

## ISTRUZIONI DI MONTAGGIO

FITTING INSTRUCTIONS  
 INSTRUCTIONS DE MONTAGE  
 MONTAGEANLEITUNG  
 INSTRUCCIONES DE MONTAJE

<b>DISPOSITIVO DI TRAINO</b> <b>TIPO</b> TOWING BRACKET TYPE DISPOSITIF DE REMORQUAGE TYPE ANHAENGEVORRICHTUNG TYP DISPOSITIVO DE CAREO TIPO	<b>23045</b>
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<b>PER AUTOVEICOLI</b> FOR CARS POUR AUTOS FÜR KRAFTFAHRZEUGE PARA AUTOVEHICULO	<b>MERCEDES CLASS R</b> <b>MERCEDES-BENZ CLASS R</b> <b>DAIMLERCHRYSLER CLASS R</b>	
<b>TYPE</b>	251	2006 =>
<b>CLASSE E TIPO DI ATTACCO</b> CLASS AND HITCH TYPE CLASSE ET TYPE DE CROCHET KLASSE UND BEFESTIGUNGSART CLASES DE ACOPLAMIENTO	<b>OMOLOGAZIONE</b> HOMOLOGATION HOMOLOGATION ZULASSUNG APROBACION	<b>CARICO VERTICALE MAX</b> S VALUE MASSE VERTICALE MAXIMUM ZUL. STUETZLAST CARGA MAX. VERTICAL
A50 - X	e3 00 - 7363 (DIR. 94/20/CE)	S = kg 120
<b>VALORE D</b> D VALUE VALEUR D D WERT VALOR D	$D = \frac{\text{Max } \downarrow \text{ Kg} \quad \text{Max } \downarrow \text{ Kg}}{\text{Max } \downarrow \text{ Kg} \quad \text{Max } \downarrow \text{ Kg}} \times 0,00981 \leq \mathbf{12,6 \text{ kN}}$	

<b>COPPIA DI SERRAGGIO PER VITI (8.8):</b> TORQUE SETTINGS FOR NUTS AND BOLTS (8.8): COUPLE DE SERRAGE POUR VIS (8.8): SCHRAUBENZUGSMOMENT (8.8): MOM. DE PRESION PARA TORNILLOS Y TUERCAS (8.8):	M6 = 10 Nm      M8 = 25 Nm M10 = 55 Nm    M12 = 85 Nm M14 = 135 Nm   M16 = 200 Nm
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# SAFETY INSTRUCTIONS


- ◆ Make sure that the towbar is suitable for the vehicle before starting the installation.
- ◆ For safety, all work involving towbar installation (incl. electrical components) must be undertaken by skilled technicians.
- ◆ Damaged components must be replaced with manufacturer's spares and fitted by qualified staff.
- ◆ It is forbidden to make any modification or structural repair to towing assembly.

# USE AND MAINTENANCE

- ◆ The towball must be kept clean and lubricated. For added safety, its diameter (50 mm) must be checked at regular intervals. If the towball measures less than 49 mm after selected readings across the diameter, the towball must be replaced with a new one.
- ◆ After 1000 km of towing, check torque settings for nuts and bolts, in accordance with the table.
- ◆ Umbra Rimorchi cannot be held responsible for any defects in the product caused by fault or by any injudicious use whatever of the user or a person he is liable for.

# CAUTION

The tow bar installer must fix at the same level with the ball in a clear position, a plate with the ball's maximum load for the vehicle on which the tow bar is fitted.

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# FITTING INSTRUCTIONS

## 23045

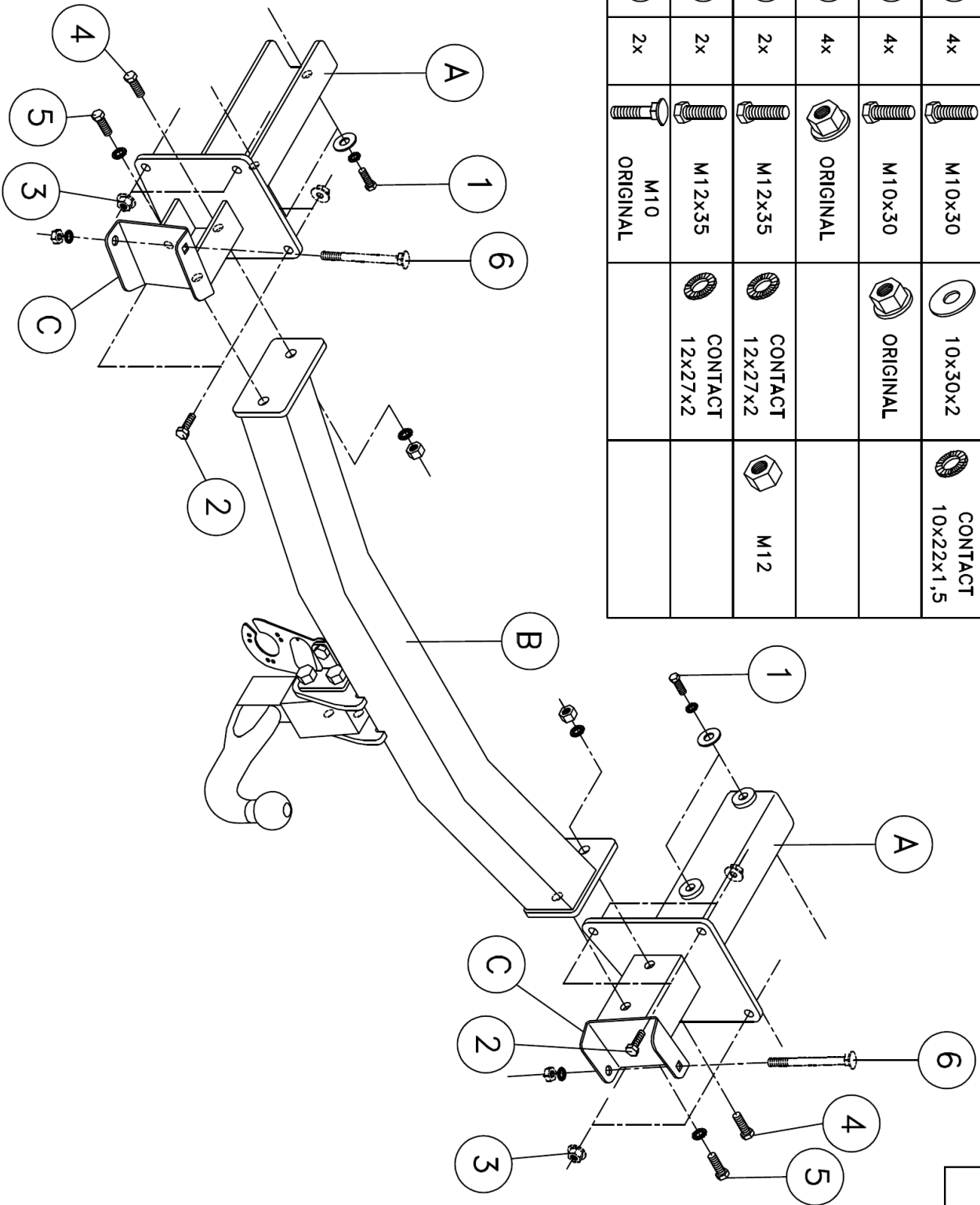
Remove the mastic protection from your vehicle in the point where the chassis and the tow bar are connected; then paint the mastic free pieces with the anti rust paint. There are all necessary holes to fix the tow bar of the vehicle.

1. Remove the floor cover and the right and left doors of the boot inner cover;
2. Remove the spare wheel and the fuse box of the right side;
3. Remove the bumper, the buffer bar (remove support) and the plastic lower cover;
4. Place the tie-rods "A" inside of the spars according to the holes "1", "2" and the soldered existing screws "3" (if it's necessary wide the holes "2" to Ø13), insert the screws in position "1" and fix with the wide washers;
5. Insert the cross bar "B" between the two tie-rods according to the holes "4" and "5" and fix them, insert the support for the buffer bar "C";
6. Put back the buffer bar to the new supports according to the holes "6" and fix it with the bolt;
7. Tighten all bolts and nuts as shown in the enclosed layout;
8. Connect the wiring to the socket following the car booklet's instructions "Use and Maintenance" of the vehicle as shown in the enclosed wiring kit layout;
9. Make a cut of the bumper and the plastic lower cover as shown in the enclosed layout;
10. Put back the plastic lower cover, the bumper, the fuse box, the spare wheel, the floor cover and the right and left doors of the boot inner cover.

## INVISIBLE SWIVELING SOCKETHOLDER

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01	4x	M10x30	10x30x2	CONTACT 10x22x1,5
02	4x	M10x30	ORIGINAL	
03	4x	ORIGINAL		
04	2x	M12x35	CONTACT 12x27x2	M12
05	2x	M12x35	CONTACT 12x27x2	
06	2x	M10 ORIGINAL		



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MERCEDES-BENZ CLASS R  
DAIMLERCRYSLER CLASS R -

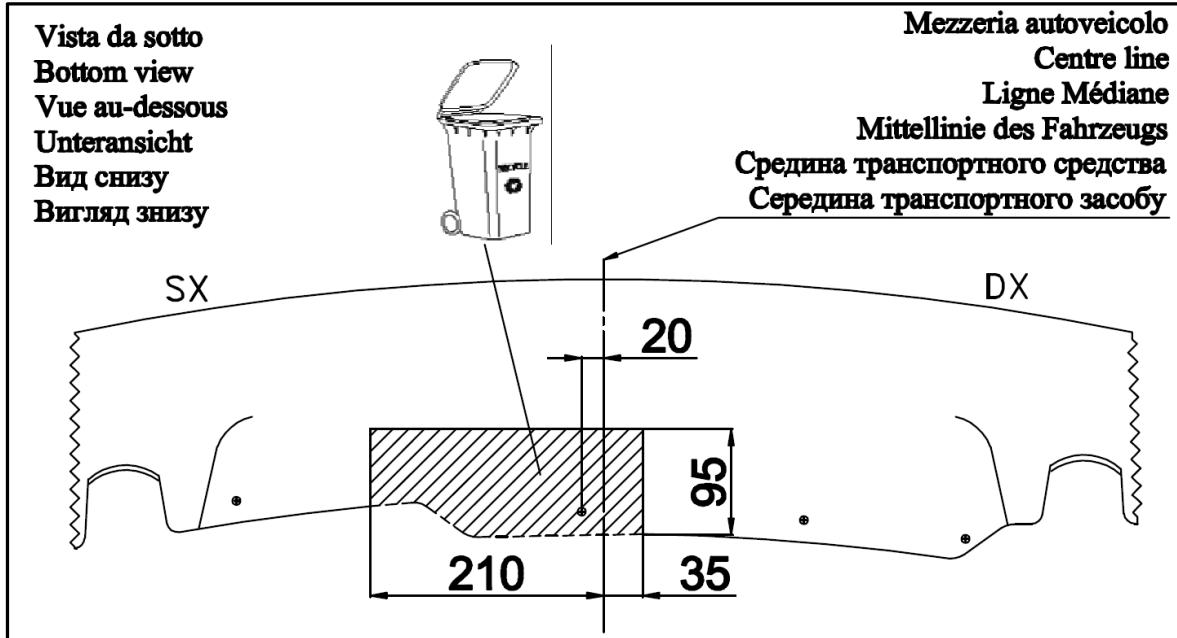
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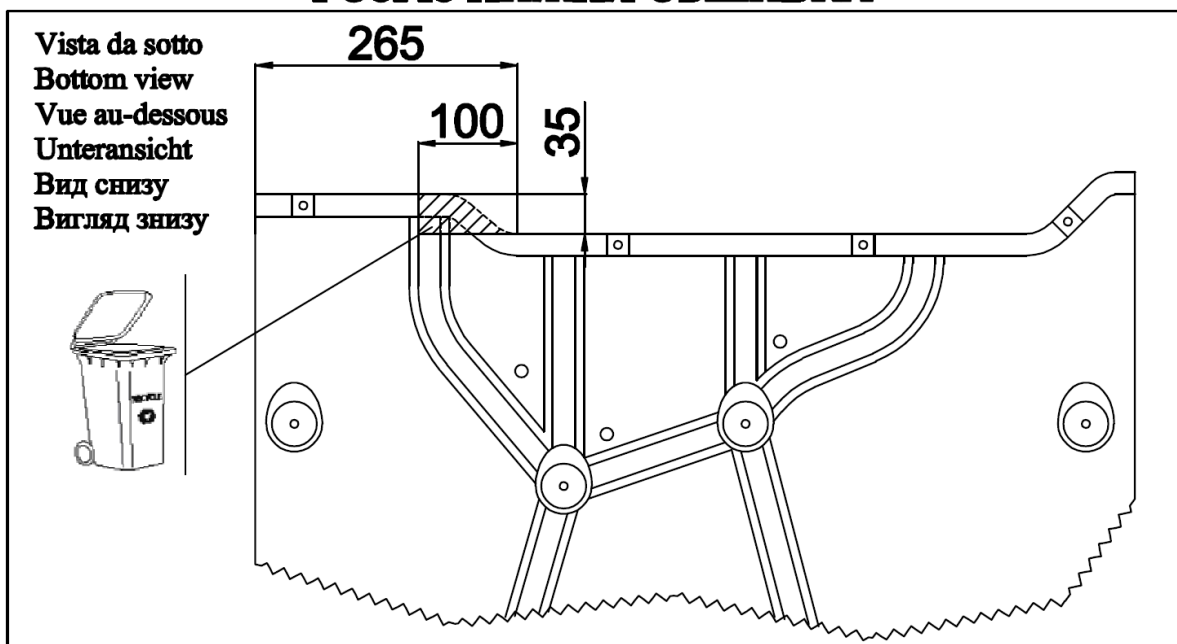
**URUMBRA RIMORCHI**

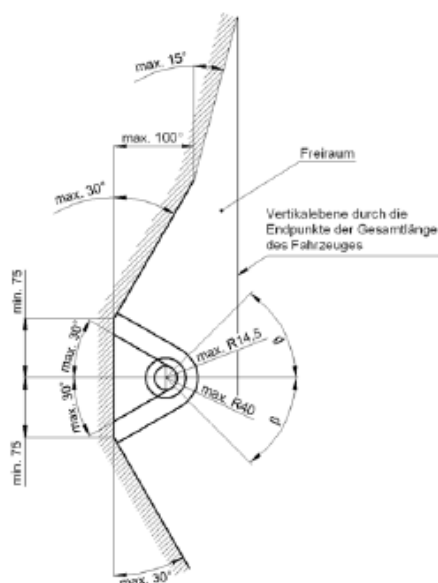
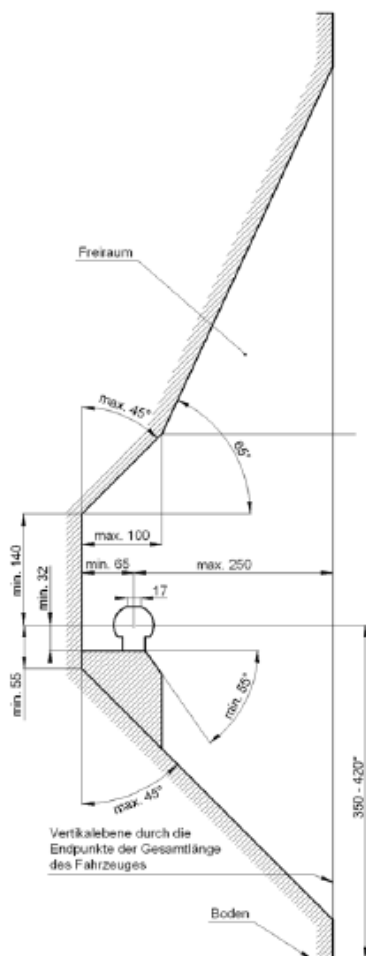
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**TAGLIO PARAURTI  
BUMPER'S CUT  
DÉCOUPE PARE-CHOCS  
AUSSCHNITT STÖßSTANGE  
РАЗРЕЗ БАМПЕРА  
РОЗРІЗ БАМПЕРУ**



**TAGLIO RIVESTIMENTO INFERIORE  
BUMPER'S LOWER COVERING  
DÉCOUPE REVÊTEMENT INFÉRIEUR  
AUSSCHNITT UNTERE VERKLEIDUNG  
РАЗРЕЗ НИЖНЯЯ ОБШИВКА  
РОЗРІЗ НИЖНЯ ОБШИВКА**





- D** Der Freiraum nach Anhang 7, Abbildung 25a und 25b der Richtlinie ECE-R 55 ist zu gewährleisten.
- CZ** Volný prostor ve smyslu Přílohy VII, obr. 25a a 25b směrnice ECE-R 55 musí být zaručen.
- DK** Det skal sikres, at der er spillerum i overensstemmelse med bilag 7, fig. 25a og 25b i henhold til direktiv ECE-R 55.
- E** Hay que garantizar el espacio libre conforme al anexo 7, fig. 25a y 25b de la directiva ECE-R 55.
- F** La zone de dégagement, selon l'annexe 7, figure 25a et 25b de la directive ECE-R 55, doit être assurée.
- FIN** Välyksen tulee täyttää ohjeen ECE-R 55 liitteen 7 kuvissa 25a ja 25b ilmoitetut vaatimukset.
- GB** Make sure to provide clearance according to appendix 7, figures 25a and 25b of the ECE-R 55 regulations.
- GR** Πρέπει να εξασφαλίζεται ο ελεύθερος χώρος σύμφωνα με το παράρτημα 7, σχήμα 25a και 25b της κοινοτικής οδηγίας ECE-R 55.
- HU** Biztosítani kell az ECE-R 55 irányelv szerinti, 7. számú függelék, 25a. és 25b ábrákban jelölt szabad teret.
- I** Deve essere garantito lo spazio libero secondo l'allegato VII, figure 25a e 25b della normativa europea ECE 55 R-01.
- N** Det må sikres for fritt rom i samsvar med tillegg 7, figur 25a og 25b i direktiv ECE-R 55.
- NL** De vrije ruimte volgens supplement 7, afbeelding 25a en 25b van richtlijn ECE-R 55 moet gewaarborgd zijn.
- PL** Należy zapewnić wolną przestrzeń zgodnie z załącznikiem 7, rys. 25a i 25b, dyrektywy ECE-R 55.
- RUS** Оставлять свободное пространство согласно Приложению 7, рис. 25a и 25b Директивы ECE-R 55.
- S** Spelrummet enligt bilaga 7, bild 25a och 25b i riktlinje ECE-R 55, måste garanteras.

- D** \* bei zulässigem Gesamtgewicht des Fahrzeuges
- CZ** \* při celkové přípustné hmotnosti vozidla
- DK** \* ved tilladt totalvægt for køretøjet
- E** \* con peso total autorizado del vehículo
- F** \* pour poids total en charge autorisé du véhicule
- FIN** \* Ajoneuvon suurimmalla sallitulla kokonaispainolla
- GB** \* at gross vehicle weight rating
- GR** \* για το επιτρεπτό μικτό βάρος του οχήματος
- HU** \* A jármű megengedett összsúlya esetén
- I** \* per il peso complessivo ammesso del veicolo
- N** \* ved kjøretøyet's tillatte totalvekt
- NL** \* bij toegestaan totaal gewicht van het voertuig
- PL** \* przy dopuszczalnym ciężarze całkowitym pojazdu
- RUS** \* при допустимом общем весе автомобиля
- S** \* vid fordonets tillåtna totalvikt