com um processo de brominação que sublinha as características de resistência e duração. De fato, o bromo a torna mais resistente aos raios UVA e as excursões térmicas.

As escovas limpadoras Magneti Marelli graças a estes meios são mais silenciosas, resistentes e duradouras. A gama oferecida pela Magneti Marelli compreende escovas convencionais para automóveis, veículos comerciais e industriais, refill e as escovas flat, sempre mais utilizadas nos veículos de nova produção.

Escovas Tradicionais (metal-plásticas) – Profissional

- Braços de aço e resina para uma maior robustez e duração do produto
- Pintura com pó de poliéster que torna a escova mais resistente à descoloração devida à exposição aos raios UVA
- Conetor pré-montado CH31 para facilitar a montagem na maior parte das aplicações
- Spoiler com efeito deportante para contrastar o efeito "air lift": a

escova permanece perfeitamente aderente ao pára-brisas mesmo nas altas velocidades.

– Até a oito pontos de pressão para uma perfeita aderência da escova no pára-brisas.

Escovas Flat (inteiramente de borracha) – Kit flat & Profissional ONE

– Qualidade e tecnologia OE

– Refill com perfil «a pagode» para reduzir o desgaste do limpador

– Matriz universal soldada termicamente com as vértebras e a borracha para dar solidez e robustez ao elemento limpador

– Presença de conetores Side lock (Bosch), Top Lock (SWF Valeo), Baionet (Champion), Dolphin (Renault) e Retrofit (braço "U"), que tornam a escova universal, adequada a substituir seja todos os tipos de escovas flat montadas na primeira instalação nos veículos de última geração, que as escovas tradicionais.

– Gama profissional ONE: 18 códigos (14 comprimentos) para uma cobertura de mais de 95% dos veículos em circulação na Europa.

G

Οι βούρτσες Magneti Marelli ικανοποιούν τα στάνταρντ ποιότητας που απαιτούνται από την πρώτη εγκατάσταση.

Η παραγωγή υπόκειται σε αυστηρές δοκιμές και ελέγχους, όπως για παράδειγμα την έκθεση για 800 ώρες σε αλμυρή ομίχλη, και για 500 ώρες σε UVA, που διασφαλίζουν τη μέγιστη αξιοπιστία.

Η επεξεργασία του φυσικού λάστιχου γίνεται με τη διαδικασία του βρωμίου που τονίζει τα χαρακτηριστικά αντοχής και διάρκειας. Πράγματι το βρώμιο την κάνει πιο ανθεκτική στις ακτίνες UVA και στις θερμικές ασκήσεις.

Οι βούρτσες Magneti Marelli χάρη σε αυτά τα μέτρα είναι πιο ήσυχες, ανθεκτικές και μεγαλύτερης διάρκειας. Η γκάμα που προσφέρει η Magneti Marelli περιλαμβάνει συμβατικές βούρτσες αυτοκινήτου, εμπορικά και βιομηχανικά οχήματα, ανταλλακτικά και βούρτσες φλατ, που χρησιμοποιούνται όλο και περισσότερο στα οχήματα καινούριας παραγωγής.

Βούρτσες (μεταλλοπλαστικές) – Professional

- Γέφυρες από αστάλι και ρητίνη για μεγαλύτερη δύναμη και διάρκεια του προϊόντος.
- Βάψιμο με σκόνη πολυεστέρα που κάνει τη βούρτσα πιο ανθεκτική στο ξεθώριασμα που προκύπτει από την έκθεση στις ακτίνες UVA
- Σύνδεσμος CH31 που έχει ήδη τοποθετηθεί για να διευκολύνει τη

συναρμολόγηση στο μεγαλύτερο μέρος των εφαρμογών

- Σπόιλερ με εκτόπιση για να ισορροπήσει το εφέ air lift: η βούρτσα μένει εντελώς κολλημένη στο παρμπρίζ ακόμη και με μεγάλες ταχύτητες.
- Μέχρι οκτώ σημεία πίεσης για μια τέλεια εφαρμογή της βούρτσας στο παρμπρίζ.

Βούρτσες Φλατ (εξ ολοκλήρου από λάστιχο) – Kit flat & Professional ONE

- Ποιότητα και τεχνολογία OE
- Ανταλλακτικό με προφίλ "σε σχήμα παγόδας" για μείωση της φθοράς του καθαριστικού
- Ενιαία θερμοσυγκολλημένη μήτρα με σπονδύλους και λάστιχο για μεγαλύτερη στερεότητα και δύναμη του καθαριστικού στοιχείου
- Παρουσία συνδέσμων Side lock (Bosch), Top Lock (SWF Valeo), Baionet (Champion), Dolphin (Renault) και Retrofit (βραχίονας "U"), που κάνουν την ενιαία βούρτσα κατάλληλη να αντικαταστήσει τόσο όλους τους τύπους βουρτσών φλατ που είχαν συναρμολογηθεί στην πρώτη εγκατάσταση στα οχήματα τελευταίας γενιάς όσο και τις παραδοσιακές βούρτσες.
- Γκάμα professional ONE: 18 κωδικοί (14 μήκη) για μια κάλυψη πάνω από το 95% που κυκλοφορεί στην Ευρώπη.

PL

Wycieraczki szyb Magneti Marelli zadowalają standardową jakość wymagana od pierwszego urządzenia.

Produkcja poddawana jest rygorystycznym próbom i jest testowana, jak na przykład umieszczając produkt na 800 godzin w słonej mgie i poddawając na 500 godzin na działanie promieni słonecznych UVA, co zapewnia całkowitą niezawodność. Naturalna guma jest poddana procesowi brominacji, który powiększa cechy wytrzymałości i trwałości.

Brom faktycznie sprawia, że staje się ona odporniejsza na działanie promieni słonecznych i na skoki temperatury.

Wycieraczki szyb Magneti Marelli właśnie dzięki tym procesom są bardziej ciche, wytrzymałe i długotrwałe. Gama produktów oferowana przez Magneti Marelli obejmuje wycieraczki konwencjonalne do samochodów osobowych, do pojazdów dostawczych i przemysłowych refil oraz wycieraczki flat coraz bardziej używane w pojazdach nowej produkcji.

Wycieraczki szyb tradycyjne (metalloplastyczne) – Professional

- Mostki ze stali i żywicy dla zwiększenia masywności i trwałości produktu
- Lakierowanie proszkiem poliesteru który sprawia że wycieraczka staje się bardziej wytrzymała na dekolacje spowodowane promieniami słonecznymi UVA
- Złaczka wstępnie montowana CH31 aby ułatwić montaż na większości zasto-

sowan

- Spoiler z efektem deportacji aby kontrastować efekt air lift: wycieraczka przylega świetnie do przedniej szyby również przy dużych szybkościach jazdy.
- Do osmiu punktów ciśnienia do doskonałej przylegliwości wycieraczki do przedniej szyby.

Wycieraczki Flat (całkowicie z gumy) – Kit flat & Professional ONE

- Jakość i technologia OE
- Refil z przekrojem «jak pagoda» aby zredukować zużycie części wycierającej
- Matryca uniwersalna termosprawiana ze szkłem i gumą aby nadać wytrzymałość i masywność części wycierającej
- Obecność złączek Side lock (Bosch), Top Lock (SWF Valeo), Baionet (Champion), Dolphin (Renault) e Retrofit (braccio "U"), które sprawiają że wycieraczka uniwersalna może zastąpić wszystkie rodzaje wycieraków szyb flat montowanych na pierwszym urządzeniu samochodów nowoczesnego typu, jak i wycieraczki tradycyjne.
- Gama professional ONE: 18 kodów (14 długości) na pokrycie ponad 95% pojazdów jeżdżących w Europie.

R

Стеклоочистители производства фирмы «Magneti Marelli» отвечают качественным стандартам при первой сборке.

Производство стеклоочистителей проходит жесткий контроль и испытания, как например испытание в солевой туманной ванне на протяжении 800 часов, а также испытания в камере с ультрафиолетовыми лучами (UVA) на протяжении 500 часов.

Такого рода испытания гарантируют totalную надежность продукта.

Натуральный каучук подвергается процессу бромирования, который улучшает характеристики стойкости и долговечности изделий. Бром повышает стойкость на влияние ультрафиолетовых лучей (UVA), а также термический стресс.

Благодаря техническим решениям стеклоочистители «Magneti Marelli» становятся менее шумными, более стойкими и долговечными.

Гамма производства стеклоочистителей «Magneti Marelli» включает стандартные стеклоочистители для легковых автомобилей, для коммерческого и грузового транспорта, щетки рефил и плоскую щетку, которые все шире применяются в автомобилях нового поколения.

Традиционные щетки– стеклоочистители (металлопластика) – Профессиональные

- мостик сталь–смола обеспечивает повышенную стойкость и долговечность изделия
- окраска порошковым полиэфиром придает щеткам повышенную стойкость на обесцвечивание из-за воздействия ультрафиолетовых лучей (UVA)

- предварительно установленный соединительный зажим CH31 служит для упрощения монтажа в самой широкой области применения

- спойлер предохраняет от разбрызгивания при эффекте «air lift», т.е. щетка идеально прилегает к лобовому стеклу в том числе и на большой скорости
- щетка имеет до восьми точек прилегания, тем самым обеспечивается идеальное прилегание к лобовому стеклу.

Плоские щетки–стеклоочистители «flat» (полностью резиновая) – набор «flat» плюс профессиональный «ONE»

- качество и технология OE
- рефил с профилем «орбренем» позволяет уменьшать износ контактной чистящей части
- универсальная термосварная матрица, состоящая из позвонков и резины для гарантии жесткости и стойкости контактной чистящей части
- наличие соединительных зажимов типа «Side block (Bosch), Top Lock (SWF Valeo), Baionet (Champion), Dolphin (Renault), Retrofit (рычаг U)» делают щетку–стеклоочиститель универсальной, которая может замещать все виды плоских щеток «flat», устанавливаемых при первичной сборке на автомобилях последнего поколения, а также традиционные щетки
- гамма профессиональных стеклоочистителей «ONE»: 18 кодов (14 размеров по длине), что позволяет покрыть свыше 95% циркулируемого транспорта в Европе.

Magneti Marelli silecekleri ilk kurulumun gerektirdiği nitelikli standartlara cevap verir. Üretimi, zorlu test ve denemelerle gerçekleşir, örneğin güvenilirliği tamamen garantileyen 800 saat tuz buharına ve 500 saat UV ışınlarına maruz bırakılır. Doğal lastik, dayanıklılığı ve uzun ömürlülüğü arttıran brom işlemi ile test edilir. Brom, sileceği UV ışınlarına ve termik dolaşıma karşı daha dayanıklı hale getirir. Magneti Marelli silecekler, bu teknik çözümler sayesinde daha sessiz, daha dayanıklı ve daha uzun ömürlüdür. Magneti Marelli tarafından sunulan seride endüstriyel ve ticari araçlarla ilgili oto konvansiyonel silecekler yeni üretim araçlarda da kullanılabilen değiştirilebilir silecek lastiği içerir.

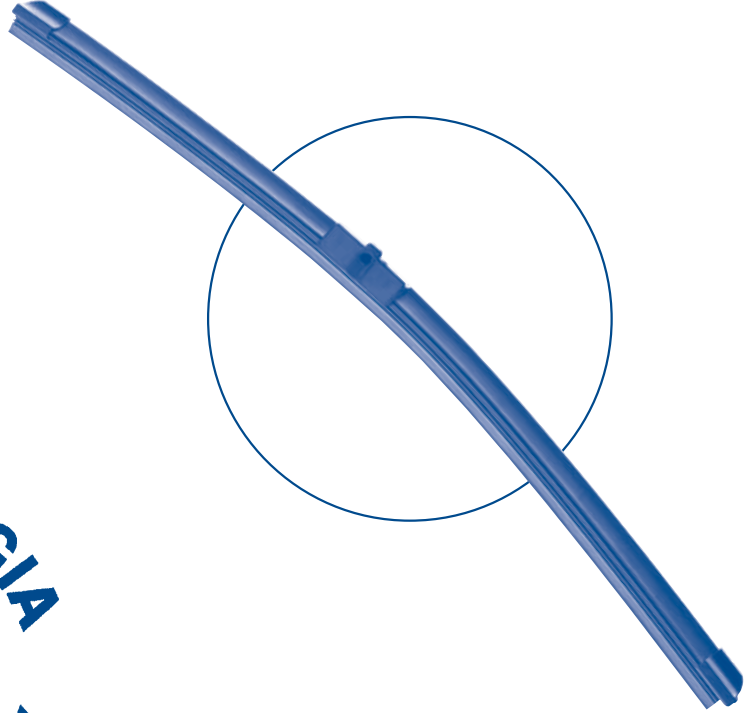
Klasik Silecekler (metalplastikten) – Profesyonel

- En yüksek ürün dayanıklılığı ve sağlamlığı için reçine ve çelikten yapılan bağlantı köprüsü
- UV ışınları nedeniyle ağarmaya karşı daha dayanıklı hale gelmesi amacıyla sileceklerin polyester toz ile cilalanması
- Uygulamaların büyük bölümünde montajı kolaylaştıran önceden monte edilen CH31 konektör

- Hava basıncı etkisine karşı sürüklemeye etkili spoiler: silecek, çok yüksek hızda bile ön cama mükemmel şekilde yapışır
- Sekizinci noktaya kadar olan basınçta sileceğin ön cama mükemmel şekilde yapışması

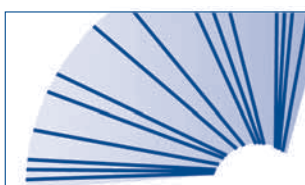
Eskiyen Lastikli Silecek (lastiğin içi) – Kit flat & Professional ONE (Eskiyen Lastik Techizati ve Profesyonel olan)

- OE kalite ve teknolojisi
- Kurulamanın kullanımını azaltmak için pagoda profil ile tekrar değiştirme
- Temizleme parçasına dayanıklılık ve sertlik veren lastik ve omurgalar ile termolehimlenen uluslararası matris
- Klasik silecekler dahil tüm silecekleri, son jenerasyon otomobillerine monte edilebilen, her çeşide uygun, uluslararası hale getiren Side lock (Bosch), Top Lock (SWF Valeo), Baionet (Champion), Dolphin (Renault) ve Retrofit (kol "U") konektörler mevcuttur.
- Gamma professional ONE (Gama Profesyonel olan): Avrupa'nın %95'inden daha fazlasını dolaşan kaplama için 18 şifre (14 karakter)



**TECNOLOGIA
OE
TECHNOLOGY**

Quando e perché si cambiano le spazzole – When and why the wiper blades are changed. – Wann sollten die Wischerblätter gewechselt werden? – Quand et pourquoi changer les balais – Cuando y porqué hay que cambiar las escobillas – Quando e porquê se mudam as escovas – Πότε και γιατί αλλάζουν οι βούρτσες – Kiedy i dlaczego wymieniac wycieraczki szyb – Когда и почему меняются щетки – Silecekler neden ve ne zaman değıştirilir



I

Scarsa tergenza

Lunghi periodi di riposo deformano il filo del tergine causando un effetto velo sul parabrezza.

Bande opache

La gomma del tergine indurisce o si deteriora con il tempo. Rimangono così sul parabrezza delle aree non deterse.

Rigature

La gomma del tergine si deteriora con il tempo o a causa del pulviscolo stradale dando origine a sottili linee semicircolari sul parabrezza.

Saltellamento

La deformazione della struttura della spazzola può causare saltellamenti del tergine, lasciando sul parabrezza linee radiali.

Sollevamento

La deformazione della struttura della spazzola può causare una imperfetta aderenza al parabrezza, soprattutto alle alte velocità.

Forti vibrazioni

Deformazione della spazzola, connettore errato, età o usura del tergine provocano rumorosi ed irregolari movimenti.

GB

Low wiping quality

Long periods without use can deform the wiper's profile causing a veil effect on the windscreen.

Opaque stripes

Time hardens and deteriorates the rubber, so eventually the wiper does not clean the whole surface of the windscreen.

Lines

Wear and tear of the rubber in the presence of dust can cause semi-circular lines on the windscreen.

Jumping

Deformity of the wiper can cause jumping of the blade, this produces radial lines on the windscreen.

Lifting

Deformity of the wiper can also cause a loss of contact between the blade and the windscreen, especially at high speed.

Vibrations

Use of the wrong connector, wear and tear, age or deformity of the wiper blade, cause noisy and irregular vibrations.

D

Schwache Wischerwirkung

Werden die Wischerblätter längere Zeit nicht benutzt, führt dies zu einer Deformation der Wischergummis und verursacht einen Schleier auf der Windschutzscheibe.

Streifenbildung

Mit der Zeit härten die Wischergummis aus und verschleifen. Teilweise werden so Bereiche auf der Windschutzscheibe nicht gesäubert.

Kratzer

Verursacht durch Straßenstaub verschleißt das Gummi, und mit der Zeit können Risse im Wischergummi entstehen. Es bilden sich feine halbkreisförmige Kratzer auf der Windschutzscheibe.

Sprünge der Scheibenwischer

Das Wischerblatt kann so deformiert sein, daß es zu Sprüngen des Wischers führen kann. Es entstehen strahlenförmige

Streifen auf der Windschutzscheibe

Das Wischerblatt haftet schlecht. Die Deformation des Wischerblattes, insbesondere bei hoher Fahrgeschwindigkeit, kann zu einer schlechten Haftung auf der Windschutzscheibe führen.

Starke Vibrationen

Falsche Steckverbindungen und Halterungen sowie allgemeiner Verschleiß der Wischerblätter verursachen Geräusche und unregelmäßige Bewegungen.

F

Essuyage insuffisant

De longues périodes d'inactivité déforment le caoutchouc causant en effet un voile sur le pare-brise.

Bandes opaques

La gomme du caoutchouc se durcit et se détériore dans le temps. Sur le pare-brise, des zones restent non essuyées.

Rayures

La gomme du caoutchouc se détériore dans le temps à cause des pollutions routières formant des lignes semi-circulaires sur le pare-brise.

Sautillage

La déformation de la structure du balai peut causer des sautilllements du caoutchouc, laissant sur le pare-brise des lignes radiales.

Soulèvement

La déformation de la structure du balai peut causer une adhérence imparfaite au pare-brise, surtout à haute vitesse.

Vibrations fortes

La déformation du balai, le connecteur incorrecte, l'âge ou l'usure du caoutchouc provoquent des mouvements rainureux et irréguliers.

E

Poca limpieza

Los largos períodos de reposo deforman el filo limpiador haciendo que se empañe el parabrisas.

Bandas opacas

La goma se deteriora y endurece con el tiempo quedando zonas del parabrisas sin limpiar.

Rayaduras

La goma de la escobilla se deteriora con el tiempo a causa de la suciedad, provocando rayadas en el parabrisas.

Salto

La deformación en la estructura de la escobilla puede causar saltos de la misma, dejando líneas radiales sobre el parabrisas.

Levantamiento

La deformación de la estructura de la escobilla puede restar adherencia al parabrisas, sobre todos en los casos de gran velocidad.

Fuertes vibraciones

Las deformaciones, un adaptador erróneo, la antigüedad de la escobilla provocan ruidos y movimientos irregulares.

P

Pouca limpeza

Longo períodos sem serem utilizadas causam um efeito de véu sobre o pára-brisas.

Tiras opacas

A borracha endurece e deteriora-se com o tempo, não limpando completamente o vidro.

Riscos

Com o tempo as borrachas ganham pó e ao serem utilizadas podem fazer riscos no vidro.

Saltar

A deformação da estrutura da escova pode levar a que a escova salte e provoque riscos no vidro.

Levantamento

A deformação da estrutura da escova também pode causar uma imperfeita aderência da escova ao pára-brisas, sobretudo em alta velocidade.

Fortes vibrações

Deformações da escova, ligações incorrectas, idade e mexer na escova constantemente pode causar barulhos irregulares e vibrações.

G

Ανεπαρκής καθαρισμός

Μεγάλες περίοδοι αναμονής παραμορφώνουν το καλώδιο καθαρισμού προκαλώντας θαμπότητα στο παρμπρίζ.

Θαμπές ταινίες

Το λάστιχο του καθαριστικού σκληραίνει ή φθείρεται με τον καιρό. Έτσι παραμένουν στο παρμπρίζ σημεία που δεν έχουν καθαριστεί.

Γρατζουνιές

Το λάστιχο του καθαριστικού φθείρεται με τον καιρό ή εξ αιτίας της λεπτής σκόνης του δρόμου που προκαλεί λεπτές ημικυκλικές γραμμές στο παρμπρίζ.

Χοροπήδημα

Η παραμόρφωση της βούρτσας μπορεί να προκαλέσει χοροπήδημα του καθαριστικού αφήνοντας στο παρμπρίζ ακτινωτές γραμμές.

Ανώψωση

Η παραμόρφωση της βούρτσας μπορεί να προκαλέσει ατελή εφαρμογή στο παρμπρίζ, κυρίως με υψηλές ταχύτητες.

Δυνατές δονήσεις

Παραμόρφωση της βούρτσας, λάθος σύνδεσμος, ηλικία ή φθορά του καθαριστικού προκαλούν θορυβώδεις και ακανόνιστες κινήσεις.

PL

Złe wycieranie

Długie okresy nieużytkowania deformują pioro wycieraczki szyby powodując powstanie powłoki na przedniej szybie.

Matowe pasma

Guma wycieraczki twarogneje i niszczy się z upływem czasu. Z tego powodu pozostawia na szybie strefy nie domyte.

Rysy

Guma piora niszczy się z czasem z powodu kurzu i pyłu w powietrzu powodując pojawienie się na szybie polokraglych zarysów.

Podskakiwanie

Zniekształcenie struktury wycieraczki może spowodować podskoki piora, pozostawiając na szybie promieniowe zarysowania.

Odchylenie

Deformacja struktury wycieraczki może spowodować niedokładne przyleganie jej do szyby, przede wszystkim przy dużych szybkościach.

Silne wibracje

Zniekształcenie wycieraczki, zła złączka, starość i zużycie piora wycieraczki powodują ruchy głośne i nieregularne.

R

Слабая чистка

Длительные периоды простоя ведут к деформации контактной очищающей части, это значит, что на лобовом стекле остается матовый налет.

Матовые полосы

Резина контактной очищающей части отвердывает или портится со временем. На лобовом стекле формируются не очищенные участки.

Полосы

Контактная очищающая часть портится со временем или из-за дорожной пыли, что ведет к образованию полукругов на лобовом стекле.

Подскоки

Деформация структуры щетки ведет к образованию подскоков контактной очищающей части, оставляя радиальный след на лобовом стекле.

Отход

Деформация структуры щетки ведет к дефектному прилеганию контактной очищающей части к лобовому стеклу, особенно это выявляется на высокой скорости.

Сильная вибрация

Деформация щетки, ошибочный соединительный зажим, длительный срок эксплуатации контактной очищающей части ведут к формированию нерегулярного и шумного хода.

T

Temizlemede azalma

Uzun süre çalışmaması ön cam üzerinde perdeleme etkisine yol açarak temizleyen bölümü deforme eder.

Mat şeritler

Sileceğin lastiği zamanla sertleşir ve çürür. Böylece ön camda temizlenemeyen alanlar kalır.

Çizgiler

Sileceğin lastiği ön cam üzerinde yarım daire şeklinde ince çizgilere neden olan yoldaki tozlar nedeniyle ve zamanla eskir.

Atlama

Sileceğin yapısındaki deformasyon ön camda dairesel çizgiler bırakarak temizlemede atlamalara yol açabilir.

Kalkma

Sileceğin yapısındaki deformasyon özellikle yüksek hızda sileceğin ön cama yapışmasına engel olabilir.

Güçlü titreşimler

Sileceğin deformasyonu, yanlış konnektör, yaş veya yanlış kullanım, çıkardığı sesi ve düzensiz hareketleri tetikler

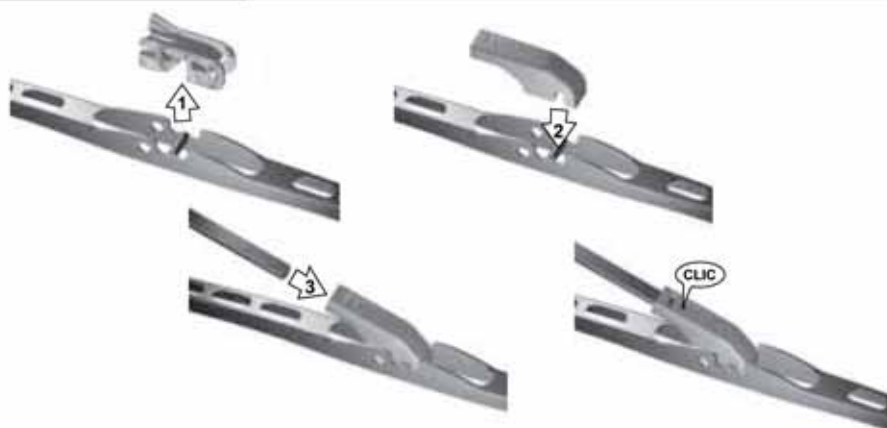
Istruzioni di montaggio
Fitting instructions
Montageanleitung
Instructions de montage
Istrucciones de montaje
Instruções de instalação
Οδηγίες συναρμολόγησης
Instrukcje do montazu
Инструкция по монтажу
Montaj açıklaması

CB5



MT4511

9.5 x 2.5 mm



CB10



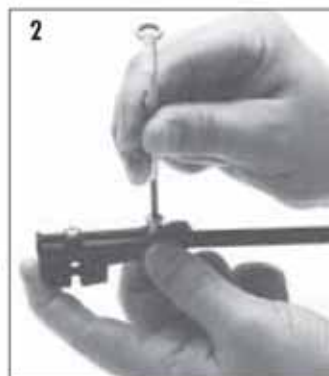
10 x 3 mm

MT4511
MT5511

1



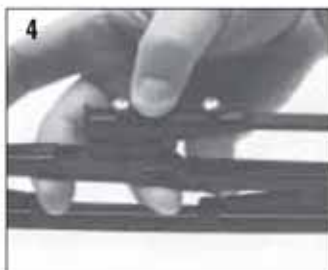
2



3



4



5



CB10



13.6 mm

MT4511
MT5511



CH34



9.0 x 3.0 mm
12.0 x 4.0 mm
9.0 x 4.0 mm

MT601H
MT651H
MT701H
MT705H



CH17



9.0 x 4.0 mm

MT5511
MT603H



(-)

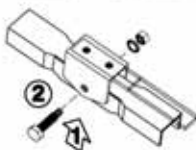
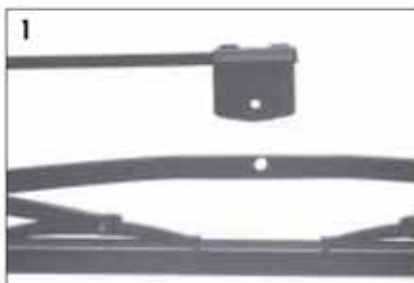
Use original
adaptor



13.6 mm



MT800S



CS8

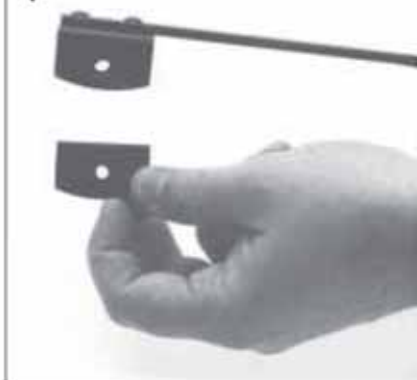


MT800S



16,5 mm

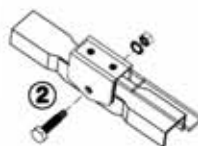
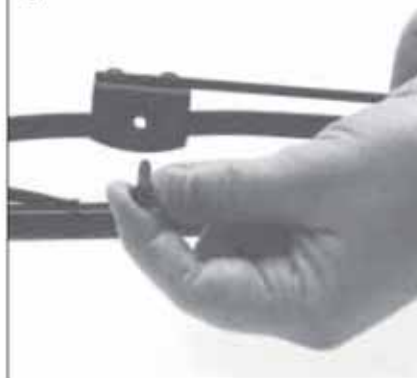
1



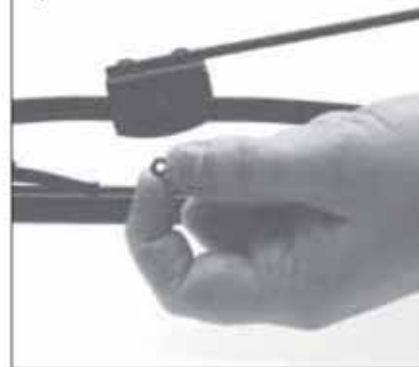
2



3



4



5



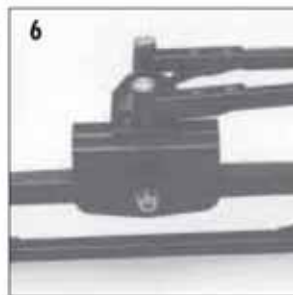
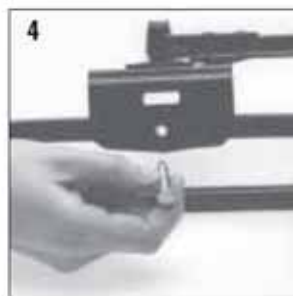
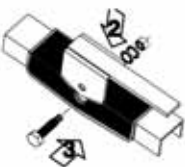
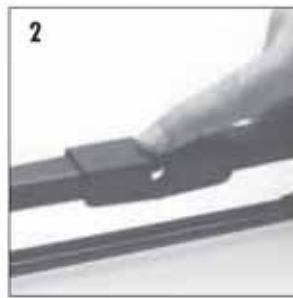
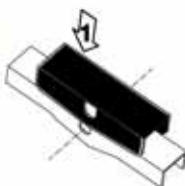
CS5/CS6



25 mm



MT800S
MT900S
MT1000S



CS7



21 mm



MT900S
MT1000S

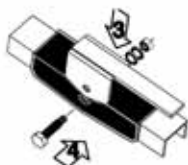
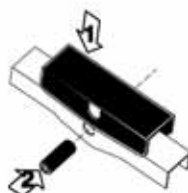
CS9



27 mm



MT900S
MT1000S



CW3



MT5511



1



2



3



CW3



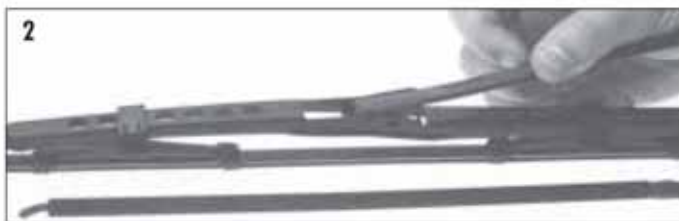
MT5511



1



2



3



CS16

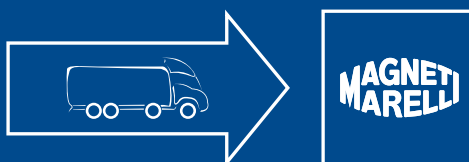


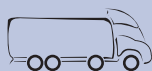
16,5 mm



MT601H
MT651H
MT701H

Applicazione per marca e veicolo
Vehicle application guide
Zuordnung nach Marke und Fahrzeug
Affectations par marques et véhicules
Aplicación por marca y vehículo
Aplicação por marca e veículo
Εφαρμογή ανά μοντέλο
Zastosowanie dla marki i pojazdu
Применение
Marka ve otomobile göre uygulama





BMC

200_13		2000→	MT5511	55	22
Megastar		2005→	MT651H	65	26
Pro 518		2004→	MT651H	65	26
Pro 622, 625		2000→	MT651H	65	26
Pro 832		2000→	MT651H	65	26
Pro 935, 938		2004→	MT651H	65	26

DAF

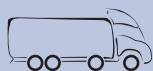
65		03/93→02/98	MT601H	60	24
75		07/92→02/98	MT601H	60	24
85		07/92→02/98	MT601H	60	24
CF 65		02/98→	MT601H	60	24
CF 75		02/98→	MT601H	60	24
CF 85		02/98→	MT601H	60	24
F1100 -> 3600		→09/91	MT601H	60	24
F1700 F/FA 1700 D/N		12/86→02/95	MT601H	60	24
F65, F75, F85		1992→12/97	MT601H	60	24
LF 45		01/01→	MT601H	60	24
		01/01→	MT603H	60	24
LF 55		01/01→	MT601H	60	24
		01/01→	MT603H	60	24

ERF

EC Series		1997→2000	MT601H	60	24
ECM Series		2002→	MT601H	60	24
ECT Series		2002→	MT701H	70	28
ECX		1996→	MT601H	60	24
ES Series		1992→2001	MT601H	60	24

FODEN

2000 Series		1997→2001	MT601H	60	24
3000 Series		1997→2001	MT601H	60	24
4000 Series		1997→2001	MT601H	60	24
A2000 4R		2002→2006	MT601H	60	24
A3000 6M, 6TT, 8RT		2002→2006	MT601H	60	24

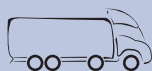


GINAF

A2121-N		1998→	MT5511	55	22
DAF Cab. 95 Series		1990→	MT601H	60	24
M3335, M3132, M3333, M4243, M4443, M5450			MT601H	60	24

IVECO

120		1983→1990	MT601H	60	24
120.13 - 330.36 P, PA Series...			MT601H	60	24
139		1982→1987	MT651H	65	26
150 -16		1983→1992	MT601H	60	24
160 160.19		1982→1986	MT601H	60	24
160.30AH - 320, - 490 (Eurofire)		1983→1993	MT601H	60	24
170 OM35		1979→	MT601H	60	24
170F		1978→1982	MT601H	60	24
175		1988→	MT601H	60	24
180.24 -> 240.38 Turbostar/Turbotech T Series		1982→	MT651H	65	26
190		1987→1998	MT651H	65	26
190.30, 190.36, 190.42		1983→1993	MT601H	60	24
190F, 190 PAC		1978→	MT601H	60	24
220F, 240F, 260F		1977→1992	MT601H	60	24
240.36, 250.30, 260.30		1983→1993	MT601H	60	24
256 M		1978→1983	MT651H	65	26
260		1989→1999	MT651H	65	26
260 PAC		1977→	MT601H	60	24
300.30, 320.30, 330.30, 333.36		1984→1993	MT601H	60	24
306, 308, 309, 314, 315GT, 343		1970→1978	MT5511	55	22
320		1984→1996	MT651H	65	26
330		1978→	MT601H	60	24
		1987→1995	MT601H	60	24
		1989→1999	MT651H	65	26
340		→1992	MT651H	65	26
470, 570, 670		1981→1985	MT601H	60	24
619, 684, 697		1977→1981	MT601H	60	24
75.9 A -> 130.16 MK..		1979→	MT601H	60	24
Euro Fire - Fire Engine 300		2000→	MT651H	65	26
EuroCargo		1992→2000	MT651H	65	26
EuroCargo 75E, 80E, 90E, 120E, 135E, 180E		2000→	MT651H	65	26



IVECO

EuroClass		1993→2002	MT651H	65	26
EuroMover		1998→	MT651H	65	26
EuroStar E45 - 430, 470		1992→2002	MT651H	65	26
Eurostar Cursor		2000→	MT651H	65	26
EuroTech E45 - 350		1992→2000	MT651H	65	26
EuroTrackker E45 - 350, 420		1993→	MT651H	65	26
M130D, 160D, 170D		1977→1983	MT601H	60	24
		1975→1980	MT601H	60	24
M170 SH 110, M200 SH 110V		1975→1980	MT701H	70	28
M170L, 200L, 230L		1975→1980	MT701H	70	28
M232D, 256D, 270D, 310D		1977→1983	MT601H	60	24
		1975→1980	MT601H	60	24
M320 DCS2601		1980→1983	MT601H	60	24
M320 M 19		1980→1983	MT651H	65	26
P/PA Series 120.13 - 330.36			MT601H	60	24
Stralis AS440S...19-44t		2002→	MT651H	65	26
Trakker		2002→	MT651H	65	26
Turbo Star		1989→2000	MT651H	65	26
Turbo Tech		1980→2001	MT651H	65	26

LEYLAND DAF

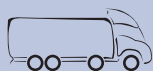
65		1992→	MT601H	60	24
75		1992→	MT601H	60	24
85		1992→	MT601H	60	24
95		06/91→	MT5511	55	22

LIAZ

18.33, 19.33, 24.33		1997→	MT5511	55	22
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M.A.N.

35		1988→1996	MT601H	60	24
48 VF		1989→1990	MT601H	60	24
E2000		1996→	MT601H	60	24
F 90 Unterflur U Series 19.....-> 26.....		10/86→1994	MT601H	60	24
F2000 T Series 19.....-> 41.....		01/94→	MT601H	60	24
F90 F Series 19.....-> 48.....		09/87→1996	MT601H	60	24
M2000 M M Series 14.....-> 25..... Large Cab		08/95→	MT601H	60	24
M90 M Series 12.....-> 24.....		08/88→1996	MT601H	60	24
TGA H series 18.....-> 41.....		04/00→	MT701H	70	28



M.A.N.

TGL N Series 6....-> 12.....7-12t		04/05→	MT701H	70	28
TGM N Series 12....-> 26..... 13-26t		10/05→	MT701H	70	28
TGS 18.....-> 41.....18-41t		2000→	MT701H	70	28
TGX 18.....-> 41.....18-41t		2000→	MT701H	70	28

MERCEDES

1729 - 4850 SK series type 641/649		1989→	MT651H	65	26
Actros 18... - 41....		1996→2003	MT701H	70	28
Actros MP2 18... - 41....		04/03→	MT701H	70	28
Atego 7.. - 26....		1998→10/2004	MT651H	65	26
Atego 2 8.... - 16....		10/2004→	MT651H	65	26
Axor 18... - 32...		2002→10/2004	MT651H	65	26
Axor 2 18... - 32...		10/2004→	MT651H	65	26
Econic 18.... - 26....		03/1998→	MT601H	60	24
Powerliner SK series 641/649 - 17.... - 48....		10/88→08/96	MT651H	65	26
Unimog U300, 400, 500 UGN Series: 405		2000→	MT800S	80	32
Unimog UX100		1996→	MT651H	65	26

MULTICAR

Multicar M26		1998→	MT651H	65	26
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NISSAN

Atleon7.5-15t		2006→	MT601H	60	24
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PEGASO

360 Series		1988→	MT601H	60	24
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RENAULT/R.V.I.

AE 500 Series Magnum		1990→	MT701H	70	28
Kerax 260 - 420		2000→	MT655H	65	26
Magnum AE385 - 560		1997→	MT701H	70	28
Magnum E-Tech 400 - 480		2000→	MT701H	70	28
Magnum DXi 12.440 - 14.500		10/04→	MT701H	70	28
Major "R" R340 - 420 '1990 ->		1991→1996	MT601H	60	24
Manager "G" G200 - 340 '01/93 ->		1991→1996	MT601H	60	24
Maxter "G" G230 - 340		1992→1997	MT601H	60	24
Messenger "B" B80-120		1990→1999	MT601H	60	24
Midliner "M" M140 - 250, ME160 - 180		1988→2000	MT601H	60	24
Midlum 180 - 250		2000→2006	MT603H	60	24
Premium II 280 - 450		2005→	MT655H	65	26



SCANIA

3 Series - 93, 113, 143		1988→12/96	MT601H	60	24
4 Series - 94, 114, 124, 144, 164		1996→	MT701H	70	28
P, R, T Series P230 - 420, R340 - 620, T470		2004→	MT705H	70	28

SEDDON ATKINSON

Strato 215 - 420		1996→	MT651H	65	26
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STEYR-DAIMLER-PUCH

18 S 46, 19 S 46		1994→	MT601H	60	24
19 S 46 Man F2000		1998→	MT601H	60	24
F Series 19 S 17 - 40 S 42		1997→	MT601H	60	24

TERBERG

FL single cockpit		1998→	MT701H	70	28
FL1350, FL1850, FL2000		1998→	MT701H	70	28

VOLVO

F16		1987→1995	MT601H	60	24
FE FES 42, 62, FEE 64		2006→	MT655H	65	26
FH12		1996→1999	MT651H	65	26
		2000→2003	MT651H	65	26
		2004→	MT701H	70	28
FH16		1996→2003	MT651H	65	26
FH16 FH42, 62, 64, 82, 84		2006→	MT651H	65	26
FL 180 - 250		2001→	MT601H	60	24
		2006→	MT603H	60	24
FL4		1986→1989	MT601H	60	24
FL6		1985→2005	MT601H	60	24
		2006→	MT603H	60	24
FL7, FL10, FL12		1985→1996	MT701H	70	28
FL7, FL10, FL12, FL16		1997→2001	MT701H	70	28
FLC		1996→	MT601H	60	24
FM7, FM9, FM10, FM12		1998→2001	MT651H	65	26
		2002→	MT651H	65	26
FS10		1987→1996	MT601H	60	24
FS7		1986→1996	MT601H	60	24
NH12		2000→	MT651H	65	26

VW

Constellation 13, 15, 17, 19, 24		2006→	MT601H	60	24
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Applicazione per marca e veicolo

Vehicle application guide

Zuordnung nach Marke und Fahrzeug

Affectations par marques et véhicules

Aplicación por marca y vehículo

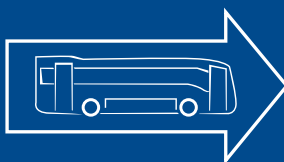
Aplicação por marca e veículo

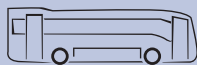
Εφαρμογή ανά μοντέλο

Zastosowanie dla marki i pojazdu

Применение

Marka ve otomobile göre uygulama





ALFA

Coach			MT701H	70	28
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ALEXANDER DENNIS

ALX 400 Double Decker		1997→2006	MT900S	90	36
ALX200 Midi Bus		1996→	MT900S	90	36
ALX300 City Bus		1997→2007	MT900S	90	36
ALX500 Double Decker		1997→2002	MT900S	90	36
Javelin			MT1000S	100	40
Pointer Plaxton		2001→2007	MT900S	90	36
President Plaxton		1999→2005	MT900S	90	36

ANADOLU

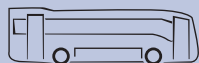
Harmony/Turquoise		2004→	MT800S	80	32
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AUTOSAN

A0808T Gemini II		2004→	MT1000S	100	40
A0909L Tramp 2		2004→	MT651H	65	26
A 1112T Ramzes		2004→	MT1000S	100	40

AUWÄRTER (E. Auwärter)

Clubstar HD MAN 11.220 HOCL		2000→	MT900S	90	36
Clubstar MAN		1998→	MT900S	90	36
Clubstar O301			MT701H	70	28
Clubstar Otego		2000→	MT1000S	100	40
Economy MB O 614D		1989→	MT601H	60	24
Economy MB O814		1998→	MT601H	60	24
Eurostar HD, HDS K112T			MT1000S	100	40
Microstar/Multimax VW T4		1998→	MT601H	60	24
Panorama			MT1000S	100	40
Stadbus	L	1998→	MT5511	55	22
	L	1998→	MT601H	60	24
Super Sprinter MB 412	L	1998→	MT5511	55	22
	L	1998→	MT601H	60	24
Team Star 613/41, L613D			MT800S	80	32
Team Star City		1996→	MT1000S	100	40
Team Star City811D, 814D		1987→1996	MT1000S	100	40
Team Star Reise		2000→	MT1000S	100	40
Travelskate			MT800S	80	32



BERKHOF (VDL)

1000 LD Exelence		1992→	MT1000S	100	40
2000 HD Exelence		1992→	MT1000S	100	40
2000 HDA,HL		1992→	MT701H	70	28
		1992→	MT1000S	100	40
Ambassador 200		2000→	MT1000S	100	40
Axial 100 ADD		2000→	MT651H	65	26
		2000→	MT1000S	100	40
Axial 70 ASD		2000→	MT651H	65	26
		2000→	MT1000S	100	40
Berkhof Bus Volvo B10B,B10M,B12		1992→	MT1000S	100	40
Bluebird Q-Bus		1992→	MT601H	60	24
Esprite Alizee/Acron			MT1000S	100	40
Exellence 3000			MT800S	80	32
Exellence 500			MT1000S	100	40
Premier Daf, Jonkheer		1998→	MT1000S	100	40
Radial		1998→	MT1000S	100	40

BMC

Belde City Bus 220SLF, 260SLF, 260 CB		2002→	MT1000S	100	40
Falcon 1100 LF		2004→	MT701H	70	28
Hawk 900 LF		2004→	MT1000S	100	40
Probus City Bus 215 SCB		2004→	MT1000S	100	40
Probus Coach 850 Club/TBX		2004→	MT1000S	100	40
School Bus 1100 FE		2004→	MT701H	70	28

CAETANO

Optimo IV		2000→	MT800S	80	32
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COBUS

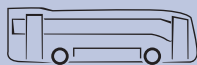
3000		2000→	MT900S	90	36
City		2000→	MT800S	80	32

DEN OUDSTEN

Aliance City, Interurban		1992→	MT1000S	100	40
B93 Aliance		1992→	MT800S	80	32
B96 Aliance		1998→	MT1000S	100	40

DENNIS

Arrow		1998→	MT800S	80	32
Dart Duple		1989→	MT800S	80	32
Dart SLF Low Floor City Bus		1995→	MT900S	90	36



DENNIS

Dart SPD Pointer		1997→	MT900S	90	36
Double Deck Falcon V		1982→	MT601H	60	24
Javellin		1987→	MT1000S	100	40
Javellin Horseman		1998→	MT900S	90	36

DRÖGMÖLLER

E290,300,310,320,330			MT1000S	100	40
E420,440			MT800S	80	32
			MT701H	70	28
E430			MT1000S	100	40
E430U			MT701H	70	28
			MT1000S	100	40
K 110 Scania			MT1000S	100	40

EVOBUS

Citaro L Articulated Bus		1999→	MT906H	90	36
Citaro O 530		1998→	MT906H	90	36
Tourismo O 350		1998→2001	MT1000S	100	40

GINAF

B3128, B2121		1998→	MT1000S	100	40
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HEULIEZ

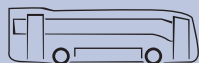
GX 217 - 417			MT800S	80	32
GX 37H, 27			MT701H	70	28
GX 44 - 77H			MT1000S	100	40
GX 107, 113			MT1000S	100	40

HINO

Millennium Bus			MT701H	70	28
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IKARUS

216, 260		1998→	MT701H	70	28
280 - 286 Articulated Bus			MT701H	70	28
315			MT1000S	100	40
386, 396.61, 398.20			MT1000S	100	40
397,07			MT1000S	100	40
397,07			MT800S	80	32
405 Midibus			MT800S	80	32
412, 415 City Bus		1995→	MT1000S	100	40
417 Articulated City Bus		1995→	MT800S	80	32
435 Articulated City Bus		1995→	MT1000S	100	40



IKARUS

480 City Bus		1992→	MT701H	70	28
489 Polaris		2000→	MT800S	80	32
E13 Midibus		1998→	MT1000S	100	40
E15		2000→	MT1000S	100	40
E91 City Bus E91		2000→	MT1000S	100	40
E94 City Bus E94		1998→	MT1000S	100	40
E99 DD			MT1000S	100	40
Hughes Daf		1998→	MT1000S	100	40
Orlandi Happy		2000→	MT900S	90	36
SB 3000		1989→	MT1000S	100	40
Scania K112			MT1000S	100	40
Stadtbus		1992→	MT701H	70	28

IRISBUS (IVECO/IKARUS)

Agora City Bus (Renault)		2002→	MT4511	45	18
Ares School Bus N, N15 line		2000→	MT1000S	100	40
Domino Coach HD, HDH (Orlandi)		2000→	MT900S	90	36
Europolis Midi Bus (Iveco)		2000→	MT900S	90	36
Evadys Coach H. HD		2004→	MT1000S	100	40
Happy Minibus		2000→	MT900S	90	36
Iliade Coach H, HD		2000→	MT1000S	100	40

IRIZAR

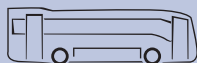
Century TOP BUS		2002→2003	MT900S	90	36
Century TOP BUS		2004→	MT1000S	100	40
Intercentury		2000→	MT1000S	100	40
PB		2002→	MT1000S	100	40
Pyrenean, Shetland			MT1000S	100	40

ISUZU

Harmony		2004→	MT900S	90	36
Turquoise		2004→	MT900S	90	36

IVECO

Cavalier		1998→	MT1000S	100	40
Citelis Trolley Bus		2006→	MT1000S	100	40
Domino		2000→	MT1000S	100	40
Domino 2001		2000→	MT1000S	100	40
EuroClass			MT1000S	100	40
Fiat 370..., - Domino		1982→	MT1000S	100	40



IVECO

Fiat 471..., 571..., 671...		1982→	MT1000S	100	40
Magirus 160 R81 315.8.17			MT1000S	100	40
Magirus M2000 12m		1981→	MT1000S	100	40
Magirus M2000 HD		1982→	MT1000S	100	40
Midi Stadtbuss Europolis		2000→	MT1000S	100	40

JONKHEERE (VDL)

Auteuil		1992→	MT800S	80	32
Bermuda			MT701H	70	28
Jubilee P90			MT701H	70	28
Monaco Double Decker	☞	1992→	MT800S	80	32
	☞	1992→	MT701H	70	28
Neuilly		1992→	MT1000S	100	40

KAROSA

900 Series		1997→	MT800S	80	32
Recreo		1997→	MT800S	80	32

KÄSSBOHRER-SETRA -> SETRA

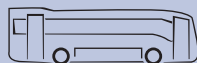
S 213 HR, S215 RL Rational			MT1000S	100	40
S 215 UL - SG 221 UL Regional			MT1000S	100	40
S 215, S216 HDS	☞		MT1000S	100	40
	☞		MT800S	80	32
S 328 DT		1998→	MT1000S	100	40
SG 215 SL, SG 219 Conceptbus			MT1000S	100	40

KUSTERS

Mid Euro XL 416		2002→	MT601H	60	24
Mid City III 416		2002→	MT601H	60	24
Parade		2002→	MT601H	60	24

M.A.N.

Ale Euro 3		2000→	MT1000S	100	40
Economy Bus			MT1000S	100	40
FE360A		2000→	MT601H	60	24
FRH353		1996→	MT1000S	100	40
Lions City DD		2004→	MT906H	90	36
Lions City M		2004→	MT906H	90	36



M.A.N.

Lions City, City LL		1998→	MT906H	90	36
Lions Coach RH 403		1998→	MT1000S	100	40
Lions Regio C, L		2004→	MT1000S	100	40
MCV Evolution		2004→	MT900S	90	36
NG 263		1996→	MT906H	90	36
NG 312		1994→1998	MT800S	80	32
NG 312, NG 313		1998→	MT906H	90	36
NH 283		2000→	MT900S	90	36
NL 202	↵	1989→	MT906H	90	36
	⌋	1989→1993	MT900S	90	36
		1998→2001	MT800S	80	32
NL 222			MT800S	80	32
NL 222 FR		1998→	MT800S	80	32
NL 223, NL 263, NL 313			MT906H	90	36
NL 232			MT800S	80	32
NL 262			MT800S	80	32
NL 312			MT800S	80	32
NM 223, 283		02/96→	MT906H	90	36
NU 263, NU313		1996→	MT906H	90	36
	⌋	2000→	MT1000S	100	40
RHG		2000→	MT1000S	100	40
RHS 464		2000→	MT1000S	100	40

MARBUS

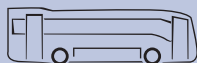
B30 90TM		2002→	MT1000S	100	40
B40 80TS		2002→	MT800S	80	32

MARCOPOLO

Viaggio Coach 330, 350		2004→	MT1000S	100	40
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MARSHALL

Capital C39 Dart SLF		1998→2003	MT900S	90	36
O 814 (Mercedes)		1998→	MT601H	60	24

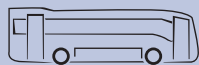


MERCEDES

Citaro (Evobus) O 530		1998→	MT906H	90	36
Citaro L (Evobus) Articulated Bus		1999→	MT906H	90	36
Medio Minibus		2004→	MT800S	80	32
Nouvelle 2		1998→	MT900S	90	36
O 814 Marshall		1996→1999	MT601H	60	24
O 817		1996→1999	MT601H	60	24
Tourino (Evobus) O 510		2004→	MT900S	90	36
Tourismo (Evobus) O 350		1998→2001	MT1000S	100	40

NEOPLAN (-> G. AUWÄRTER (NEOPLAN))

Airport Bus 9010-9040			MT1000S	100	40
Centroliner - Double Decker 4426		10/98→	MT701H	70	28
		10/98→	MT800S	80	32
Centroliner N4407		10/98→	MT900S	90	36
Centroliner N4413 CNG		01/99→	MT900S	90	36
Centroliner N4416		10/98→	MT900S	90	36
Clubliner N122		1983→01/86	MT701H	70	28
		02/86→	MT800S	80	32
Jumbocruiser N138			MT1000S	100	40
		1983→01/86	MT701H	70	28
		02/86→	MT800S	80	32
Megaspace N128/4			MT800S	80	32
			MT701H	70	28
Megatrans N4020			MT800S	80	32
Metroshuttle 4114 DE			MT800S	80	32
Midibus N4010 NF			MT800S	80	32
N424, N426/3			MT701H	70	28
Regioliner		1998→	MT1000S	100	40
Skyliner N 122/3 L		09/04→	MT701H	70	28
		09/04→	MT800S	80	32
Skyliner N122		08/83→01/86	MT701H	70	28
		09/82→	MT701H	70	28



NEOPLAN (-> G. AUWÄRTER (NEOPLAN))

		02/86→	MT800S	80	32
Starliner		2002→	MT800S	80	32
		2002→	MT900S	90	36
Tourliner N 2216 SHD		01/03→	MT1000S	100	40
Trendliner N3516		09/04→	MT1000S	100	40

NOGE

Euro Class, Euro Rider Coach			MT1000S	100	40
Touring Star Coach O404			MT1000S	100	40

OPTARE

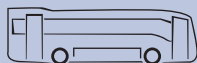
Easy Rider		1998→	MT900S	90	36
Metro Rider		1989→2000	MT1000S	100	40
Navigo 125, 160		2004→	MT900S	90	36
Skiaper		1992→	MT1000S	100	40
Spectra		1992→	MT1000S	100	40

PLAXTON

Cheetah MB Vario		2004→	MT900S	90	36
Hughes Daf		1998→	MT900S	90	36
Pointer Dennis Dart SLF		1998→	MT900S	90	36
SB3000 DAF		1998→	MT701H	70	28
Volvo		1998→	MT701H	70	28

RENAULT

Agora		1996→	MT4511	45	18
Agora		1996→	MT1000S	100	40
Ares		2000→	MT1000S	100	40
Bus R 312		1990→	MT1000S	100	40
Bus S 105		1990→	MT601H	60	24
Iliade Coach H, HD	2000→		MT1000S	100	40
Monospace P, C, F, L			MT701H	70	28
Tracer		1992→	MT1000S	100	40



SALVADOR CAETANO

Nimbus Dart SLF		1998→	MT900S	90	36
Optimo IV		2000→	MT800S	80	32

SCANIA

Century		1998→	MT900S	90	36
Century K124 TOP BUS		2000→	MT900S	90	36
E95		2004→	MT1000S	100	40
Intercentury		1998→2003	MT1000S	100	40
Irizar		1998→	MT1000S	100	40
Omnicity, Omni Decker N 94, CN 94		1996→	MT800S	80	32
Omniline IL 94		2000→	MT800S	80	32
Omnilink CL94		1998→2001	MT800S	80	32

SETRA

S 328DT		1998→	MT900S	90	36
S 431 DT Double Deck		2000→	MT701H	70	28

SMIT

Antares		1992→	MT1000S	100	40
Mercurius, Meteor		1992→	MT1000S	100	40
Orion		1992→	MT1000S	100	40

SOLARIS

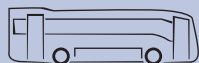
Urbino		2002→	MT800S	80	32
Vacanza		2002→2003	MT1000S	100	40
		2004→	MT1000S	100	40
		2004→	MT800S	80	32

SUNDANCER

Midikurz		2004→	MT1000S	100	40
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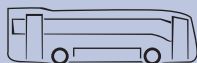
TEMSA

Diamond - 13, 14m		2004→	MT800S	80	32
Executive Safari		2002→	MT1000S	100	40
Opalin Midi Coach - 8, 9m		2004→	MT900S	90	36
Safari - 10, 12, 13, 14m		2002→	MT1000S	100	40
Safir - 12m		1999→	MT1000S	100	40



VAN HOOL

A308 Midi Bus		1998→	MT900S	90	36
A309 Low Floor City Bus		2004→	MT900S	90	36
A 300, A 320, A330, A 360 Standard Bus Low Floor City Bus		1998→	MT900S	90	36
A 600 Standard Bus Low Floor City Bus		2000→	MT900S	90	36
AG 300 Articulated Bus Low Floor City Bus		1991→	MT900S	90	36
AG 500 Articulated Bus High Floor Inter Urban		1996→	MT900S	90	36
AG 700, AG 900 Articulated Bus High Floor Inter Urban		1991→	MT900S	90	36
AGG 300 Double Articulated Bus Low Floor City Bus		1993→	MT900S	90	36
Acron		→1997	MT900S	90	36
Acron T915 - T918		1998→	MT1000S	100	40
Alicorn A 308		1992→	MT900S	90	36
Alicorn T911 - T916		2002→	MT1000S	100	40
Alizée T815H		1996→	MT1000S	100	40
Altano T816 - T818		1992→	MT900S	90	36
		2000→	MT800S	80	32
Astromega Double Deck TD 824, TD 827			MT1000S	100	40
Astromega Double Deck TD 917, TD 924, TD 927		2000→	MT800S	80	32
Astron		→2002	MT900S	90	36
Astron T917		2002→	MT1000S	100	40
Astron T916		2004→	MT1000S	100	40
EOS 80, 90		1998→	MT900S	90	36
EOS 200		1996→	MT701H	70	28
		1996→	MT800S	80	32
EOS 230		1996→	MT800S	80	32
EOS 233		→1999	MT800S	80	32
EOS Coach		1992→	MT1000S	100	40
Linea Bus - A600 Mercedes/Scania/ Volvo Chassis		1992→	MT1000S	100	40
SB 2700			MT701H	70	28



VAN HOOL

Sion			MT900S	90	36
T915		1996→	MT1000S	100	40
T915 CL		2000→	MT1000S	100	40
T917		1998→	MT1000S	100	40

VDL BUS GROEP (DAF BUS)

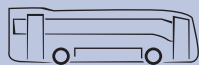
Berkhof Ambassador		2004→	MT1000S	100	40
Bova Axial Double Deck		2004→	MT800S	80	32
		2004→	MT651H	65	26
Bova Futura		2004→	MT1000S	100	40
Bova Mirage		2004→	MT1000S	100	40

VOLVO

5000 - 7500 City Bus B10, B7, B9		1998→	MT1000S	100	40
7000/7700 City Bus (Hybrid) B10L, B7L, B9L B5L		1998→	MT1000S	100	40
8700 LE City Bus, TX Intercity B7, B12		2004→	MT1000S	100	40
9700 TX Intercity/Coach B12		2002→	MT1000S	100	40
9900 Coach B12		2002→	MT601H	60	24
Alé (Autodromo)		2002→	MT1000S	100	40
B6		1991→1998	MT1000S	100	40
B9 TL Olympian		1992→2000	MT1000S	100	40
B10 - Berkhof Excelens		1998→	MT1000S	100	40
B10 BLE City Bus		1992→2004	MT800S	80	32
B10 TL Super Olympian		1998→2004	MT1000S	100	40
B10L City Bus		1994→1999	MT1000S	100	40
B10LA Articulated City Bus		1994→1999	MT1000S	100	40
B10M (Saffle)		1992→2004	MT800S	80	32
B10M City Bus		1978→2001	MT1000S	100	40
B12		2000→	MT1000S	100	40
B12 600		2000→	MT1000S	100	40

WRIGHT

Cadet Midi Bus VDL SB120		1999→2006	MT800S	80	32
Commander City Bus VDL SB200		2002→2007	MT800S	80	32

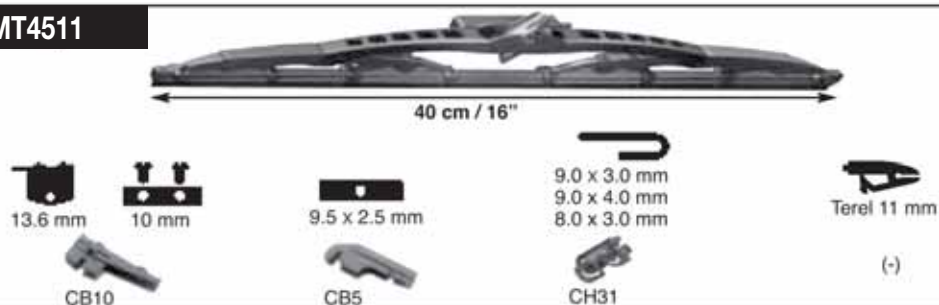


WRIGHT

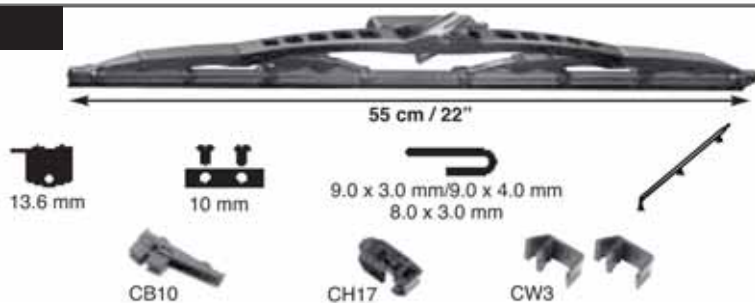
Crusader 2 Volvo B6LE		1998→	MT800S	80	32
Eclipse Commuter Intercity Bus Volvo B7RLE		1999→	MT800S	80	32
Eclipse Gemini Double Decker Volvo B7TL, B9TL		2004→	MT800S	80	32
Eclipse Metro/Urban City Bus Volvo B7L, B7RLE		1999→	MT800S	80	32
Pulsar City Bus VDL SB180, SB200		2006→	MT800S	80	32
Pulsar Gemini Double Decker VDL DB250		2004→	MT800S	80	32
Renown Volvo B10 BLE		1998→	MT800S	80	32
Solar City Bus Scania L94UA		2000→	MT800S	80	32
Solar Fusion Articulated City Bus Scania L94, K Series		2000→	MT800S	80	32
Streetcar BRT Volvo B7, B9LA		2007→	MT800S	80	32
Streetcar RTV Hess		2008→	MT800S	80	32

Disegni
Drawings
Zeichnungen
Plans
Disenos
Desenhos
Αναλήψεις
Rysunki
Рисунки
Çizimler

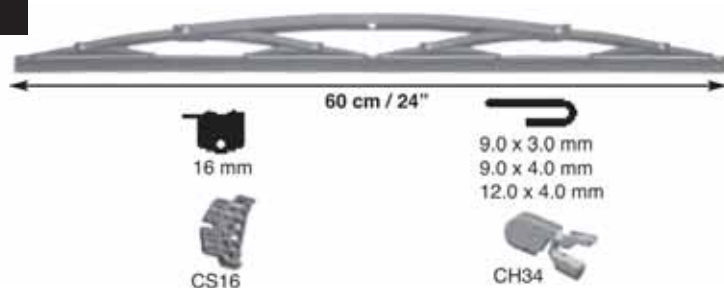
MT4511



MT5511



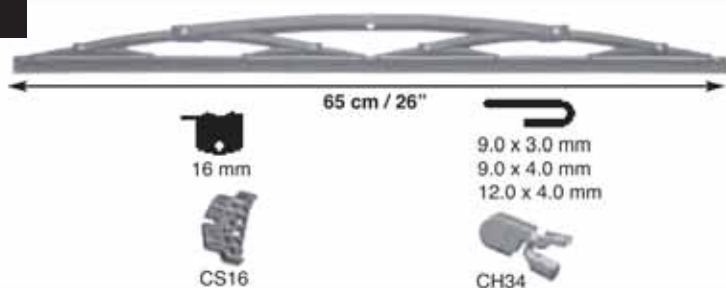
MT601H



MT603H



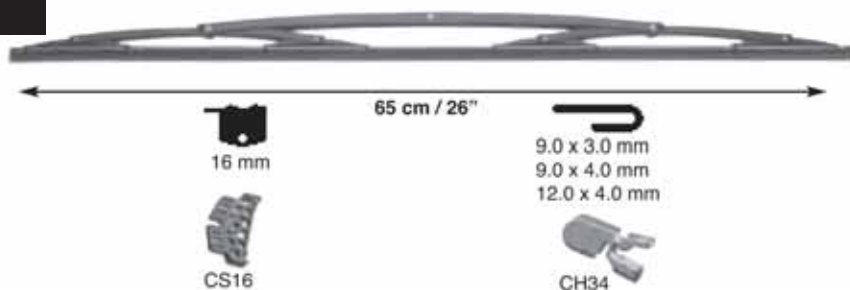
MT651H



MT655H



MT701H



MT705H



MT800S



MT906H



MT900S



MT1000S



Applicazione per codice

Buyers guide

Zuordnung nach Bestellnummer

Affectations par références

Aplicación por código

Aplicação por código

Εφαρμογες ανά κωδικό

Zastosowanie dla kodu

Применение для кода

Şifreye göre uygulama

MT4511	
IRISBUS (IVECO/IKARUS)	
Agora City Bus (Renault)	2002→
RENAULT	
Agora	1996→

MT5511	
AUWÄRTER (E. Auwarter)	
Stadbus	1998→
Super Sprinter MB 412	1998→
BMC	
200_13	2000→
GINAF	
A2121-N	1998→
IVECO	
306, 308, 309, 314, 315GT, 343	1970→1978
LEYLAND DAF	
95	06/91→
LIAZ	
18.33, 19.33, 24.33	1997→

MT601H	
AUWÄRTER (E. Auwarter)	
Economy MB O 614D	1989→
Economy MB O814	1998→
Microstar/Multimax VW T4	1998→
Stadbus	1998→
Super Sprinter MB 412	1998→
BERKHOF (VDL)	
Bluebird Q-Bus	1992→
DAF	
65	03/93→02/98
75	07/92→02/98
85	07/92→02/98
CF 65	02/98→
CF 75	02/98→
CF 85	02/98→
F1100 -> 3600	→09/91
F1700 F/FA 1700 D/N	12/86→02/95

MT601H	
DAF	
F65, F75, F85	1992→12/97
LF 45	01/01→
LF 55	01/01→
DENNIS	
Double Deck Falcon V	1982→
ERF	
EC Series	1997→2000
ECM Series	2002→
ECX	1996→
ES Series	1992→2001
FODEN	
2000 Series	1997→2001
3000 Series	1997→2001
4000 Series	1997→2001
A2000 4R	2002→2006
A3000 6M, 6TT, 8RT	2002→2006
GINAF	
DAF Cab. 95 Series	1990→
M3335, M3132, M3333, M4243, M4443, M5450	
IVECO	
120	1983→1990
120.13 - 330.36 P, PA Series...	
150 -16	1983→1992
160 160.19	1982→1986
160.30AH - 320, - 490 (Eurofire)	1983→1993
170 OM35	1979→
170F	1978→1982
175	1988→
190.30, 190.36, 190.42	1983→1993
190F, 190 PAC	1978→
220F, 240F, 260F	1977→1992
240.36, 250.30, 260.30	1983→1993
260 PAC	1977→
300.30, 320.30, 330.30, 333.36	1984→1993
330	1978→
	1987→1995
470, 570, 670	1981→1985

MT601H

IVECO

619, 684, 697 1977→1981

75.9 A -> 130.16 MK.. 1979→

M130D, 160D, 170D 1977→1983

1975→1980

M232D, 256D, 270D, 310D 1977→1983

1975→1980

M320 DCS2601 1980→1983

P/PA Series 120.13 - 330.36

KUSTERS

Mid Euro XL 416 2002→

Mid City III 416 2002→

Parade 2002→

LEYLAND DAF

65 1992→

75 1992→

85 1992→

M.A.N.

35 1988→1996

48 VF 1989→1990

E2000 1996→

F 90 Unterflur U Series 19.....-> 26..... 10/86→1994

F2000 T Series 19.....-> 41..... 01/94→

F90 F Series 19.....-> 48..... 09/87→1996

FE360A 2000→

M2000 M M Series 14.....-> 25..... Large Cab 08/95→

M90 M Series 12.....-> 24..... 08/88→1996

MARSHALL

O 814 (Mercedes) 1998→

MERCEDES

Econic 18.... - 26.... 03/1998→

O 814 Marshall 1996→1999

O 817 1996→1999

NISSAN

Atleon7.5-15t 2006→

PEGASO

360 Series 1988→

MT601H

RENAULT

Bus S 105 1990→

RENAULT/R.V.I.

Major "R" R340 - 420 '1990 -> 1991→1996

Manager "G" G200 - 340 '01/93 -> 1991→1996

Maxter "G" G230 - 340 1992→1997

Messenger "B" B80-120 1990→1999

Midliner "M" M140 - 250, ME160 - 180 1988→2000

SCANIA

3 Series - 93, 113, 143 1988→12/96

STEYR-DAIMLER-PUCH

18 S 46, 19 S 46 1994→

19 S 46 Man F2000 1998→

F Series 19 S 17 - 40 S 42 1997→

VOLVO

9900 Coach B12 2002→

F16 1987→1995

FL 180 - 250 2001→

FL4 1986→1989

FL6 1985→2005

FLC 1996→

FS10 1987→1996

FS7 1986→1996

VW

Constellation 13, 15, 17, 19, 24 2006→

MT603H

DAF

LF 45 01/01→

LF 55 01/01→

RENAULT

Midlum 180 - 250 2000→2006

VOLVO

FL 180 - 250 2006→

FL6 2006→

MT651H	
AUTOSAN	
A0909L Tramp 2	2004→
BERKHOF (VDL)	
Axial 100 ADD	2000→
Axial 70 ASD	2000→
BMC	
Megastar	2005→
Pro 518	2004→
Pro 622, 625	2000→
Pro 832	2000→
Pro 935, 938	2004→
IVECO	
139	1982→1987
180.24 -> 240.38 Turbostar/Turbotech T Series	1982→
190	1987→1998
256 M	1978→1983
260	1989→1999
320	1984→1996
330	1989→1999
340	→1992
Euro Fire - Fire Engine 300	2000→
EuroCargo	1992→2000
EuroCargo 75E, 80E, 90E, 120E, 135E, 180E	2000→
EuroClass	1993→2002
EuroMover	1998→
EuroStar E45 - 430, 470	1992→2002
Eurostar Cursor	2000→
EuroTech E45 - 350	1992→2000
EuroTrackker E45 - 350, 420	1993→
M320 M 19	1980→1983
Stralis AS440S...19-44t	2002→
Trakker	2002→
Turbo Star	1989→2000
Turbo Tech	1980→2001

MT651H	
MERCEDES	
1729 - 4850 SK series type 641/649	1989→
Atego 7.. - 26....	1998→10/2004
Atego 2 8.... - 16.....	10/2004→
Axor 18... - 32...	2002→10/2004
Axor 2 18... - 32...	10/2004→
Powerliner SK series 641/649 - 17.... - 48....	10/88→08/96
Unimog UX100	1996→
MULTICAR	
Multicar M26	1998→
SEDDON ATKINSON	
Strato 215 - 420	1996→
VDL BUS GROEP (DAF BUS)	
Bova Axial Double Deck	2004→
VOLVO	
FH12	1996→1999
	2000→2003
FH16	1996→2003
FH16 FH42, 62, 64, 82, 84	2006→
FM7, FM9, FM10, FM12	1998→2001
	2002→
NH12	2000→

MT655H	
RENAULT/R.V.I.	
Kerax 260 - 420	2000→
Premium II 280 - 450	2005→
VOLVO	
FE FES 42, 62, FEE 64	2006→

MT701H	
ALFA	
Coach	
AUWÄRTER (E. Auwarter)	
Clubstar O301	
BERKHOF (VDL)	
2000 HDA,HL	1992→

MT701H	
BMC	
Falcon 1100 LF	2004→
School Bus 1100 FE	2004→
DRÖGMÖLLER	
E420,440	
E430U	
ERF	
ECT Series	2002→
HEULIEZ	
GX 37H, 27	
HINO	
Millennium Bus	
IKARUS	
216, 260	1998→
280 - 286 Articulated Bus	
480 City Bus	1992→
Stadtbus	1992→
IVECO	
M170 SH 110, M200 SH 110V	1975→1980
M170L, 200L, 230L	1975→1980
JONKHEERE (VDL)	
Bermuda	
Jubilee P90	
Monaco Double Decker	1992→
M.A.N.	
TGA H series 18.....-> 41.....	04/00→
TGL N Series 6.....-> 12.....7-12t	04/05→
TGM N Series 12.....-> 26..... 13-26t	10/05→
TGS 18.....-> 41.....18-41t	2000→
TGX 18.....-> 41.....18-41t	2000→
MERCEDES	
Actros 18...- 41....	1996→2003
Actros MP2 18...- 41....	04/03→
NEOPLAN (-> G. AUWÄRTER (NEOPLAN))	
Centroliner - Double Decker 4426	10/98→
Clubliner N122	1983→01/86

MT701H	
NEOPLAN (-> G. AUWÄRTER (NEOPLAN))	
Jumbocruiser N138	1983→01/86
Megaspace N128/4	
N424, N426/3	
Skyliner N 122/3 L	09/04→
Skyliner N122	08/83→01/86
	09/82→
PLAXTON	
SB3000 DAF	1998→
Volvo	1998→
RENAULT	
Monospace P, C, F, L	
RENAULT/R.V.I.	
AE 500 Series Magnum	1990→
Magnum AE385 - 560	1997→
Magnum E-Tech 400 - 480	2000→
Magnum DXi 12.440 - 14.500	10/04→
SCANIA	
4 Series - 94, 114, 124, 144, 164	1996→
SETRA	
S 431 DT Double Deck	2000→
TERBERG	
FL single cockpit	1998→
FL1350, FL1850, FL2000	1998→
VAN HOOL	
EOS 200	1996→
SB 2700	
VOLVO	
FH12	2004→
FL7, FL10, FL12	1985→1996
FL7, FL10, FL12, FL16	1997→2001
MT705H	
SCANIA	
P, R, T Series P230 - 420, R340 - 620, T470	2004→

MT800S		
ANADOLU		
Harmony/Turquoise		2004→
AUWÄRTER (E. Auwarter)		
Team Star 613/41, L613D		
Travelskate		
BERKHOF (VDL)		
Excellence 3000		
CAETANO		
Optimo IV		2000→
COBUS		
City		2000→
DEN OUDSTEN		
B93 Aliance		1992→
DENNIS		
Arrow		1998→
Dart Duple		1989→
DRÖGMÖLLER		
E420,440		
HEULIEZ		
GX 217 - 417		
IKARUS		
397,07		
405 Midibus		
417 Articulated City Bus		1995→
489 Polaris		2000→
JONKHEERE (VDL)		
Auteuil		1992→
Monaco Double Decker		1992→
KAROSA		
900 Series		1997→
Recreo		1997→
KÄSSBOHRER-SETRA -> SETRA		
S 215, S216 HDS		
M.A.N.		
NG 312		1994→1998

MT800S		
M.A.N.		
NL 202		1998→2001
NL 222		
NL 222 FR		1998→
NL 232		
NL 262		
NL 312		
MARBUS		
B40 80TS		2002→
MERCEDES		
Medio Minibus		2004→
Unimog U300, 400, 500 UGN Series: 405		2000→
NEOPLAN (-> G. AUWÄRTER (NEOPLAN))		
Centroliner - Double Decker 4426		10/98→
Clubliner N122		02/86→
Jumbocruiser N138		02/86→
Megaspace N128/4		
Megatrans N4020		
Metroshuttle 4114 DE		
Midibus N4010 NF		
Skyliner N 122/3 L		09/04→
Skyliner N122		02/86→
Starliner		2002→
SALVADOR CAETANO		
Optimo IV		2000→
SCANIA		
Omnicity, Omni Decker N 94, CN 94		1996→
Omniline IL 94		2000→
Omnilink CL94		1998→2001
SOLARIS		
Urbino		2002→
Vacanza		2004→
TEMSA		
Diamond - 13, 14m		2004→

MT800S

VAN HOOL

Altano T816 - T818	2000→
Astromega Double Deck TD 917, TD 924, TD 927	2000→
EOS 200	1996→
EOS 230	1996→
EOS 233	→1999

VDL BUS GROEP (DAF BUS)

Bova Axial Double Deck	2004→
B10 BLE City Bus	1992→2004
B10M (Saffie)	1992→2004

WRIGHT

Cadet Midi Bus VDL SB120	1999→2006
Commander City Bus VDL SB200	2002→2007
Crusader 2 Volvo B6LE	1998→
Eclipse Commuter Intercity Bus Volvo B7RLE	1999→
Eclipse Gemini Double Decker Volvo B7TL, B9TL	2004→
Eclipse Metro/Urban City Bus Volvo B7L, B7RLE	1999→
Pulsar City Bus VDL SB180, SB200	2006→
Pulsar Gemini Double Decker VDL DB250	2004→
Renown Volvo B10 BLE	1998→
Solar City Bus Scania L94UA	2000→
Solar Fusion Articulated City Bus Scania L94, K Series	2000→
Streetcar BRT Volvo B7, B9LA	2007→
Streetcar RTV Hess	2008→

MT900S

ALEXANDER DENNIS

ALX 400 Double Decker	1997→2006
ALX200 Midi Bus	1996→
ALX300 City Bus	1997→2007
ALX500 Double Decker	1997→2002

MT900S

ALEXANDER DENNIS

Pointer Plaxton	2001→2007
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MT900S

ALEXANDER DENNIS

President Plaxton	1999→2005
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AUWÄRTER (E. Auwarter)

Clubstar HD MAN 11.220 HOCL	2000→
Clubstar MAN	1998→

COBUS

3000	2000→
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DENNIS

Dart SLF Low Floor City Bus	1995→
Dart SPD Pointer	1997→
Javellin Horseman	1998→

IKARUS

Orlandi Happy	2000→
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IRISBUS (IVECO/IKARUS)

Domino Coach HD, HDH (Orlandi)	2000→
Europolis Midi Bus (Iveco)	2000→
Happy Minibus	2000→

IRIZAR

Century TOP BUS	2002→2003
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ISUZU

Harmony	2004→
Turquoise	2004→

M.A.N.

MCV Evolution	2004→
NH 283	2000→
NL 202	1989→1993

MARSHALL

Capital C39 Dart SLF	1998→2003
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MERCEDES

Nouvelle 2	1998→
Tourino (Evobus) O 510	2004→

NEOPLAN (-> G. AUWÄRTER (NEOPLAN))

Centroliner N4407	10/98→
Centroliner N4413 CNG	01/99→
Centroliner N4416	10/98→

MT900S	
NEOPLAN (-> G. AUWÄRTER (NEOPLAN))	
Starliner	2002→
OPTARE	
Easy Rider	1998→
Navigo 125, 160	2004→
PLAXTON	
Cheetah MB Vario	2004→
Hughes Daf	1998→
Pointer Dennis Dart SLF	1998→
SALVADOR CAETANO	
Nimbus Dart SLF	1998→
SCANIA	
Century	1998→
Century K124 TOP BUS	2000→
S 328DT	1998→
TEMSA	
Opalin Midi Coach - 8, 9m	2004→
VAN HOOL	
A308 Midi Bus	1998→
A309 Low Floor City Bus	2004→
A 300, A 320, A330, A 360 Standard Bus Low Floor City Bus	1998→
A 600 Standard Bus Low Floor City Bus	2000→
AG 300 Articulated Bus Low Floor City Bus	1991→
AG 500 Articulated Bus High Floor Inter Urban	1996→
AG 700, AG 900 Articulated Bus High Floor Inter Urban	1991→
AGG 300 Double Articulated Bus Low Floor City Bus	1993→
Acron	→1997
Alicorn A 308	1992→
Altano T816 - T818	1992→
Astron	→2002
EOS 80, 90	1998→
Sion	

MT906H	
EVOBUS	
Citaro L Articulated Bus	1999→
Citaro O 530	1998→
M.A.N.	
Lions City DD	2004→
Lions City M	2004→
Lions City, City LL	1998→
NG 263	1996→
NG 312, NG 313	1998→
NL 202	1989→
NL 223, NL 263, NL 313	
NM 223, 283	02/96→
NU 263, NU313	1996→
MERCEDES	
Citaro (Evobus) O 530	1998→
Citaro L (Evobus) Articulated Bus	1999→

MT1000S	
ALEXANDER DENNIS	
Javelin	
AUTOSAN	
A0808T Gemini II	2004→
A 1112T Ramzes	2004→
AUWÄRTER (E. Auwärter)	
Clubstar Otego	2000→
Eurostar HD, HDS K112T	
Panorama	
Team Star City	1996→
Team Star City811D, 814D	1987→1996
Team Star Reise	2000→
BERKHOF (VDL)	
1000 LD Exelence	1992→
2000 HD Exelence	1992→
2000 HDA,HL	1992→
Ambassador 200	2000→
Axial 100 ADD	2000→

MT1000S

BERKHOF (VDL)

Axial 70 ASD	2000→
Berkhof Bus Volvo B10B,B10M,B12	1992→
Esprite Alizee/Acron	
Excellence 500	
Premier Daf, Jonkheer	1998→
Radial	1998→

BMC

Belde City Bus 220SLF, 260SLF, 260 CB	2002→
Hawk 900 LF	2004→
Probus City Bus 215 SCB	2004→
Probus Coach 850 Club/TBX	2004→

DEN OUDSTEN

Aliance City, Interurban	1992→
B96 Aliance	1998→

DENNIS

Javellin	1987→
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DRÖGMÖLLER

E290,300,310,320,330	
E430	
E430U	
K 110 Scania	

EVOBUS

Tourismo O 350	1998→2001
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GINAF

B3128, B2121	1998→
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HEULIEZ

GX 44 - 77H	
GX 107, 113	

IKARUS

315	
386, 396.61, 398.20	
397,07	
412, 415 City Bus	1995→
435 Articulated City Bus	1995→
E13 Midibus	1998→
E15	2000→
E91 City Bus E91	2000→

MT1000S

IKARUS

E94 City Bus E94	1998→
E99 DD	
Hughes Daf	1998→
SB 3000	1989→
Scania K112	

IRISBUS (IVECO/IKARUS)

Ares School Bus N, N15 line	2000→
Evadys Coach H. HD	2004→
Iliade Coach H, HD	2000→

IRIZAR

Century TOP BUS	2004→
Intercentury	2000→
PB	2002→
Pyrenean, Shetland	

IVECO

Cavalier	1998→
Citelis Trolley Bus	2006→
Domino	2000→
Domino 2001	2000→
EuroClass	
Fiat 370..., - Domino	1982→
Fiat 471..., 571..., 671...	1982→
Magirus 160 R81 315.8.17	
Magirus M2000 12m	1981→
Magirus M2000 HD	1982→
Midi Stadtbuss Europolis	2000→

JONKHEERE (VDL)

Neuilly	1992→
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KÄSSBOHRER-SETRA -> SETRA

S 213 HR, S215 RL Rational	
S 215 UL - SG 221 UL Regional	
S 215, S216 HDS	
S 328 DT	1998→
SG 215 SL, SG 219 Conceptbus	

M.A.N.

Ale Euro 3	2000→
Economy Bus	
FRH353	1996→

MT1000S	
M.A.N.	
Lions Coach RH 403	1998→
Lions Regio C, L	2004→
RH 463	2000→
RHG	2000→
RHS 464	2000→
MARBUS	
B30 90TM	2002→
MARCOPOLO	
Viaggio Coach 330, 350	2004→
MERCEDES	
Tourismo (Evobus) O 350	1998→2001
NEOPLAN (-> G. AUWÄRTER (NEOPLAN))	
Airport Bus 9010-9040	
Jumbocruiser N138	
Regioline	1998→
Tourliner N 2216 SHD	01/03→
Trendliner N3516	09/04→
NOGE	
Euro Class, Euro Rider Coach	
Touring Star Coach O404	
OPTARE	
Metro Rider	1989→2000
Skiaper	1992→
Spectra	1992→
RENAULT	
Agora	1996→
Ares	2000→
Bus R 312	1990→
Iliade Coach H, HD	2000→
Tracer	1992→
SCANIA	
E95	2004→
Intercentury	1998→2003
Irizar	1998→
SMIT	
Antares	1992→
Mercurius, Meteor	1992→

MT1000S	
SMIT	
Orion	1992→
SOLARIS	
Vacanza	2002→2003
	2004→
SUNDANCER	
Midikurz	2004→
TEMISA	
Executive Safari	2002→
Safari - 10, 12, 13, 14m	2002→
Safir - 12m	1999→
VAN HOOL	
Acron T915 - T918	1998→
Alicorn T911 - T916	2002→
Alizée T815H	1996→
Astromega Double Deck TD 824, TD 827	
Astron T917	2002→
Astron T916	2004→
EOS Coach	1992→
Linea Bus - A600 Mercedes/Scania/ Volvo Chassis	1992→
T915	1996→
T915 CL	2000→
T917	1998→
VDL BUS GROEP (DAF BUS)	
Berkhof Ambassador	2004→
Bova Futura	2004→
Bova Mirage	2004→
VOLVO	
5000 - 7500 City Bus B10, B7, B9	1998→
7000/7700 City Bus (Hybrid) B10L, B7L, B9L B5L	1998→
8700 LE City Bus, TX Intercity B7, B12	2004→
9700 TX Intercity/Coach B12	2002→
Alé (Autodromo)	2002→
B6	1991→1998
B9 TL Olympian	1992→2000

MT1000S

VOLVO

B10 - Berkhof Excelens	1998→
B10 TL Super Olympian	1998→2004
B10L City Bus	1994→1999
B10LA Articulated City Bus	1994→1999

MT1000S

VOLVO

B10M City Bus	1978→2001
B12	2000→
B12 600	2000→

