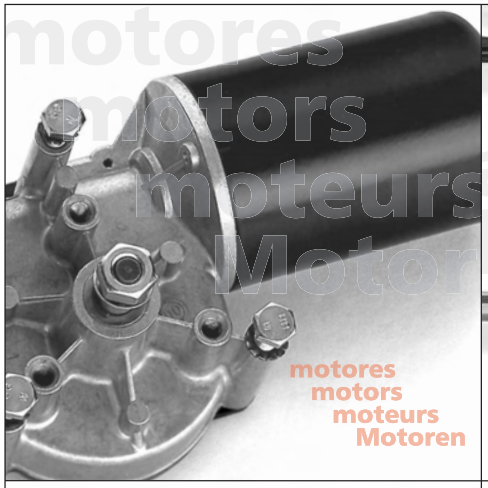
DOGA

recambios
sistemas limpiaparabrisas

replacements
windshield wiper systems

rechange
systèmes d'essuie-glace

Ersatzteile
Scheibenwischanlagen



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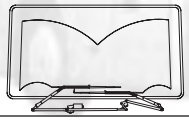
recambios
replacements
rechange
Ersatzteile

equipos originales - original systems

equipements première monte - Erstausrüstung

BUS
(universal - universel)

EQUIPO DELANTERO PANORÁMICO PANORAMIC FRONT SYSTEM EQUIPEMENT AVANT PANORAMIQUE GEGENLAUFWISCHANLAGE		12 V 24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼		REFS. DOGA ▼
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE		
MOTOR MOTEUR	12 V 24 V	
BRAZO ARM BRAS WISCHARM		**120.6706.GA.D4/I4** (650mm-23º) **120.6707.GA.I4/D4** (650mm-40º) **120.6702.GA.D4/I4** (750mm-23º) **120.6701.GA.I4/D4** (750mm-40º) **120.6717.GA.D4/I4** (850mm-23º) **120.6716.GA.I4/D4** (850mm-40º)
ESCOBILLA BLADE BALAI WISCHBLATT		**136.2080.GA.04** (800mm) **136.2090.GA.04** (900mm) **136.2010.GA.04** (1000mm)
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		a consultar to consult consultez-nous Auf Anfrage



TRACTOR - TRACTEUR - TRAKTOR
(universal - universel)

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE		12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼		REFS. DOGA ▼
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**142.1066.20.04**
MOTOR MOTEUR	12 V	**112.2580.2B.00**
BRAZO ARM BRAS WISCHARM		**120.0510.GA.R4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.1628.GA.04**

London Taxis International

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE		12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼		REFS. DOGA ▼
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE		
MOTOR MOTEUR	12 V 12 V	**111.9045.2B.00** (RHD UK) **111.9080.2B.00** (LHD USA)
BRAZO ARM BRAS WISCHARM		**120.8922.00.D4** (RHD UK) **120.8922.00.I4** (LHD USA)
ESCOBILLA BLADE BALAI WISCHBLATT		**135.0350.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2136.00.D0** (RHD UK) **140.2136.00.I0** (LHD USA)

London Taxis International

EQUIPO POSTERIOR REAR SYSTEM EQUIPEMENT ARRIÈRE HECKANLAGE		12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼		REFS. DOGA ▼
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE		
MOTOR MOTEUR	12 V	**116.9661.2B.I0**
BRAZO ARM BRAS WISCHARM		**120.6520.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0340.GA.04**

LAND ROVER - SANTANA (1as Series)

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE		12 V 24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT	REFS. DOGA	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE		
MOTOR MOTEUR	12 V	**112.9010.2B.00**
	24 V	**112.9010.3B.00**
BRAZO ARM BRAS WISCHARM		
ESCOBILLA BLADE BALAI WISCHBLATT		**138.0927.GA.04**

Cada vehículo Land Rover, de este modelo, monta dos equipos delanteros.

Each Land Rover vehicle (these model) use 2 front system.

Chaque véhicule Land Rover, de ce modèle, comporte deux equipements avant.

Jedes Land-Rover-Fahrzeugh dieses Modells verfügt über zwei Wischanlagen.

MITSUBISHI CANTER
(cabina doble - double cabin - cabine double - Doppelkabine)

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	98 ➔	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT	REFS. DOGA	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**141.2027.20.I4**
MOTOR MOTEUR	12 V	**141.0018.2B.I0**
BRAZO ARM BRAS WISCHARM		**120.5301.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**135.0350.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2126.00.I0**

MITSUBISHI CANTER
(cabina sencilla - single cabin - cabine simple - Normalkabine)

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	98 ➔	12 V 24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT	REFS. DOGA	

		conducción europea european driving conduite europeenne Europäisches Fahren	conducción inglesa english driving conduite anglaise Englisches Fahren
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**141.2025.20.I4**	**141.2025.20.D4**
	24 V	**141.2025.30.I4**	**141.2025.30.D4**
MOTOR MOTEUR	12 V	**141.0017.2B.I0**	**141.0017.2B.D0**
	24 V		
BRAZO ARM BRAS WISCHARM			
ESCOBILLA BLADE BALAI WISCHBLATT			
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE			

NISSAN CABSTAR

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	02 ➔	12 V 24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT	REFS. DOGA	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE		
MOTOR MOTEUR		
BRAZO ARM BRAS WISCHARM	IZQUIERDA LEFT GAUCHE LINKE	**120.4851.GA.I4**
	DERECHA RIGHT DROITE RECHT	**120.4851.GA.D4**
ESCOBILLA BLADE BALAI WISCHBLATT		**133.0345.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		

NISSAN PATROL

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	86 → 3.88	12 V 24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**141.2001.20.I4**
	24 V	**141.2001.30.I4**
MOTOR MOTEUR	12 V	**141.0001.2B.I0**
	24 V	**141.0001.3B.I0**
BRAZO ARM BRAS WISCHARM		**120.7101.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0345.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2016.00.I0**

NISSAN PATROL

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	4.88 →	12 V 24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**141.2001.20.I4**
	24 V	**141.2001.30.I4**
MOTOR MOTEUR	12 V	**141.0002.2B.I0**
	24 V	**141.0002.3B.I0**
BRAZO ARM BRAS WISCHARM		**120.7101.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0345.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2041.00.I0**

NISSAN PATROL

EQUIPO POSTERIOR REAR SYSTEM EQUIPEMENT ARRIÈRE HECKANLAGE	86 → 2.89	12 V 24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**146.1021.20.D4**
	24 V	**146.1021.30.D4**
MOTOR MOTEUR	12 V	**116.9601.2B.D0**
	24 V	**116.9601.3B.D0**
BRAZO ARM BRAS WISCHARM		**120.7002.GA.R4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0730.GA.04**

NISSAN PATROL

EQUIPO POSTERIOR REAR SYSTEM EQUIPEMENT ARRIÈRE HECKANLAGE	3.89 →	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**146.1027.20.D4**
MOTOR MOTEUR	12 V	**146.1028.2B.D0**
BRAZO ARM BRAS WISCHARM		**120.6504.GA.D4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0335.GA.04**

PEGASO

1135, 1145, 1190, 2180, 3180, 1214, 1223, 1431, 2217, 2331

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	85 →	24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	24 V	**149.3006.30.I4**
MOTOR MOTEUR	24 V	**149.0012.3B.00**
BRAZO ARM BRAS WISCHARM		**120.8702.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**136.0350.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.3005.00.I0**

PEGASO TRONER

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	87 → 95	24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	24 V	**149.3001.30.I4**
MOTOR MOTEUR	24 V	**119.9001.3B.00**
BRAZO ARM BRAS WISCHARM		**120.8301.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**133.0355.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.3009.00.I0**

SEAT IBIZA

EQUIPO POSTERIOR REAR SYSTEM EQUIPEMENT ARRIÈRE HECKANLAGE	84 → 88	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**146.1026.20.I0**
MOTOR MOTEUR	12 V	**146.0015.2B.I0**
BRAZO ARM BRAS WISCHARM		**120.6503.GA.D4**
ESCOBILLA BLADE BALAI WISCHBLATT		**135.0347.GA.04**

SEAT INCA

EQUIPO POSTERIOR REAR SYSTEM EQUIPEMENT ARRIÈRE HECKANLAGE	97 →	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE		
MOTOR MOTEUR	12 V	**146.1088.2B.D4**
BRAZO ARM BRAS WISCHARM		**120.6519.GA.D4**
ESCOBILLA BLADE BALAI WISCHBLATT		**135.0345.GA.04**

SANTANA ANIBAL

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	02 →	12 V 24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE		
MOTOR MOTEUR	12 V	**141.0020.2B.I0**
	24 V	**141.0020.3B.I0**
BRAZO ARM BRAS WISCHARM		**120.6524.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**135.0345.GA.04** **134.0340.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2143.00.I0**
LAVAPARABRISAS WASHER SYSTEM LAVE-GLACE WASCHANLAGE	12 V	**232.1004.20.00** (1 bomba-pump-pompe-pumpe)
	24 V	**232.1004.30.00** (1 bomba-pump-pompe-pumpe)

SUZUKI JIMNY

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	12.01 →	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

		conducción europea european driving conduite europeenne Europäisches Fahren	conducción inglesa english driving conduite anglaise Englisches Fahren
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**141.2034.20.I4**	**141.2034.20.D4**
MOTOR MOTEUR	12 V	**141.0019.2B.I0**	**141.0019.2B.D0**
BRAZO ARM BRAS WISCHARM		**120.5001.GA.I4**	**120.5001.GA.D4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0340.GA.04**	**134.0340.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2142.00.I0**	**140.2142.00.D0**
LAVAPARABRISAS WASHER SYSTEM LAVE-GLACE WASCHANLAGE	12 V	**232.1002.20.00**	**232.1002.20.00**

SUZUKI SANTANA mod. J, V

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	→ 1.89	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE		
MOTOR MOTEUR	12 V	**116.9700.2B.00**
BRAZO ARM BRAS WISCHARM		**120.6908.DA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0730.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		

SUZUKI SAMURAI mod. J, V

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	11.90 → 10.91	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**141.2010.20.I4**
MOTOR MOTEUR	12 V	**141.0005.2B.I0**
BRAZO ARM BRAS WISCHARM		**120.6908.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0730.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2044.00.00**
LAVAPARABRISAS WASHER SYSTEM LAVE-GLACE WASCHANLAGE	12 V	**232.1004.20.00** (1 bomba-pump-pompe-pumpe)

SUZUKI SAMURAI mod. J

EQUIPO POSTERIOR REAR SYSTEM EQUIPEMENT ARRIÈRE HECKANLAGE	11.90 ➔	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**146.1022.20.D4**
MOTOR MOTEUR	12 V	**146.0012.2B.D4**
BRAZO ARM BRAS WISCHARM		**120.6902.GA.R4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0735.GA.04**
LAVAPARABRISAS WASHER SYSTEM LAVE-GLACE WASCHANLAGE	12 V	**232.2004.20.00** (2 bombas-pumps-pompes-pumpen)

SUZUKI SAMURAI mod. J, V

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	11.91 ➔	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**141.2014.20.I4**
MOTOR MOTEUR	12 V	**141.0008.2B.I0**
BRAZO ARM BRAS WISCHARM		**120.6908.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0730.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2044.00.00**
LAVAPARABRISAS WASHER SYSTEM LAVE-GLACE WASCHANLAGE	12 V	**232.1004.20.00** (1 bomba-pump-pompe-pumpe)

SUZUKI VITARA

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	10.88 ➔ 5.96	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**141.2012.20.I4**
MOTOR MOTEUR	12 V	**141.0006.2B.I0**
BRAZO ARM BRAS WISCHARM		**120.8101.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0345.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2043.00.I0**
LAVAPARABRISAS WASHER SYSTEM LAVE-GLACE WASCHANLAGE	12 V	**232.1004.20.00** (1 bomba-pump-pompe-pumpe) **232.2004.20.00** (2 bombas-pumps-pompes-pumpen)

SUZUKI VITARA

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	6.96 ➔	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**141.2012.20.I4**
MOTOR MOTEUR	12 V	**141.0006.2B.I0**
BRAZO ARM BRAS WISCHARM		**120.9101.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**135.0344.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2043.00.I0**
LAVAPARABRISAS WASHER SYSTEM LAVE-GLACE WASCHANLAGE	12 V	**232.1004.20.00** (1 bomba-pump-pompe-pumpe) **232.2004.20.00** (2 bombas-pumps-pompes--pumpen)

SUZUKI VITARA mod. JHT
(techo duro - hard roof - toit en dur - Hartdach)

EQUIPO POSTERIOR REAR SYSTEM EQUIPEMENT ARRIÈRE HECKANLAGE	90 →	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**146.1038.20.I4**
MOTOR MOTEUR	12 V	**146.0020.2B.I0**
BRAZO ARM BRAS WISCHARM		**120.6316.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0333.GA.04**
LAVAPARABRISAS WASHER SYSTEM LAVE-GLACE WASCHANLAGE	12 V	**232.2004.20.00** (2 bombas-pumps-pompes-pumpen)

SUZUKI VITARA mod. V
(techo metálico - metallic roof - toit metallique - Metalldach)

EQUIPO POSTERIOR REAR SYSTEM EQUIPEMENT ARRIÈRE HECKANLAGE	90 →	12 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**146.1037.20.I4**
MOTOR MOTEUR	12 V	**146.0018.2B.I0**
BRAZO ARM BRAS WISCHARM		**120.6313.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0338.GA.04**
LAVAPARABRISAS WASHER SYSTEM LAVE-GLACE WASCHANLAGE	12 V	**232.2004.20.00** (2 bombas-pumps-pompes-pumpen)

TOYOTA LAND CRUISER

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE	90 → 96	12 V 24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**141.2008.20.I4**
	24 V	**141.2008.30.I4**
MOTOR MOTEUR	12 V	**141.0004.2B.I0**
	24 V	**141.0004.3B.I0**
BRAZO ARM BRAS WISCHARM	IZQUIERDA LEFT GAUCHE LINKE	**120.1401.GA.I4**
	DERECHA RIGHT DROITE RECHT	**120.1402.GA.I4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0340.GA.04**
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2042.00.I0**

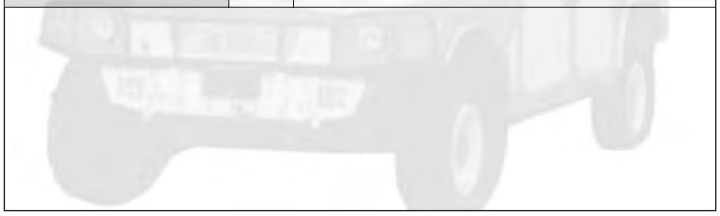
TOYOTA LAND CRUISER

EQUIPO POSTERIOR REAR SYSTEM EQUIPEMENT ARRIÈRE HECKANLAGE	85 → 96	12 V 24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼	REFS. DOGA ▼	

EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE	12 V	**146.1023.20.D4**
	24 V	**146.1023.30.D4**
MOTOR MOTEUR	12 V	**146.0013.2B.D0**
	24 V	**146.0013.3B.D0**
BRAZO ARM BRAS WISCHARM		**120.7708.GA.D4**
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0335.GA.04**

URO VAMTAC

EQUIPO DELANTERO FRONT SYSTEM EQUIPEMENT AVANT FRONTANLAGE			24 V
PRODUCTO - PRODUCT PRODUIT - PRODUKT ▼		REFS. DOGA ▼	
EQUIPO COMPLETO COMPLERT SYSTEM EQUIPEMENT COMPLET KOMPLETTE ANLAGE			
MOTOR MOTEUR	24 V	**116.3716.3B.00**	
BRAZO ARM BRAS WISCHARM		**120.6508.GA.R4**	
ESCOBILLA BLADE BALAI WISCHBLATT		**134.0328.GA.04**	
TRANSMISIÓN LINKAGE TRANSMISSION GESTÄNGE		**140.2147.00.00**	



motores de recambio - replacement motors

moteurs rechange - Motoren für E-Bedarf

VEHÍCULO VEHICLE VÉHICULE FAHRZEUG	MODELO MODEL MODÈLE MODELL	AÑO YEAR ANNÉE JAHR	REFERENCIA ORIGINAL ORIGINAL REFERENCE RÉFERÉNCE 1ère MONTE ORIGINAL REF.	REFERENCIA DOGA DOGA REFERENCE RÉFERÉNCE DOGA REF. DOGA
BUS	APLICACIÓNES ESTÁNDAR		eje Ø 13,26 mm - 12 V	* 259.3705.2B.00
	STANDARD APPLICATIONS		eje Ø 13,26 mm - 24 V	* 259.3705.3B.00
	APPLICATIONS STANDARD		eje Ø 15,70 mm - 12 V	* 259.3725.2B.00
	STANDARD ANWENDUNG		eje Ø 15,70 mm - 24 V	* 259.3725.3B.00
ERF	EC	81 →	-	* 119.9043.3B.00
FORD	TRANSIT	86 →	-	* 111.9101.2B.00
MAN BÜSSING	F2000	86 →	-	* 258.9010.3B.00
MERCEDES BENZ	SPRINTER	95 →	-	* 111.9096.2B.00
MITSUBISHI	CANTER	98 →	ML113340	* 111.9108.2B.D0
	CANTER	98 →	ML113342	* 111.9108.2B.I0
	CANTER	98 →	ML113341	* 111.9108.3B.D0
	CANTER	98 →	ML113343	* 111.9108.3B.I0
NISSAN	PATROL	86 →	28810-G9708	* 111.9001.2B.00
	PATROL	85 → 2.89	-	* 116.9601.2B.D0
	PATROL	3.89 →	28700-G9800	146.1028.2B.D0
PEGASO/IVECO	1135,1145,1190,2180,3180	→ 85	-	149.0012.3B.00
	1214,1223,1431,2217,2331	85 →	-	149.0012.3B.00
	TRONER	87 → 95	-	* 119.9001.3B.00
RENAULT	TRAFFIC	80 →	5000790596	* 111.9100.2B.00
	MAGNUM	90 →	5000946961	* 258.0746.3B.00
	PREMIUM	96 →	5001834379	149.0011.3B.00
	MID-LINER	89 →	5000819633	* 119.9044.3B.00
	SERIE G	91 →	5000459266	* 111.9097.3B.00
SCANIA	R144, 164	95 →	-	* 119.9046.3B.00
SUZUKI-SANTANA	J, V	→ 1.89	00000 A00113	* 116.9700.2B.00
	JIMNY	12.01 →	-	* 111.9091.2B.00
	SAMURAI J, V	11.90 → 10.91	38100 84C01-000	* 111.9005.2B.00
	SAMURAI J, V	11.91 →	38100 84C01-000	* 111.9012.2B.00
	SAMURAI J	11.90 →	35008.00000	* 116.9021.2B.D4
	VITARA	10.88 →	38101A60A40	* 111.9006.2B.00
	VITARA JHT	90 →	35311.00000	* 116.9164.2B.I0
	VITARA V	90 →	38810A61A00	* 116.9160.2B.I0
TOYOTA	LAND CRUISER	90 → 96	-	* 111.9004.2B.00
	LAND CRUISER	85 →	-	* 116.9027.2B.D0
VOLVO	FL7	88 →	-	* 258.9009.3B.00
	FL12	77 →	-	* 119.9047.3B.00

* Estas referencias no incluyen soporte ni accesorios.
* References without support and accessories.
* Références sans support et accessories.
* Diese ref. beinhalten nicht Halterung oder Zubehör.

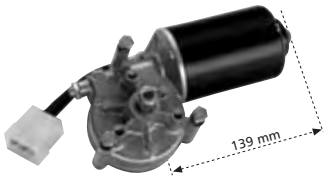
otros motores estándar - other standard motors

autres moteurs standard - Andere Standardmotoren

Motores rotativos para sistemas limpiaparabrisas con transmisión.
Rotatif motors for windshield wiper systems with linkage.
Moteurs rotatifs pour systèmes essuie-glace acec transmission.
Rundläufermotor fur Scheibenwischanlagen mit Gestänge.

MOTOR - MOTEUR 111

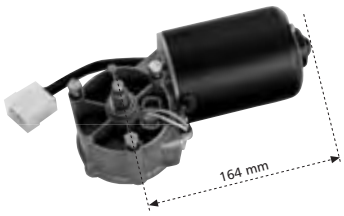
PAR NOMINAL NOMINAL TORQUE COUPLE NOMINAL NENNDREHMOMENT	5 Nm.
PAR DE ARRANQUE STALL TORQUE COUPLE DE DÉMARRAGE ANZUGSMOMENT	25 Nm.



REFERENCIA PART NUMBER RÉFERENCE REFERENZNUMMER	EJE - mn SHAFT - mm AXE - mm WELLE - mm	R.P.M.	DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER	PARO AUTOMÁTICO AUTOMATIC PARK ARRET AUTOMATIQUE PARKSTELLUNG	VOLTIOS VOLTS VOLTS VOLT
111.3717.2B.00.E	Ø 9,3	34/52	-	✓	12
111.3717.3B.00.E	Ø 9,3	34/52	-	✓	24
111.3757.2B.00.E	M 8	34/52	-	✓	12
111.3757.3B.00.E	M 8	34/52	-	✓	24

MOTOR - MOTEUR 119

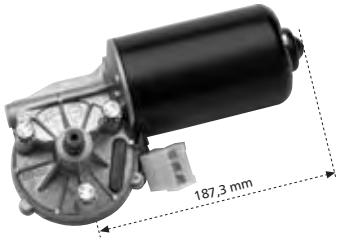
PAR NOMINAL NOMINAL TORQUE COUPLE NOMINAL NENNDREHMOMENT	10 Nm.
PAR DE ARRANQUE STALL TORQUE COUPLE DE DÉMARRAGE ANZUGSMOMENT	50 Nm.



REFERENCIA PART NUMBER RÉFERENCE REFERENZNUMMER	EJE - mn SHAFT - mm AXE - mm WELLE - mm	R.P.M.	DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER	PARO AUTOMÁTICO AUTOMATIC PARK ARRET AUTOMATIQUE PARKSTELLUNG	VOLTIOS VOLTS VOLTS VOLT
119.3723.2B.00.E	Ø 9,3	32/50	-	✓	12
119.3723.3B.00.E	Ø 9,3	32/50	-	✓	24
119.3753.2B.00.E	M 8	32/50	-	✓	12
119.3753.3B.00.E	M 8	32/50	-	✓	24

MOTOR - MOTEUR 258

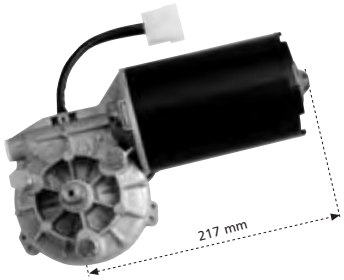
PAR NOMINAL NOMINAL TORQUE COUPLE NOMINAL NENNDREHMOMENT	15 Nm.
PAR DE ARRANQUE STALL TORQUE COUPLE DE DÉMARRAGE ANZUGSMOMENT	80 Nm.



REFERENCIA PART NUMBER RÉFERENCE REFERENZNUMMER	EJE - mn SHAFT - mm AXE - mm WELLE - mm	R.P.M.	DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER	PARO AUTOMÁTICO AUTOMATIC PARK ARRET AUTOMATIQUE PARKSTELLUNG	VOLTIOS VOLTS VOLTS VOLT
258.0764.2B.00	M10	32/50	✓	✓	12
258.0764.3B.00	M10	32/50	✓	✓	24
258.1734.2B.00	Ø 9,3	32/50	-	✓	12
258.1734.3B.00	Ø 9,3	32/50	-	✓	24
258.1744.2B.00	Ø 13,26	32/50	-	✓	12
258.1744.3B.00	Ø 13,26	32/50	-	✓	24

MOTOR - MOTEUR 259

PAR NOMINAL NOMINAL TORQUE COUPLE NOMINAL NENNDREHMOMENT	20 Nm.
PAR DE ARRANQUE STALL TORQUE COUPLE DE DÉMARRAGE ANZUGSMOMENT	130 Nm.



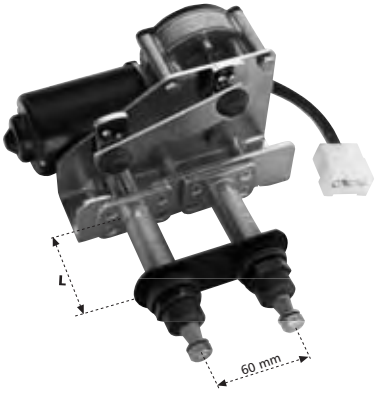
REFERENCIA PART NUMBER RÉFERENCE REFERENZNUMMER	EJE - mn SHAFT - mm AXE - mm WELLE - mm	R.P.M.	DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER	PARO AUTOMÁTICO AUTOMATIC PARK ARRET AUTOMATIQUE PARKSTELLUNG	VOLTIOS VOLTS VOLTS VOLT
259.3705.2B.00	Ø 13,26	30/43	-	✓	12
259.3705.3B.00	Ø 13,26	30/43	-	✓	24
259.3728.2B.00	Ø 15,70	30/43	✓	✓	12
259.3728.3B.00	Ø 15,70	30/43	✓	✓	24

equipos con motor 111 - systems with 111 motor

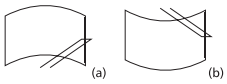
équipements avec moteur 111 - Systeme mit Motor Typ 111

MOTOR - MOTEUR 111

PAR NOMINAL NOMINAL TORQUE COUPLE NOMINAL NENNDREHMOMENT	5 Nm.
PAR DE ARRANQUE STALL TORQUE COUPLE DE DÉMARRAGE ANZUGSMOMENT	25 Nm.
EJE - mm SHAFT - mm AXE - mm WELLE - mm	M8



APLICACIONES ORIENTATIVAS - SUGGESTED APPLICATIONS - APPLICATIONS POUR INFORMATION - MÖGLICHE ANWENDUNGEN

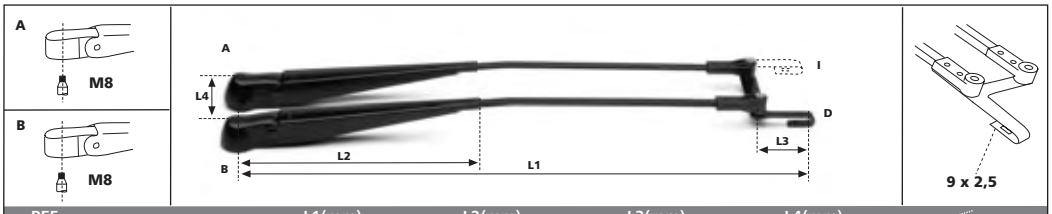


(a) máx. 950 mm - 80º
(b) máx. 1050 mm - 90º

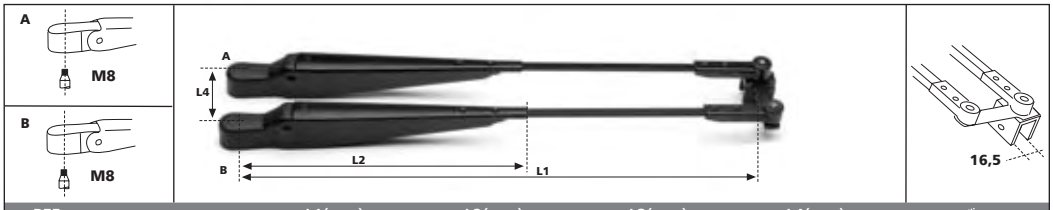
(a) máx. 650 mm
(b) máx. 700 mm

REFERENCIA PART NUMBER RÉFÉRENCE REFERENZNUMMER	∡	L	EJE - mm SHAFT - mm AXE - mm WELLE - mm	CICLOS x m CYCLES x m CYCLES x m ZYCLEN x m	DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER	PARO AUTOMÁTICO AUTOMATIC PARK ARRET AUTOMATIQUE PARKSTELLUNG	INTERRUPTOR SWITCH INTERRUPTEUR SCHALTER	VOLTIOS VOLTS VOLTS VOLT
111.7247.2B.*0.E	70º	60	M 8	32/50	-	✓	-	12
111.7247.3B.*0.E	70º	60	M 8	32/50	-	✓	-	24
111.7347.2B.*0.E	80º	60	M 8	32/50	-	✓	-	12
111.7347.3B.*0.E	80º	60	M 8	32/50	-	✓	-	24

* Sustituir por I o D. Replace with I or D. Remplacer pour Iou D. Durch I oder D ersetzen.



REF.	L1(mm)	L2(mm)	L3(mm)	L4(mm)	
127.0601.GA.D4	445	210	45	60	-
127.0601.GA.I4	445	210	45	60	-
127.0602.GA.D4	495	210	45	60	-
127.0602.GA.I4	495	210	45	60	-
127.0603.GA.D4	545	210	45	60	-
127.0603.GA.I4	545	210	45	60	-



REF.	L1(mm)	L2(mm)	L3(mm)	L4(mm)	
127.0703.GA.04	600	270	-	60	-
127.0705.GA.04	700	270	-	60	-

REF.	Lmm	varilla - style - tige - Stab
134.0335.GA.04	350	9 x 2,5
134.0338.GA.04	380	9 x 2,5
136.0340.GA.04	400	9 x 2,5
136.0345.GA.04	450	9 x 2,5
136.0350.GA.04	500	9 x 2,5

REF.	Lmm	varilla - style - tige - Stab
136.2050.GA.04	500	16,5
136.2060.GA.04	600	16,5
136.2070.GA.04	700	16,5

Posición de Paro
Park Position
Position d'Arrêt
Parkstellung

I*
izquierda - left
gauche - links

D*
derecha - right
droite - rechts

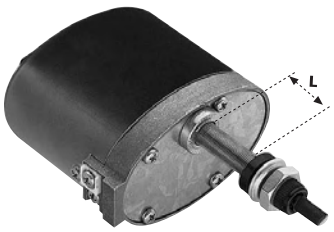
Vista desde el exterior del vehículo.
Exterior view.
Vu a l'exterieur du véhicule.
Gegen die Fahrtrichtung gesehen.

equipos con motor 112 - systems with 112 motor

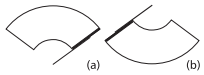
équipements avec moteur 112 - Systeme mit Motor Typ 112

MOTOR - MOTEUR 112

PAR NOMINAL NOMINAL TORQUE COUPLE NOMINAL NENNDREHMOMENT	0,8 Nm.
PAR DE ARRANQUE STALL TORQUE COUPLE DE DÉMARRAGE ANZUGSMOMENT	4,5 Nm.
EJE - mm SHAFT - mm AXE - mm WELLE - mm	ø6



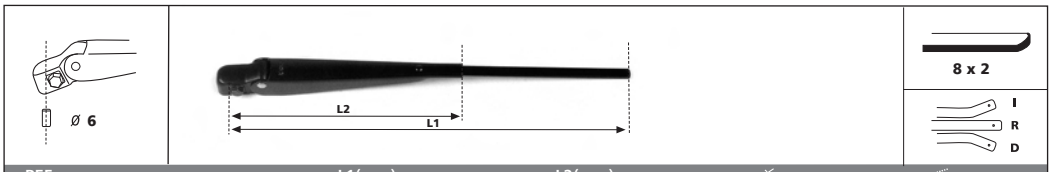
APLICACIONES ORIENTATIVAS - SUGGESTED APPLICATIONS - APPLICATIONS POUR INFORMATION - MÖGLICHE ANWENDUNGEN



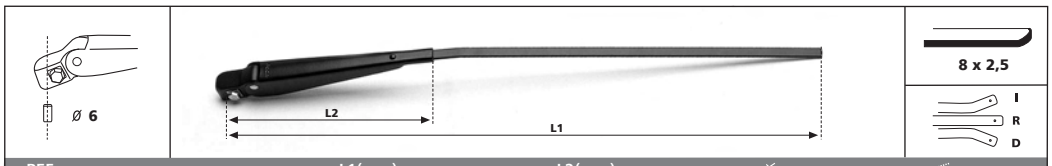
(a) máx. 500 mm - 95º
(b) máx. 550 mm - 110º

(a) máx. 300 mm
(b) máx. 330 mm

REFERENCIA PART NUMBER RÉFÉRENCE REFERENZNUMMER	∠	L	EJE - mm SHAFT - mm AXE - mm WELLE - mm	CICLOS x m CYCLES x m CYCLES x m ZYCLEN x m	DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER	PARO AUTOMÁTICO AUTOMATIC PARK ARRET AUTOMATIQUE PARKSTELLUNG	INTERRUPTOR SWITCH INTERRUPTEUR SCHALTER	VOLTIOS VOLTS VOLTS VOLT
112.1340.2B.00	85º	25	Ø 6	40	-	-	✓	12
112.1340.3B.00	85º	25	Ø 6	40	-	-	✓	24
112.1380.2B.00	85º	84	Ø 6	40	-	-	✓	12
112.1380.3B.00	85º	84	Ø 6	40	-	-	✓	24
112.1540.2B.00	110º	25	Ø 6	40	-	-	✓	12
112.1540.2B.00	110º	25	Ø 6	40	-	-	✓	24
112.1580.2B.00	110º	84	Ø 6	40	-	-	✓	12
112.1580.2B.00	110º	84	Ø 6	40	-	-	✓	24



REF.	L1(mm)	L2(mm)	∠	
120.0503.GA.R4	280	163	R	-
120.0505.GA.R4	340	163	R	-
120.0508.GA.R4	390	163	R	-
120.0510.GA.R4	420	163	R	-



REF.	L1(mm)	L2(mm)	∠	
120.0601.GA.R4	450	163	R	-

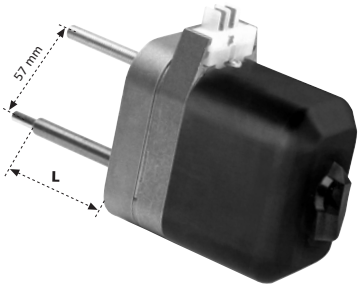
REF.	Lmm	varilla - style - tige - Stab
134.1628.GA.04	280	8 x 2 / 8 x 2,5
134.1633.GA.04	330	8 x 2 / 8 x 2,5
134.1635.GA.04	350	8 x 2 / 8 x 2,5
134.1638.GA.04	380	8 x 2 / 8 x 2,5

equipos con motor 113 - systems with 113 motor

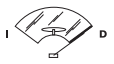
équipements avec moteur 113 - Systeme mit Motor Typ 113

MOTOR - MOTEUR 113

PAR NOMINAL NOMINAL TORQUE COUPLE NOMINAL NENNDREHMOMENT	1,4 Nm.
PAR DE ARRANQUE STALL TORQUE COUPLE DE DÉMARRAGE ANZUGSMOMENT	7 Nm.
EJE - mm SHAFT - mm AXE - mm WELLE - mm	ø6 M8



Posición de Paro
Park Position
Position d'Arrêt
Parkstellung



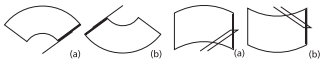
I* izquierda - left gauche - links

D* derecha - right droite - rechts

Vista desde el exterior del vehículo.
Exterior view.
Vu a l'exterieur du véhicule.
Gegen die Fahrtrichtung gesehen.

REF.	Lmm	varilla - style - tige - Stab
134.1628.GA.04	280	8x2/8x2,5/Ø5
134.1633.GA.04	330	8x2/8x2,5/Ø5
134.1638.GA.04	380	8x2/8x2,5/Ø5
134.1640.GA.04	400	8x2/8x2,5/Ø5
136.1640.GA.04	400	8x2/8x2,5/Ø5
136.1645.GA.04	450	8x2/8x2,5/Ø5
136.1650.GA.04	500	8x2/8x2,5/Ø5

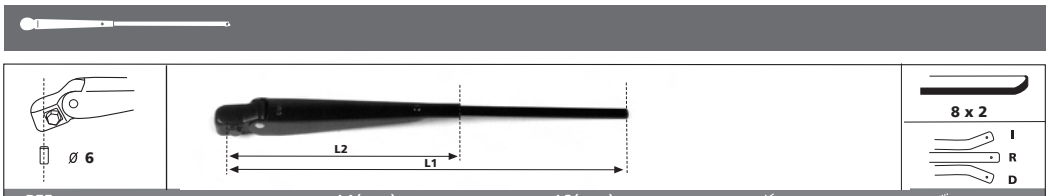
APLICACIONES ORIENTATIVAS - SUGGESTED APPLICATIONS - APPLICATIONS POUR INFORMATION - MÖGLICHE ANWENDUNGEN



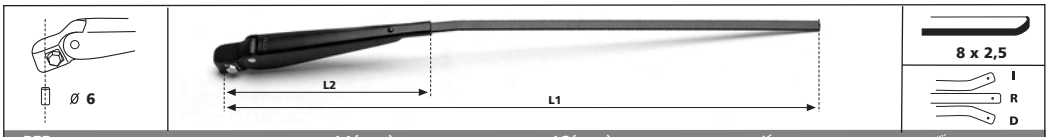
(a) max. 650 mm - 90º
(b) max. 750 mm - 110º

(a) max. 400 mm
(b) max. 500 mm

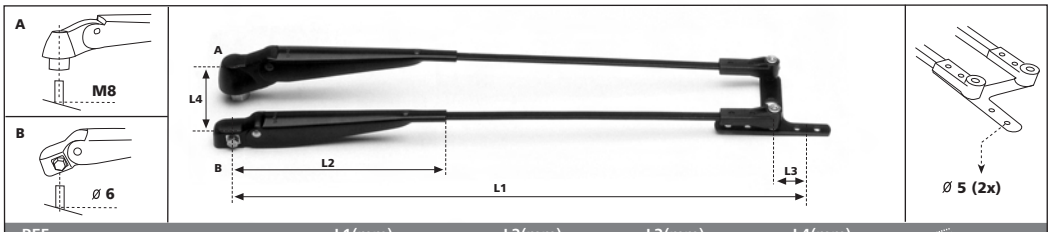
REFERENCIA / PART NUMBER / RÉFERENCE / REFERENZNUMMER	∠	L	EJE - mm / SHAFT - mm / AXE - mm / WELLE - mm	CICLOS x m / CYCLES x m / CYCLES x m / ZYCLEN x m	DISYUNTOR / THERMOSWITCH / DISJONCTEUR / THERMOSCHALTER	PARO AUTOMÁTICO / AUTOMATIC PARK / ARRET AUTOMATIQUE / PARKSTELLUNG	INTERRUPTOR / SWITCH / INTERRUPTEUR / SCHALTER	VOLTIOS / VOLTS / VOLTS / VOLT	BRAZO / ARM / BRAS / WISCHARM
113.7243.2B.*0	60º	25	M8	43	-	✓	-	12	a
113.7243.3B.*0	60º	25	M8	43	-	✓	-	24	a
113.7263.2B.*0	60º	54	M8	43	-	✓	-	12	a
113.7263.3B.*0	60º	54	M8	43	-	✓	-	24	a
113.7463.2B.*0	90º	54	M8	43	-	✓	-	12	a
113.7463.3B.*0	90º	54	M8	43	-	✓	-	24	a
113.2450.2B.00	90º	48	Ø6	43	-	-	✓	12	b
113.2450.3B.00	90º	48	Ø6	43	-	-	✓	24	b
113.2550.2B.00	110º	48	Ø6	43	-	-	✓	12	b
113.2550.3B.00	110º	48	Ø6	43	-	-	✓	24	b



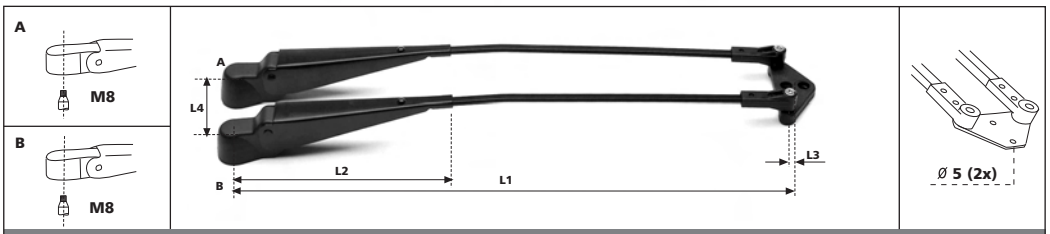
	REF.	L1(mm)	L2(mm)	∠	
b	120.0503.GA.R4	280	163	R	-
b	120.0515.GA.R4	400	163	R	-
b	120.0510.GA.R4	420	163	R	-



	REF.	L1(mm)	L2(mm)	∠	
b	120.0601.GA.R4	450	163	R	-



	REF.	L1(mm)	L2(mm)	L3(mm)	L4(mm)	
b	121.0108.GA.04	385	165	25	57	-
b	121.0109.GA.04	425	165	25	57	-
b	121.0110.GA.04	475	165	25	57	-



	REF.	L1(mm)	L2(mm)	L3(mm)	L4(mm)	
a	123.0722.GA.04	460	180	10	55	-
a	123.0723.GA.04	510	180	10	55	-
a	123.0225.GA.04	610	180	10	55	-
a	123.0227.GA.04	710	180	10	55	-

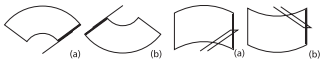
equipos con motor 116 - systems with 116 motor

équipements avec moteur 116 - Systeme mit Motor Typ 116

MOTOR - MOTEUR 116

PAR NOMINAL NOMINAL TORQUE COUPLE NOMINAL NENNDREHMOMENT	1,8 Nm.
PAR DE ARRANQUE STALL TORQUE COUPLE DE DÉMARRAGE ANZUGSMOMENT	10 Nm.
EJE - mm SHAFT - mm AXE - mm WELLE - mm	M6 M8

APLICACIONES ORIENTATIVAS - SUGGESTED APPLICATIONS - APPLICATIONS POUR INFORMATION - MÖGLICHE ANWENDUNGEN

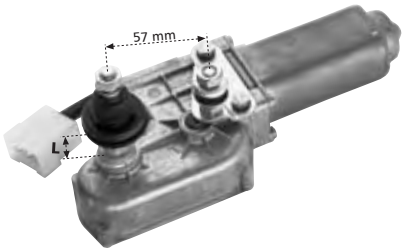


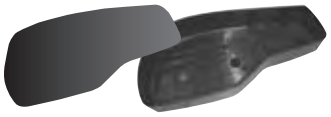
(a) max. 750 mm - 90º
(b) max. 850 mm - 110º

(a) max. 500 mm
(b) max. 500 mm

REFERENCIA PART NUMBER RÉFERENCE REFERENZNUMMER	∠	L	EJE - mm SHAFT - mm AXE - mm WELLE - mm	CICLOS x m CYCLES x m CYCLES x m ZYCLEN x m	DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER	PARO AUTOMÁTICO AUTOMATIC PARK ARRET AUTOMATIQUE PARKSTELLUNG	INTERRUPTOR SWITCH INTERRUPTEUR SCHALTER	VOLTIOS VOLTS VOLTS VOLT	BRAZO ARM BRAS WISCHARM
116.1816.2B.I0.E	110º	30(M14)	M6	47/60	-	✓	-	12	a
116.1816.3B.I0.E	110º	30(M14)	M6	47/60	-	✓	-	24	a
116.4465.2B.D0.E	90º	30	M8	50	-	✓	-	12	b
116.4465.3B.D0.E	90º	30	M8	50	-	✓	-	24	b
116.5269.2B.D0.E	80º	30(M16)	M6	50	✓	✓	-	12	a
116.5269.3B.D0.E	80º	30(M16)	M6	50	✓	✓	-	24	a
116.5465.2B.*0.E	90º	30(M16)	M6	50	-	✓	-	12	a
116.5465.3B.*0.E	90º	30(M16)	M6	50	-	✓	-	24	a
116.5862.2B.00.E	110º	30(M16)	M6	50	-	-	✓	12	a
116.5862.3B.00.E	110º	30(M16)	M6	50	-	-	✓	24	a

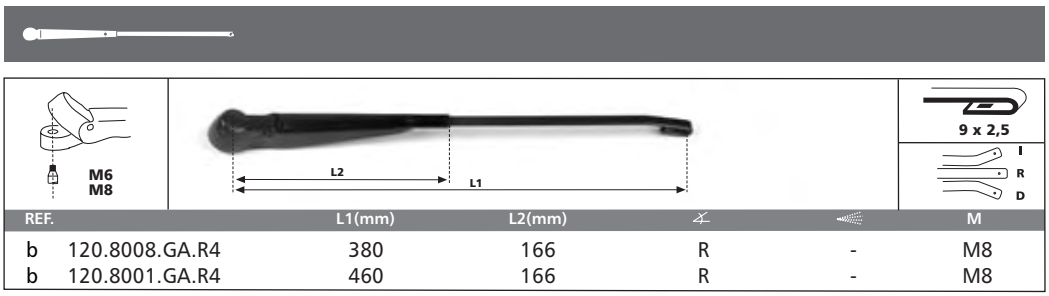
* Sustituir por I o D. Replace with I or D. Remplacer pour I ou D. Durch I oder D ersetzen.



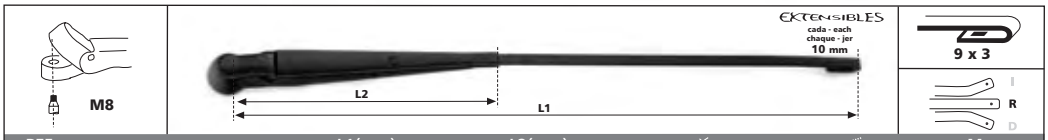


ADHESIVO CRISTAL
GLASS ADHESIVE
ADHÉSIF GLACE
SELBSTKLEBENE ABDECKFOLIE
ref.116.0006.09.00

CUBIERTA MOTOR
MOTOR COVER
COUVERTE MOTEUR
ABDECKHAUBE
ref.116.5005.18.00



REF.		L1(mm)	L2(mm)	∠		M
b	120.8008.GA.R4	380	166	R	-	M8
b	120.8001.GA.R4	460	166	R	-	M8



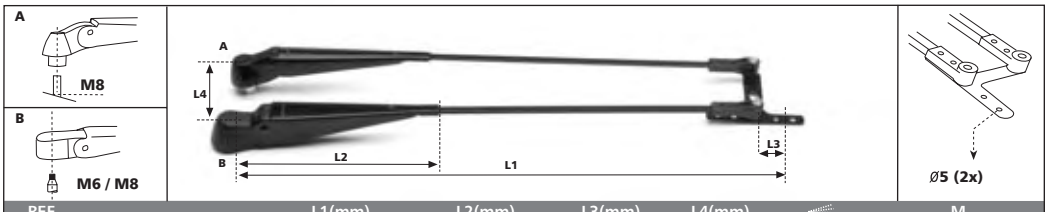
REF.		L1(mm)	L2(mm)	∠		M
b	120.4501.GA.R6	340→420	210	R	-	M8
b	120.4510.GA.R6	430→500	210	R	-	M8

Posición de Paro
Park Position
Position d'Arrêt
Parkstellung

I* izquierda - left
gauche - links

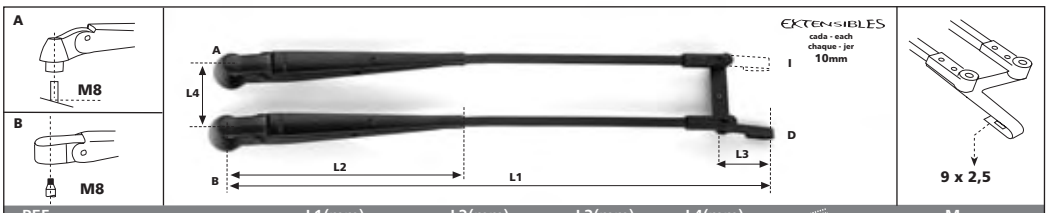
D* derecha - right
droite - rechts

Vista desde el exterior del vehículo.
Exterior view.
Vu a l'exterieur du véhicule.
Gegen die Fahrtrichtung gesehen.



REF.		L1(mm)	L2(mm)	L3(mm)	L4(mm)		M
a	121.0224.GA.04	425	165/165	25	57	-	A-M8/B-M6
b	121.0501.GA.04	475	165/180	25	57	-	A-M8/B-M8
b	121.0502.GA.04	525	165/180	25	57	-	A-M8/B-M8
b	121.0503.GA.04	575	165/180	25	57	-	A-M8/B-M8

REF.	Lmm	varilla - style - tige - Stab
134.0328.GA.04	280	9x2,5/9x3
134.0333.GA.04	330	9x2,5/9x3
134.0335.GA.04	335	9x2,5/9x3
134.0338.GA.04	338	9x2,5/9x3
136.0340.GA.04	400	9x2,5/9x3
136.0345.GA.04	450	9x2,5/9x3
136.0350.GA.04	500	9x2,5/9x3
134.1628.GA.04	280	Ø5
134.1633.GA.04	330	Ø5



REF.		L1(mm)	L2(mm)	L3(mm)	L4(mm)		M
b	121.0901.GA.I4	340→420	210	45	57	-	A-M8/B-M8
b	121.0901.GA.D4	340→420	210	45	57	-	A-M8/B-M8
b	121.0910.GA.I4	430→500	210	45	57	-	A-M8/B-M8
b	121.0910.GA.D4	430→500	210	45	57	-	A-M8/B-M8

equipos con motor 146 - systems with 146 motor

équipements avec moteur 146 - Systeme mit Motor Typ 146

MOTOR - MOTEUR 146

PAR NOMINAL NOMINAL TORQUE COUPLE NOMINAL NENNDREHMOMENT	1,8 Nm.
PAR DE ARRANQUE STALL TORQUE COUPLE DE DÉMARRAGE ANZUGSMOMENT	10 Nm.
EJE - mm SHAFT - mm AXE - mm WELLE - mm	M8

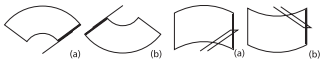
ESTE MOTOR HA SIDO DISEÑADO PARA SER FIJADO, DIRECTAMENTE, SOBRE EL CRISTAL.

SPECIAL DESIGN FOR THROUGH-THE-GLASS MOUNTING.

CE MOTEUR A ÉTÉ CONÇU POUR UNE FIXATION DIRECTE SUR LA VITRE.

DIESER MOTOR WURDE FÜR DIE MONTAGE AUF GLAS KONZIPIERT.

APLICACIONES ORIENTATIVAS - SUGGESTED APPLICATIONS - APPLICATIONS POUR INFORMATION - MÖGLICHE ANWENDUNGEN

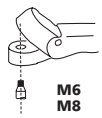


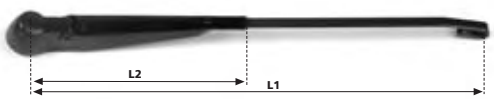
(a) max. 750 mm - 90º
(b) max. 850 mm - 110º

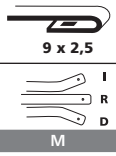
(a) max. 500 mm
(b) max. 500 mm

REFERENCIA PART NUMBER RÉFÉRENCE REFERENZNUMMER		EJE - mm SHAFT - mm AXE - mm WELLE - mm	CICLOS x m CYCLES x m CYCLES x m ZYCLEN x m	DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER	PARO AUTOMÁTICO AUTOMATIC PARK ARRET AUTOMATIQUE PARKSTELLUNG	INTERRUPTOR SWITCH INTERRUPTEUR SCHALTER	SURTIDOR NOZZLE GICLEUR SPRITZDÜSEN	VOLTIOS VOLTS VOLTS VOLT	ESPESOR CRISTAL WINDSHIELD TICKNESS EPASSEUR GLACE DURCHMESSER DER SCHEIBE	Ø TALADRO FIJACIÓN Ø MOUNTING HOLE Ø TROU DE FIXATION Ø BOHRUNG	BRAZO ARM BRAS WISCHARM
146.0038.2B.*4	95º	M8	50	✓	✓	✓	-	12	≤5	14	a,b
146.0038.3B.*4	95º	M8	50	✓	✓	✓	-	24	≤5	14	a,b
146.0400.2B.*4	175º	M8	50	-	✓	-	✓	12	≤6	16	a
146.0400.3B.*4	175º	M8	50	-	✓	-	✓	24	≤6	16	a
146.0422.2B.*4	175º	M8	50	✓	✓	-	-	12	≤6	16	a
146.0422.3B.*4	175º	M8	50	✓	✓	-	-	24	≤6	16	a

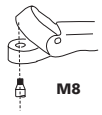
* Sustituir por I o D. Replace with I or D. Remplacer pour O ou D. Durch I oder D ersetzen.

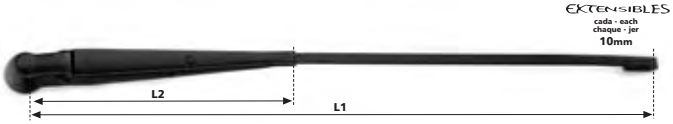


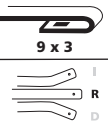




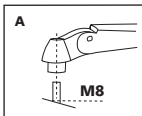
	REF.	L1(mm)	L2(mm)			M
a	120.8008.GA.R4	380	166	R	-	M8
a	120.8001.GA.R4	460	166	R	-	M8

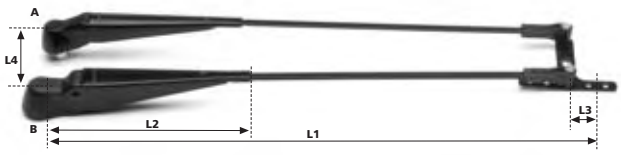


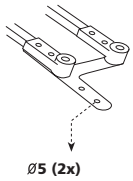




	REF.	L1(mm)	L2(mm)			M
a	120.4501.GA.R6	340→420	210	R	-	M8
a	120.4510.GA.R6	430→500	210	R	-	M8







	REF.	L1(mm)	L2(mm)	L3(mm)	L4(mm)		M
b	121.0501.GA.04	475	165/180	25	57	-	A-M8/B-M8
b	121.0502.GA.04	525	165/180	25	57	-	A-M8/B-M8
b	121.0503.GA.04	575	165/180	25	57	-	A-M8/B-M8

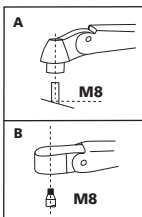
Posición de Paro
Park Position
Position d'Arrêt
Parkstellung

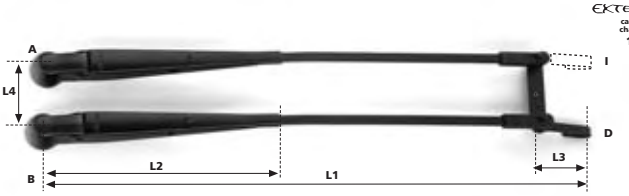
I* izquierda - left gauche - links

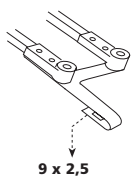
D* derecha - right droite - rechts

Vista desde el exterior del vehículo.
Exterior view.
Vu a l'exterieur du véhicule.
Gegen die Fahrtrichtung gesehen.

REF.	Lmm	varilla - style - tige - Stab
134.0328.GA.04	280	9x2,5/9x3
134.0333.GA.04	330	9x2,5/9x3
134.0335.GA.04	335	9x2,5/9x3
134.0338.GA.04	338	9x2,5/9x3
136.0340.GA.04	400	9x2,5/9x3
136.0345.GA.04	450	9x2,5/9x3
136.0350.GA.04	500	9x2,5/9x3
134.1628.GA.04	280	Ø5
134.1633.GA.04	330	Ø5







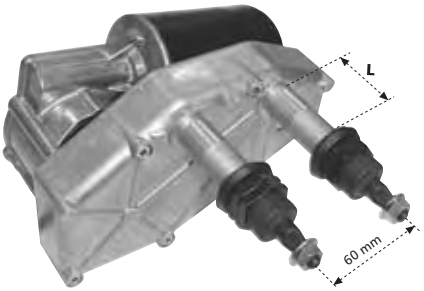
	REF.	L1(mm)	L2(mm)	L3(mm)	L4(mm)		M
b	121.0901.GA.I4	340→420	210	45	57	-	A-M8/B-M8
b	121.0901.GA.D4	340→420	210	45	57	-	A-M8/B-M8
b	121.0910.GA.I4	430→500	210	45	57	-	A-M8/B-M8
b	121.0910.GA.D4	430→500	210	45	57	-	A-M8/B-M8

equipos con motor 119 - systems with 119 motor

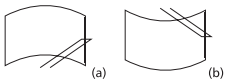
équipements avec moteur 119 - Systeme mit Motor Typ 119

MOTOR - MOTEUR 119

PAR NOMINAL NOMINAL TORQUE COUPLE NOMINAL NENNDREHMOMENT	10 Nm.
PAR DE ARRANQUE STALL TORQUE COUPLE DE DÉMARRAGE ANZUGSMOMENT	50 Nm.
EJE - mm SHAFT - mm AXE - mm WELLE - mm	M8



APLICACIONES ORIENTATIVAS - SUGGESTED APPLICATIONS - APPLICATIONS POUR INFORMATION - MÖGLICHE ANWENDUNGEN

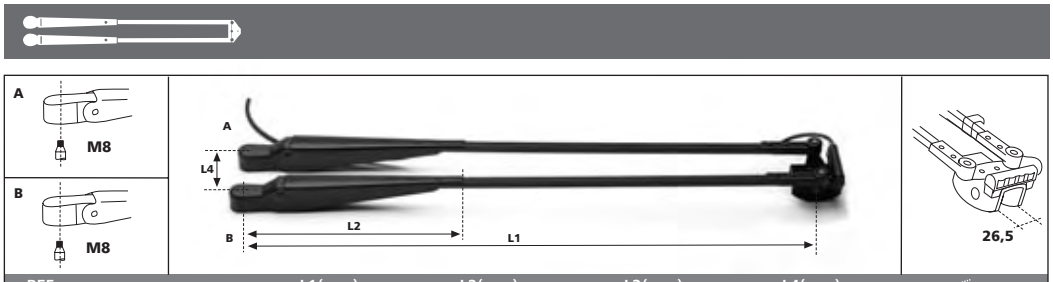


(a) máx. 1200 mm - 72º
(b) máx. 1300 mm - 80º

(a) máx. 800 mm
(b) máx. 900 mm

REFERENCIA PART NUMBER RÉFÉRENCE REFERENZNUMMER	∡	L	EJE - mm SHAFT - mm AXE - mm WELLE - mm	CICLOS x m CYCLES x m CYCLES x m ZYCLEN x m	DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER	PARO AUTOMÁTICO AUTOMATIC PARK ARRET AUTOMATIQUE PARKSTELLUNG	INTERRUPTOR SWITCH INTERRUPTEUR SCHALTER	VOLTIOS VOLTS VOLTS VOLT
119.6263.2B.*0.E	60º	48	M8	32/50	-	✓	-	12
119.6263.3B.*0.E	60º	48	M8	32/50	-	✓	-	24
119.6363.2B.*0.E	72º	48	M8	32/50	-	✓	-	12
119.6363.3B.*0.E	72º	48	M8	32/50	-	✓	-	24

* Sustituir por I o D. Replace with I or D. Remplacer pour I ou D. Durch I oder D ersetzen.



REF.	L1(mm)	L2(mm)	L3(mm)	L4(mm)	
128.0303.GA.04	700	270	-	60	✓
128.0305.GA.04	800	270	-	60	✓
128.0307.GA.04	900	270	-	60	✓

REF.	Lmm	varilla - style - tige - Stab
136.2080.GA.04	800	26,5
136.2090.GA.04	900	26,5
136.2010.GA.04	1000	26,5

Posición de Paro
Park Position
Position d'Arrêt
Parkstellung

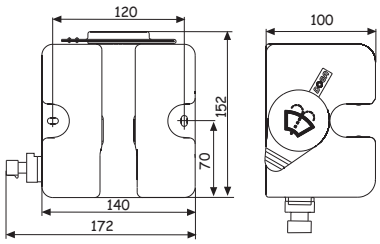
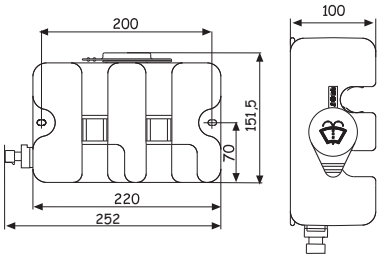
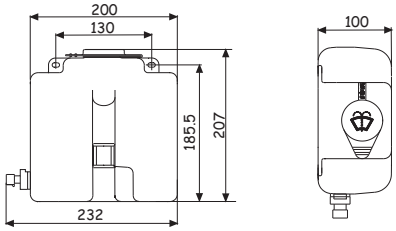
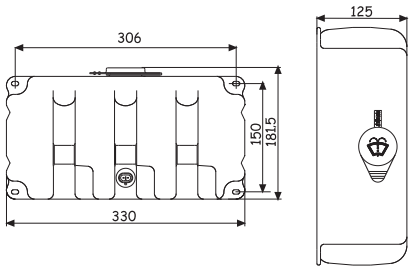
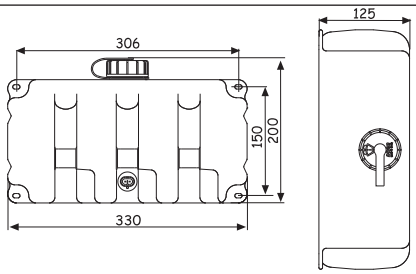
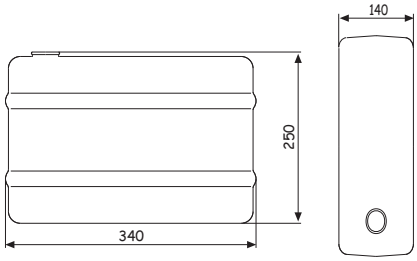
I* izquierda - left
gauche - links

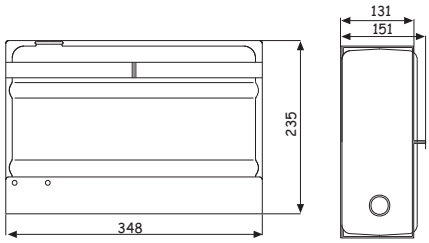
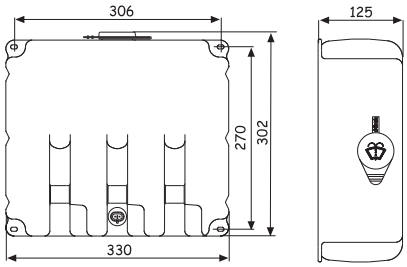
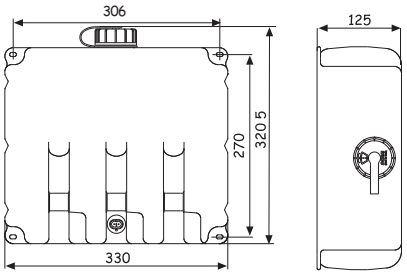
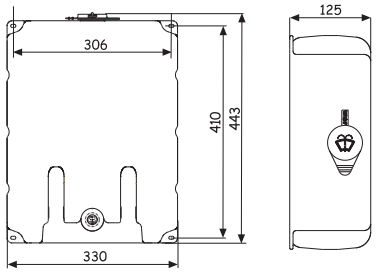
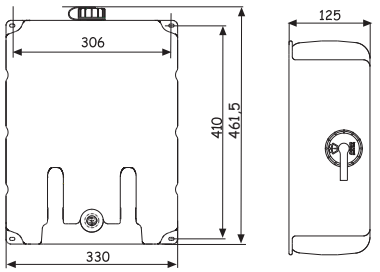
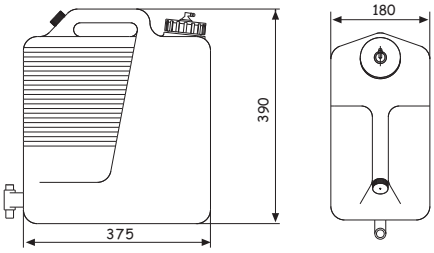
D* derecha - right
droite - rechts

Vista desde el exterior del vehículo.
Exterior view.
Vu a l'exterieur du véhicule.
Gegen die Fahrtrichtung gesehen.

equipos lavaparabrisas - washer systems

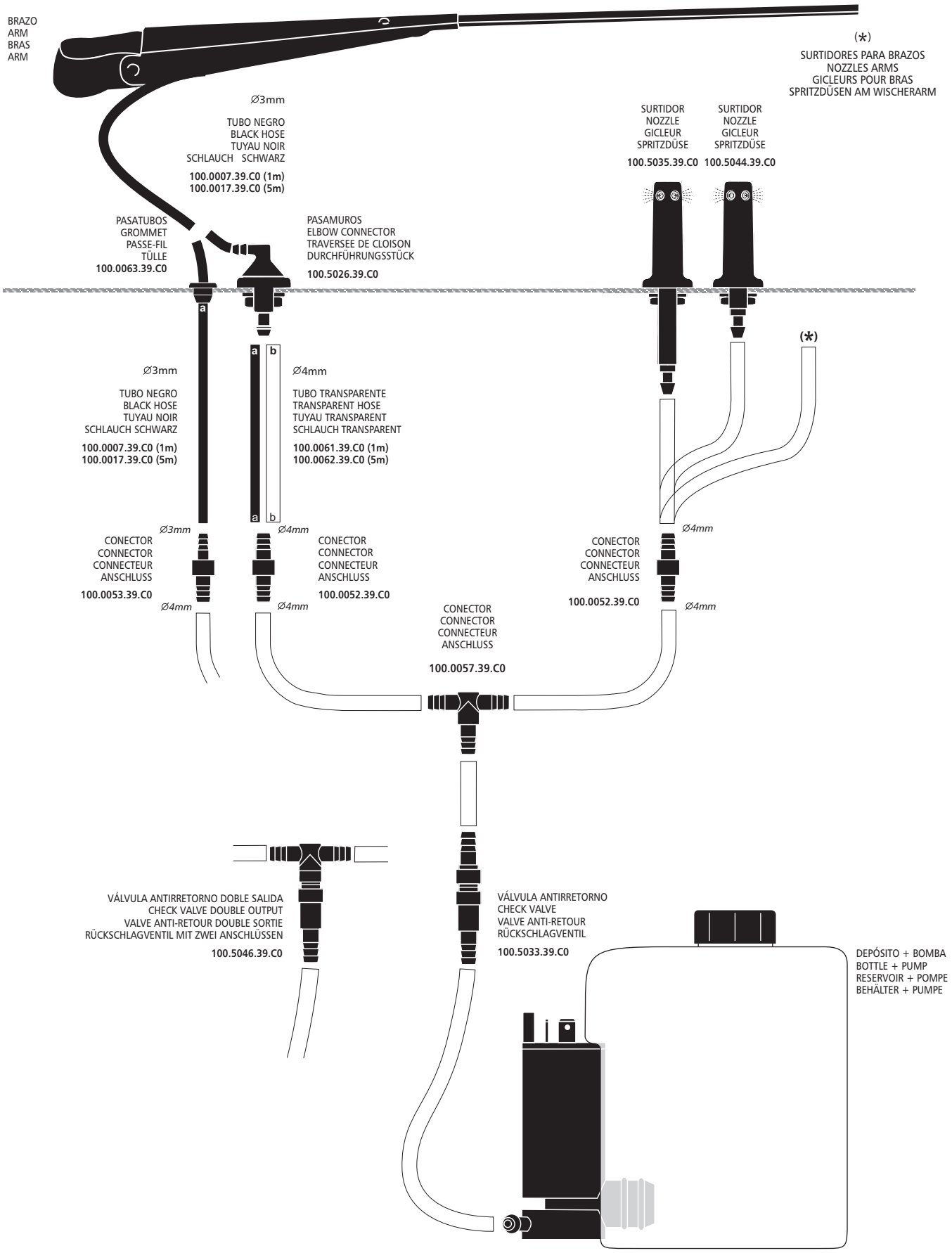
équipements lave-glace - Waschanlagen

LITROS LITERS LITRES LITER	DEPÓSITOS BOTTLES RESERVOIRS BEHÄLTER	GRÁFICO GRAPHIC GRAPHIC ZEICHNUNG	BOMBAS / PUMPS PUMPES / PUMPEN	VOLTS	REFERENCIA REFERENCE REFERENCE ARTIKELNUMMERN INDICADOR DE NIVEL LEVEL INDICATOR INDICATEUR DE NIVEAUX FÜLLSTANDANZEIGE CON / WITH AVEC / MIT	SIN / WITHOUT SANS / OHNE
1,2			1	12	231.1002.20.00	231.1001.20.00
				24	231.1002.30.00	231.1001.30.00
2,1			1	12	232.1003.20.00	232.1001.20.00
				24	232.1003.30.00	232.1001.30.00
			2	12	232.2002.20.00	232.2001.20.00
				24	232.2002.30.00	232.2001.30.00
3			1	12	233.1003.20.00	233.1001.20.00
				24	233.1003.30.00	233.1001.30.00
5,3			1	12	235.1002.20.00	235.1001.20.00
				24	235.1002.30.00	235.1001.30.00
			2	12	235.2002.20.00	235.2001.20.00
				24	235.2002.30.00	235.2001.30.00
			3	12	-	235.3001.20.00
				24	-	235.3001.30.00
	 con tapón de rosca *with screw on cap* *avec bouchon vissable* *mit Drehverschluss*		1	12	235.1004.20.00	235.1003.20.00
				24	235.1004.30.00	235.1003.30.00
			2	12	235.2004.20.00	235.2003.20.00
				24	235.2004.30.00	235.2003.30.00
			3	12	-	235.3003.20.00
				24	-	235.3003.30.00
8,7 ▶			1	12	-	230.0006.20.00
				24	-	230.0006.30.00

LITROS LITERS LITRES LITER	DEPÓSITOS BOTTLES RESERVOIRS BEHÄLTER	GRÁFICO GRAPHIC GRAPHIC ZEICHNUNG	BOMBAS / PUMPS PUMPES / PUMPEN	VOLTS	REFERENCIA REFERENCE REFERENCE ARTIKELNUMMERN INDICADOR DE NIVEL LEVEL INDICATOR INDICATEUR DE NIVEAUX FÜLLSTANDANZEIGE	
					CON / WITH AVEC / MIT	SIN / WITHOUT SANS / OHNE
8,7			1	12	-	230.5001.20.00
				24	-	230.5001.30.00
9,7			1	12	238.1002.20.00	238.1001.20.00
				24	238.1002.30.00	238.1001.30.00
			2	12	238.2002.20.00	238.2001.20.00
				24	238.2002.30.00	238.2001.30.00
			3	12	-	238.3001.20.00
				24	-	238.3001.30.00
	 con tapón de rosca *with screw on cap* *avec bouchon vissable* *mit Drehverschluss*		1	12	238.1004.20.00	238.1003.20.00
				24	238.1004.30.00	238.1003.30.00
			2	12	238.2004.20.00	238.2003.20.00
				24	238.2004.30.00	238.2003.30.00
			3	12	-	238.3003.20.00
				24	-	238.3003.30.00
15						
			1	12	239.1002.20.00	239.1001.20.00
				24	239.1002.30.00	239.1001.30.00
			2	12	239.2002.20.00	239.2001.20.00
				24	239.2002.30.00	239.2001.30.00
						
			1	12	239.1004.20.00	239.1003.20.00
				24	239.1004.30.00	239.1003.30.00
			2	12	239.2004.20.00	239.2003.20.00
				24	239.2004.30.00	239.2003.30.00
20			1	12	-	230.0007.20.00
				24	-	230.0007.30.00

	EQUIPOS ESTÁNDAR STANDARD SYSTEMS EQUIPEMENTS STANDARD STANDARDANLAGEN		DEPÓSITO CON TAPÓN BOTTLE CAP INCLUDED RESERVOIR AVEC BOUCHON BEHÄLTER MIT KAPPE		TAPÓN CAP BOUCHON KAPPE	BOMBA PUMP POMPE PUMPE	INDICADOR INDICATOR INDICATEUR ANZEIGE	SOPORTE SUPPORT SUPPORT TRÄGER
LITROS LITERS LITRES LITER	CON WITH AVEC MIT INDICADOR DE NIVEL LEVEL INDICATOR INDICATEUR DE NIVEAUX FÜLLSTANDANZEIGE	SIN WITHOUT SANS OHNE INDICADOR DE NIVEL LEVEL INDICATOR INDICATEUR DE NIVEAUX FÜLLSTANDANZEIGE	PARA EQUIPO CON: FOR SYSTEM WITH: POUR EQUIPEMENT AVEC: FÜR ANLAGE MIT: INDICADOR DE NIVEL LEVEL INDICATOR INDICATEUR DE NIVEAUX FÜLLSTANDANZEIGE	PARA EQUIPO SIN: FOR SYSTEM WITHOUT: POUR EQUIPEMENT SANS: FÜR ANLAGE OHNE: INDICADOR DE NIVEL LEVEL INDICATOR INDICATEUR DE NIVEAUX FÜLLSTANDANZEIGE		***.****.20.00 = 12 V ***.****.30.00 = 24 V	INDICADOR DE NIVEL LEVEL INDICATOR INDICATEUR DE NIVEAUX FÜLLSTANDANZEIGE	
1,2	231.1002.20.00 231.1002.30.00	231.1001.20.00 231.1001.30.00	230.5031.39.00 230.5031.39.00	230.5025.39.00 230.5025.39.00	230.0012.39.C0 230.0012.39.C0	201.0002.20.00 201.0002.30.00	100.5061.39.00 100.5061.39.00	- -
2,1	232.1003.20.00 232.1003.30.00 232.2002.20.00 232.2002.30.00	232.1001.20.00 232.1001.30.00 232.2001.20.00 232.2001.30.00	230.5013.39.00 230.5013.39.00 230.5014.39.00 230.5014.39.00	230.5005.39.00 230.5005.39.00 230.5006.39.00 230.5006.39.00	230.0012.39.C0 230.0012.39.C0 230.0012.39.C0 230.0012.39.C0	201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00	100.5061.39.00 100.5061.39.00 100.5061.39.00 100.5061.39.00	- - - -
3	233.1003.20.00 233.1003.30.00	233.1001.20.00 233.1001.30.00	230.5032.39.00 230.5032.39.00	230.5022.39.00 230.5022.39.00	230.0012.39.C0 230.0012.39.C0	201.0002.20.00 201.0002.30.00	100.5061.39.00 100.5061.39.00	- -
5,3	235.1002.20.00 235.1002.30.00 235.2002.20.00 235.2002.30.00 - -	235.1001.20.00 235.1001.30.00 235.2001.20.00 235.2001.30.00 235.3001.20.00 235.3001.30.00	230.5015.39.00 230.5015.39.00 230.5016.39.00 230.5016.39.00 - -	230.5007.39.00 230.5007.39.00 230.5008.39.00 230.5008.39.00 230.5009.39.00 230.5009.39.00	230.0012.39.C0 230.0012.39.C0 230.0012.39.C0 230.0012.39.C0 230.0012.39.C0 230.0012.39.C0	201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00	100.5061.39.00 100.5061.39.00 100.5061.39.00 100.5061.39.00 - -	- - - - - -
	235.1004.20.00 235.1004.30.00 235.2004.20.00 235.2004.30.00 - -	235.1003.20.00 235.1003.30.00 235.2003.20.00 235.2003.30.00 235.3003.20.00 235.3003.30.00	230.5029.39.00 230.5029.39.00 230.5030.39.00 230.5030.39.00 - -	230.5026.39.00 230.5026.39.00 230.5027.39.00 230.5027.39.00 230.5028.39.00 230.5028.39.00	230.5024.39.C0 230.5024.39.C0 230.5024.39.C0 230.5024.39.C0 230.5024.39.C0 230.5024.39.C0	201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00	100.5061.39.00 100.5061.39.00 100.5061.39.00 100.5061.39.00 - -	- - - - - -
8,7	- -	230.0006.20.00 230.0006.30.00	- -	230.5004.39.00 230.5004.39.00	100.5031.39.C0 100.5031.39.C0	200.0006.20.00 200.0006.30.00	- -	- -
	- -	230.5001.20.00 230.5001.30.00	- -	230.5004.39.00 230.5004.39.00	100.5031.39.C0 100.5031.39.C0	200.0006.20.00 200.0006.30.00	- -	230.5001.04.00 230.5001.04.00
9,7	238.1002.20.00 238.1002.30.00 238.2002.20.00 238.2002.30.00 - -	238.1001.20.00 238.1001.30.00 238.2001.20.00 238.2001.30.00 238.3001.20.00 238.3001.30.00	230.5017.39.00 230.5017.39.00 230.5018.39.00 230.5018.39.00 - -	230.5010.39.00 230.5010.39.00 230.5011.39.00 230.5011.39.00 230.5012.39.00 230.5012.39.00	230.0012.39.C0 230.0012.39.C0 230.0012.39.C0 230.0012.39.C0 230.0012.39.C0 230.0012.39.C0	201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00	100.5061.39.00 100.5061.39.00 100.5061.39.00 100.5061.39.00 - -	- - - - - -
	238.1004.20.00 238.1004.30.00 238.2004.20.00 238.2004.30.00 - -	238.1003.20.00 238.1003.30.00 238.2003.20.00 238.2003.30.00 238.3003.20.00 238.3003.30.00	230.5036.39.00 230.5036.39.00 230.5037.39.00 230.5037.39.00 - -	230.5033.39.00 230.5033.39.00 230.5034.39.00 230.5034.39.00 230.5035.39.00 230.5035.39.00	230.5024.39.C0 230.5024.39.C0 230.5024.39.C0 230.5024.39.C0 230.5024.39.C0 230.5024.39.C0	201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00	100.5061.39.00 100.5061.39.00 100.5061.39.00 100.5061.39.00 - -	- - - - - -
15	239.1002.20.00 239.1002.30.00 239.2002.20.00 239.2002.30.00	239.1001.20.00 239.1001.30.00 239.2001.20.00 239.2001.30.00	230.5041.39.00 230.5041.39.00 230.5042.39.00 230.5042.39.00	230.5039.39.00 230.5039.39.00 230.5040.39.00 230.5040.39.00	230.0012.39.C0 230.0012.39.C0 230.0012.39.C0 230.0012.39.C0	201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00	100.5061.39.00 100.5061.39.00 100.5061.39.00 100.5061.39.00	- - - -
	239.1004.20.00 239.1004.30.00 239.2004.20.00 239.2004.30.00	239.1003.20.00 239.1003.30.00 239.2003.20.00 239.2003.30.00	230.5045.39.00 230.5045.39.00 230.5046.39.00 230.5046.39.00	230.5043.39.00 230.5043.39.00 230.5044.39.00 230.5044.39.00	230.5024.39.C0 230.5024.39.C0 230.5024.39.C0 230.5024.39.C0	201.0002.20.00 201.0002.30.00 201.0002.20.00 201.0002.30.00	100.5061.39.00 100.5061.39.00 100.5061.39.00 100.5061.39.00	- - - -
20	- -	230.0007.20.00 230.0007.30.00	- -	230.5003.39.00 230.5003.39.00	230.5038.39.C0 230.5038.39.C0	200.0006.20.00 200.0006.30.00	- -	- -

ACCESORIOS - ACCESSORIES - ACCESSOIRES - ZUBEHÖR



obras públicas y agrícola - Off-road machinery

travaux publics et agriculture - Agrar- und Baumaschinen

* PRODUCTO PRODUCT PRODUIT PRODUKT	1	motor motor moteur Motor	2	brazo arm bras Wischarm	3	escobilla blade balai Wischblatt

VEHÍCULO VEHICLE VEHICULE FAHRZEUG	MODELO MODEL MODÈLE MODELL	AÑO YEAR ANNÉE JAHR	PRODUCTO PRODUCT PRODUIT PRODUKT *	LONGITUD LENGTH LONGUEUR LÄNGE	REFERENCIA DOGA DOGA REFERENCE RÉFERENCE DOGA REF. DOGA
AGRIA	6900-D1		3	400 mm	134.1640.GA.04
AHLMANN	AL4, AL7D, AL8C		3	550 mm	127.0702.GA.04
	AL4, AL7D, AL8C		3	700 mm	136.2070.GA.04
	AL7-AL8, -S, AS7C, -CS		2	340 mm	120.0505.GA.R4
	AL7-AL8, -S, AS7C, -CS		2	420 mm	120.0510.GA.R4
	AL7-AL8, -S, AS7C, -CS		2	420 mm	120.0510.GA.R4
	AS10, AS15, AS18		2	450 mm	120.7202.GA.R4
	AS10, AS15, AS18		3	500 mm	135.1650.GA.04
ALLRAD-Rangiertechnik	DH 30, 60, 80, 90, 100, 120, 140, 300, 340		3	600 mm	136.2060.GA.04
ATLAS-WEYHAUSEN	360		3	700 mm	136.2070.GA.04
	2004		3	600 mm	136.2060.GA.04
	1204, 1304, 1404, 1604,		3	600 mm	136.2060.GA.04
	1704		3	600 mm	136.2060.GA.04
	1704 LC, 1804		3	700 mm	136.2070.GA.04
	404-504-604		2	450 mm	120.7202.GA.R4
	404-504-604		3	400 mm	134.1640.GA.04
	AR 41B, -45B, -51C, CE, -61 B		2	450 mm	120.7202.GA.R4
	AR 41B, -45B, -51C, CE, -61 B		3	400 mm	134.1640.GA.04
	AR51C / CE		2	450 mm	120.7202.GA.R4
	AR61B		2	450 mm	120.7202.GA.R4
BERGMEISTER	453, 553, 654		1	85º	112.1380.20.00
BOBCAT	335		3	500 mm	136.0350.GA.04
BOMAG	BC 601 RB		3	700 mm	136.2070.GA.04
	BW 142 D-2, BW 172, BW 213, BW 217		3	700 mm	136.2070.GA.04
	BW 144 AC, -AD		3	600 mm	136.0360.GA.04
	BW 161 AC, -AD		3	600 mm	136.0360.GA.04
	BW 164 AD, BW 202 AD		3	600 mm	136.0360.GA.04
BOSS	567		2	450 mm	120.7202.GA.R4
	G 1512, G 4212		3	700 mm	136.2070.GA.04
	G 4212		3	500 mm	136.2050.GA.04
	H 70		3	350 mm	134.1635.GA.04
BROYT	X 42 TF, X 52 WF		3	600 mm	136.0360.GA.04
CASE	1255 XL, 1455XL		3	650 mm	136.2065.GA.04
	433, 533, 633, 733, 833, 933, 1594		2	400 mm	120.6302.GA.R4
	433, 533, 633, 733, 833, 933, 1594		3	400 mm	136.0340.GA.04
	433, 533, 633, 733, 833, 933, 1594		3	500 mm	136.0350.GA.04
	743, 745, 844, 856, 940, 956, 1056		2	400 mm	120.6302.GA.R4
	743, 745, 844, 856, 940, 956, 1056		3	500 mm	136.0350.GA.04
	2150		1	110º	112.1540.20.00
CATERPILLAR	ATX D250X FRONT		1	110º	111.9636.3C.D0
	CAT 213 LC, -215 BLC, -BSA, -225 LC, -229, -235C		3	600 mm	136.0360.GA.04
	CAT 213 LC, -215 C, -229 D, -235 C		3	500 mm	136.0350.GA.04
	CAT 213 LC, -215 C, -229 D, -235 C		3	600 mm	136.0360.GA.04
	CAT 214, -BFT, -224 B		3	500 mm	136.0350.GA.04
	CAT 214, -BFT, -224 B		3	600 mm	136.2060.GA.04
	CAT 215 BLC, -BSA, -225 LC, -229		3	500 mm	136.0350.GA.04
	CAT 235 B		3	600 mm	136.0360.GA.04
	CAT 426, -428, -438, -953, -963		3	600 mm	136.0360.GA.04
	CAT 916, -926, -936, -966D, --E, 980 C		3	600 mm	136.2060.GA.04
	CAT 936 E		3	500 mm	136.2050.GA.04
	CAT 936 E, CAT 653		3	700 mm	136.2070.GA.04
	CAT 950 E		3	600 mm	136.2060.GA.04
	CAT CB 434		3	600 mm	136.2060.GA.04
	CAT CS 563		3	500 mm	136.0350.GA.04
	CAT D 250. CAT 950 E		3	500 mm	136.0350.GA.04
	CAT D 30 C. CAT 235 B		3	500 mm	136.0350.GA.04
	CAT D 30 D, -40 D		3	500 mm	136.0350.GA.04
	CAT IT 18, -28		3	500 mm	136.2050.GA.04
	CAT IT 18, -28		3	700 mm	136.2070.GA.04
	CB4X FRONT (TIM)		1	80º	111.9664.2C.D0
	CB4X REAR (TIM)		1	90º	116.9235.2C.D0

VEHÍCULO VEHICLE VÉHICULE FAHRZEUG	MODELO MODEL MODÈLE MODELL	AÑO YEAR ANNÉE JAHR	PRODUCTO PRODUCT PRODUIT PRODUKT *	LONGITUD LENGTH LONGUEUR LÄNGE	REFERENCIA DOGA DOGA REFERENCE RÉFERÉNCE DOGA REF. DOGA
(CATERPILLAR)	COMPACTOR 810		1	60º	111.9659.3C.I0
	L.O.H.T. 797 (BUBBA)		1	-	119.9028.3C.00
	LWL 990-992 QUARTER PANEL (L)		1	30º	111.9662.3B.I0
	LWL 990-992 QUARTER PANEL (R)		1	30º	111.9663.3B.D0
	610/611 - FRONT		1	85º	111.9656.3C.D0
	610/611 - REAR		1	85º	111.9655.3C.I0
	STTT D3-D4 DOOR (LH)		1	110º	146.0044.2C.D4
	STTT D3-D4 DOOR (RH)		1	110º	146.0044.2C.I4
	STTT D3-D4 FRONT. JAP/CLAY		1	30º	111.9647.2B.D0
	STTT D3-D4 FRONT. JAP/CLAY		1	30º	111.9647.2B.D0
	TTT D5M-D6M (TIM) FRONT		1	70º	116.9236.3C.D0
	TTT D5M-D6M (TIM) LH-DOOR		1	135º	116.9675.3C.D0
	TTT D5M-D6M (TIM) REAR		1	110º	116.9237.3C.D0
	TTT D5M-D6M (TIM) RH-DOOR		1	135º	116.9675.3C.I0
	TTT D6-7-8 LEFT DOOR		1	105º	116.9239.3C.I0
	TTT D6-7-8 RIGHT DOOR		1	105º	116.9239.3C.D0
	515 - FRONT		1	105º	116.9130.3B.I0
	515 - REAR		1	85º	116.9129.3B.D0
	525-545		1	-	111.9067.3C.00
CLARK	DPL 60		3	500 mm	136.2050.GA.04
	DPM15L, -17N, -20N, -25L, -N GPML15L, -25		3	600 mm	127.0903.GA.04
	DPM15L, -17N, -20N, -25L, -N GPML15L, -25		3	700 mm	136.2070.GA.04
	DPM15L, -17N, -20N, -25L, -N GPML15L, -25		3	700 mm	136.2070.GA.04
	EPM 30 C, DPL 120		3	700 mm	136.2070.GA.04
CLASS	Dominator, Jaguar		2	400 mm	120.6302.GA.R4
	Dominator, Jaguar	9.85 →	3	600 mm	136.0360.GA.04
DAEWOO	Mega 400		3	700 mm	136.2070.GA.04
DEMAG	AC 435, AC 1200		3	700 mm	136.2070.GA.04
DRESSER	D 510 B, D 515 B, D 520 B		3	600 mm	136.2060.GA.04
	D 530 C		3	500 mm	136.2050.GA.04
	D 555		3	600 mm	136.0360.GA.04
EDER	803, 805, 815 B, 825 B, 835 B		3	500 mm	136.0350.GA.04
	803, 805, 815 B, 825 B, 835 B		3	600 mm	136.2060.GA.04
	803, 805, 815 B, 825 B, 835 B		3	700 mm	136.2070.GA.04
EICHER	3042 hasta 3066		2	340 mm	120.0505.GA.R4
	635, 645, 680, 3042		2	340 mm	120.0505.GA.R4
	635, 645, 680, 3042		3	400 mm	134.1640.GA.04
	635, 645, 680, 3042		1	85º	112.1380.20.00
	3072 hasta 3075		2	450 mm	120.7202.GA.R4
	3072 hasta 3075		3	500 mm	135.1650.GA.04
	635, 645, 680, 3042 ... 3066		3	400 mm	134.1640.GA.04
FAUN	AR 300 E		3	600 mm	136.0360.GA.04
	HKO 28		3	600 mm	136.2060.GA.04
	RTF 30-2, -40-3, -60-4, -80-4		3	500 mm	135.1650.GA.04
	RTF 30-2, -40-3, -60-4, -80-4		3	700 mm	136.2070.GA.04
	RTF 30-2		3	600 mm	136.2060.GA.04
FENDT	200V, -P, -205V, -P,		1	110º	112.1540.20.00
	240S, -250S, -260V,		1	110º	112.1540.20.00
	270V, -275S, -V		1	110º	112.1540.20.00
	380 GT, -GTA, -KGT, 395 GT		3	600 mm	136.0360.GA.04
	Favorit 610 LS ... 615 LS		3	600 mm	136.0360.GA.04
	Geräteträger 231 GT, 360 GT, 365 GTA,		3	600 mm	136.0360.GA.04
	303 hasta 312		3	600 mm	136.0360.GA.04
FIAT AGRI	45-66, 55-66, 60-66, 70-66		2	420 mm	120.0510.GA.R4
	45-66, 55-66, 60-66, 70-66		2	340 mm	120.0505.GA.R4
	60-90, 65-90, 70-90		2	420 mm	120.0510.GA.R4
	60-90, 65-90, 70-90		2	340 mm	120.0505.GA.R4
	60-90, 65-90, 70-90		3	400 mm	134.1640.GA.04
	3500, 3750		3	600 mm	136.2060.GA.04
	45-66 ... 70-66		3	400 mm	134.1640.GA.04
FIATALLIS	Benati 2.20t, -2000 Syncro 4WS		3	500 mm	136.0350.GA.04
	FD 10 E		3	600 mm	136.2060.GA.04
	FR 7 B. FL 10 E		3	500 mm	136.0350.GA.04
FIATALLIS	FR 9 C, -130, -160, -220		3	700 mm	136.2070.GA.04

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FIAT-HITACHI	FH 120, -150, -200, -220, -300		3	500 mm	136.0350.GA.04
FORD	4830, 5110, 5610, 6610, 6640,		3	500 mm	136.0350.GA.04
	7840, 8240, 8340		3	500 mm	136.2050.GA.04
FRITZMEIER	Combi-Cab, Kompaktkabine 770		3	500 mm	136.0350.GA.04
	Vario-Cab		3	500 mm	136.0350.GA.04
FUCHS	713., 714., 722.. 112 M, 118 M		3	600 mm	136.2060.GA.04
GROVE	AT 422 E, AT 1100		3	600 mm	136.2060.GA.04
	AT 635 E		3	700 mm	136.2070.GA.04
	AT 750 BE, TT 865 BE, AT 885		3	600 mm	136.0360.GA.04
	AT 750 BE, TT 865 BE, AT 885		3	700 mm	136.2070.GA.04
	TMS 635 BE, AT 750 E		3	600 mm	136.2060.GA.04
GUTBROD	2350D hasta 2600 DAS,		2	340 mm	120.0505.GA.R4
	2350D hasta 2600 DAS,		3	400 mm	134.1640.GA.04
	4200, 4250, 4350		2	340 mm	120.0505.GA.R4
	4200, 4250, 4350		3	400 mm	134.1640.GA.04
HAINZI	200 LSE		3	350 mm	134.1635.GA.04
HAKO	1500, 1350, 2700 DA, 2750 DA		1	85º	112.1380.20.00
	1500, 1350, 2700 DA, 2750DA		2	340 mm	120.0505.GA.R4
	2700 DA, -2750 DA		3	400 mm	134.1640.GA.04
	Jonas 1500,		3	400 mm	134.1640.GA.04
	Variotrac 1350,		3	400 mm	134.1640.GA.04
HAMM	2315 SDO		2	420 mm	120.0510.GA.R4
	2315 SDO		3	600 mm	127.0903.GA.04
	2315 SDO		3	400 mm	134.1640.GA.04
	Dumper Raco 250		3	600 mm	136.2060.GA.04
	DV3K, DRW15,		2	450 mm	120.7202.GA.R4
	HD085, DV6-8		2	450 mm	120.7202.GA.R4
	HW90B / 10		2	420 mm	120.0510.GA.R4
	HW90B/10		1	85º	112.1380.20.00
	4011, 6011, 7010		3	500 mm	136.0350.GA.04
	HW 90 B/100		3	400 mm	134.1640.GA.04
	2315 SDO, 4011, 6011, 7010		3	700 mm	136.2070.GA.04
	DV 10		3	600 mm	136.0360.GA.04
HANOMAG	6D, 20E, 35DI, 50E		2	340 mm	120.0505.GA.R4
	70E		3	600 mm	127.0903.GA.04
	D 600 D, D 700 D		3	600 mm	136.0360.GA.04
	HD 130, HC 260		3	500 mm	136.2050.GA.04
	C 55 D, C 66 D, CL 66 D		3	350 mm	134.1635.GA.04
	C 55 D, C 66 D, CL 66 D		3	600 mm	136.0360.GA.04
	D 400 D, D 500 D,		3	600 mm	136.0360.GA.04
	D 66 D		3	350 mm	134.1635.GA.04
	D 66 D		3	600 mm	136.0360.GA.04
	22 D, 33 D, 55 D, 66 D, 77 D		3	350 mm	134.1635.GA.04
	22 D, 33 D, 70 E		3	700 mm	136.2070.GA.04
	55 D, 66D, 77D		3	600 mm	136.0360.GA.04
	6 D, 20 E, 35 DI, 50 E		3	400 mm	134.1640.GA.04
	6 D, 20 E, 35 DI, 50 E		3	600 mm	136.2060.GA.04
	70 E		3	500 mm	136.2050.GA.04
HURLIMANN	466-4		2	340 mm	120.0505.GA.R4
	H 466-4		3	400 mm	134.1640.GA.04
HYDREMA	604		3	600 mm	136.2060.GA.04
HYSTER	12.00-12 ET		3	600 mm	136.2060.GA.04
	5.00, 7.00		3	350 mm	134.1635.GA.04
	5.00, 7.00		3	700 mm	136.2070.GA.04
HYTRACK	150 HVS, 200 LSE		3	550 mm	133.0355.GA.04
JCB	520		2	300 mm	120.6306.GA.R4
	801		1	70º	116.8159.2B.I0 N E
	1CX		2	450 mm	120.7208.GA.I4
	1CX		1	70º	116.9204.2B.00
	2000 Series		2	530 mm	120.8802.GA.R4
	2000 Series		3	600 mm	136.2060.GA.04
	2000 Series / ADT		2	290 mm	120.6508.GA.R4
	2000 Series / ADT		3	650 mm	136.2065.GA.04

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(JCB)	2000 Series, ADT		2	700 mm	127.0909.GA.04
	2000 Series, P46 rear		3	450 mm	135.0345.EA.04
	2CX		2	500 mm	121.0226.GA.04
	2CX		2	500 mm	120.7203.GA.R4
	3CX, 4CX		2	365 mm	120.6401.GA.R4
	3CX, 4CX		2	575 mm	127.0708.GA.04
	3CX, 4CX		3	500 mm	136.0350.EA.14
	3CX, 4CX		3	650 mm	136.2065.GA.04
	3CX, 4CX		1	100º	111.9566.2C.D0
	407, 411, TM		2	600 mm	127.0104.GA.04
	411-456		2	400 mm	121.0607.GA.04
	411-456		2	650 mm	128.0804.GA.04
	411-456		3	800 mm	136.2080.GA.04
	411-456		1	72º	119.9577.3B.D0
	412, 414, 416		2	650 mm	128.0403.GA.04
	412-414		3	700 mm	136.1770.GA.04
	412S, 414S		3	450 mm	136.1645.EA.04
	426, 456		1	105º	116.9215.3C.D0
	506, 508		1	90º	116.7413.2C.00 N.E
	506, 508, 530, 532, 535, 537, 540		2	400 mm	120.7201.GA.R4
	520		3	500 mm	136.2050.GA.04
	520		3	300 mm	134.0330.GA.04
	520, 526, 528		2	335 mm	120.6317.GA.R4
	520, 526, 528		3	700 mm	136.1770.GA.14
	520, 526, 528		3	330 mm	134.0333.EA.04
	520, 526, 528, 530, 540, 535, 537		1	70º	111.9541.2C.D0
	520, RTFL		3	400 mm	134.0340.EA.04
	520, TLT		2	650º	127.0904.GA.04
	520-50		1	90º	116.7419.2B.D0 N E
	520-540		3	700 mm	136.2070.GA.04
	530, 532, 535, 537, 540		2	600 mm	127.0903.GA.04
	530, 532, 535, 537, 540		2	350º	120.6522.EA.D4
	530, 532, 535, 537, 540		1	105º	116.8659.2C.D0 N E
	801, 802, 803, 804, 805.2		1	70º	116.0180.2C.I0 E
	802, 803, 804, 805		2	520º	120.8903.GA.I4
	802, 803, 804, 805		3	500 mm	136.0350.EA.04
	ADT		1	-	119.9014.3B.00
	Fastrac 2000 / ADT		3	450 mm	135.0345.EA.04
	Front 2000/3000		1	-	119.9014.2B.00
	Front Robot 160-170, 190-1110		1	70º	111.9648.2C.D0
	P21		2	700 mm	127.0911.GA.04
	P21		2	700 mm	127.0911.GA.04
	P21		3	650 mm	136.2065.GA.14
	P21		1	100º	111.9658.2C.D0
	P41		1	90º	116.9182.2C.D0
	P46		2	615 mm	120.8954.GA.R4
	P46		1	110º	116.7819.2C.D0 N E
	P46		1	70º	111.9680.2C.D0
	Rear 2000 Series		1	110º	116.9172.2B.I4
	Rear 3CX, 4CX		1	110º	116.9181.2C.D4
	Rear P21		2	432 mm	120.8938.GA.R4
	Rear P21		1	90º	116.9234.2C.D4
	Rear P36/P38		1	90º	116.9183.2C.00
	Rear Robot 160/170		1	60º	116.7009.2C.D0 N E
	Rear Robot 190-1110		1	70º	116.7109.2C.D0 N E
	Rear Robot 190-1110 - 160/170		2	300 mm	121.0222.GA.04
	Robot 190-1110 front / Robot 160/170 front		2	500 mm	127.0901.GA.04
	RTFL/1CX/2CX		3	600 mm	136.1660.GA.04
	TLT 50-50		1	60º	111.9556.2C.D0
	TM 200		2	400 mm	121.0224.GA.04
	TM 200		3	400 mm	134.1640.GA.04
	TM 270		2	500 mm	121.0326.GA.04
	TM 270, 1CX, 2CX, 4CX, 506-540		3	500 mm	136.1650.EA.14
	TM 300		2	600 mm	128.0402.GA.04
	TM300		1	100º	111.9660.2C.I0
	Trac		3	600 mm	136.2060.GA.04
	Trac (Heck)		3	600 mm	136.0360.GA.04
JOHN DEERE	1055		3	700 mm	127.0905.GA.04
	2345		1	110º	112.1540.20.00
	1040-1140-1950		2	400 mm	120.6302.GA.R4

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(JOHN DEERE)	1640, 2040, 2140, 3040, 3140, 3640		3	500 mm	136.0350.GA.04
	6-7000		2	463 mm	120.5201.EA.R4
	6-7000, TH R		3	500 mm	136.0350.EA.04
	7000 F, 8-9000 F+R		2	470 mm	120.8924.EA.R4
	7000 F., 8-9000 F+R		3	600 mm	136.0360.EA.04
	7000 R		2	380 mm	120.6501.EA.R4
	7000 R		1	110º	116.9105.2B.04
	7000 R.		3	400 mm	134.0340.EA.04
	7000 R.		1	110º	146.0032.2C.04
	1055		3	700 mm	136.2070.GA.04
	1140.		3	500 mm	136.0350.GA.04
	2850, 3350, 4350, 4450, 4650		3	500 mm	136.2050.GA.04
	6100, 6200, 6400, 7600		3	600 mm	136.0360.GA.04
	TH F		2	800 mm	128.0108.GA.04
	TH F		3	650 mm	136.1765.GA.04
	TH R		2	500 mm	120.8901.EA.R4
	TH R		1	85º	116.4369.2C.I0E
	TH RO		2	815 mm	120.2901.EA.R4
	TH RO		3	400 mm	136.0340.GA.04
KALMAR	EC 12/1200		3	600 mm	136.0360.GA.04
	Hyco IH 145, -407		3	500 mm	136.2050.GA.04
	Hyco IH 145, -407		3	600 mm	136.2060.GA.04
	LMV 4,5/500, -12/600, EC 6/600, DC 7,5/600		3	700 mm	136.2070.GA.04
KÄSSBOHRER	FM 150 K		3	500 mm	136.0350.GA.04
	PB100 DR		2	340 mm	120.0505.GA.R4
	PB130D, PB150D		3	550 mm	127.0702.GA.04
	PB200D, 210D		3	700 mm	127.0905.GA.04
	PB 070 DR. PB 100 DR		3	600 mm	136.0360.GA.04
	PB 130 D	2.86 →	3	330 mm	134.1633.GA.04
	PB 170 PR, PB 270 DS		3	750 mm	136.2075.GA.04
	PB 200 D, PB 210 B	5.85 →	3	700 mm	136.2070.GA.04
	PB 240 D, PB 320 D		3	800 mm	136.2080.GA.04
KATO-CRANES	KR 250, KA 400 E		3	600 mm	136.2060.GA.04
	NK 250 E-V		3	500 mm	136.2050.GA.04
	KA 800		3	700 mm	136.2070.GA.04
KOMATSU	FD 60-5		3	500 mm	136.0350.GA.04
KRAMER-ALLRAD	112SL, 212E, 212LT,		2	340 mm	120.0505.GA.R4
	112SL, 212E, 212LT,		1	85º	112.1380.20.00
	212LT, 212SL, 312L, -LE, -SL, 314, 512 SL		3	500 mm	127.0901.GA.04
	212SL		2	340 mm	120.0505.GA.R4
	312E, -SE, 312L, -LE,		2	340 mm	120.0505.GA.R4
	314, 416S, 516,		2	340 mm	120.0505.GA.R4
	512SE, 512SL		2	340 mm	120.0505.GA.R4
	112 SL	90 → 91	3	450 mm	136.0345.GA.04
	112SL, 416S, 516, 512 SE		2	420 mm	120.0510.GA.R4
	312 L, -LE, -SL	→ 92	3	600 mm	136.2060.GA.04
	314, 512 SL		3	600 mm	136.2060.GA.04
	112 SL	91 →	3	500 mm	136.0350.GA.04
	212 LT	→ 91	3	600 mm	136.2060.GA.04
	112 SL	90 →	3	400 mm	134.1640.GA.04
	112 SL	90 →	3	400 mm	136.0340.GA.04
	112SL, 212E, 312E, -SE		2	400 mm	120.6302.GA.R4
	212 E		3	400 mm	136.0340.GA.04
	212 E, 312 E, 312 SE, 314, 512 SE, 512 SL		3	400 mm	134.1640.GA.04
	212 LT	→ 91	3	400 mm	134.1640.GA.04
	212 LT, 212 SL	91 →	3	400 mm	134.1640.GA.04
	312 L, -LE, -SL		3	400 mm	134.1640.GA.04
	401 LL		3	700 mm	136.2070.GA.04
	401LL		3	550 mm	127.0702.GA.04
	416 S, 516	→ 92	3	400 mm	134.1640.GA.04
	416, 516	92 →	3	400 mm	134.1640.GA.04
	112 SL	→ 90	3	400 mm	134.1640.GA.04
	KT 601		3	600 mm	136.0360.GA.04
KRUPP	KMK 2025		3	700 mm	136.2070.GA.04
	KMK 5100		3	600 mm	136.0360.GA.04
	KMK 5100, -6140, -8400		3	600 mm	136.2060.GA.04
	KM 3040, -6100, -6200 : Dach		3	450 mm	135.1645.GA.04
	KMK 3040, -4080, - 5140, -6100		3	700 mm	136.2070.GA.04

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(KRUPP)	KMK 5100, -6140, -6200, -8400		3	700 mm	136.2070.GA.04
	KMK 5100, 6140, 8400		2	450 mm	120.7202.GA.R4
	KMK 8400		3	450 mm	135.1645.GA.04
	KMK2025, 3040-6100-6200		2	450 mm	120.7202.GA.R4
KUBOTA	Minibagger KH-41		3	400 mm	136.0340.GA.04
LIEBHERR	841-, 851 Litronic		3	700 mm	136.2070.GA.04
	L 531, L 541, L551		3	600 mm	136.2060.GA.04
	LHM ...		2	450 mm	120.7202.GA.R4
	LHM		3	700 mm	136.2070.GA.04
	LTM 1025, -1035/3, 1050/4, -1070, -1160		3	500 mm	136.0350.GA.04
	LTM 1025, -1035/3, 1050/4, -1070, -1160		3	700 mm	136.2070.GA.04
	LTM 1120, -1140, -1400, -1800		3	500 mm	136.0350.GA.04
	LTM 1120, 1140, 1400, 1800		3	700 mm	136.2070.GA.04
	LTM standard		3	550 mm	127.0702.GA.04
	HS 830, HS 840		3	700 mm	136.2070.GA.04
	LW		3	750 mm	136.2075.GA.04
	A 900 B, -ZW, A 902, A 922 HD		3	700 mm	136.2070.GA.04
	LTM 1050/4, -1160		3	600 mm	136.0360.GA.04
	PR 712, - 722		3	500 mm	136.2050.GA.04
	PR 611, -621, -631, -731, -741		3	600 mm	136.2060.GA.04
	R 952, R 962, R974, R 984, R 992, R 994		3	700 mm	136.2070.GA.04
	L 506, L 508, L 510		3	600 mm	136.2060.GA.04
	R 900, R 902, R 922 LC, R 932,		3	700 mm	136.2070.GA.04
LINDE	9225		3	600 mm	136.2060.GA.04
	E 16, E 25		3	600 mm	136.2060.GA.04
	H 35, H 70, H 120, H 140		3	700 mm	136.2070.GA.04
	S 40, H 60, H 70		3	600 mm	136.0360.GA.04
	H 40, H 60, H70		3	400 mm	134.1640.GA.04
	H15, E16, H 16, E 18, E 25, H 25, H30, H35,		3	400 mm	134.1640.GA.04
	H15, E16, H16, E18, H25, H30, H35, H40, H60,		3	600 mm	136.2060.GA.04
	H35-H70-H120-H140		2	340 mm	120.0505.GA.R4
	H70, S 40, H 60, H 70, H 80		3	600 mm	136.2060.GA.04
	S40, H35, H70, H120, H140		3	600 mm	127.0903.GA.04
	H 35, H 70, H 120, H 140		3	400 mm	134.1640.GA.04
MASSEY FERGUSSON	MF 27		3	700 mm	136.2070.GA.04
	S-Serie		2	340 mm	120.0505.GA.R4
MEGA	Knick Jogger 100S, -500S, 700 GT, -800GT		3	700 mm	136.2070.GA.04
MENGELE	Ernter SF 6000		3	700 mm	136.2070.GA.04
	SF-600		3	700 mm	127.0905.GA.04
MERCEDES-B UNIMOG	MB Trac 700, 800, 900, 1000	81 →	3	500 mm	136.0350.GA.04
	U 1600, U1650, U2100, U2150	8.87 →	3	500 mm	136.0350.GA.04
	U 2450 (427, 437)		3	500 mm	136.0350.GA.04
	U1000, U1200, U1250, U1300, U1400, U1450, U1500		3	500 mm	136.0350.GA.04
	U1000, U1200, U1250, U1400, U1450, U1500		3	500 mm	136.0350.GA.04
	U1650, U1800, U1850, U2100, U2150, U2400		3	500 mm	136.0350.GA.04
	U90, U100, U110, U140 (408, 418)		3	500 mm	136.0350.GA.04
MERCEDES-BENZ	425	9.87 →	3	450 mm	136.0345.GA.04
	403, 406, 413, 416, 421	→ 12.87	3	450 mm	136.0345.GA.04
	U1000, U1200, U1300, U1500, U1700		3	450 mm	136.0345.GA.04
	U90, U100, U 110, U 125, U600, U800, U900	→ 12.87	3	450 mm	136.0345.GA.04
MULTICAR	26 L		3	750 mm	136.2075.GA.04
NISSAN	700DL		1	85º	112.1380.30.00
O&K	A 30, A 35, A 40, A 50		3	500 mm	136.0350.GA.04
	A 30, A 35, A 40, A 50		3	700 mm	136.2070.GA.04
	A 35, A 40, V25, V30, V80		3	600 mm	136.2060.GA.04
	Graber F106..., F 156		3	700 mm	136.2070.GA.04
	GT 9, TGT 12-3, GT 20 B	→ 92	3	700 mm	136.2070.GA.04
	RH 1,1; -1,3; -2,4. RH-, MH 2; -2,5	92 →	3	550 mm	133.0355.GA.04
	L4, L5, L6, L7, L10, L12, L20, L25, L30, L45		3	600 mm	127.0903.GA.04
	MH 4 ... MH 6	→ 92	3	700 mm	136.2070.GA.04
	MH4 ... MH6	92 →	3	750 mm	136.2075.GA.04
	D 35		3	700 mm	136.2070.GA.04
	L4, L5, L6, L7, L10, L12, L25, L30, L45	→ 91	3	400 mm	134.1640.GA.04
	L4, L5, L6, L7, L10, L12, L25, L30, L45	→ 91	3	700 mm	136.2070.GA.04
	L5, L6, L20, L25, L30, L45		3	750 mm	136.2075.GA.04

VEHÍCULO VEHICLE VÉHICULE FAHRZEUG	MODELO MODEL MODÈLE MODELL	AÑO YEAR ANNÉE JAHR	PRODUCTO PRODUCT PRODUIT PRODUKT *	LONGITUD LENGTH LONGUEUR LÄNGE	REFERENCIA DOGA DOGA REFERENCE RÉFERÉNCE DOGA REF. DOGA
(O&K)	RH 4 ... RH 40	92 →	3	750 mm	136.2075.GA.04
	RH 4 ... RH 40	→ 92	3	700 mm	136.2070.GA.04
	S 100, S 106..., S 156		3	700 mm	136.2070.GA.04
	V 20, V25, V 30		3	700 mm	136.2070.GA.04
	V 45		3	700 mm	136.2070.GA.04
	V20, V25, V30		3	500 mm	136.0350.GA.04
PHB	Mafi Traclift TL 20		3	600 mm	136.2060.GA.04
	Mafi Tractor MT5		2	340 mm	120.0505.GA.R4
	Mafi Tractor MT5		3	450 mm	135.1645.GA.04
PLAN-MARINE	Combitrac		3	600 mm	136.2060.GA.04
POCLAIN (Case)	61 ... 125, 170 ... 350		3	550 mm	127.0702.GA.04
	61. ... 125., 170 ... 350, 688., 888., 1088.	→ 91	3	700 mm	136.2070.GA.04
	688, 888, 1088		3	550 mm	127.0702.GA.04
	Bulldozer 1550		3	600 mm	136.0360.GA.04
	621, 821		3	700 mm	136.2070.GA.04
	580		3	500 mm	136.0350.GA.04
	580 Super Car		3	600 mm	136.0360.GA.04
	688 PRR		3	600 mm	136.2060.GA.04
PPM	Mobikran 230 TT		3	600 mm	136.2060.GA.04
RENAULT	110-54, 120-54, 133-54, 145-54, 155-54		3	700 mm	136.2070.GA.04
	Schlepper Serie TX, -SP: 75-34, 85-34, 106-54,		3	700 mm	136.2070.GA.04
RIGO	RTT 700		3	600 mm	136.2060.GA.04
ROLBA	K-1500		3	700 mm	136.2070.GA.04
SABO	1202, 1502, 1900		3	500 mm	127.0901.GA.04
	1202, 1502, 1900		3	500 mm	136.2050.GA.04
SAMSUNG	SL 150, SL 250		3	700 mm	136.2070.GA.04
SCHAEFF	RT 830, -850		3	400 mm	134.1640.GA.04
	HML20-30-40		2	450 mm	120.7202.GA.R4
	HML 15, -20, -25X, -40		3	600 mm	136.0360.GA.04
	HM 10		3	500 mm	136.0350.GA.04
	SKB 900, -902, -1000T		3	600 mm	136.0360.GA.04
	SKL 861, -871		3	700 mm	136.2070.GA.04
	SKS 631,		3	400 mm	134.1640.GA.04
	Raupenbagger HR 02, HR 30		3	600 mm	136.0360.GA.04
	RT 830, -850		1	85º	112.1380.20.00
	RT830-850		2	450 mm	120.7202.GA.R4
	RT830-850		2	420 mm	120.0510.GA.R4
	HS 40		3	500 mm	136.0350.GA.04
	HS 40 C		3	600 mm	136.0360.GA.04
	SK 631-SKL831		2	420 mm	120.0510.GA.R4
	SKB 600, -800		3	400 mm	134.1640.GA.04
	SKB 600, -800, -900		1	85º	112.1380.30.00
	SKB 600-800-900		2	450 mm	120.7202.GA.R4
	SKL 809S, -811, 821-831, -841, -851,		1	85º	112.1380.20.00
	SKL 809S-811-821-831-841-851-861-871		2	420 mm	120.0510.GA.R4
	SKL -811, -821, 831, -841, -851, SKL 809 S,		3	400 mm	134.1640.GA.04
	SKL 861		1	85º	112.1380.20.00
	SKL 861 Serie S, 861, 871		3	600 mm	127.0903.GA.04
	SKL 861, 871		3	400 mm	134.1640.GA.04
	SKL 871, SKB 600, 800, -900		1	85º	112.1380.20.00
	SKL809S-811-82-831-841-851		2	450 mm	120.7202.GA.R4
	SKS 631, SKL 831		3	450 mm	135.1645.GA.04
	SKS631, SKL831		2	450 mm	120.7202.GA.R4
SCHAEFF-FUCHS	112M, 118M		3	550 mm	127.0702.GA.04
SCHLÜTER	1350 TV6-LS, 3050 WC.		3	500 mm	136.0350.GA.04
	-1900 TVL		3	500 mm	136.0350.GA.04
	Compact 950 V, -1050 V6, -1250 TV6,		3	500 mm	136.0350.GA.04
	Eurotrac 1300, -1600		3	500 mm	136.0350.GA.04
	Supertrac 1500, -1550 TVL-LS, -1700 TVL-LS		3	500 mm	136.0350.GA.04
SCHMIDT	Geräteträger Supra 2000		3	600 mm	136.2060.GA.04
	Kehrsauger SK 150..		3	600 mm	136.2060.GA.04
	Kersauger SK 152..		3	700 mm	136.2070.GA.04
	SK 150, Supra 2000, SK152		3	550 mm	127.0702.GA.04

VEHÍCULO VEHICLE VÉHICULE FAHRZEUG	MODELO MODEL MODÈLE MODELL	AÑO YEAR ANNÉE JAHR	PRODUCTO PRODUCT PRODUIT PRODUKT *	LONGITUD LENGTH LONGUEUR LÄNGE	REFERENCIA DOGA DOGA REFERENCE RÉFÉRENCE DOGA REF. DOGA
SENNEBOGEN	SM 15		3	700 mm	136.2070.GA.04
	SR 26		3	600 mm	136.2060.GA.04
	SR 26		3	700 mm	136.2070.GA.04
STEYR	9000		3	400 mm	136.0340.GA.04
	8045, 8050, 8055, 8060, 8065, 8075,		1	85º	112.1380.20.00
	8080, 9090		1	85º	112.1380.20.00
	8110, 8130, 8170, 8180		1	85º	112.1380.20.00
	Pinzgauer		3	350 mm	134.1635.GA.04
	Schlepper 9000		3	600 mm	136.2060.GA.04
STILL	ABB GMC 60		3	600 mm	136.0360.GA.04
	ABB GMC 60, R 07-200		3	300 mm	134.1630.GA.04
	ER 08-12		3	500 mm	136.0350.GA.04
	R 20-16		3	700 mm	136.2070.GA.04
	R 50-16. R 60-16 (Edscha)	92 →	3	500 mm	136.0350.GA.04
	R 70-16 T, R 70-20		3	600 mm	136.0360.GA.04
	R70-60, R 70-80	→ 90	3	600 mm	136.2060.GA.04
	R 07-20 H	90 →	3	500 mm	136.0350.GA.04
	R 70-25		3	500 mm	136.0350.GA.04
	R 70-40		3	600 mm	136.0360.GA.04
	R 70-60, R 70-80	91 →	3	500 mm	136.0350.GA.04
VALMET	355		3	500 mm	136.0350.GA.04
	TD 1506		3	600 mm	136.2060.GA.04
	TD 1612		3	700 mm	136.2070.GA.04
	TD 2512		3	500 mm	136.2050.GA.04
VIBROMAX	Vibrationswalzengung W 602		3	500 mm	136.2050.GA.04
	Vibrationswalzenzug W 1102 B/D		3	700 mm	136.2070.GA.04
	Vibrationswalzenzug W 1802 D		3	500 mm	136.0350.GA.04
VOEST-ALPINE	Walzenzug RW 10 R		3	600 mm	136.0360.GA.04
VOLVO-BM	Euclid (Gr.Dumper)		3	500 mm	136.2050.GA.04
	L30, L50, L70, L90, L120, L160		3	600 mm	136.2060.GA.04
	L30, L50, L70, L90, L120, L160		3	300 mm	134.1630.GA.06
	BM 4600 B		3	600 mm	136.2060.GA.04
	BM 4600 B,		3	300 mm	134.1630.GA.05
	BM 540 RB		3	500 mm	136.2050.GA.04
	BM 6300 Wiking		3	600 mm	136.2060.GA.04
	BM 450, -4200 B, -4300 B, -4400		3	700 mm	136.2070.GA.04
	BM 450, -4200 B, -4300 B, -4400		3	300 mm	134.1630.GA.07
WEIMAR-WERK	R 700, M 700, M 1000		3	700 mm	136.2070.GA.04
ZEPPELIN	ZM 6 B, ZM 9		3	600 mm	136.0360.GA.04
	ZL 6, ZM 15		3	600 mm	136.2060.GA.04
	ZM 10, -11, -12, -13B, -15, -19		3	500 mm	136.2050.GA.04
	ZM 13		3	700 mm	136.2070.GA.04
	ZM 8		3	400 mm	134.1640.GA.04
	ZM 8		3	500 mm	135.1650.GA.04
	ZM 10, -11, -12, -13B, -15, -19		3	300 mm	134.1630.GA.08
	ZL 402, ZL602		2	450 mm	120.7202.GA.R4
	ZM 13, ZM 15, ZL 6		3	400 mm	134.1640.GA.04
	ZM15, ZL6		2	420 mm	120.0510.GA.R4
ZETTELMEYER	3002, - 4002		3	700 mm	136.2070.GA.04
	1801, -2002		3	600 mm	136.2060.GA.04
	ZL 1001	91 →	3	600 mm	136.2060.GA.04
	ZL 402, -602		3	550 mm	133.0355.GA.04
	ZL 801, -802, -1001, 1801 (THW)		3	700 mm	136.2070.GA.04
	ZL 802		3	550 mm	133.0355.GA.04
	ZL3002, ZL4002		3	600 mm	127.0903.GA.04
	ZL802, ZL1001, ZL1801, ZL2002		3	550 mm	127.0702.GA.04

hoja de datos (cabinas) **- infosheet** (cabs)

fiche de renseignements (cabines) **- Datenblatt** (Kabinen)

Hoja de datos para CUALQUIER TIPO DE CABINA, EXCEPTO para las que montan equipo panorámico
For ALL TYPE OF CABS, except for panoramic systems.
Pour TOUT TYPE DE CABINE save celles qui ont besoin d'un equipement panoramique.
Für jegliche Kabine, ausser für panoramische Anlage.

CLIENTE - CUSTOMER - CLIENT - KUNDE

Fecha - Date - Date - Datum

Tipo vehículo
Vehicle type
Type de véhicule
Art des Fahrzeugs .....

Marca vehículo
Vehicle model
Marque de vehicule
Marque .....

Mod. .....

vel/max.
max./speed
vit./max.
Vmax .....

Entrega de muestras
Samples delivery
Livraison d'échantillons
Musterlieferung

No
Non
Nein ☐

Si
Yes
Oui
Ja ☐ *fecha*
date
Datum .....

cantidad
quantity
quantité
Menge .....

Preserie
Pre-production
Pré-série
Vorserie

No
Non
Nein ☐

Si
Yes
Oui
Ja ☐ *fecha*
date
Datum .....

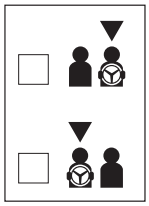
cantidad
quantity
quantité
Menge .....

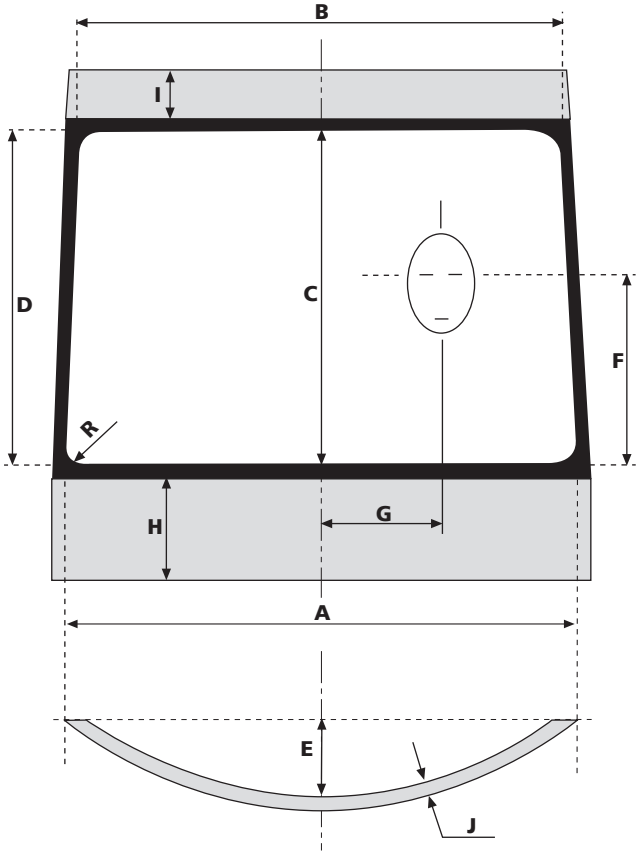
Serie
Production
Série
Serie

fecha
date
Datum .....

Consumo previsto / año
Estimated quantity / year
Consommation prévue / année
Vorgesehene Abnahme / Jahr

.....





GENERAL - GENERAL - GENERAL -GENERAL

Dimensiones cristal Measurements windshield Dimension glace Abmessungen Scheibe	**A** ..... **B** ..... **C** ..... **D** ..... **R** .....
Cristal dividido Twin screen Pare brise divisé Geteilte Scheibe	*No* *Non* *Nein* ☐ *Si* *Yes* *Oui* *Ja* ☐ *Ancho de la división* *Divider width* *Largeur division* *Teilungsbreite* .....
Curvatura cristal Windshield curve Courbure glace Krümmung der Scheibe	**E** .....
Situación conductor Driver's position Position conducteur Position Fahrer	**F** ..... **G** .....
Espacio disponible accionamientos Assembly room Espace disponible ensemble Einbauraum	**H** ..... **I** .....
Espesor carrocería Thickness of body Epaisseur carrosserie Blechstärke	**J** .....

MOTOR - MOTEUR - MOTOREN

Fijación motor
Motor fitting
Fixation moteur
Befestigung Motor

☐ *chapa*
body
carrosserie
Karosserie

☐ *cristal*
windshield
glace
Scheibe

Tensión eléctrica
Nominal voltage
Tension electrique
Nennspannung

..... Volts.

Intermitencia integrada en motor limpiaparabrisas
Integrated intermittence in windshield wiper motor
Intermittence integrée sur moteur essuie-glace
Scheibenwischermotor mit integrierter Intervallschaltung

No
Non
Nein ☐ *Si*
Yes
Oui
Ja ☐

Tipo conector
Connector type
Type de connecteur
Anschluss Typ .....

LAVAPARABRISAS - WASHER SYSTEM - EQUIPEMENT LAVE-GLACE - WASCHANLAGEN

¿Desea equipo lavaparabrisas?
Do you need washer-system?
Désirez-vous un équipement lave-glaces?
Benötigen Sie eine Waschanlage?

Si
Yes
Oui
Ja ☐

No
Non
Nein ☐

Surtidor
Nozzle
Gicleur
Spritzdüse

☐ *en brazo*
arm integrated
sur le bras
integriert in Arm

☐ *en carroceria*
body integrated
sur la carrosserie
in Karosserie

CAD

☐ *CATIA* ☐ *PRO-E* ☐ *SOLID DESIGNER* ☐ *ME-10* *otro*
other
autre
andere .....

Formato de intercambio
Exchange format
Format d'échange
Format zum Datenaustausch

☐ *dxf* ☐ *igs* *otro*
other
autre
andere .....

OBSERVACIONES - COMMENTS - COMMENTAIRES - BEMERKUNGEN

.....

.....

.....

.....

hoja de datos (bus) **- infosheet** (bus)

fiche de renseignements (bus) **- Datenblatt** (bus)

Hoja de datos para cualquier tipo de cabina que monte un EQUIPO PANORAMICO.
Forall type of cabs with PANORAMIC SYSTEM.
Pour tout type de cabines save celles qui ont besoin d'un EQUIPEMENT PANORAMIQUE.
Für Kabinen mit panoramischen Anlagen.

CLIENTE - CUSTOMER - CLIENT - KUNDE	Fecha - Date - Date - Datum

Tipo vehículo / Vehicle type / Type de véhicule / Art des Fahrzeugs .....
Marca vehículo / Vehicle model / Marque de vehicule / Marke .....
Mod. .....
vel/max. / max./speed / vit./max. / Vmax .....

Entrega de muestras
Samples delivery
Livraison d'échantillons
Musterlieferung

No / Non / Nein ☐

Si / Yes / Oui / Ja ☐ *fecha / date / Datum* .....

cantidad / quantity / quantité / Menge .....

Preserie
Pre-production
Pré-série
Vorserie

No / Non / Nein ☐

Si / Yes / Oui / Ja ☐ *fecha / date / Datum* .....

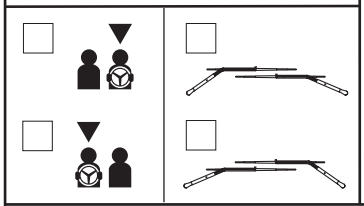
cantidad / quantity / quantité / Menge .....

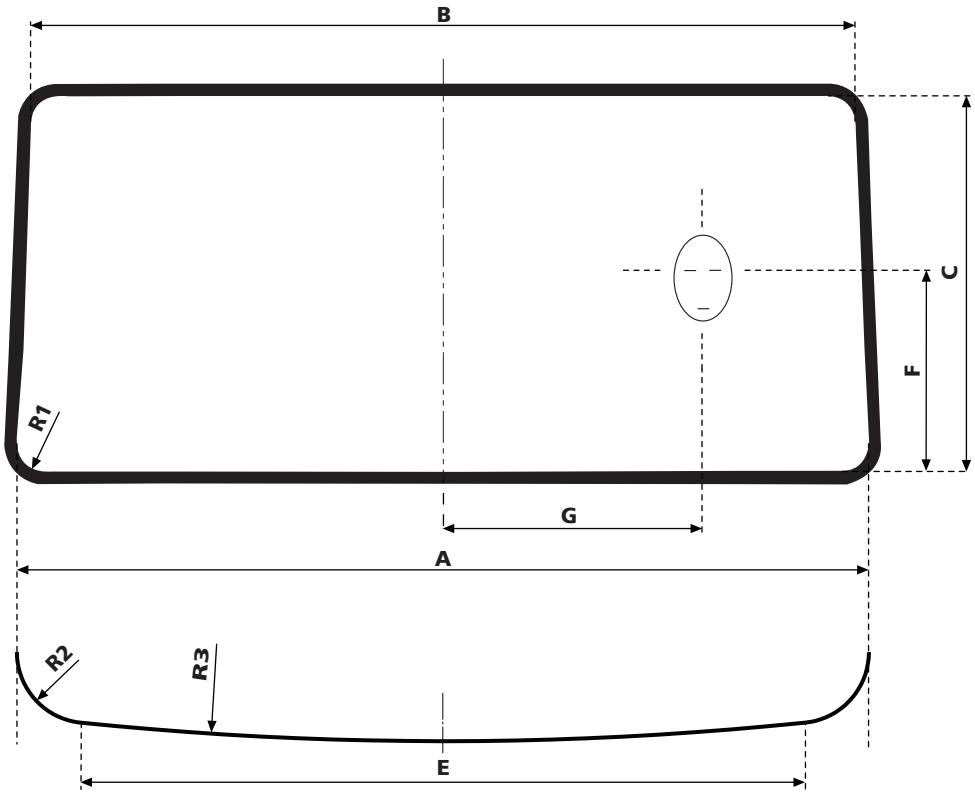
Serie
Production
Série
Serie

fecha / date / Datum .....

Consumo previsto / año / Estimated quantity / year / Consommation prévue / année / Vorgesehene Abnahme / Jahr

.....





GENERAL - GENERAL - GENERAL -GENERAL

Dimensiones cristal Measurements windshield Dimension glace Abmessungen Scheibe	A ..... B ..... C ..... R1 .....
Curvatura cristal Windshield curve Courbure glace Krümmung der Scheibe	E ..... R2 ..... R3 .....
Situación conductor Driver's position Position conducteur Position Fahrer	F ..... G .....

MOTOR - MOTEUR - MOTOREN

Intermitencia integrada en motor limpiaparabrisas
Integrated intermittence in windshield wiper motor
Intermittence integrée sur moteur essuie-glace
Scheibenwischermotor mit integrierter Intervallschaltung

☐ *Si / Yes / Oui / Ja* ☐ *No / Non / Nein*

Tipo conector / Connector type / Type de connecteur / Anschluss Typ .....

Tensión eléctrica / Nominal voltage / Tension electrique / Nennspannung ..... Volts.

LAVAPARABRISAS - WASHER SYSTEM - EQUIPEMENT LAVE-GLACE - WASCHANLAGEN

¿Desea equipo lavaparabrisas?
Do you need washer-system?
Désirez-vous un équipement lave-glaces?
Benötigen Sie eine Waschanlage?

Si / Yes / Oui / Ja ☐

No / Non / Nein ☐

Surtidor / Nozzle / Gicleur / Spritzdüse

☐ *en brazo / arm integrated / sur le bras / integriert in Arm*

☐ *en carroceria / body integrated / sur la carrosserie / in Karosserie*

CAD

☐ *CATIA* ☐ *PRO-E* ☐ *SOLID DESIGNER* ☐ *ME-10* *otro / other / autre / andere* .....

Formato de intercambio / Exchange format / Format d'échange / Format zum Datenaustausch ☐ *dxf* ☐ *igs* *otro / other / autre / andere* .....

OBSERVACIONES - COMMENTS - COMMENTAIRES - BEMERKUNGEN

.....

.....

DOGA

www.doga.es

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