

# OPTIMA PRO >>



ESCOBILLAS LIMPIAPARABRISAS  
WIPER BLADES  
BALAIS ESSUIE-GLACE  
WISCHBLÄTTER



**ESCOBILLAS LIMPIAPARABRISAS PARA VEHÍCULOS INDUSTRIALES  
WIPER BLADES FOR COMMERCIAL VEHICLES  
ESSUIE-GLACES POUR POIDS LOURDS  
WISCHBLÄTTER FÜR NUTZFAHRZEUGE**

**EXPOSITOR - DISPLAY - PRESENTOIR - VERPACKUNG**



APTO PARA COLGAR EN LA PARED  
OPTION TO HUNG ON THE WALL  
APTE POUR METRE SUR LE MUR  
UM AN DIE WAND ZU HÄNGEN

**EXPOSITOR VACÍO  
EMPTY DISPLAY  
PRESENTOIR VIDE  
LEERES VERKAUFSDISPLAY**

**ref. 101.5034.73.00**



**NUESTRAS ESCOBILLAS MANTIENEN UNA ÓPTIMA CALIDAD DE VISIÓN DURANTE MÁS TIEMPO.**

**CAUCHO 100% NATURAL**  
Caucho de formulación exclusiva de mayor duración y suavidad de deslizamiento.

**PERFIL DE GOMA HEAVY-DUTY**  
Diseñado especialmente para un óptimo rendimiento en las condiciones más duras de trabajo.

**AMPLIA COBERTURA DE PARQUE**  
Incluye adaptadores para cubrir el 98% del parque de vehículos industriales y ligeros.

**OUR WIPER BLADES PROVIDE OPTIMAL DRIVER VISION QUALITY FOR LONGER PERIODS OF TIME.**

**100% NATURAL RUBBER**  
Exclusively formulated rubber, long-lasting and smoother wiping.

**HEAVY-DUTY RUBBER PROFILE**  
Designed specially for ideal performance in hard working.

**VEHICLE PARC COVERAGE**  
Includes adapters to cover the 98% of industrial and light vehicles.

**NOS BALAIS CONSERVENT UNE QUALITÉ DE VISION OPTIMALE PLUS LONGTEMPS.**

**GOMME 100% NATURELLE**  
Gomme de formulation exclusive d'une duree de vie supérieure permettant un très bon slide.

**PROFIL DE GOMME HEAVY-DUTY**  
Design special pour un rendement optimum dans des conditions de travail très sévères.

**LARGE COUVERTURE DU PARC**  
Inclus adaptateurs pour couvrir 98% du parc de véhicules industriels et légers.

**DIE WISCHERBLÄTTER GEWÄHRLEISTEN EINE OPTIMALE SICHTQUALITÄT ÜBER EINEN LÄNGEREN ZEITRAUM.**

**100 NATURKAUTSCHUK**  
Naturkautschuk mit neuartiger Zusammensetzung für längere Haltbarkeit und sanfteres gleiten.

**HEAVY-DUTY GUMMIPROFIL**  
Speziell entwickelt für optimale Leistung bei extremen Arbeitsbedingungen.

**FAHRZEUGTYPEN-ABDECKUNG**  
Enthält Adaptatoren für die Verwendung an 98% der NKW.



# OPTIMA PRO

EMBALAJE - PACKAGING - EMBALLAGE - KARTONVERPACKUNG



## EMBALAJE PRÁCTICO Y SEGURO

- Embalaje reciclable de cartón.
- Cajas fácilmente apilables
- Descripción clara del contenido.
- Referencia de fácil identificación incluso en lineal.
- Aplicaciones en parte frontal.
- Claras instrucciones de montaje.
- Simbolario en parte posterior.
- Código de barras.

## SAVE AND PRACTICAL PACKAGING

- Recyclable cardboard packaging.
- Pilables boxes.
- Clear content description.
- Easy reference identification in the rack.
- Detailed application on the front.
- Easy mounting instructions.
- Symbols on the back.
- Bar code.

## EMBALLAGE PRATIQUE ET SURE

- Matériaux d'emballage recyclables.
- Boîtes empilables.
- Description du contenu simple.
- Identification facile de la référence comprise en rayon.
- Applications sur face avant.
- Instructions de montage claires.
- Légende sur face arrière.
- Codes barres.

## PRAKTISCHE UND SICHERE VERPACKUNG

- Wiederverwertbare Kartontage.
- Leicht zu stapelnde Kartons.
- Klare Beschreibung des Inhalts.
- Auch im Händlerregal sichtbare Identifikation.
- Anwendungsliste auf der Frontseite.
- Eindeutige Montageanleitungen.
- Zeichenindex auf der Rückseite.
- Barcode.

# DOGA

**RECUERDE  
REMEMBER  
RAPPELLEZ  
DENK EN SIE  
DARAN**



**CAMBIE SUS ESCOBILLAS  
CHANGE YOUR WIPER BLADES  
CHANGEZ VOS BALAIS  
WECHSELN SIE DIE  
WISCHERBLÄTTER**

**1** /year ▶



**SI DEJAN RAYAS  
WHEN SCORING  
S'ILS LAISSENT DES TRACES  
WENN SIE SCHLIEREN**

**SI NO SECAN  
WHEN UNWIPED AREAS APPEAR  
S'ILS N'ESSUIENT PLUS  
WENN SIE NICHT WISCHEN**

**SI HACEN RUIDO  
WHEN NOISY  
SI BRUYANTS  
WENN SIE GERÄUSCHE MACHEN**

**SI SALTAN  
WHEN SMEARING  
S'ILS DERAPENT  
WENN SIE RUBBELN**



Simbolario  
Symbols  
Symboles  
Zeichenerklärungen



VEHÍCULO  
VEHICLE  
VÉHICULE  
NUTZFAHRZEUGE



FECHAS FABRICACIÓN VEHÍCULO  
VEHICLE MANUFACTURE DATE  
DATE DE FABRICATION DU VEHICULE  
MODELLJAHR



ADAPTADOR  
ADAPTER  
ADAPTATEUR  
ADAPTER



LADO CONDUCTOR  
DRIVER'S SIDE  
CÔTE CONDUCTEUR  
FAHRERSEITE



LADO ACOMPAÑANTE  
PASSENGER'S SIDE  
CÔTE PASSAGER  
BEIFAHRESEITE



LIMPIA-CRISTAL POSTERIOR  
REAR WINDOW WIPER BLADE  
BALAI D'ESSUIE-GLACE ARRIERE  
HECKWISCHBLÄTT

6

Gama OPTIMA PRO  
OPTIMA PRO range  
Gamme OPTIMA PRO  
Reihe OPTIMA PRO

## APLICACIONES - APPLICATIONS - ANWENDUNGEN

7

**Vehículo** > Escobillas limpiaparabrisas  
**Vehicle** > Wiper blades  
**Véhicule** > Balais d'essuie-glace  
**Nutzfahrzeuge** > Wischblätter

15

**Escobillas limpiaparabrisas** > Vehículo  
**Wiper blades** > Vehicle  
**Balais d'essuie-glace** > Véhicule  
**Wischblätter** > Nutzfahrzeuge

25









Adaptadores  
Adapters  
Adaptateurs  
Adapter

26

Kit gama industrial  
Kit for commercial vehicles  
Kit pour gamme poids lourds  
Kit für Nutzfahrzeuge

27

Cross Reference

		unid. units unités units per box													kit
			7,2x2,5 F	9x3 9x4 O 5	12x4 9x4 S1 T V1	14x4 S2	16x6 P2	8x2,5 K	13,6 H2b	16,5 4 A4 H2a	22 A3	25 A2	26,5 27 A1	DOGA K 6 H2c	
<b>P 40</b>	400mm (16")	1	F	O			K					K			
<b>P 45</b>	450mm (18")	1		O								K			
<b>P 50.1</b>	500mm (20")	1		O			K					K			
<b>P 53</b>	530mm (21")	1		O											
<b>P 56</b>	560mm (22")	1			T V1										
<b>P 56.1</b>	560mm (22")	1		O										136	
<b>P 60</b>	600mm (24")	1			T V1			H2b	H2a			H2c	M1		
<b>P 60.1</b>	600mm (24")	1		5											
<b>P 60.2</b>	600mm (24")	1		O										136	
<b>P 65</b>	650mm (26")	1							4			6			
<b>P 65.1</b>	650mm (26")	1		O											
<b>P 65.2</b>	650mm (26")	1			T V1									136	
<b>P 65.3</b>	650mm (26")	1				S2									
<b>P 70</b>	700mm (28")	1							4			6			
<b>P 70.2</b>	700mm (28")	1			S1 T V1									136	
<b>P 80</b>	800mm (32")	1							A4		A2	A1			
<b>P 90</b>	900mm (36")	1									A2	A1			
<b>P 90.1</b>	900mm (36")	1					P2								
<b>P 100</b>	1000mm (40")	1								A3	A2	A1			
<b>P 101</b>	1000mm (40")	1					P2								

Todas las escobillas de la gama OPTIMA PRO se suministran en acabado negro.  
 All blades of the OPTIMA PRO range are supplied in black finish.  
 Tous les balais de la gamme OPTIMA PRO sont fournis avec finition en noir.  
 Alle Wischblätter der OPTIMA PRO Reihe werden schwarzlackiert geliefert.



		P		O	
<b>AEBI</b>					
TP 27		P 50.1	O	P 50.1	O
TP 45		P 50.1	O	P 50.1	O
TP 65		P 50.1	O	P 50.1	O
<b>AMZ</b>					
City Smile		P 101	P2	P 101	P2
<b>AUWÄRTER</b>					
Economy 0614	89	P 60	V1	P 60	V1
<b>AVIA</b>					
1000		P 50.1	O	P 50.1	O
1250		P 50.1	O	P 50.1	O
1600		P 45	O	P 45	O
2000		P 50.1	O	P 50.1	O
3600		P 45	O	P 45	O
5600		P 45	O	P 45	O
<b>AYATS</b>					
Bravo 1 (Lower blade)		P 101	P2	P 101	P2
Bravo 1 (Upper blade)		P 80	A1		
<b>BEDFORD</b>					
3-12t	79	P 40	O	P 40	O
Astra-Van	84	P 45	O	P 45	O
K	79	P 40	O	P 40	O
Midi Van	7.85	P 45	O	P 45	O
Serie TK	78	P 50.1	O	P 50.1	O
Serie TM (D-Kab)	74	P 60	H2b	P 60	H2b
TK	76	P 40	O	P 40	O
<b>BERNA</b>					
Cab forward	1.77	P 60	H2a	P 60	H2a
Long nose cabin	1.72	P 40	O	P 40	O
<b>BEULAS</b>					
Aura		P 101	P2	P 101	P2
Cygnus		P 101	P2	P 101	P2
Glory (Lower blade)		P 101	P2	P 101	P2
Glory (Upper blade)		P 80	A1		
Jewell (Lower blade)		P 101	P2	P 101	P2
Jewell (Upper blade)		P 80	A1		
Spica		P 100	A1	P 100	A1
<b>BMC</b>					
Hawk		P 90	A1	P 90	A1
Interurban Alyos		P 80	A1	P 80	A1
Megastar	04	P 65.1	O	P 60.2	O
Probus		P 90	A1	P 90	A1
Procity Hybrid		P 80	A1	P 80	A1
Professional	08	P 65.1	O	P 65.1	O
<b>BUS</b>					
Universal		P 100		P 100	
<b>BYD</b>					
K9C		P 80	A1	P 80	A1

		P		P2	
<b>CAETANO</b>					
2500 EL		P 90.1	P2	P 90.1	P2
Manecocity		P 101	P2	P 101	P2
<b>CASTROSUA</b>					
City		P 90.1	P2	P 90.1	P2
Magnus E		P 100	A1	P 100	A1
Stellae		P 101	P2	P 101	P2
Tempus		P 90.1	P2	P 101	P2
<b>CATERPILLAR</b>					
Cabine 307	1.72	P 80	*	P 80	*
<b>CITRÖEN</b>					
480 DI		P 40	K	P 40	K
700 DI		P 40	K	P 40	K
800 DI		P 40	K	P 40	K
Berlingo Van	9.96	4.08	P 56.1	O	P 56.1
C 15	84		P 45	O	P 45
C 22	9.81		P 50.1	O	P 50.1
C 25	9.81		P 50.1	O	P 50.1
C 35	9.81		P 50.1	O	P 50.1
Jumper	5.95	4.96	P 56.1	O	P 56.1
Jumpy	6.94	1.07	P 65.1	O	P 50.1
Jumpy	1.07		P 70.2	S1	P 50.1
<b>CROBUS</b>					
Zora		P 101	P2	P 101	P2
<b>DAF</b>					
75	9.95	98	P 60	V1	P 60
85	9.95		P 60	V1	P 60
700 DE	10.75	12.78	P 50.1	O	P 50.1
700 DE	1.79		P 60	H2a	P 60
900	85		P 60	H2a	P 60
900 DD	10.75	12.78	P 50.1	O	P 50.1
900 DE	1.79		P 60	H2a	P 60
1100 DD	1.79		P 60	H2a	P 60
1100 DD	10.75	12.78	P 50.1	O	P 50.1
1300 Turbo	86		P 60	H2a	P 60
1500 Turbo	85		P 60	H2a	P 60
1700	9.88		P 50.1	O	P 50.1
1900	9.88		P 50.1	O	P 50.1
2005	74		P 40	O	P 40
2100	80		P 50.1	O	P 50.1
2105	9.88		P 50.1	O	P 50.1
2200	74		P 40	O	P 40
2205	74		P 40	O	P 40
2300	80		P 50.1	O	P 50.1
2300 Turbo	91		P 50.1	O	P 50.1
2305	9.88		P 50.1	O	P 50.1
2500 Turbo	80		P 50.1	O	P 50.1
2505	9.88		P 50.1	O	P 50.1
2525	9.88		P 50.1	O	P 50.1
2700 Ati	91		P 50.1	O	P 50.1
2800	86		P 50.1	O	P 50.1
2805	9.88		P 50.1	O	P 50.1
2900	91		P 50.1	O	P 50.1
3300	91		P 50.1	O	P 50.1
3600 Turbo	86		P 50.1	O	P 50.1
95310	4.97	5.91	P 56	T	P 56
95400	4.87	5.91	P 56	T	P 56
CF	2.98		P 60	V1	P 60
DE	10.75	12.78	P 50.1	O	P 50.1
FA 1500 DT	85		P 60	H2a	P 60

• montar con KIT 136 - mount with KIT 136 - monter avec le KIT 136 - mit KIT 136 montieren

\* montar adaptador A1, A2, A3 o A4 según brazo - fit A1, A2, A3 or A4 depending on arm - monter adaptateur A1, A2, A3 ou A4 selon bras - Je nach Wischerarm A1, A2, A3 oder A4 montieren

LF	1.01		P 60.2	O	P 60.2	O
Serie 400	86	97	P 50.1	O	P 50.1	O
XF	1.97		P 56	V1	P 56	V1
<b>DAIHATSU</b>						
F 20 Taff	78		P 40	F	P 40	F
<b>DODGE</b>						
415	71		P 40	F	P 40	F
CE 16	72		P 40	F	P 40	F
Comando	74		P 60	H2b	P 60	H2b
Express	82		P 60.2	O	P 60.2	O
G 75	76	77	P 60	H2b	P 60	H2b
G 76	76	77	P 60	H2b	P 60	H2b
Maxiload VC 4	72		P 40	F	P 40	F
Cab forward			P 45	O	P 45	O
Serie 100	74		P 60	H2b	P 60	H2b
Serie 100	79		P 60.2	O	P 60.2	O
Serie 100 s	82		P 60	H2a	P 60	H2a
Space Van	79		P 40	F	P 40	F
VCc 8	72		P 40	F	P 40	F
WCAS 541	71		P 40	F	P 40	F
WCFS 562	71		P 40	F	P 40	F
<b>DRÖGMÖLLER</b>						
300			P 100	*	P 100	*
310			P 100	*	P 100	*
320			P 100	*	P 100	*
330			P 100	*	P 100	*
430			P 100	*	P 100	*
440 Sup.			P 70	4	P 70	4
Aufbau Scania K 110			P 100	*	P 100	*
E 290			P 100	*	P 100	*
E 420			P 70	4	P 70	4
Supercomet			P 100	*	P 100	*
<b>EBRO</b>						
Coaches 65/7 D	85		P 70	4	P 70	4
Coaches 100/8 D	85		P 70	4	P 70	4
D 154	71		P 45	K	P 45	K
E 35 F, E 60 F			P 45	O	P 45	O
E 154	78		P 45	O	P 45	O
F 260, F275, F350	80		P 50.1	O	P 50.1	O
JX 20 Trade 2.0	86		P 50.1	O	P 50.1	O
JX 20 Trade 2.8	86		P 50.1	O	P 50.1	O
L 35, L 45	80		P 45	O	P 45	O
L 60, L 80	80		P 45	O	P 45	O
M 100, M 125, M 140	80		P 50.1	O	P 50.1	O
P 137, P 170	80		P 50.1	O	P 50.1	O
P 200, P 260	80		P 50.1	O	P 50.1	O
P 320	80		P 50.1	O	P 50.1	O
Series C,D,E	78		P 40	F	P 40	F
<b>ERF</b>						
Couchette			P 60.2	O	P 60.2	O
EC Olimpic			P 60.2	O	P 60.2	O
<b>FAST</b>						
Scoler 4			P 80	A1	P 80	A1
Starter L			P 90	A1	P 90	A1
Starter LE			P 100	A1	P 100	A1
<b>FEND</b>						
F275 GT	1.76		P 50.1	O	P 50.1	O

<b>FIAT</b>								
Dobló Cargo	3.01	2.10	P 56.1	O	P 45	O		
Ducato	3.94	7.06	P 50.1	O	P 50.1	O		
Fiorino	1.88	5.01	P 45	O	P 45	O		
Scudo	2.96	1.07	P 65.1	O	P 50.1	O		
Scudo	1.07		P 70.2	S1	P 50.1	O		
Strada	6.99		P 60.2	O	P 45	O		
<b>FORD</b>								
0711			P 60	H2b	P 60	H2b		
0813			P 60	H2b	P 60	H2b		
0915			P 60	H2b	P 60	H2b		
1013, 1015			P 60	H2b	P 60	H2b		
1113, 1115			P 60	H2b	P 60	H2b		
1313, 1315			P 60	H2b	P 60	H2b		
1318, 1318 R			P 60	H2b	P 60	H2b		
4028	9.88		P 60	H2b	P 60	H2b		
Cargo 07009			P 60	H2b	P 60	H2b		
Cargo 1824,1924,1928	9.88		P 60	H2b	P 60	H2b		
Cargo 2624	9.88		P 60	H2b	P 60	H2b		
FT 9, FT 190	8.75	1.78	P 50.1	O	P 50.1	O		
Ranger	6.99		P 45	O	P 45	O		
Serie A	1.78		P 50.1	O	P 50.1	O		
Serie H Transcount	76		P 60	H2b	P 60	H2b		
Transit	9.85	7.00	P 56.1	O	P 56.1	O		
Transit	7.00		P 70.2	V1	P 60	V1	P 45	O
Transit Connect	6.02		P 56.1	O	P 50.1	O		
Transit FT9,80,100,130,190	1.77	10.86	P 50.1	O	P 50.1	O		
Transit Tourneo	11.94	12.00	P 56.1	O	P 56.1	O		
<b>FOTON</b>								
BJ6123			P 100	A1	P 100	A1		
<b>FREIGHTLINER</b>								
Business Class			P 56.1	O	P 56.1	O		
Cascadia			P 60.2	O	P 60.2	O		
<b>FREIGHT-ROVER</b>								
Serie 300	86		P 50.1	O	P 50.1	O		
<b>GME</b>								
Midi	89		P 45	O	P 45	O		
Rascal	89		P 40	O	P 40	O		
<b>HANOMAG-HENSCHHEL</b>								
F 141-F500	10.72		P 50.1	O	P 50.1	O		
F 161-F203	10.72		P 50.1	O	P 50.1	O		
F 20, F 25, F 30, F 35		2.74	P 40	O	P 40	O		
F 40, F 85	71	74	P 45	O	P 45	O		
F 161	10.72		P 50.1	O	P 50.1	O		
K-F 221 K	10.72		P 50.1	O	P 50.1	O		
Transported TN	8.76		P 50.1	O	P 50.1	O		
<b>HESS</b>								
City Bus			P 90	A1	P 90	A1		
<b>HEULIEZ</b>								
Cristalis	6.00		P 90	A1	P 90	A1		
GX 117-586	7.99		P 80	A1	P 80	A1		
GX 217			P 80	A2	P 80	A2		



VEHICULO		WIPER		WIPER	
GX 37H		P 70	4	P 70	4
GX 44		P 100	A1	P 100	A1
GX 317	7.99	P 80	A2	P 80	A2
GX 417		P 80	A2	P 80	A2
<b>HYUNDAI</b>					
H 100	95	P 45	O	P 45	O
H-1	10.97 2.08	P 65.1	O	P 50.1	O P 40 O
<b>IKARUS</b>					
61		P 100	*	P 100	*
271	73	P 70	4	P 70	4
386		P 100	*	P 100	*
396		P 100	*	P 100	*
397.07, Midibus 405	94	P 80	*	P 80	*
415		P 100	*	P 100	*
435		P 100	*	P 100	*
521	73	P 70	4	P 70	4
543.30	73	P 70	4	P 70	4
557	73	P 70	4	P 70	4
Chasis Scania K 112		P 100	*	P 100	*
IK190	73	P 70	4	P 70	4
<b>INDCAR</b>					
Mago 2		P 101	P2	P 101	P2
<b>IPV (MAFSA)</b>					
4 T 115		P 45	O	P 45	O
85 TT		P 40	F	P 40	F
110 TT		P 40	F	P 40	F
177 T		P 45	O	P 45	O
180 R		P 45	O	P 45	O
UT 115		P 45	O	P 45	O
<b>IRISBUS</b>					
Acces Bus 127	1.02	P 80	A2	P 80	A2
Citelis		P 100	A1	P 100	A1
Crealis Neo		P 100	A1	P 100	A1
Crossway		P 100	A1	P 100	A1
Domino HD, HDH	10.03	P 100	A1	P 100	A1
Evadys	10.03	P 100	A1	P 100	A1
Evadys H		P 100	A1	P 100	A1
Magelys Pro		P 100	A1	P 100	A1
<b>IRIZAR</b>					
Century	02	P 100	A1	P 100	A1
i3	11	P 101	P2	P 101	P2
i4	11	P 101	P2	P 101	P2
i6	11	P 101	P2	P 101	P2
Intercentury	00	P 100	A1	P 100	A1
PB	02	P 101	P2	P 101	P2
<b>ISUZU</b>					
D-MAX (Rodeo)	5.02	P 56.1	O	P 45	O
F-Series (FRR, FSR)	08	P 56.1	O	P 56.1	O
F-Series (FVR)	08	P 50.1	O	P 50.1	O
NKR, NPR, NGR	98 10.06	P 45	O	P 45	O
N-Series	10.06	P 45	O	P 45	O
<b>IVECO (Fiat, Magirus, OM)</b>					
109/14,109/14.1	83	P 45	O	P 45	O
115/14,115/14.1	83	P 45	O	P 45	O
115/17,115/17.1	83	P 45	O	P 45	O

VEHICULO		WIPER		WIPER		
120 D,135 D,160 D,170 D	12.74	P 50.1	O	P 50.1	O	
13,16-65/10,75/16	83	P 60	H2a	P 60	H2a	
130, Serie160 (O.M.)	83	P 45	O	P 45	O	
135/14-14.2-14BOM	83	P 45	O	P 45	O	
135/17-17.2-R.R	83	P 45	O	P 45	O	
135/17,145/17T (long nose)	9.88	P 60	H2a	P 60	H2a	
135/17.R 1 RIDEM	83	P 45	O	P 45	O	
145/17	86	P 45	O	P 45	O	
156 D,180 D,186 D,210 D	12.70	P 50.1	O	P 50.1	O	
159 F 177,20,160 F	4.78	P 45	O	P 45	O	
160.R 81 Turbo		P 100	*	P 100	*	
165/24,165/R.R. 1	83	P 45	O	P 45	O	
170 F NT,330 F 35	77	P 60	H2a	P 60	H2a	
170 NT,170 OM 35	75	P 45	O	P 45	O	
170 OM 35	5.79	P 60	H2a	P 60	H2a	
170,L,R,TL,TR	1.75	9.79	P 70	4	P 70	4
175/04, 24 T (long nose)	9.88	P 60	H2a	P 60	H2a	
175/04,175/17	86	P 45	O	P 45	O	
180,190,260,4 A,C,N,L,T	77	P 45	O	P 45	O	
180.24-240.38		P 65	4	P 65	4	
190 F, PAC	77	P 60	H2a	P 60	H2a	
190 OM 35 T	5.79	P 60	H2a	P 60	H2a	
190,220,240.30	1.83	P 65	4	P 65	4	
190.35,190 F 35 T		P 65	4	P 65	4	
190/20 N,24,25 AN	83	P 65	4	P 65	4	
190/24,26 T,30,32 T	9.88	P 65	4	P 65	4	
220.35 T,240.35		P 65	4	P 65	4	
220/36 T(cab forw),38,38T	9.88	P 60	H2a	P 60	H2a	
232/AHT	83	P 60	H2a	P 60	H2a	
240.38,260,330.35	1.83	P 65	4	P 65	4	
240/36 Turbo star	9.88	P 60	H2a	P 60	H2a	
26 N,26 Turbo,30,32 AH	83	P 60	H2a	P 60	H2a	
260/25,AH,AN,26H,32AH	83	P 60	H2a	P 60	H2a	
260/30,330/30T,(cab forw.)	9.88	P 60	H2a	P 60	H2a	
260SH, 70	81	P 70	4	P 70	4	
280 avant	1.81	P 50.1	O	P 50.1	O	
300 P		P 65	4	P 65	4	
305GT,308L,480AL,AC	8.77	P 60	H2a	P 60	H2a	
310 D,470	78	P 60	H2a	P 60	H2a	
315.8.17 Turbo,370	82	P 100	*	P 100	*	
320 M	1.79	P 60	H2a	P 60	H2a	
33 T,38,42,42 T	83	P 60	H2a	P 60	H2a	
330/30 T (cab forward)	9.88	P 60	H2a	P 60	H2a	
330/36 AHT	83	P 60	H2a	P 60	H2a	
36 42 (cab forward)	9.88	P 60	H2a	P 60	H2a	
370	81	82	P 80	*	P 80	*
370.12.76	1.76	P 70	4	P 70	4	
40 NC, 40 NC 35	77	P 40	F	P 40	F	
470,570,670,12.25	81	P 80	*	P 80	*	
480 AC/AL,M120R	78	P 60	H2a	P 60	H2a	
50 F 8,100 F13	4.78	P 45	O	P 45	O	
50,55,65,70,75	8.77	P 45	O	P 45	O	
60,79F10.13,65,75,90PC	5.76	P 45	O	P 45	O	
60/8,65/60.10	83	P 45	O	P 45	O	
619,684,697	8.77	P 60	H2a	P 60	H2a	
65 NC 10	80	P 45	O	P 45	O	
65/10,79/10,79/12	83	P 45	O	P 45	O	
79.75/14,90/13,95/14	83	P 45	O	P 45	O	
79/14,79/60,79/60.14	83	P 45	O	P 45	O	
79/14,80/13,M 100	83	P 60	H2a	P 60	H2a	
79/75,79/75.10	83	P 45	O	P 45	O	
80,90,100,170 C/N/L	8.77	P 45	O	P 45	O	
80.14 HW,8016 HW,110.14	83	94	P 40	O	P 40	O
90M,130M,160M,320M	12.78	P 50.1	O	P 50.1	O	
90M,M6 FK,160M 13 FS	1.79	P 60	H2a	P 60	H2a	
Daily I	1.78	4.99	P 60.2	O	P 60.2	O
Daily II	5.99	4.06	P 60.2	O	P 60.2	O
Daily III	5.06		P 60.2	O	P 60.2	O
Diano,Cerbiatto,Orsotto			P 40	F	P 40	F
Domino,471,571,671	82		P 100	*	P 100	*
Ducato	1.82	5.94	P 50.1	O	P 50.1	O
Duty	91		P 60.1	5	P 60.1	5
Eikher Schiepper	8.75		P 40	F	P 40	F

• montar con KIT 136 - mount with KIT 136 - monter avec le KIT 136 - mit KIT 136 montieren

\* montar adaptador A1, A2, A3 o A4 según brazo - fit A1, A2, A3 or A4 depending on arm - monter adaptateur A1, A2, A3 ou A4 selon bras - Je nach Wischerarm A1, A2, A3 oder A4 montieren

EuroCargo	1.91		P 65.2	T	P 65.2	T
Eurostar	1.93	2.02	P 65.2	T	P 65.2	T
Eurotech	1.92	2.02	P 65.2	T	P 65.2	T
EuroTrakker	1.93	11.04	P 65.2	T	P 65.2	T
Lupetto, Titano N 150			P 40	K	P 40	K
M 110 D, M 120 D		8.75	P 40	K	P 40	K
M 130 D, M 160 D	1.75		P 60.1	5	P 60.1	5
M 130 D, M 160 D, M 170 D	9.77		P 60	H2a	P 60	H2a
M 170 D, M 310 D	1.75		P 60.1	5	P 60.1	5
M 170 SH, M 200 SH 110 U	73	78	P 70	4	P 70	4
M 200 L,R,T,M 230L,R,T	1.75	6.78	P 70	4	P 70	4
M 2000 12 M Turbo	81		P 100	*	P 100	*
M 2000 HD	82		P 100	*	P 100	*
M 232 D	1.71	12.74	P 60.1	5	P 60.1	5
M 232 D, M 256 D	9.77		P 60	H2a	P 60	H2a
M 260 L	10.77		P 70	4	P 70	4
M 270 D	1.75	6.78	P 60.1	5	P 60.1	5
M 270 D	9.77	6.78	P 60	H2a	P 60	H2a
M 80 D, M 100 D		8.75	P 40	K	P 40	K
N 120 R 81 Turbo	81		P 80	*	P 80	*
NKW 80/13,80/16	82		P 65	4	P 65	4
NS 150			P 40	K	P 40	K
PowerStar			P 65.2	T	P 65.2	T
Stralis	2.02		P 65.2	T	P 65.2	T
Taleno	89		P 50.1	O	P 50.1	O
Trakker	10.04		P 65.2	T	P 65.2	T
Turbo	81	7.84	P 65	4	P 65	4
TurboStar, TurboTech	7.84	12.93	P 65	4	P 65	4
<b>KÄSSBOHRER</b>						
D 215 HM, S 215 RL			P 100	*	P 100	*
Flexmobil	85		P 50.1	O	P 50.1	O
Imperial			P 80	*	P 80	*
PB 36.170 DR-39, 170 DR	11.81		P 65	4	P 65	4
PB 42.240 D	88		P 80	*	P 80	*
Pistenbully	10.80		P 65	4	P 65	4
S 130 S,140 ES	1.77		P 60	H2a	P 60	H2a
S 200 H, S 210 H, S210 HD			P 100	*	P 100	*
S 208A	80		P 80	*	P 80	*
S 210 Real, S 211			P 100	*	P 100	*
S 213HE	87		P 80	*	P 80	*
S 213HR,S 215 HD			P 100	*	P 100	*
S 215 HD, S 215 UL			P 100	*	P 100	*
S 216 HDS, SG 215 SL			P 100	*	P 100	*
S 228 DT Internat			P 80	*	P 80	*
S 228 DT, S 300 N	92		P 90	*	P 90	*
S 80,110,120,130,150		8.77	P 50.1	O	P 50.1	O
S 9-S 14,S80-S 150	10.87		P 50.1	O	P 50.1	O
SG 219 SL, S 300 NC			P 100	*	P 100	*
Ü 80 (ÖNV)	80		P 80	*	P 80	*
<b>KÄSSBOHRER-SETRA</b>						
Pistenbully	10.80		P 40	K	P 40	K
<b>KIA</b>						
Besta	95		P 45	O	P 45	O
K-2500	02		P 53	O	P 45	O
Pregio	10.96		P 53	O	P 45	O
<b>KING LONG</b>						
XMQ6120AGD5			P 100	A1	P 100	A1
XMQ6120C			P 100	A1	P 100	A1
XMQ6129BYD5			P 90	A1	P 90	A1
XMQ6129Y			P 100	A1	P 100	A1
XMQ6130Y			P 100	A1	P 100	A1
XMQ6900			P 100	A1	P 100	A1
XMQ6996Y			P 100	A1	P 100	A1

<b>KUTSENITS</b>						
Hydra			P 100	A1	P 100	A1
<b>LDV</b>						
Maxus	2.05		P 56.1	O	P 56.1	O
<b>LEYLAND</b>						
19/28 Roadtrain	84		P 60	H2b	P 60	H2b
26-26 Scammel	84		P 60	H2b	P 60	H2b
7/10 CWT Van	72		P 40	F	P 40	F
Atlanteam Bus	77		P 60	H2b	P 60	H2b
Bison 2, Optopus 2	78		P 60	H2b	P 60	H2b
Cruiser, Freighter	80		P 60	H2b	P 60	H2b
Ladtrain, Olimpia	80		P 60	H2b	P 60	H2b
Marathon, Marathon 2	74		P 60	H2b	P 60	H2b
National, Triton	77		P 60	H2b	P 60	H2b
Roadtrain, Construct.	80		P 60	H2b	P 60	H2b
Rolls Royce T 350	84		P 60	H2b	P 60	H2b
Royal Tiger B 54	3.83		P 100	*	P 100	*
T 45, T 45 T	84		P 60	H2b	P 60	H2b
<b>MACK</b>						
MS 200, 300 Midliner	79		P 50.1	O	P 50.1	O
<b>MAN-BÜSSING</b>						
1 M/V 160,230 R 14	1.72	12.75				
12.152 FL-17.232 FL (M90)	10.88	96	P 60	T	P 60	T
12.170 F. 14.192 F	85		P 50.1	O	P 50.1	O
12.192 F	8.74		P 50.1	O	P 50.1	O
12.192 F, 38.320 F,DT,FT		7.74				
17.240,19.240,19.281	9.88		P 50.1	O	P 50.1	O
19.242-48.462 (F90)	86	94	P 60	T	P 60	T
19.321,26.240,26.281	9.88		P 50.1	O	P 50.1	O
19.361 F,FLT, 41.321/VFAK	85		P 50.1	O	P 50.1	O
32.281,32.321	9.88		P 50.1	O	P 50.1	O
32.291,DFAK,32.331 DFA	86		P 50.1	O	P 50.1	O
4.70F,6.90F,5.70F,7.90F	79		P 40	O	P 40	O
5.126F,6.126F,7.126F	9.67	10.79				
6.100,8.100,8.150	9.88		P 45	O	P 45	O
6.90,8.90,8.136 FZ	80	93	P 50.1	O	P 50.1	O
7.136 F,9.136 F	79	86	P 40	O	P 40	O
8.126F,8.160F,9.160F	9.67	95				
9.136/10.136 F	80	95				
9.150,10.150	80	95	P 45	O	P 45	O
9.186 F,10.126 F	9.67	95				
Ale Euro 3	00		P 100	A1	P 100	A1
Cab forward	9.88		P 50.1	O	P 50.1	O
D 80,G80,S80		84	P 80	*	P 80	*
D80, G80, S80, Ü80	84		P 80	*	P 80	*
E2000	5.00		P 60	T	P 60	T
Economy Bus			P 100	*	P 100	*
F 2000	95		P 60	T	P 60	T
FNL, FVLS,U,UK,UNL		7.74				
L 2000	95		P 50.1	O	P 50.1	O
LE	9.00		P 50.1	O	P 50.1	O
LE Lowentry	9.04		P 60	H2b	P 60	H2b
Lion's City	1.04	11	P 90.1	P2	P 90.1	P2
Lion's City	11		P 101	P2	P 101	P2
Lion's Coach	9.05		P 100	A1	P 100	A1
Lion's Comfort	9.06		P 101	P2	P 101	P2
Lion's Regio	6.04		P 100	A1	P 100	A1
Lion's Star	10.01		P 101	P2	P 101	P2
Lion's Top Coach	6.99	1.04	P 101	P2	P 101	P2
MN 283			P 80	A2	P 80	A2
NG 272,NM 152	89		P 80	*	P 80	*
NH 283	00		P 60	T	P 60	T



		P 90		P 80		P 100	
NL 202	89 94	P 90	*	P 90	*		
NL 202 ( Önv II)	84 88	P 80	*	P 80	*		
NL 222	98	P 80	A4	P 80	A4		
NÜ	3.96	P 90.1	P2	P 90.1	P2		
RH	98 01	P 100	A1	P 100	A1		
RN 353	96	P 101	P2	P 101	P2		
RÜ 240, SÖ 242	85	P 100	*	P 100	*		
SD 200,SL 200,SÜ 240	84	P 70	4	P 70	4		
Serie G 90	91	P 45	O	P 45	O		
SG 192,SL 160,SL 192	12.76	P 70	4	P 70	4		
SG 220,SG 240	81	P 70	4	P 70	4		
SG 242/SG 292 (ÖNV II)	85	P 80	*	P 80	*		
SL 202,SÜ 240,SÜ242	85 87	P 80	*	P 80	*		
SR 240,SR 280 H	77	P 100	*	P 100	*		
SR 292 R,SR 362 FRH	85	P 100	*	P 100	*		
SR 321 FRH	81	P 100	*	P 100	*		
TGA	4.00	P 70.2	T	P 70.2	T		
TGL	4.05	P 70.2	T	P 70.2	T		
TGM	10.05	P 70.2	T	P 70.2	T		
TGS	8.07	P 70.2	T	P 70.2	T		
TGX	9.07	P 70.2	T	P 70.2	T		
ÜL 272	87	P 100	*	P 100	*		
<b>MAZDA</b>							
B-2500	6.99	P 45	O	P 45	O		
E 200	84	P 40	F	P 40	F		
Series B,E	95	P 45	O	P 45	O		
T 2500,T 3000	81	P 40	F	P 40	F		
<b>MCW</b>							
Metroliner	83	P 80	*	P 80	*		
Metroliner D.D.	83	P 100	*	P 100	*		
<b>MERCEDES BENZ</b>							
206,207,306,307	1.71 7.77	P 40	O	P 40	O		
206,207,306,307	3.73 7.77	P 45	O	P 45	O		
207 D,208,307 D,308	5.77 82	P 50.1	O	P 50.1	O		
209 D,309 D,407 D,408 D	83	P 50.1	O	P 50.1	O		
210,310	82	P 50.1	O	P 50.1	O		
219 L	76	P 50.1	O	P 50.1	O		
307 D,407 D,409 D	85	P 50.1	O	P 50.1	O		
409 D,410	83	P 50.1	O	P 50.1	O		
509 D,609 D,709 D,809 D	86	P 60.1	5	P 60.1	5		
608 D,0309	85	P 50.1	O	P 50.1	O		
613 D	85	P 50.1	O	P 50.1	O		
709,711 D,809,811 D	84	P 60.1	5	P 60.1	5		
813,913	84	P 50.1	O	P 50.1	O		
814,817,914,1114	84	P 60.1	5	P 60.1	5		
1013 L,1113,1213	76 84	P 50.1	O	P 50.1	O		
1013,1017,1213,1217,1219	9.75	P 70	4	P 70	4		
1117,1314	84	P 60.1	5	P 60.1	5		
1222	83	P 70	4	P 70	4		
1320 L-S	85	P 60.1	5	P 60.1	5		
1413,1613	84	P 70	4	P 70	4		
1414,1417,1617	84	P 70	4	P 70	4		
1419,1619,2219	83	P 70	4	P 70	4		
1422,142 S,1622,1625	83	P 70	4	P 70	4		
1618	95	P 60	H2a	P 60	H2a		
1619 L	77	P 50.1	O	P 50.1	O		
1626,1632,1719	73	P 70	4	P 70	4		
1633 S,1933 S,1938 S,2233	9.80	P 60	H2a	P 60	H2a		
1922 K,2225	83	P 70	4	P 70	4		
1928,1933,2628	80	P 70	4	P 70	4		
1935,1944,2035	86	P 70	4	P 70	4		
1936,2233,2636,3336	81	P 70	4	P 70	4		
1938 S-3850 AS	85	P 60	H2a	P 60	H2a		
2031,3350, Fredliner	95	P 65.2	T	P 65.2	T		
2032,2224,2232	73	P 70	4	P 70	4		
2629,2635,2644	86	P 70	4	P 70	4		

		P 65.2		P 70.2		P 90.1	
3336 ( Typ 641/649 )	89	P 65.2	T	P 65.2	T		
Actros	4.96	P 70.2	V1	P 70.2	V1		
Actros II	10.02	P 70.2	V1	P 70.2	V1		
Atego	1.98 10.04	P 65.2	V1	P 65.2	V1		
Atego II	10.04	P 65.2	V1	P 65.2	V1		
Axor	9.01 10.04	P 65.2	V1	P 65.2	V1		
Axor II	10.04	P 65.2	V1	P 65.2	V1		
Citaro	98	P 90.1	P2	P 90.1	P2		
Cito	1.97	P 101	P2	P 101	P2		
City Liner 809...1524	9.95	P 60	V1	P 60	V1		
Conecto	5.01	P 101	P2	P 101	P2		
Econic	3.98	P 60	T	P 60	T		
G, GN (Ü 80)	89	P 90	*	P 90	*		
Integro	97	P 101	P2	P 101	P2		
Intouro		P 101	P2	P 101	P2		
L-Q 310	80	P 60.1	5	P 60.1	5		
MB 100,120,140,160,180 D	87 96	P 50.1	O	P 50.1	O		
MB 150,170,180	86	P 45	O	P 45	O		
MB 90,100,130,140	86	P 45	O	P 45	O		
MB Trac 700,800,900	81	P 50.1	O	P 50.1	O		
O 301-LN 2	85 5.86	P 60	T	P 60	T		
O 301-LN 2	6.86	P 60	V1	P 60	V1		
O 303	10.74 79	P 70	4	P 70	4		
O 303	93	P 100	*	P 100	*		
O 303 LHD/RHD	79	P 100	*	P 100	*		
O 309 D, L 406 D, L 407 D	11.74	P 50.1	O	P 50.1	O		
O 310	80	P 60.1	5	P 60.1	5		
O 402, O405, O407 (ÖNVII)	85 91	P 80	*	P 80	*		
O 404	91 99	P 100	*	P 100	*		
O 407 Ü	87 01	P 100	*	P 100	*		
O 408	89 98	P 100	*	P 100	*		
O 614 D	89	P 60	V1	P 60	V1		
Powerliner 1820-1834	95	P 65.2	T	P 65.2	T		
Roadliner, Proliner	95	P 65.2	T	P 65.2	T		
S,2238,S,2633,2638	9.80	P 60	H2a	P 60	H2a		
Serie LK (507 D- 817 D)	6.86 98	P 60	V1	P 60	V1		
Serie LK (709 D- 1520 D)	6.86	P 60	V1	P 60	V1		
Serie SK 1013	89 96	P 65.2	T	P 65.2	T		
Series 300 d, 400 d	91	P 50.1	O	P 50.1	O		
Series LK, LN (709-1320)	6.84 8.86	P 60	T	P 60	T		
Sprinter	95 5.06	P 60.2	O	P 56.1	O		
Tourino	10.03	P 90	A2	P 90	A2		
Tourismo		P 101	P2	P 101	P2		
Travego	97	P 101	P2	P 101	P2		
U 1000, U 1100, U 1250	2.76	P 50.1	O	P 50.1	O		
U 1300, U 1500, U 1700	2.76	P 50.1	O	P 50.1	O		
U 45,52,54,55,60,66,72,80	4.66 12.76	P 40	K	P 40	K		
U 600,U 800	1.77	P 40	K	P 40	K		
U 80-1700 L		P 50.1	O	P 50.1	O		
U 84,100,110,508 D	5.69 12.76	P 50.1	O	P 50.1	O		
U 90,125	5.69 3.77	P 40	K	P 40	K		
U 900,1000,1100	87	P 40	K	P 40	K		
Üstra	98	P 90.1	P2	P 90.1	P2		
Vario	9.96	P 60	V1	P 60	V1		
Vito	2.96 7.03	P 60.2	O	P 56.1	O		
Vito	7.03 8.05	P 70.2	V1	P 65.2	V1		
Zetros	9.08	P 53	O	P 53	O		
<b>MICROTRUCKS</b>							
UFO		P 45	O	P 45	O		
<b>MITSUBISHI</b>							
Canter	80 95	P 40	F	P 40	F		
Canter (Standard Cab)	95	P 50.1	O	P 50.1	O		
Canter (Wide Cab)	04	P 53	O	P 53	O		
Canter (Wide Cab)	95 04	P 56.1	O	P 56.1	O		
Fuso	76	P 40	F	P 40	F		
Fuso Supergreat	96	P 53	O	P 53	O		
L200	10.96 11.05	P 45	O	P 45	O		
L200	11.05	P 56.1	O	P 45	O		

• montar con KIT 136 - mount with KIT 136 - monter avec le KIT 136 - mit KIT 136 montieren

\* montar adaptador A1, A2, A3 o A4 según brazo - fit A1, A2, A3 or A4 depending on arm - monter adaptateur A1, A2, A3 ou A4 selon bras - Je nach Wischerarm A1, A2, A3 oder A4 montieren

L200, L 300		80	P 40	F	P 40	F	
<b>NEOPLAN</b>							
Cityliner		8.82	P 70	4	P 70	4	
Cityliner N 116		81	P 80	*	P 80	*	
Cityliner N 116		9.82	00	P 70	4	P 70	4
Cityliner N 116H			P 80	*	P 80	*	
Clubliner N 122/2		81	95	P 80	*	P 80	*
Clubliner N 122/2		81	95	P 100	*	P 100	*
Combiliner			P 100	*	P 100	*	
Combiliner N 316			P 70	4	P 70	4	
Euroliner		10.98	P 101	P2	P 101	P2	
Jetliner		9.81	P 70	4	P 70	4	
Jetliner N 108-N216		81	P 100	*	P 100	*	
Jumbocruiser N 138			P 100	*	P 100	*	
Jumbocruiser N 138		81	P 80	*	P 80	*	
Kombi Metropoliner N 316		85	P 100	*	P 100	*	
Linien Schubel, SG, SÜG		81	P 80	*	P 80	*	
N 4007-N4021		87	P 100	*	P 100	*	
N 4010 NF, N 4014 NF DE			P 80	*	P 80	*	
N 4020 NF			P 80	*	P 80	*	
N 407SKI, N 209		81	P 80	*	P 80	*	
N 416 M/MK		81	P 100	*	P 100	*	
N 424/n 426		81	P 80	*	P 80	*	
Omnibus		76	81	P 70	4	P 70	4
SD/2-SD/3, N 12/4			P 80	*	P 80	*	
Skyliner 122/3		9.88	01	P 70	4	P 70	4
Spaceliner N 117/Reisebus		81	P 80	*	P 80	*	
Spaceliner,N117/2,3		76	81	P 70	4	P 70	4
Standarlinie SL II		81	96	P 80	*	P 80	*
Starliner (Lower blade)		9.06	11	P 100	A1	P 100	A1
Starliner (Upper blade)		9.06	11	P 80	A4	P 80	A4
SÜ N416			P 100	*	P 100	*	
Tourliner		9.02		P 100	A2	P 100	A2
Trendliner		9.04		P 100	A2	P 100	A2
Überland SÜ		81		P 80	*	P 80	*
Unibus N 906, N 907				P 80	*	P 80	*
<b>NISSAN-EBRO</b>							
Atleon (3.5T-8T)		9.00		P 60.2	O	P 56.1	O
Atleon (9.5T-15T)		9.00		P 60.2	O	P 60.2	O
Cabstar		10.06		P 50.1	O	P 50.1	O
Cabstar		10.98	10.06	P 45	O	P 45	O
ECO-T (100,135)		96		P 50.1	O	P 50.1	O
Interstar		7.02	10.11	P 60.2	O•	P 60.2	O•
Kubistar		11.03		P 50.1	O	P 50.1	O
Mods. L				P 45	O	P 45	O
Mods. M, Trade 2.0, 2.8				P 50.1	O	P 50.1	O
Navara		10.04		P 60.2	O	P 45	O
NP300		5.08		P 45	O	P 45	O
NV200		2.10		P 56.1	O	P 40	O
NV400		10.11		P 65.1	O	P 65.1	O
Pick-Up		1.97	10.04	P 45	O	P 45	O
Vanette		6.81	10.86	P 40	F	P 40	F
Vanette		10.86	1.95	P 45	O	P 45	O
Vanette Cargo		1.95		P 60.2	O	P 60.2	O
						P 40	O
<b>NOGE</b>							
Titanium				P 101	P2	P 101	P2
Touring-H				P 101	P2	P 101	P2
Touring-HD				P 100	A1	P 100	A1
<b>OPEL</b>							
Combo		10.01		P 50.1	O	P 40	O
Corsa Combo		95		P 45	O	P 45	O
Movano		7.98	4.10	P 60.2	O•	P 60.2	O•
Movano		4.10		P 65.1	O	P 65.1	O
Vivaro Combi		8.01		P 60.2	O	P 53	O

<b>ORENSTEIN &amp; KOPPEL</b>							
2082,2089,2135		85		P 50.1	O	P 50.1	O
Radiader				P 65	4	P 65	4
<b>OTOKAR</b>							
Kent C				P 100	A1	P 100	A1
Navigo				P 80	A1	P 80	A1
Navigo U				P 100	A1	P 100	A1
Territo U				P 100	A1	P 100	A1
Vectio C, U				P 100	A1	P 100	A1
<b>PEGASO</b>							
100.35, space cab 100.50				P 50.1	O	P 50.1	O
1061,1063,1064				P 40	K	P 40	K
1066,2011,2040				P 40	K	P 40	K
1080,1083,1086		85		P 50.1	O	P 50.1	O
1135,1145,1180		85		P 50.1	O	P 50.1	O
1183,1184,1186		85		P 50.1	O	P 50.1	O
1187,1190,2080		85		P 50.1	O	P 50.1	O
1214,1216,1217		85		P 50.1	O	P 50.1	O
1215.9,COMBI 75.28				P 50.1	O	P 50.1	O
1223,1231,1234		85		P 50.1	O	P 50.1	O
1234 R,1331,1431		85		P 50.1	O	P 50.1	O
1434,2217,2323		85		P 50.1	O	P 50.1	O
2041,3060,3075				P 40	K	P 40	K
217,415,515		85		P 40	F	P 40	F
2180,2181,2182		85		P 50.1	O	P 50.1	O
2189,2190,3088		85		P 50.1	O	P 50.1	O
2331,2431		85		P 50.1	O	P 50.1	O
3180,3181,3188,3189		85		P 50.1	O	P 50.1	O
Buses 5023,5031				P 45	K	P 45	K
Buses 5062,5080				P 45	K	P 45	K
Buses 6420		85		P 70	4	P 70	4
Coaches 5031,5123		85		P 70	6	P 70	6
Coaches 6046/1,6100 S		85		P 100	*	P 100	*
Coaches S 215,5036 S/1		85		P 100	*	P 100	*
Duty		91		P 60.1	5	P 60.1	5
Ekus		86		P 50.1	O	P 50.1	O
Mider		91		P 50.1	O	P 50.1	O
Troner		9.87	6.95	P 56	T	P 56	T
Van 75.32,1210.6				P 50.1	O	P 50.1	O
Van Capitone 75.35				P 50.1	O	P 50.1	O
<b>PEUGEOT</b>							
Boxer		95	4.06	P 56.1	O	P 56.1	O
Expert		95	1.07	P 60.2	O	P 50.1	O
Expert		1.07		P 70.2	S1	P 50.1	O
J 5		82		P 50.1	O	P 50.1	O
J 7, J 9		74		P 40	O/F	P 40	O/F
Partner		9.96	4.08	P 56.1	O	P 56.1	O
						P 40	O
<b>RENAULT TRUCKS</b>							
90,95,J,S,C (Serie)		3.75		P 50.1	O	P 50.1	O
90B,130B,140B,150B-T3				P 50.1	O	P 50.1	O
260,280,300,320,340			79	P 50.1	O	P 50.1	O
Agora		1.96		P 100	A1	P 100	A1
Ares		1.99		P 100	A1	P 100	A1
B 70		10.82		P 60	H2a	P 60	H2a
Bus D 300		1.85		P 100	*	P 100	*
Cruiser 2,3,SGMV 6				P 60	H2b	P 60	H2b
D 170.14,D170.17				P 45	O	P 45	O
D 210.20, D230.20				P 45	O	P 45	O
D230.26, D270.34				P 45	O	P 45	O
D270 T, D320.34,D320.37				P 45	O	P 45	O
D320.38,D320 T				P 45	O	P 45	O
DG 290-T				P 60	H2a	P 60	H2a



vehículo		tourisme		vehicle		Nutzfahrzeuge	
DR340.20-26-3				P 50.1	O	P 50.1	O
DR340.38,DR340 T				P 50.1	O	P 50.1	O
E7 C,L,M,N	5.77			P 60	H2a	P 60	H2a
Express	92			P 45	O	P 45	O
FB/FC 30 Van	10.79			P 60	H2a	P 60	H2a
FR 1 (GT), R 312	83			P 100	*	P 100	*
G 45, G 105				P 60	H2a	P 60	H2a
GAK, GB 0	61			P 40	K	P 40	K
GBC, 8, 8 M 3	65	71		P 40	K	P 40	K
GBE, GBH, GBK	68	74		P 40	K	P 40	K
GCK, GFK10	68	74		P 40	K	P 40	K
GL, GLC, GLM, GLR	62	75		P 40	K	P 40	K
Iliade	1.97			P 100	A1	P 100	A1
JK-JN 55,60,65,75,80,85	3.75			P 50.1	O	P 50.1	O
Kangoo	98	2.08		P 50.1	O	P 50.1	O
Kangoo Express	2.08			P 56.1	O	P 56.1	O
Kerax	1.96	1.06		P 70.2	S1 •	P 70.2	S1 •
Kerax	1.06			P 65.2	S1 •	P 65.2	S1 •
L 62, L 64 (Serie)		78		P 40	K	P 40	K
Magnum	91			P 70.2	T	P 70.2	T
Manager (Serie G)	94			P 60	V1/M1	P 60	V1/M1
Mascott	1.99	6.04		P 60.2	O •	P 60.2	O •
Master	10.82	95		P 60	H2a	P 60	H2a
Master	95	7.98		P 60.2	O	P 60.2	O
Master	7.98	2.10		P 60.2	O •	P 60.2	O •
Master	2.10			P 65.1	O	P 65.1	O
Master (Serie G)	94			P 60V1/M1		P 60V1/M1	
Maxity	3.07			P 50.1	O	P 50.1	O
Messenger ( Serie B)	89			P 60.1	5	P 60.1	5
Midliner (Series S,M)	94	96		P 60V1/M1		P 60V1/M1	
Midlum	1.00			P 60.2	O	P 60.2	O
MS 250	80			P 50.1	O	P 50.1	O
PM, PMH	63			P 40	K	P 40	K
PR (Serie)				P 60	H2a	P 60	H2a
PR 10, 12,14,110				P 60	H2b	P 60	H2b
PR 100,100Ml,180	10.83			P 70	4	P 70	4
PR 100.2	9.88			P 70	4	P 70	4
Premium	1.96	1.06		P 70.2	S1 •	P 70.2	S1 •
Premium II	1.06			P 65.2	S1 •	P 65.2	S1 •
PS 30	10.77			P 50.1	O	P 50.1	O
R 310,R 360, R 370	80			P 50.1	O	P 50.1	O
S 100, S 110, S 130		88		P 60.1	5	P 60.1	5
S 150, S 170		88		P 60.1	5	P 60.1	5
S 170.14, Turbo	82			P 45	O	P 45	O
S 170.15 (Gama)				P 50.1	O	P 50.1	O
S 45GT,53 M, 105 M	65	70		P 40	O	P 40	O
S 5, 6, 7, 8		2.75		P 40	F	P 40	F
S 90,S 130,S 150, S 170	3.75			P 50.1	O	P 50.1	O
S130/11/13/109	82			P 45	O	P 45	O
SB 2, SG 1, SG 2, SG 3	62			P 40	O	P 40	O
SC 10	2.77			P 70	4	P 70	4
Serie D Turbo	83			P 45	O	P 45	O
Serie R	91			P 50.1	O	P 50.1	O
SG 4, SG 5	62			P 40	O	P 40	O
SM 10, SM 12, SM 13	6.75			P 50.1	O	P 50.1	O
SM 170, 200, 240, 250		79		P 50.1	O	P 50.1	O
SM 5,6,7,8	68			P 40	O	P 40	O
S-SP5, S-SP6, S7, S-SP8	3.75			P 50.1	O	P 50.1	O
T 1400 D	91			P 50.1	O	P 50.1	O
T 35 D	91			P 60.1	5	P 60.1	5
T series	13			P 65.3	S2	P 65.3	S2
TAK	66			P 40	K	P 40	K
TBK,TCK,TLM,TLR,TR,TRK	62			P 40	K	P 40	K
TP 2,TP 3, TRB				P 40	O	P 40	O
Tracer	1.91	10.01		P 100	*	P 100	*
Trafic	3.80	3.01		P 50.1	O	P 50.1	O
Trafic	3.01			P 60.2	O	P 53	O
TRM 4000,9000				P 40	O	P 40	O
<b>SANTANA</b>							
Anibal	10.02			P 40	O	P 45	O

SAURER		SAVA		SCANIA		SEAT		SEDDON ATKINSON		SETRA		SOLARIS		SSANGYONG		STEYR-DAIMLER-PUCH	
D90,F,N,D330 B, Cab forw.	1.77			P 60	H2a	P 60	H2a										
Cab forward	1.72			P 40	O	P 40	O										
Stardarbus				P 60	H2a	P 60	H2a										
<b>SAVA</b>																	
211,22,S213,S350 A,400F				P 40	K	P 40	K										
212	76			P 45	K	P 45	K										
D411,D450				P 40	K	P 40	K										
504A,S511,A551				P 40	K	P 40	K										
LDO 5,Cosmos5721,5723	76			P 45	K	P 45	K										
S350A,S400F,S450,S504	76			P 45	K	P 45	K										
<b>SCANIA</b>																	
112	86			P 100	*	P 100	*										
2000,2200,3500	74			P 40	F	P 40	F										
BR 116	79			P 70	4	P 70	4										
BR 85,CR 85 Super	2.73			P 70	4	P 70	4										
C 145	8.71			P 70	4	P 70	4										
City Wide LE				P 101	P2	P 101	P2										
City Wide LF				P 80	A1	P 80	A1										
CN 112,116	84			P 70	4	P 70	4										
CR 145	68	71		P 60.1	5	P 60.1	5										
G,P,R,T82,T92,T112,T142		3.88		P 60.1	5	P 60.1	5										
K 113 CL	9.88			P 70	4	P 70	4										
L,LB,LBS,LBT,LB81,LS86	75	80		P 50.1	O	P 50.1	O										
L,LB,LS,LBS,140,Super		77		P 50.1	O	P 50.1	O										
L,LS140, LT146,146KT	77			P 50.1	O	P 50.1	O										
LS 141	77	80		P 50.1	O	P 50.1	O										
LT 111,Super	75	80		P 50.1	O	P 50.1	O										
OmniCity, OmniLink	9.06			P 80	A2	P 80	A2										
Omniexpress 3.20				P 101	P2	P 101	P2										
OmniLine	99			P 101	P2	P 101	P2										
SERIE 4 (Clase C,D,L,G)	9.96	9.04		P 70.2	T	P 70.2	T										
Serie G, P, R, T	9.04			P 70.2	T	P 70.2	T										
Serie P, R, T	95	9.04		P 60.2	O	P 60.2	O										
Series 3 (93,113,143)	4.88	8.96		P 60.2	O	P 60.2	O										
Tourist	99			P 101	P2	P 101	P2										
<b>SEAT</b>																	
Inca	11.95			P 50.1	O	P 45	O	P 45	O								
Terra	12.86			P 40	O	P 40	O										
Trans	82	12.86		P 40	F/O	P 40	F/O										
<b>SEDDON ATKINSON</b>																	
Strato	9.87			P 56	T	P 56	T										
<b>SETRA</b>																	
Confort Class 400				P 101	P2	P 101	P2										
High Class				P 101	P2	P 101	P2										
Multi Class				P 101	P2	P 101	P2										
<b>SOLARIS</b>																	
Interurbino				P 100	A1	P 100	A1										
Urbino				P 80	A1	P 100	A1										
<b>SSANGYONG</b>																	
Musso Sports Pick-Up	2.04			P 50.1	O	P 45	O										
<b>STEYR-DAIMLER-PUCH</b>																	
145,791	11.78			P 50.1	O	P 50.1	O										

• montar con KIT 136 - mount with KIT 136 - monter avec le KIT 136 - mit KIT 136 montieren

\* montar adaptador A1, A2, A3 o A4 según brazo - fit A1, A2, A3 or A4 depending on arm - monter adaptateur A1, A2, A3 ou A4 selon bras - Je nach Wischerarm A1, A2, A3 oder A4 montieren

Trucks		Buses		Vans		Trucks		Buses		Vans	
1490,1890	1.74	P 50.1	O	P 50.1	O						
1891,2891	80	P 50.1	O	P 50.1	O						
19 S 24-40 S 37	87	P 50.1	O	P 50.1	O						
590,591,690,691		P 45	O	P 45	O						
591,691	84 5.86	P 50.1	O	P 50.1	O						
790,890,990,1290,1390	1.74	P 50.1	O	P 50.1	O						
791,891,991,1291,1491	80	P 50.1	O	P 50.1	O						
9 S 14-16 S 21	86	P 50.1	O	P 50.1	O						
City Bus CS 6 F 55	1.75	P 70	4	P 70	4						
Pinzgauer Veh. (4x4)		P 45	O	P 45	O						
<b>SUSUNDEGUI</b>											
Astral		P 101	P2	P 101	P2						
B9R Elegance		P 101	P2	P 101	P2						
SC7		P 101	P2	P 101	P2						
Sideral		P 101	P2	P 101	P2						
<b>SUZUKI</b>											
Carry	5.99	P 40	O	P 40	O						
<b>TATRA</b>											
613	76	P 40	F	P 40	F						
<b>TEMSA</b>											
Avenue LF		P 100	A1	P 100	A1						
Safari HD		P 100	A1	P 100	A1						
Safari RD		P 100	A1	P 100	A1						
Safari RD IC		P 100	A1	P 100	A1						
Tourmalin IC		P 90.1	P2	P 90.1	P2						
<b>TITAN</b>											
TF 3000 (10X8)		P 60.1	5	P 60.1	5						
<b>TOYOTA</b>											
Dyna	95	P 40	O	P 40	O						
Dyna, Hi Ace, Hilux, Lit Ace	79	P 40	F	P 40	F						
Hiace	95 12.02	P 50.1	O	P 50.1	O						
Hiace	12.02	P 53	O	P 53	O						
Hilux	1.97 2.02	P 40	O	P 40	O						
Hilux	8.05	P 53	O	P 45	O						
<b>UNIC</b>											
619,697	8.77	P 60	H2a	P 60	H2a						
<b>UNVI</b>											
Cimo		P 101	P2	P 101	P2						
Urbis		P 101	P2	P 101	P2						
<b>URO</b>											
TT U 12, TT U 14		P 45	O	P 45	O						
<b>VAN HOOL</b>											
A308	98	P 90	A2	P 90	A2						
A320	00	P 90	A2	P 90	A2						
Alizée T 815	86	P 100	*	P 100	*						
Astromega TD 824	86	P 100	*	P 100	*						
Astromega TD 917	00	P 100	A1	P 100	A1						
EOS200, EOS230	96	P 80	A2	P 80	A2						
EOS233	96 99	P 80	A2	P 80	A2						
EOS80	98	P 56	T	P 56	T						

Trucks		Buses		Vans		Trucks		Buses		Vans	
Sion		P 90	*	P 90	*						
Standarbus		P 60	H2a	P 60	H2a						
T9	96	P 100	A1	P 100	A1						
<b>VDL</b>											
Citea LLE-120		P 101	P2	P 101	P2						
Citea SLF-120		P 101	P2	P 101	P2						
Futura		P 100	A1	P 100	A1						
Jonckheere		P 101	P2	P 101	P2						
Synergy (Lower blade)		P 80	A1	P 80	A1						
<b>VOLGA BUS</b>											
Rhythmix		P 80	A1	P 80	A1						
<b>VOLKSWAGEN</b>											
6.90 F -10150 FK	9.79	P 50.1	O	P 50.1	O						
Amarok	9.10	P 60.2	O	P 56.1	O						
Bully		83	P 50.1	O	P 50.1	O					
Caddy	11.95 3.04	P 50.1	O	P 45	O						
Caravelle	95 7.03	P 53	O	P 53	O					P 40	O
Caravelle	7.03	P 60.2	O	P 60.2	O						
Constellation	9.05	P 60.2	O	P 60.2	O						
Danbury	80	P 45	O	P 45	O						
LT	11.82 4.96	P 45	O	P 45	O						
LT	4.96	P 60.2	O	P 56.1	O						
LT 28-LT 55	4.75 11.82	P 50.1	O	P 50.1	O						
Transp. Bus	8.67 2.79	P 40	O	P 40	O						
Transp. Bus	3.79	P 45	O	P 45	O						
Transporter	7.03	P 60.2	O	P 60.2	O						
<b>VOLVO</b>											
5000, 7000	98	P 100	A1	P 100	A1						
611,613,614,616	9.75 85	P 60.1	5	P 60.1	5						
7000	02	P 100	A1	P 100	A1						
7700	6.06	P 100	A1	P 100	A1						
8500	1.99	P 100	A1	P 100	A1						
9500		P 101	P2	P 101	P2						
9700	4.01	P 101	P2	P 101	P2						
9900	01	P 101	P2	P 101	P2						
B 10 M, B 12		P 80	*	P 80	*						
B 10 M/C 10 M	86	P 100	*	P 100	*						
BM,LM,845-1240		P 40	K	P 40	K						
CH 230		P 60.1	5	P 60.1	5						
F 406,407,408,409	9.75 85	P 60.1	5	P 60.1	5						
F 609,610	9.75 85	P 60.1	5	P 60.1	5						
F 6,F 7,F 10,F 12,F 16	8.77 12.94	P 60.1	5	P 60.1	5						
F 85, 86, 88, 89	8.72	P 45	O	P 45	O						
F, FB 86	6.70 7.72	P 40	K	P 40	K						
F, FB 86	73	P 45	O	P 45	O						
F, FB 88,F 89,G 88,G 89	9.75	P 45	O	P 45	O						
FE	5.06	P 65.1	O	P 65.1	O						
FH	8.93	P 65.2	T	P 65.2	T						
FL	9.85 9.95	P 60	H2a	P 60	H2a						
FL	9.95 3.00	P 60	M1	P 60	V1						
FL	3.00 5.06	P 60.2	O	P 60.2	O						
FL II	5.06	P 60.2	O	P 60.2	O						
FLC	9.96 9.00	P 60	M1	P 60	V1						
FM	8.98	P 65.2	T	P 65.2	T						
N 7 (4X2), Turbo 6	80	P 40	O	P 40	O						
N 7, N 10, N 12	74	P 40	O	P 40	O						
N,NB 86		8.73	P 45	O	P 45	O					



P40		400mm 16"					
<b>BEDFORD</b>							
3-12t	79			O	O		
K	79			O	O		
TK	76			O	O		
<b>BERNA</b>							
Cab forward	1.72			O	O		
<b>CITROËN</b>							
480 DI				K	K		
700 DI				K	K		
800 DI				K	K		
<b>DAF</b>							
2005	74			O	O		
2200	74			O	O		
2205	74			O	O		
<b>DAIHATSU</b>							
F 20 Taff	78			F	F		
<b>DODGE</b>							
415	71			F	F		
CE 16	72			F	F		
Maxiload VC 4	72			F	F		
Space Van	79			F	F		
VCc 8	72			F	F		
WCAS 541	71			F	F		
WCFS 562	71			F	F		
<b>EBRO</b>							
Series C,D,E	78			F	F		
<b>GME</b>							
Rascal	89			O	O		
<b>HANOMAG-HENSCHEL</b>							
F 20,25,30,35		2.74		O	O		
<b>HYUNDAI</b>							
H-1	10.97	2.08					O
<b>IPV (MAFSA)</b>							
85 TT				F	F		
110 TT				F	F		
<b>IVECO (Fiat, Magirus, OM)</b>							
40 NC, 40 NC 35	77			F	F		
80.14 HW,8016 HW,110.14	83	94		O	O		
Diano,Cerbiatto,Orsotto				F	F		
Eikher Schiepper	8.75			F	F		
<b>Lupetto, Titano N 150</b>							
				K	K		
M 110 D, M 120 D		8.75		K	K		
M 80 D, M 100 D		8.75		K	K		
NS 150				K	K		
<b>KÄSSBOHRER-SETRA</b>							
Pistenbully	10.80			K	K		
<b>LEYLAND</b>							
7/10 CWT Van	72			F	F		
<b>MAN-BÜSSING</b>							
4.70F,6.90F,5.70F,7.90F	79			O	O		
7.136 F,9.136 F	79	86		O	O		
<b>MAZDA</b>							
E 200	84			F	F		
T 2500,T 3000	81			F	F		
<b>MERCEDES BENZ</b>							
206,207,306,307	1.71	7.77		O	O		
U 45,52,54,55,60,66,72,80	4.66	12.76		K	K		
U 600,U 800	1.77			K	K		
U 90,125	5.69	3.77		K	K		
U 900,1000,1100		87		K	K		
<b>MITSUBISHI</b>							
Canter	80	95		F	F		
Fuso	76			F	F		
L200, L 300	80			F	F		

P45		450mm 18"					
<b>NISSAN-EBRO</b>							
NV200	2.10					O	
Vanette	6.81	10.86		F	F		
Vanette Cargo	1.95						O
<b>OPEL</b>							
Combo	10.01					O	
<b>PEGASO</b>							
1061,1063,1064				K	K		
1066,2011,2040				K	K		
2041,3060,3075				K	K		
217,415,515	85			F	F		
<b>PEUGEOT</b>							
Expert	95	1.07					O
J 7, J 9	74			O/F	O/F		
Partner	9.96	4.08					O
<b>RENAULT TRUCKS</b>							
GAK,GB 0	61			K	K		
GBC,8,8 M 3	65	71		K	K		
GBE,GBH,GBK,GCK,GFK10	68	74		K	K		
GL,GLC,GLM,GLR	62	75		K	K		
L 62, L 64 (Serie)		78		K	K		
PM, PMH	63			K	K		
S 45GT,53 M, 105 M	65	70		O	O		
S 5, 6, 7, 8		2.75		F	F		
SB 2, SG 1, SG 2, SG 3	62			O	O		
SG 4, SG 5	62			O	O		
SM 5,6,7,8	68			O	O		
TAK	66			K	K		
TBK,TCK,TLM,TLR,TR,TRK	62			K	K		
TP 2, TP 3, TRB				O	O		
TRM 4000,9000				O	O		
<b>SANTANA</b>							
Anibal	10.02			O			
<b>SAURER</b>							
Cab forward	1.72			O	O		
<b>SAVA</b>							
211,22,S213,S350 A,400 F				K	K		
D411,D450,504A,S511,A551				K	K		
<b>SCANIA</b>							
2000,2200,3500	74			F	F		
<b>SEAT</b>							
Terra	12.86			O	O		
Trans	82	12.86		F/O	F/O		
<b>SUZUKI</b>							
Carry	5.99			O	O		
<b>TATRA</b>							
613	76			F	F		
<b>TOYOTA</b>							
Dyna	95			O	O		
Dyna,Hi Ace,Hilux,Lit Ace	79			F	F		
Hilux	1.97	2.02		O	O		
<b>VOLKSWAGEN</b>							
Caravelle	95	7.03					O
Transp. Bus	8.67	2.79		O	O		
<b>VOLVO</b>							
BM,LM,845-1240				K	K		
F, FB 86	6.70	7.72		K	K		
N 7 (4X2), Turbo 6	80			O	O		
N 7, N 10, N 12	74			O	O		
<b>AVIA</b>							
1600				O	O		
3600				O	O		
5600				O	O		

• montar con KIT 136 - mount with KIT 136 - monter avec le KIT 136 - mit KIT 136 montieren

\* montar adaptador A1, A2, A3 o A4 según brazo - fit A1, A2, A3 or A4 depending on arm - monter adaptateur A1, A2, A3 ou A4 selon bras - Je nach Wischerarm A1, A2, A3 oder A4 montieren

<b>BEDFORD</b>				
Astra-Van	84		O	O
Midi Van	7.85		O	O
<b>CITROËN</b>				
C 15	84		O	O
<b>DODGE</b>				
Cab forward			O	O
<b>EBRO</b>				
D 154	71		K	K
E 35 F			O	O
E 60 F			O	O
E 154	78		O	O
L 35, L 45	80		O	O
L 60, L 80	80		O	O
<b>FIAT</b>				
Dobló Cargo	3.01	2.10		O
Fiorino	1.88	5.01	O	O
Strada	6.99			O
<b>FORD</b>				
Ranger	6.99		O	O
Transit	7.00			O
<b>GME</b>				
Midi	89		O	O
<b>HANOMAG-HENSCHEL</b>				
F 40,F 85	71	74	O	O
<b>HYUNDAI</b>				
H 100	95		O	O
<b>IPV (MAFSA)</b>				
4 T 115			O	O
177 T			O	O
180 R			O	O
UT 115			O	O
<b>ISUZU</b>				
D-MAX (Rodeo)	5.02			O
NKR, NPR, NGR	98	10.06	O	O
N-Series	10.06		O	O
<b>IVECO (Fiat, Magirus, OM)</b>				
50 F 8,100 F13	4.78		O	O
50,55,65,70,75	8.77		O	O
60,79F10.13,65,75,90PC	5.76		O	O
60/8,65/60.10	83		O	O
65 NC 10	80		O	O
65/10,79/10,79/12	83		O	O
79.75/14,90/13,95/14	83		O	O
79/14,79/60,79/60.14	83		O	O
79/75,79/75.10	83		O	O
80,90,100,170 C/N/L	8.77		O	O
109/14,109/14.1	83		O	O
115/14,115/14.1	83		O	O
115/17,115/17.1	83		O	O
130, Serie160(O.M.)	83		O	O
135/14,135/14.2,135/14BOM	83		O	O
135/17,135/17.2,135/17R.R	83		O	O
135/17.R 1 RIDEM	83		O	O
145/17	86		O	O
159 F 177,20,160 F	4.78		O	O
165/24,165/.R.R. 1	83		O	O
170 NT,170 OM 35	75		O	O
175/04,175/17	86		O	O
180,190,260,4 A,C,N,L,T	77		O	O
<b>KIA</b>				
Besta	95		O	O
K-2500	02			O
Pregio	10.96			O
<b>MAN-BÜSSING</b>				
6.100,8.100,8.150	9.88		O	O
9.150,10.150	80	95	O	O
Serie G 90	91		O	O
<b>MAZDA</b>				
B-2500	6.99		O	O

Series B,E	95		O	O
<b>MERCEDES BENZ</b>				
206,207,306,307	3.73	7.77	O	O
MB 150,170,180		86	O	O
MB 90,100,130,140		86	O	O
<b>MICROTRUCKS</b>				
UFO			O	O
<b>MITSUBISHI</b>				
L200	10.96	11.05	O	O
L200	11.05			O
<b>NISSAN-EBRO</b>				
Cabstar	10.98	10.06	O	O
Mods. L			O	O
Navara	10.04			O
NP300	5.08		O	O
Pick-Up	1.97	10.04	O	O
Vanette	10.86	1.95	O	O
<b>OPEL</b>				
Corsa Combo	95		O	O
<b>PEGASO</b>				
Buses 5023,5031			K	K
Buses 5062,5080			K	K
<b>RENAULT TRUCKS</b>				
D 170.14,D170.17,D210.20			O	O
D230.20,D230.26,D270.34			O	O
D270 T, D320.34,D320.37			O	O
D320.38,D320 T			O	O
Express	92		O	O
S 170/14, Turbo	82		O	O
S130/11/13/109	82		O	O
Serie D Turbo	83		O	O
<b>SANTANA</b>				
Anibal	10.02			O
<b>SAVA</b>				
LDO 5,Cosmos5721,5723	76		K	K
S350A,S400F,S450,S504,212	76		K	K
<b>SEAT</b>				
Inca	11.95			O
<b>SSANGYONG</b>				
Musso Sports Pick-Up	2.04			O
<b>STEYR-DAIMLER-PUCH</b>				
590,591,690,691			O	O
Pinzgauer Veh. (4x4)			O	O
<b>TOYOTA</b>				
Hilux	8.05			O
<b>URO</b>				
TT U 12, TT U 14			O	O
<b>VOLKSWAGEN</b>				
Caddy	11.95	3.04		O
Danbury	80		O	O
LT	11.82	4.96	O	O
Transp. Bus	3.79		O	O
<b>VOLVO</b>				
F 85, 86, 88, 89	8.72		O	O
F, FB 86	73		O	O
F, FB 88,F 89,G 88,G 89	9.75		O	O
N,NB 86		8.73	O	O
<b>P50.I</b> 500mm 20"				
<b>AEBI</b>				
TP 27			O	O
TP 45			O	O
TP 65			O	O

<b>AVIA</b>				
1000			0	0
1250			0	0
2000			0	0
<b>BEDFORD</b>				
Serie TK	78		0	0
<b>CITROËN</b>				
C 22	9.81		0	0
C 25	9.81		0	0
C 35	9.81		0	0
Jumpy	6.94			0
<b>DAF</b>				
1100 DD	10.75	12.78	0	0
1700	9.88		0	0
1900	9.88		0	0
2100	80		0	0
2105	9.88		0	0
2300	80		0	0
2300 Turbo	91		0	0
2305	9.88		0	0
2500 Turbo	80		0	0
2505	9.88		0	0
2525	9.88		0	0
2700 Ati	91		0	0
2800	86		0	0
2805	9.88		0	0
2900	91		0	0
3300	91		0	0
3600 Turbo	86		0	0
700 DE	10.75	12.78	0	0
900 DD	10.75	12.78	0	0
DE	10.75	12.78	0	0
Serie 400	86	97	0	0
<b>EBRO</b>				
F 260	80		0	0
F 275	80		0	0
F 350	80		0	0
JX 20 Trade 2.0	86		0	0
JX 20 Trade 2.8	86		0	0
M 100, M 125, M 140	80		0	0
P 137, P 170	80		0	0
P 200, P 260	80		0	0
P 320	80		0	0
<b>FEND</b>				
F 275 GT	1.76		0	0
<b>FIAT</b>				
Ducato	3.94	7.06	0	0
Scudo	2.96			0
<b>FORD</b>				
FT 9, FT 190	8.75	1.78	0	0
Serie A	1.78		0	0
Transit Connect	6.02			0
Transit FT9,80,100,130,190	1.77	10.86	0	0
<b>FREIGHT-ROVER</b>				
Serie 300	86		0	0
<b>HANOMAG-HENSCHEL</b>				
F 141-F500	10.72		0	0
F 161-F203	10.72		0	0
F 161	10.72		0	0
K-F 221 K	10.72		0	0
Transported TN	8.76		0	0
<b>HYUNDAI</b>				
H-1	10.97	2.08		0
<b>ISUZU</b>				
F-Series (FVR)	08		0	0
<b>IVECO (Fiat, Magirus, OM)</b>				
120 D,135 D,160 D,170 D		12.74	0	0
156 D,180 D,186 D,210 D		12.70	0	0

280 avant	1.81		0	0
90M,130M,160M,320M		12.78	0	0
Ducato	1.82	5.94	0	0
Taleno	89		0	0
<b>KÄSSBOHRER</b>				
Flexmobil	85		0	0
S 80,110,120,130,150		8.77	0	0
S 9-S 14,S80-S 150	10.87		0	0
<b>MACK</b>				
MS 200, 300 Midliner	79		0	0
<b>MAN-BÜSSING</b>				
6.90,8.90,8.136 FZ	80	93	0	0
12.170 F, 14.192 F	85		0	0
12.192 F	8.74		0	0
17.240,19.240,19.281	9.88		0	0
19.321,26.240,26.281	9.88		0	0
19.361 F,FLT, 41.321/VFAK	85		0	0
32.281,32.321	9.88		0	0
32.291,DFAK,32.331 DFA	86		0	0
Cab forward	9.88		0	0
L 2000	95		0	0
LE	9.00		0	0
<b>MERCEDES BENZ</b>				
207 D,208,307 D,308	5.77	82	0	0
209 D,309 D,407 D,408 D	83		0	0
210,310	82		0	0
219 L	76		0	0
307 D,407 D,409 D	85		0	0
409 D,410	83		0	0
608 D,0309	85		0	0
613 D		85	0	0
813,913		84	0	0
1013 L,1113,1213	76	84	0	0
1619 L		77	0	0
MB 100,120,140,160,180 D	87	96	0	0
MB Trac 700,800,900	81		0	0
O 309 D, L 406 D, L 407 D	11.74		0	0
Series 300 d, 400 d	91		0	0
U 1000, U 1100, U 1250	2.76		0	0
U 1300, U 1500, U 1700	2.76		0	0
U 80-1700 L			0	0
U 84,100,110,508 D	5.69	12.76	0	0
<b>MITSUBISHI</b>				
Canter (Standard cab)	95		0	0
<b>NISSAN-EBRO</b>				
Cabstar	10.06		0	0
ECO-T (100,135)	96		0	0
Kubistar	11.03		0	0
Mods. M, Trade 2.0, 2.8			0	0
<b>OPEL</b>				
Combo	10.01		0	0
<b>ORENSTEIN &amp; KOPPEL</b>				
2082,2089,2135	85		0	0
<b>PEGASO</b>				
100.35, space cab, 100.50			0	0
1080,1083,1086	85		0	0
1135,1145,1180	85		0	0
1183,1184,1186	85		0	0
1187,1190,2080	85		0	0
1214,1216,1217	85		0	0
1215.9,COMBI 75.28			0	0
1223,1231,1234	85		0	0
1234 R,1331,1431	85		0	0
1434,2217,2323	85		0	0
2180,2181,2182	85		0	0
2189,2190,3088	85		0	0
2331,2431	85		0	0
3180,3181,3188,3189	85		0	0
Ekus	86		0	0




• montar con KIT 136 - mount with KIT 136 - monter avec le KIT 136 - mit KIT 136 montieren




\* montar adaptador A1, A2, A3 o A4 según brazo - fit A1, A2, A3 or A4 depending on arm - monter adaptateur A1, A2, A3 ou A4 selon bras - Je nach Wischerarm A1, A2, A3 oder A4 montieren



Modelo	Longitud (mm)	Longitud (mm)	Longitud (mm)	Longitud (mm)
Van 75.32,1210.6			0	0
Van Capitone 75.35			0	0
Mider	91		0	0
<b>PEUGEOT</b>				
Expert	95			0
J 5	82		0	0
<b>RENAULT TRUCKS</b>				
260,280,300,320,340		79	0	0
90,95,J,S,C (Serie)	3.75		0	0
90B,130B,140B,150B-T3			0	0
DR340.20,DR340.26,DR340,3			0	0
DR340.38,DR340 T			0	0
JK-JN 55,60,65,75,80,85	3.75		0	0
Kangoo	98	2.08	0	0
Maxity	3.07		0	0
MS 250	80		0	0
PS 30	10.77		0	0
R 310,R 360, R 370	80		0	0
S 170.15 (Gama)			0	0
S 90,S 130,S 150, S 170	3.75		0	0
Serie R	91		0	0
SM 10, SM 12, SM 13	6.75		0	0
SM 170,200,240,250		79	0	0
S-SP5,S-SP6,S7,S-SP8	3.75		0	0
T 1400 D	91		0	0
Trafic	3.80	3.01	0	0
<b>SCANIA</b>				
L,LB,LBS,LBT,LB81,LS86	75	80	0	0
L,LB,LS,LBS,140,Super		77	0	0
L,LS140, LT146,146KT	77		0	0
LS 141	77	80	0	0
LT 111,Super	75	80	0	0
<b>SEAT</b>				
Inca	11.95		0	
<b>SSANGYONG</b>				
Musso Sports Pick-Up	2.04		0	
<b>STEYR-DAIMLER-PUCH</b>				
9 S 14-16 S 21	86		0	0
19 S 24-40 S 37	87		0	0
145,791	11.78		0	0
591,691	84	5.86	0	0
790,890,990,1290,1390	1.74		0	0
791,891,991,1291,1491	80		0	0
1490,1890	1.74		0	0
1891,2891	80		0	0
<b>TOYOTA</b>				
Hiace	95	12.02	0	0
<b>VOLKSWAGEN</b>				
6.90 F -10150 FK	9.79		0	0
Bully		83	0	0
Caddy	11.95	3.04	0	
LT 28-LT 55	4.75	11.82	0	0
<b>P53 530mm 21"</b>				
<b>KIA</b>				
K-2500	02		0	
Pregio	10.96		0	
<b>MERCEDES BENZ</b>				
Zetros	9.08		0	0
<b>MITSUBISHI</b>				
Canter (Wide Cab)	04		0	0
Fuso Supergreat	96		0	0
<b>OPEL</b>				
Vivaro Combi	8.01			0

Modelo	Longitud (mm)	Longitud (mm)	Longitud (mm)	Longitud (mm)
<b>RENAULT TRUCKS</b>				
Trafic	3.01			0
<b>TOYOTA</b>				
Hiace	12.02		0	0
Hilux	8.05		0	
<b>VOLKSWAGEN</b>				
Caravelle	95	7.03	0	0
<b>P56 560mm 22"</b>				
<b>DAF</b>				
95310	4.97	5.91	T	T
95400	4.87	5.91	T	T
XF	1.97		V1	V1
<b>PEGASO</b>				
Troner	9.87	6.95	T	T
<b>SEDDON ATKINSON</b>				
Strato	9.87		T	T
<b>VAN HOOL</b>				
EOS80	98		T	T
<b>P56.I 560mm 22"</b>				
<b>CITROËN</b>				
Berlingo Van	9.96	4.08	0	0
Jumper	5.95	4.96	0	0
<b>FIAT</b>				
Dobló Cargo	3.01	2.10	0	
<b>FORD</b>				
Transit	9.85	7.00	0	0
Transit Connect	6.02		0	0
Transit Tourneo	11.94	12.00	0	0
<b>FREIGHTLINER</b>				
Business Class			0	0
<b>ISUZU</b>				
D-MAX (Rodeo)	5.02		0	
F-Series (FRR, FSR)	08		0	0
<b>LDV</b>				
Maxus	2.05		0	0
<b>MERCEDES BENZ</b>				
Sprinter	95	5.06		0
Vito	2.96	7.03		0+136
<b>MITSUBISHI</b>				
Canter (Wide Cab)	95	04	0	0
L200	11.05		0	
<b>NISSAN-EBRO</b>				
Atleon (3.5T-8T)	9.00			0
NV200	2.10		0	
<b>PEUGEOT</b>				
Boxer	95	4.06	0	0
Partner	9.96	4.08	0	0
<b>RENAULT TRUCKS</b>				
Kangoo Express	2.08		0	0
<b>VOLKSWAGEN</b>				
Amarok	9.10			0
LT	4.96			0

  				
<b>P 60</b> 600mm 24"				
<b>AUWÄRTER</b>				
Economy 0614	89		V1	V1
<b>BEDFORD</b>				
Serie TM (D-Kab)	74		H2b	H2b
<b>BERNA</b>				
Cab forward	1.77		H2a	H2a
<b>DAF</b>				
75	9.95	98	V1	V1
85	9.95		V1	V1
700 DE	1.79		H2a	H2a
900	85		H2a	H2a
900 DE	1.79		H2a	H2a
1100 DD	1.79		H2a	H2a
1300 Turbo	86		H2a	H2a
1500 Turbo	85		H2a	H2a
CF	2.98	12.00	V1	V1
CF	1.01		V1	V1
FA 1500 DT	85		H2a	H2a
<b>DODGE</b>				
G 75	76	77	H2b	H2b
G 76	76	77	H2b	H2b
Comando	74		H2b	H2b
Serie 100	74		H2b	H2b
serie 100 s	82		H2a	H2a
<b>FORD</b>				
0711, 0813, 0915			H2b	H2b
1013, 1015			H2b	H2b
1113, 1115			H2b	H2b
1313, 1315, 1318			H2b	H2b
1318 R			H2b	H2b
4028	9.88		H2b	H2b
Cargo 1824,1924,1928,2624	9.88		H2b	H2b
Cargo 07009			H2b	H2b
Serie H Trancount	76		H2b	H2b
Transit	7.00			V1
<b>IVECO (Fiat, Magirus, OM)</b>				
13,16-65/10,75/16	83		H2a	H2a
26 N,26 Turbo,30,32 AH	83		H2a	H2a
33 T,38,42,42 T	83		H2a	H2a
36 42, Cab forward	9.88		H2a	H2a
79/14,80/13,M 100	83		H2a	H2a
90M,M6 FK,160M 13 FS	1.79		H2a	H2a
135/17,145/17T, cab forward	9.88		H2a	H2a
170 F NT,330 F 35	77		H2a	H2a
170 OM 35	5.79		H2a	H2a
175/04, 24 T, cab forward	9.88		H2a	H2a
190 F, PAC	77		H2a	H2a
190 OM 35 T	5.79		H2a	H2a
220/36 T cab forward.,38,38T	9.88		H2a	H2a
232/AHT	83		H2a	H2a
240/36 Turbo star	9.88		H2a	H2a
260/25,AH,AN,26H,32AH	83		H2a	H2a
260/30,330/30T, cab forward	9.88		H2a	H2a
305GT,308L,480AL,AC	8.77		H2a	H2a
310 D,470	78		H2a	H2a
320 M	1.79		H2a	H2a
330/30 T Cab forward	9.88		H2a	H2a
330/36 AHT	83		H2a	H2a
480 AC/AL,M120R	78		H2a	H2a
619,684,697	8.77		H2a	H2a
M 130 D, M 160 D, M 170 D	9.77		H2a	H2a
M 232 D, M 256 D	9.77		H2a	H2a
M 270 D	9.77	6.78	H2a	H2a
<b>KÄSSBOHRER</b>				
S 130 S,140 ES	1.77		H2a	H2a

  				
<b>LEYLAND</b>				
19/28 Roadtrain	84		H2b	H2b
26-26 Scammel	84		H2b	H2b
Atlanteam Bus	77		H2b	H2b
Bison 2, Optopus 2	78		H2b	H2b
Cruiser, Freighter	80		H2b	H2b
Ladtrain, Olimpia	80		H2b	H2b
Marathon, Marathon 2	74		H2b	H2b
National, Triton	77		H2b	H2b
Roadtrain, Construct.	80		H2b	H2b
Rolls Royce T 350	84		H2b	H2b
T 45, T 45 T	84		H2b	H2b
<b>MAN-BÜSSING</b>				
12.152 FL-17.232 FL (M90)	10.88	96	T	T
19.242-48.462 (F90)	86	94	T	T
E 2000	5.00		T	T
F 2000	95		T	T
LE Lowentry	9.04		H2b	H2b
NH 283	00		T	T
<b>MERCEDES BENZ</b>				
1618	95		H2a	H2a
1633 S,1933 S,1938 S,2233	9.80		H2a	H2a
1938 S-3850 AS	85		H2a	H2a
City Liner 809...1524	9.95		V1	V1
Econic	3.98		T	T
O 301-LN 2	85	5.86	T	T
O 301-LN 2	6.86		V1	V1
O 614 D	89		V1	V1
S, 2238, S, 2633, 2638	9.80		H2a	H2a
Serie LK (507 D- 817 D)	6.86	98	V1	V1
Serie LK (709 D- 1520 D)	6.86		V1	V1
Series LK, LN (709-1320)	6.84	8.86	T	T
Vario	9.96		V1	V1
<b>RENAULT TRUCKS</b>				
B 70	10.82		H2a	H2a
Cruiser 2,3,SGMV 6			H2b	H2b
DG 290-T			H2a	H2a
E 7 C,L,M,N	5.77		H2a	H2a
FB/FC 30 Van	10.79		H2a	H2a
G 45, G 105			H2a	H2a
Manager (Serie G)	94		V1/M1	V1/M1
Master	10.82	95	H2a	H2a
Master (Serie G)	94		V1/M1	V1/M1
Midliner (Series S,M)	94	96	V1/M1	V1/M1
PR (Serie)			H2a	H2a
PR 10, 12,14,110			H2b	H2b
<b>SAURER</b>				
D90,F,N,D330 B, Cab forward	1.77		H2a	H2a
Stardarbus			H2a	H2a
<b>UNIC</b>				
619,697	8.77		H2a	H2a
<b>VAN HOOL</b>				
Standarbus			H2a	H2a
<b>VOLVO</b>				
FL	9.85	9.95	H2a	H2a
FL	9.95	3.00	M1	V1
FLC	9.96	9.00	M1	V1
<b>P 60.I</b> 600mm 24"				
<b>IVECO (Fiat, Magirus, OM)</b>				
Duty	91		5	5
M 130 D, M 160 D	1.75		5	5
M 170 D, M 310 D	1.75		5	5
M 232 D	1.71	12.74	5	5
M 270 D	1.75	6.78	5	5

• montar con KIT 136 - mount with KIT 136 - monter avec le KIT 136 - mit KIT 136 montieren

\* montar adaptador A1, A2, A3 o A4 según brazo - fit A1, A2, A3 or A4 depending on arm - monter adaptateur A1, A2, A3 ou A4 selon bras - Je nach Wischerarm A1, A2, A3 oder A4 montieren

<b>MERCEDES BENZ</b>				
509 D,609 D,709 D,809 D	86		5	5
709,711 D,809,811 D			5	5
814,817,914,1114	84		5	5
1117,1314	84		5	5
1320 L-S	85		5	5
L-Q 310	80		5	5
O 310	80		5	5
<b>PEGASO</b>				
Duty	91		5	5
<b>RENAULT TRUCKS</b>				
Messenger ( Serie B)	89		5	5
S 100, S 110, S 130		88	5	5
S 150, S 170		88	5	5
T 35 D	91		5	5
<b>SCANIA</b>				
CR 145	68	71	5	5
G,P,R,T82,T92,T112,T142		3.88	5	5
<b>TITAN</b>				
TF 3000 (10X8)			5	5
<b>VOLVO</b>				
611,613,614,616	9.75	85	5	5
CH 230			5	5
F 406,407,408,409,609,610	9.75	85	5	5
F 6,F 7,F 10,F 12,F 16	8.77	12.94	5	5
<b>P60.2</b> 600mm 24"				
<b>BMC</b>				
Megastar	04			0
<b>DAF</b>				
LF	1.01		0	0
<b>DODGE</b>				
Express	82		0	0
Serie 100	79		0	0
<b>ERF</b>				
Couchette			0	0
EC Olimpic			0	0
<b>FIAT</b>				
Strada	6.99		0	
<b>FREIGHTLINER</b>				
Cascadia			0	0
<b>IVECO (Fiat, Magirus, OM)</b>				
Daily I	1.78	4.99	0	0
Daily II	5.99	4.06	0	0
Daily III	5.06		0	0
<b>MERCEDES BENZ</b>				
Sprinter	95	5.06	0	
Vito	2.96	7.03	0	•
<b>NISSAN-EBRO</b>				
Atleon (3.5T-8T)	9.00		0	
Atleon (9.5T-15T)	9.00		0	0
Interstar	7.02	10.11	0	•
Navara	10.04		0	
Vanette Cargo	1.95		0	0
<b>OPEL</b>				
Movano	7.98	4.10	0	•
Vivaro Combi	8.01		0	
<b>PEUGEOT</b>				
Expert	95	1.07	0	
<b>RENAULT TRUCKS</b>				
Mascott	1.99	6.04	0	•
Master	7.98	2.10	0	•

Master	95	7.98	0	0
Midlum	1.00		0	0
Trafic	3.01		0	
<b>SCANIA</b>				
Serie P, R, T	95	9.04	0	0
Series 3 (93,113,143)	4.88	8.96	0	0
<b>VOLKSWAGEN</b>				
Amarok	9.10		0	
Caravelle	7.03		0	0
Constellation	9.05		0	0
LT	4.96		0	
Transporter	7.03		0	0
<b>VOLVO</b>				
FL	3.00	5.06	0	0
FL II	5.06		0	0
<b>P65</b> 650mm 26"				
<b>IVECO (Fiat, Magirus, OM)</b>				
180.24-240.38			4	4
190.220,240.30	1.83		4	4
190.35,190 F 35 T			4	4
190/20 N,24,25 AN	83		4	4
190/24,26 T,30,32 T	9.88		4	4
220.35 T,240.35			4	4
240.38,260,330.35	1.83		4	4
300 P			4	4
NKW 80/13,80/16	82		4	4
Turbo	81	7.84	4	4
TurboStar, TurboTech	7.84	12.93	4	4
<b>KÄSSBOHRER</b>				
PB 36.170 DR-39, 170 DR	11.81		4	4
Pistenbully	10.80		4	4
<b>ORENSTEIN &amp; KOPPEL</b>				
Radiader			4	4
<b>P65.1</b> 650mm 26"				
<b>BMC</b>				
Megastar	04		0	
Professional	08		0	0
<b>CITROËN</b>				
Jumpy	6.94	1.07	0	
<b>FIAT</b>				
Scudo	2.96	1.07	0	
<b>HYUNDAI</b>				
H-1	10.97	2.08	0	
<b>NISSAN-EBRO</b>				
NV400	10.11		0	0
<b>OPEL</b>				
Movano	4.10		0	0
<b>RENAULT TRUCKS</b>				
Master	2.10		0	0
<b>VOLVO</b>				
FE	5.06		0	0
<b>P65.2</b> 650mm 26"				
<b>IVECO (Fiat, Magirus, OM)</b>				
EuroCargo	1.91		T	T



Trucks		Buses		Tractors	
Eurostar	1.93	2.02	T	T	
Eurotech	1.92	2.02	T	T	
EuroTrakker	1.93	11.04	T	T	
PowerStar			T	T	
Stralis	2.02		T	T	
Trakker	10.04		T	T	
<b>MERCEDES BENZ</b>					
2031,3350, Fredliner	95		T	T	
3336 ( Typ 641/649 )	89		T	T	
Atego	1.98	10.04	V1	V1	
Atego II	10.04		V1	V1	
Axor	9.01	10.04	V1	V1	
Axor II	10.04		V1	V1	
Powerliner 1820-1834	95		T	T	
Roadliner, Proliner	95		T	T	
Serie SK 1013	89	96	T	T	
Vito	7.03	8.05		V1	•
<b>RENAULT TRUCKS</b>					
Kerax	1.06		S1	S1	•
Premium II	1.06		S1	S1	•
<b>VOLVO</b>					
FH	8.93		T	T	
FM	8.98		T	T	
<b>P65.3</b> 650mm 26"					
<b>RENAULT TRUCKS</b>					
T series	13		S2	S2	
<b>P70</b> 700mm 28"					
<b>DRÖGMÖLLER</b>					
440 Sup.			4	4	
E 420			4	4	
<b>EBRO</b>					
Coach 65/7 D	85		4	4	
Coach 100/8 D	85		4	4	
<b>HEULIEZ</b>					
GX 37H			4	4	
<b>IKARUS</b>					
271	73		4	4	
521	73		4	4	
543.30	73		4	4	
557	73		4	4	
IK190	73		4	4	
<b>IVECO (Fiat, Magirus, OM)</b>					
170,L,R,TL,TR	1.75	9.79	4	4	
260SH, 70	81		4	4	
370.12.76	1.76		4	4	
M 170 SH, M 200 SH 110 U	73	78	4	4	
M 200 L,R,T,M 230L,R,T	1.75	6.78	4	4	
M 260 L	10.77		4	4	
<b>MAN-BÜSSING</b>					
SD 200,SL 200,SÜ 240		84	4	4	
SG 192,SL 160,SL 192	12.76		4	4	
SG 220,SG 240	81		4	4	
<b>MERCEDES BENZ</b>					
1013,1017,1213,1217,1219	9.75		4	4	
1222	83		4	4	
1413,1613		84	4	4	
1414,1417,1617	84		4	4	
1419,1619,2219		83	4	4	
1422,142 S,1622,1625	83		4	4	
1626,1632,1719	73		4	4	

Trucks		Buses		Tractors	
1922 K,2225	83		4	4	
1928,1933,2628	80		4	4	
1935,1944,2035	86		4	4	
1936,2233,2636,3336	81		4	4	
2032,2224,2232	73		4	4	
2629,2635,2644	86		4	4	
O 303	10.74	79	4	4	
<b>NEOPLAN</b>					
Cityliner		8.82	4	4	
Cityliner N 116	9.82	00	4	4	
Combiliner N 316			4	4	
Jetliner	9.81		4	4	
Omnibus	76	81	4	4	
Skyliner 122/3	9.88	01	4	4	
Spaceliner,N117/2,3	76	81	4	4	
<b>PEGASO</b>					
Buses 6420	85		4	4	
Coaches 5031,5123	85		6	6	
<b>RENAULT TRUCKS</b>					
PR 100,100MI,180	10.83		4	4	
PR 100.2	9.88		4	4	
SC 10	2.77		4	4	
<b>SCANIA</b>					
BR 85,CR 85 Super	2.73		4	4	
BR 116	79		4	4	
C 145	8.71		4	4	
CN 112,116	84		4	4	
K 113 CL	9.88		4	4	
<b>STEYR-DAIMLER-PUCH</b>					
City Bus CS 6 F 55	1.75		4	4	
<b>P70.2</b> 700mm 28"					
<b>CITROËN</b>					
Jumpy	1.07		S1		
<b>FIAT</b>					
Scudo	1.07		S1		
<b>FORD</b>					
Transit	7.00		V1		
<b>MAN-BÜSSING</b>					
TGA	4.00		T	T	
TGL	4.05		T	T	
TGM	10.05		T	T	
TGS	8.07		T	T	
TGX	9.07		T	T	
<b>MERCEDES BENZ</b>					
Actros	4.96		V1	V1	
Actros II	10.02		V1	V1	
Vito	7.03	8.05	V1	•	
<b>PEUGEOT</b>					
Expert	1.07		S1		
<b>RENAULT TRUCKS</b>					
Kerax	1.96	1.06	S1	S1	•
Magnum	91		T	T	
Premium	1.96	1.06	S1	S1	•
<b>SCANIA</b>					
Serie 4 (Clase C,D,L,G)	9.96	9.04	T	T	
Serie G, P, R, T	9.04		T	T	
<b>P80</b> 800mm 32"					
<b>AYATS</b>					
Bravo 1 (Upper blade)			A1		

• montar con KIT 136 - mount with KIT 136 - monter avec le KIT 136 - mit KIT 136 montieren

\* montar adaptador A1, A2, A3 o A4 según brazo - fit A1, A2, A3 or A4 depending on arm - monter adaptateur A1, A2, A3 ou A4 selon bras - Je nach Wischerarm A1, A2, A3 oder A4 montieren

<b>BEULAS</b>				
Glory (Upper blade)			A1	
Jewell (Upper blade)			A1	
<b>BMC</b>				
Interurban Alyos			A1	A1
Procity Hybrid			A1	A1
<b>BYD</b>				
K9C			A1	A1
<b>CATERPILLAR</b>				
Cabine 307	1.72		*	*
<b>FAST</b>				
Scoler 4			A1	A1
<b>HEULIEZ</b>				
GX 117-586	7.99		A1	A1
GX 217			A2	A2
GX 317	7.99		A2	A2
GX 417			A2	A2
<b>IKARUS</b>				
397.07, Midibus 405	94		*	*
<b>IRISBUS</b>				
Acces Bus 127	1.02		A2	A2
<b>IVECO (Fiat, Magirus, OM)</b>				
370	81	82	*	*
470,570,670,12.25	81		*	*
N 120 R 81 Turbo	81		*	*
<b>KÄSSBOHRER</b>				
Imperial			*	*
PB 42.240 D	88		*	*
S 208A	80		*	*
S 213HE	87		*	*
S 228 DT Internat			*	*
Ü 80 (ÖNV)	80		*	*
<b>MAN-BÜSSING</b>				
D 80,G80,S80		84	*	*
D80, G80, S80, Ü80	84		*	*
MN 283			A2	A2
NG 272,NM 152	89		*	*
NL 202 ( Önv II)	84	88	*	*
NL 222	98		A4	A4
SG 242/SG 292 (ÖNV II)	85		*	*
SL 202,SÜ 240,SÜ242	85	87	*	*
<b>MCW</b>				
Metroliner	83		*	*
<b>MERCEDES BENZ</b>				
O 402, O405, O407 (ÖNVII)	85	91	*	*
<b>NEOPLAN</b>				
Cityliner N 116	81		*	*
Cityliner N 116H			*	*
Clubliner N 122/2	81	95	*	*
Jumbocruiser N 138	81		*	*
Linien Schubel, SG, SÜG	81		*	*
N 4010 NF, N 4014 NF DE			*	*
N 4020 NF			*	*
N 407SKI, N 209	81		*	*
N 424/n 426	81		*	*
SD/2-SD/3, N 12/4			*	*
Spaceliner N 117/Reisebus	81		*	*
Standarlinie SL II	81	96	*	*
Starliner (Upper blade)	9.06	11	A4	A4
Überland SÜ	81		*	*
Unibus N 906, N 907			*	*
<b>OTOKAR</b>				
Navigo			A1	A1
<b>SCANIA</b>				
City Wide LF			A1	A1
OmniCity, OmniLink	9.06		A2	A2

<b>SOLARIS</b>				
Urbino			A1	
<b>VAN HOOL</b>				
EOS200, EOS230	96		A2	A2
EOS233	96	99	A2	A2
<b>VDL</b>				
Synergy (Lower blade)			A1	A1
<b>VOLGA BUS</b>				
Rhithmix			A1	A1
<b>VOLVO</b>				
B 10 M, B 12			*	*
<b>P90</b> 900mm 36"				
<b>BMC</b>				
Hawk			A1	A1
Probus			A1	A1
<b>FAST</b>				
Starter L			A1	A1
<b>HESS</b>				
City Bus			A1	A1
<b>HEULIEZ</b>				
Cristalis	6.00		A1	A1
<b>KÄSSBOHRER</b>				
S 228 DT, S 300 N	92		*	*
<b>KING LONG</b>				
XMQ6129BYD5			A1	A1
<b>MAN-BÜSSING</b>				
NL 202	89	94	*	*
<b>MERCEDES BENZ</b>				
G, GN (Ü 80)	89		*	*
Tourino	10.03		A2	A2
<b>VAN HOOL</b>				
A308	98		A2	A2
A320	00		A2	A2
Sion			*	*
<b>P90.I</b> 900mm 36"				
<b>CAETANO</b>				
2500 EL			P2	P2
<b>CASTROSUA</b>				
City			P2	P2
Tempus			P2	
<b>MAN-BÜSSING</b>				
Lion's City	1.04	11	P2	P2
NÜ	3.96		P2	P2
<b>MERCEDES BENZ</b>				
Citaro	98		P2	P2
Üstra	98		P2	P2
<b>TEMSA</b>				
Tourmalin IC			P2	P2
<b>P100</b> 1000mm 40"				
<b>BEULAS</b>				
Spica			A1	A1

<b>BUS UNIVERSAL</b>					
Bus Universal			*	*	
<b>CASTROSUA</b>					
Magnus E			A1	A1	
<b>DRÖGMÖLLER</b>					
300			*	*	
310			*	*	
320			*	*	
330			*	*	
430			*	*	
<b>Aufbau Scania K 110</b>					
E 290		*	*		
Supercomet			*	*	
<b>FAST</b>					
Starter LE			A1	A1	
<b>FOTON</b>					
BJ6123			A1	A1	
<b>HEULIEZ</b>					
GX 44			A1	A1	
<b>IKARUS</b>					
61			*	*	
386			*	*	
396			*	*	
415			*	*	
435			*	*	
Chasis Scania K 112			*	*	
<b>IRISBUS</b>					
Citelis			A1	A1	
Crealis Neo			A1	A1	
Crossway			A1	A1	
Domino HD, HDH	10.03		A1	A1	
Evadys	10.03		A1	A1	
Evadys H			A1	A1	
Magelys Pro			A1	A1	
<b>IRIZAR</b>					
Century		02	A1	A1	
Intercentury		00	A1	A1	
<b>IVECO (Fiat, Magirus, OM)</b>					
160.R 81 Turbo			*	*	
315.8.17 Turbo,370		82	*	*	
Domino,471,571,671		82	*	*	
M 2000 12 M Turbo		81	*	*	
M 2000 HD		82	*	*	
<b>KÄSSBOHRER</b>					
D 215 HM, S 215 RL			*	*	
S 200 H, S 210 H, S210 HD			*	*	
S 210 Real, S 211			*	*	
S 213HR,S 215 HD			*	*	
S 215 HD, S 215 UL			*	*	
S 216 HDS, SG 215 SL			*	*	
SG 219 SL, S 300 NC			*	*	
<b>KING LONG</b>					
XMQ6120AGD5			A1	A1	
XMQ6120C			A1	A1	
XMQ6129Y			A1	A1	
XMQ6130Y			A1	A1	
XMQ6900			A1	A1	
XMQ6996Y			A1	A1	
<b>KUTSENITS</b>					
Hydra			A1	A1	
<b>LEYLAND</b>					
Royal Tiger B 54		3.83	*	*	
<b>MAN-BÜSSING</b>					
Ale Euro 3		00	A1	A1	
Economy Bus			*	*	
Lion's Coach		9.05	A1	A1	

Lion's Regio		6.04		A1	A1
RH		98	01	A1	A1
RÜ 240, SÖ 242		85		*	*
SR 240,SR 280 H		77		*	*
SR 292 R,SR 362 FRH		85		*	*
SR 321 FRH		81		*	*
ÜL 272		87		*	*
<b>MCW</b>					
Metroliner D.D.		83		*	*
<b>MERCEDES BENZ</b>					
O 303			93	*	*
O 303 LHD/RHD		79		*	*
O 404		91	99	*	*
O 407 Ü		87	01	*	*
O 408		89	98	*	*
<b>NEOPLAN</b>					
Clubliner N 122/2		81	95	*	*
Combiliner				*	*
Jetliner N 108-N216		81		*	*
Jumbocruiser N 138				*	*
Kombi Metroliner N 316		85		*	*
N 4007-N4021		87		*	*
N 416 M/MK		81		*	*
Starliner (Lower blade)		9.06	11	A1	A1
SÜ N416				*	*
Tourliner		9.02		A2	A2
Trendliner		9.04		A2	A2
<b>NOGE</b>					
Touring-HD				A1	A1
<b>OTOKAR</b>					
Kent C				A1	A1
Navigo U				A1	A1
Territo U				A1	A1
Vectio C, U				A1	A1
<b>PEGASO</b>					
Coach 6046/1,6100 S		85		*	*
Coach S 215,5036 S/1		85		*	*
<b>RENAULT TRUCKS</b>					
Agora		1.96		A1	A1
Ares		1.99		A1	A1
Bus D 300		1.85		*	*
FR 1 (GT),R 312		83		*	*
Iliade		1.97		A1	A1
Tracer		1.91	10.01	*	*
<b>SCANIA</b>					
112		86		*	*
<b>SOLARIS</b>					
Interurbino				A1	A1
Urbino					A1
<b>TEMSA</b>					
Avenue LF				A1	A1
Safari HD				A1	A1
Safari RD				A1	A1
Safari RD IC				A1	A1
<b>VAN HOOL</b>					
Alizée T 815		86		*	*
Astromega TD 824		86		*	*
Astromega TD 917		00		A1	A1
T9		96		A1	A1
<b>VDL</b>					
Futura				A1	A1
<b>VOLVO</b>					
5000, 7000		98		A1	A1
7000		02		A1	A1
7700		6.06		A1	A1
8500		1.99		A1	A1
B 10 M/C 10 M		86		*	*

• montar con KIT 136 - mount with KIT 136 - monter avec le KIT 136 - mit KIT 136 montieren

\* montar adaptador A1, A2, A3 o A4 según brazo - fit A1, A2, A3 or A4 depending on arm - monter adaptateur A1, A2, A3 ou A4 selon bras - Je nach Wischerarm A1, A2, A3 oder A4 montieren

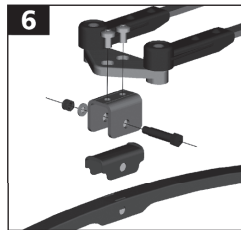
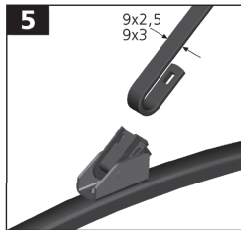
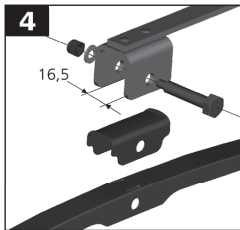
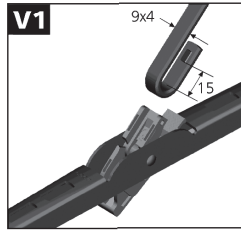
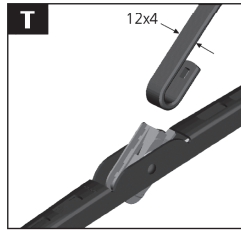
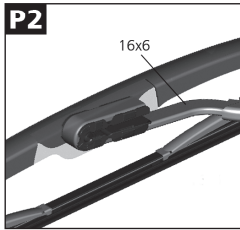
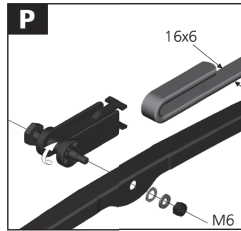
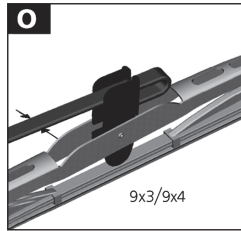
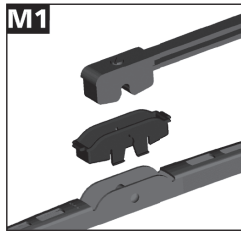
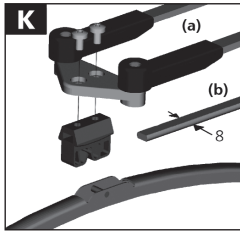
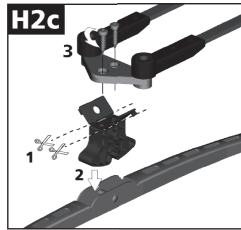
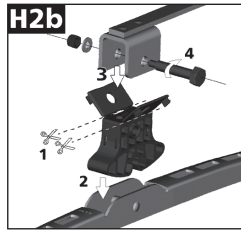
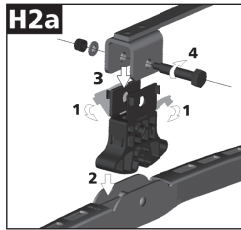
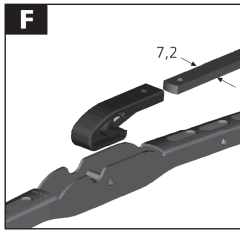
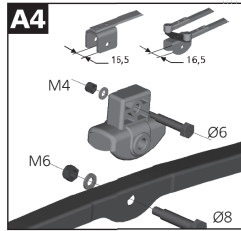
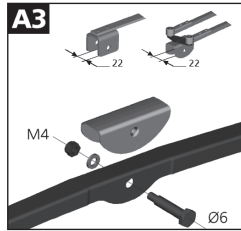
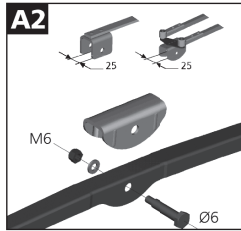
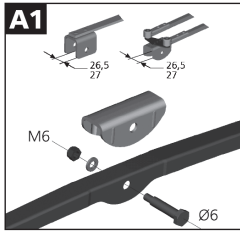


<b>PIOI</b> 1000mm 40"				
<b>AMZ</b>				
City Smile			P2	P2
<b>AYATS</b>				
Bravo 1 (Lower blade)			P2	P2
<b>BEULAS</b>				
Aura			P2	P2
Cygnus			P2	P2
Glory (Lower blade)			P2	P2
Jewell (Lower blade)			P2	P2
<b>CAETANO</b>				
Manecocity			P2	P2
<b>CASTROSUA</b>				
Stellae			P2	P2
Tempus				P2
<b>CROBUS</b>				
Zora			P2	P2
<b>INDCAR</b>				
Mago 2			P2	P2
<b>IRIZAR</b>				
i3	11		P2	P2
i4	11		P2	P2
i6	11		P2	P2
PB	02		P2	P2
<b>MAN-BÜSSING</b>				
Lion's City	11		P2	P2
Lion's Comfort	9.06		P2	P2
Lion's Star	10.01		P2	P2
Lion's Top Coach	6.99	1.04	P2	P2
RN 353	96		P2	P2
<b>MERCEDES BENZ</b>				
Cito	1.97		P2	P2
Conecto	5.01		P2	P2

Integro	97		P2	P2
Intouro			P2	P2
Tourismo			P2	P2
Travego	97		P2	P2
<b>NEOPLAN</b>				
Euroliner	10.98		P2	P2
<b>NOGE</b>				
Titanium			P2	P2
Touring-H			P2	P2
<b>SCANIA</b>				
City Wide LE			P2	P2
Omnixpress 3.20			P2	P2
Omniline	99		P2	P2
Tourist	99		P2	P2
<b>SETRA</b>				
Confort Class 400			P2	P2
High Class			P2	P2
Multi Class			P2	P2
<b>SUNSUNDEGUI</b>				
Astral			P2	P2
B9R Elegance			P2	P2
SC7			P2	P2
Sideral			P2	P2
<b>UNVI</b>				
Cimo			P2	P2
Urbis			P2	P2
<b>VDL</b>				
Citea LLE-120			P2	P2
Citea SLF-120			P2	P2
Jonckheere			P2	P2
<b>VOLVO</b>				
9500			P2	P2
9700	4.01		P2	P2
9900	01		P2	P2

• montar con KIT 136 - mount with KIT 136 - monter avec le KIT 136 - mit KIT 136 montieren

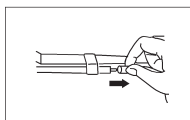
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**instrucciones  
instructions  
Montageanleitungen**

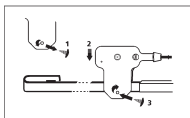
**1**

- Desmontar el manguito del agua de la escobilla original.
- Disconnect the water hose connector from the original wiper blade.
- Démontez le tuyau lave-glace du balai d'origine.
- Die Wasseranschlussmuffe des Original-wischerblattes abmontieren.



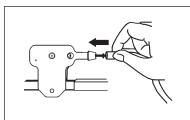
**2**

- Montar el Kit en el extremo del brazo, con el extremo de conexión mirando hacia la articulación del brazo.
- Mount the Kit on the end of the arm, with the end of the connection pointing towards the arm joint.
- Monter le Kit sur le bout du bras, l'extrémité de raccordement étant orientée vers l'articulation du bras.
- Das Set am Wischarmende montieren, wobei das Anschlussende in Richtung Wischarmelenk zeigen muss.



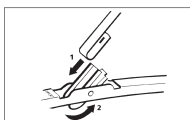
**3**

- Conectar el manguito del agua al Kit.
- Connect the water hose connector to the Kit.
- Raccorder le tuyau lave-glace au Kit.
- Die Wasseranschlussmuffe an das Set anschließen.



**4**

- Montar la escobilla con el adaptador.
- Mount the blade with the adaptor.
- Monter le balai avec l'adaptateur.
- Das Wischerblatt mit dem Adapter montieren.



**Kit 136**

CUANDO SE REALIZA LA 1ª SUSTITUCIÓN DE LA ESCOBILLA, SE MONTA EL KIT 136 EN EL BRAZO, SUSTITUYENDO AL SURTIDOR DE LA ESCOBILLA ORIGINAL. EN LA SEGUNDA SUSTITUCIÓN Y SUCESIVAS SÓLO ES NECESARIA LA COMPRA DE LAS ESCOBILLAS.

THE SOLUTION INVOLVES MOUNTING KIT 136 ON THE ARM WHEN THE BLADE IS REPLACED FOR THE FIRST TIME, REPLACING THE ORIGINAL BLADE'S JET. WHEN MAKING SUBSEQUENT REPLACEMENTS, YOU ONLY NEED TO PURCHASE THE WIPER BLADES.

LA SOLUTION CONSISTE À MONTER LE KIT 136 SUR LE BRAS AU MOMENT DE PROCÉDER À LA 1RE SUBSTITUTION DU BALAI, EN REMPLAÇANT LE GICLÉUR DU BALAI D'ORIGINE. POUR LA DEUXIÈME SUBSTITUTION ET LES SUIVANTES, IL SUFFIT D'ACHETER LE BLISTER.

DIESE LÖSUNG BESTEHT DARIN, DASS BEIM ERSTEN WISCHERBLATTWECHSEL DIE SPRITZDÜSE DES ORIGINALWISCHERBLATTES AUSGEWECHSELT UND DAS KIT 136 AUF DEN WISCHARM MONTIERT WIRD. BEIM NÄSCHTEN UND ALLEN DARAUFGELNDEN WISCHERBLATTWECHSELN MÜB AN NUR DIE WISCHERBLÄTTER EINKAUFEN.





## VALEO » DOGA

728800	P40
728801	P45
728802	P50.1
728804	P56
728803	P56.1
728826	P60
728825	P60.2
728827	P65.1
728830	P70.2
728831	P80
728832	P90
728833	P90.1
728834	P100
728835	P101

## BOSCH » DOGA

N40	P40
N45	P45
N53	P50.1 / P53
N55	P56.1
N56	P56
N63	P60 / P60.1 / P60.2
N65	P65 / P65.2
N66	P65.1
N70	P70 / P70.2
N80	P80
N90	P90
N91	P90.1
N100	P100
N101	P101

## CHAMPION » DOGA

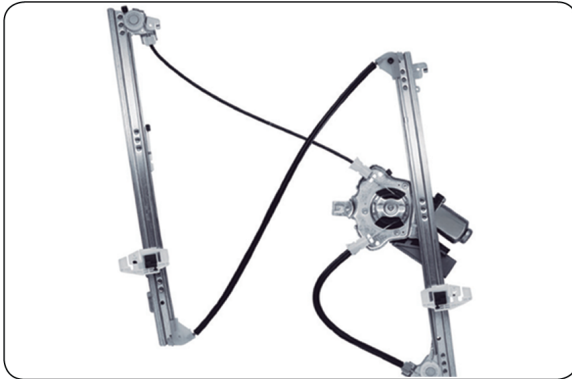
T41001	P40
T45001	P45
T51001	P50.1
T55H01	P56
T55001	P56.1
T60H01	P60
T60001	P60.1
T60H03	P60.2
T65S04	P65
T65H01	P65.1
T65H05	P65.2
T70S04	P70
T70H05	P70.2
T80S04	P80
T90H06	P90
T90S04	P90
T90H06	P90.1
T100S04	P100
T100H06	P101

## SWF » DOGA

132.400	P40
132.450	P45
132.500	P50.1 / P53
132.550	P56.1
132.560	P56
132.600	P60 / P60.1 / P60.2
132.650	P65 / P65.1 / P65.2
132.701	P70 / P70.2
132.702	P70.2
132.801	P80
132.900	P90
132.901	P90.1
132.000	P100
132.001	P101

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