

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

Working Party on the Construction of Vehicles

REVISED PROPOSAL FOR DRAFT 06 SERIES OF AMENDMENTS TO
REGULATION No.16
(UNIFORM PROVISIONS CONCERNING THE APPROVAL
-1) OF SAFETY-BELTS AND RESTRAINT SYSTEMS FOR OCCUPANTS OF POWER
DRIVEN VEHICLE
-2) OF VEHICLES EQUIPPED WITH SAFETY-BELT)

Transmitted by the French Delegation

This amendment has been prepared to introduce in Regulation n°16 provisions for the installation of the ISOFIX child restraint systems in vehicle prepared by the International Organization for Standardization (ISO).

The International Standard ISO 13216-1:1999 establishes an anchorage system composed of universal anchorage to be located in vehicle and universal attachment to be located on ISOFIX child restraint systems.

Following modifications of Regulation n°16 are suggested as draft 04 amendment series – supplement 12 in which,

- (1) “ISOFIX” will be used as a qualificative adjective in order to simplify the modification redaction and to allow child restraint system users to be able to identify ISOFIX restraints without any doubt,
- (2) words copied from the International Standard ISO 13216-1:1999 will be written in *italics*,
- (3) words removed from the original text of Regulation n°16 will be written between brackets and crossed out,
- (4) words added to the original text of Regulation n°16 will be written in **bold types**

In paragraph 8 – Requirements concerning the installation in the vehicle,

- Insert a new paragraph to read :

8.3.6. For any ISOFIX anchorages system installed in the vehicle, it shall be verify the possibility to attach the ISOFIX child restraint system. For this verification, the seats, the seats back and adjustable head restraints, if fitted, will be placed according to the positions specified by the car manufacturer. The device used for this verification is defined by the car manufacturer in compliance with the annex 17 of this Regulation.

- In Annex 17 – 1 Compatibility which child restraint systems, add to read:

- (a) ...for child restraints of the “universal” category (see pare. 1.2. below), [or /] **and for ISOFIX child restraint systems (see pare. 1.3. below) as specified below the table of the appendix 1;**
- (b) Provide a list of **ISOFIX child restraint systems or** restraint systems of the “semi-universal”, “restricted” or “vehicle specific” categories, suitable for that vehicle seating position, ...

...forward-facing child restraint systems, this shall be indicated.

Where applicable any restriction on the simultaneous use of ISOFIX child restraint systems on adjacent position, and the possible restrictions on the adjustment of the seats, the seats back and adjustable head restraints, if fitted, shall be so reported.

- Insert a new 1.3. to read :

1.3. ISOFIX child restraint systems mean a child restraint system approved with Regulation 44 which has to be attached to an ISOFIX anchorages system approved with Regulation 14.

- In annexe 17 Appendix 2, modify the table and add the following caption to read :

Mass Group	Seating position (or other site)				
	Front Passenger	Rear Outboard	Rear Centre	Intermediate Outboard	Intermediate Centre
0 – up to 10 Kg					
0+ - up to 13 kg					
I – 9 to 18 kg					
II – 15 to 25 kg					
III – 22 to 36 kg					

...

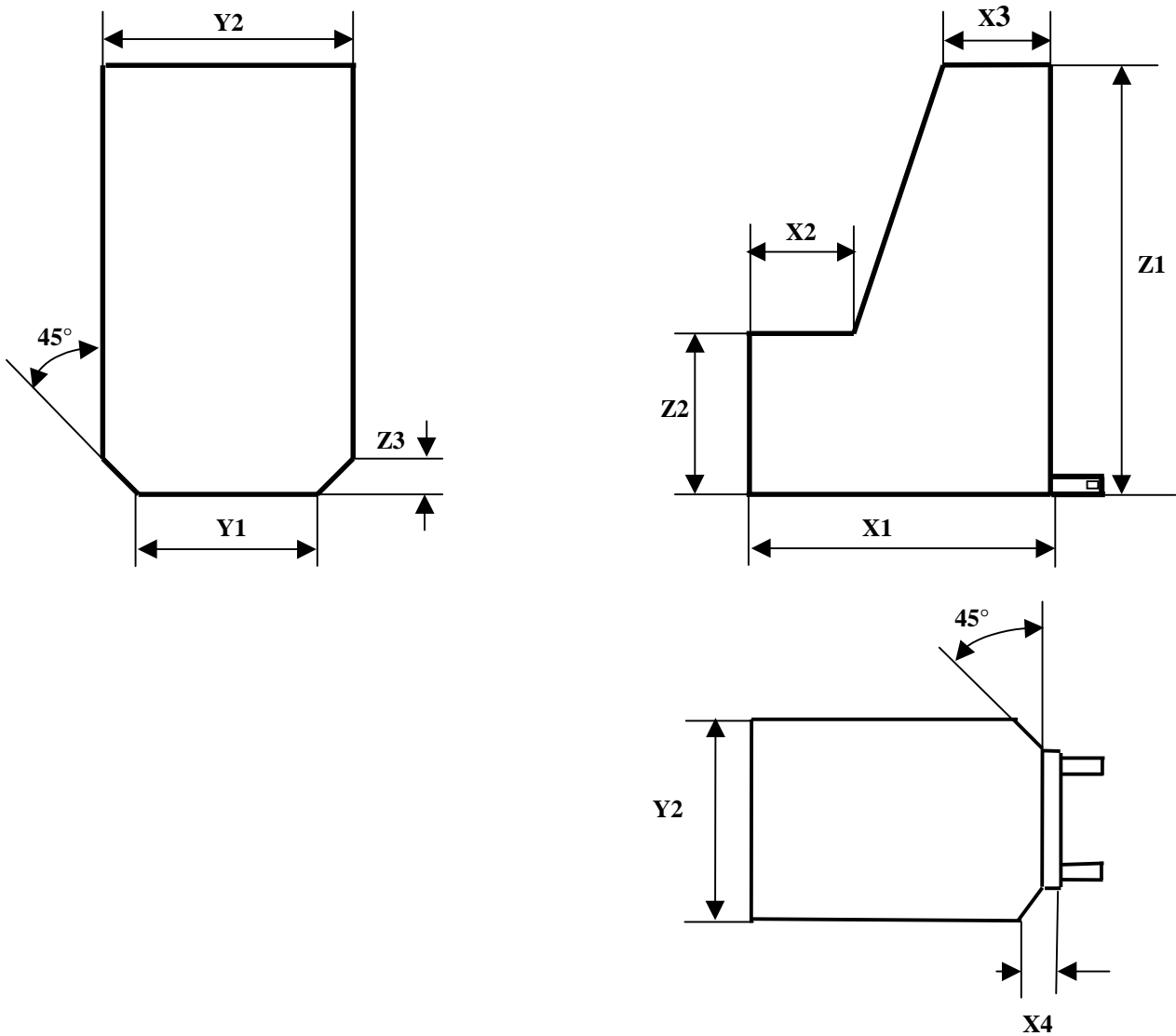
B = Built-in restraint approved for this mass group.

IFF = Suitable for ISOFIX forward facing child restraint systems (see figure 1) for use in this mass group.

IRF = Suitable for ISOFIX rearward facing restraint systems (see figure 2) for use in this mass group.

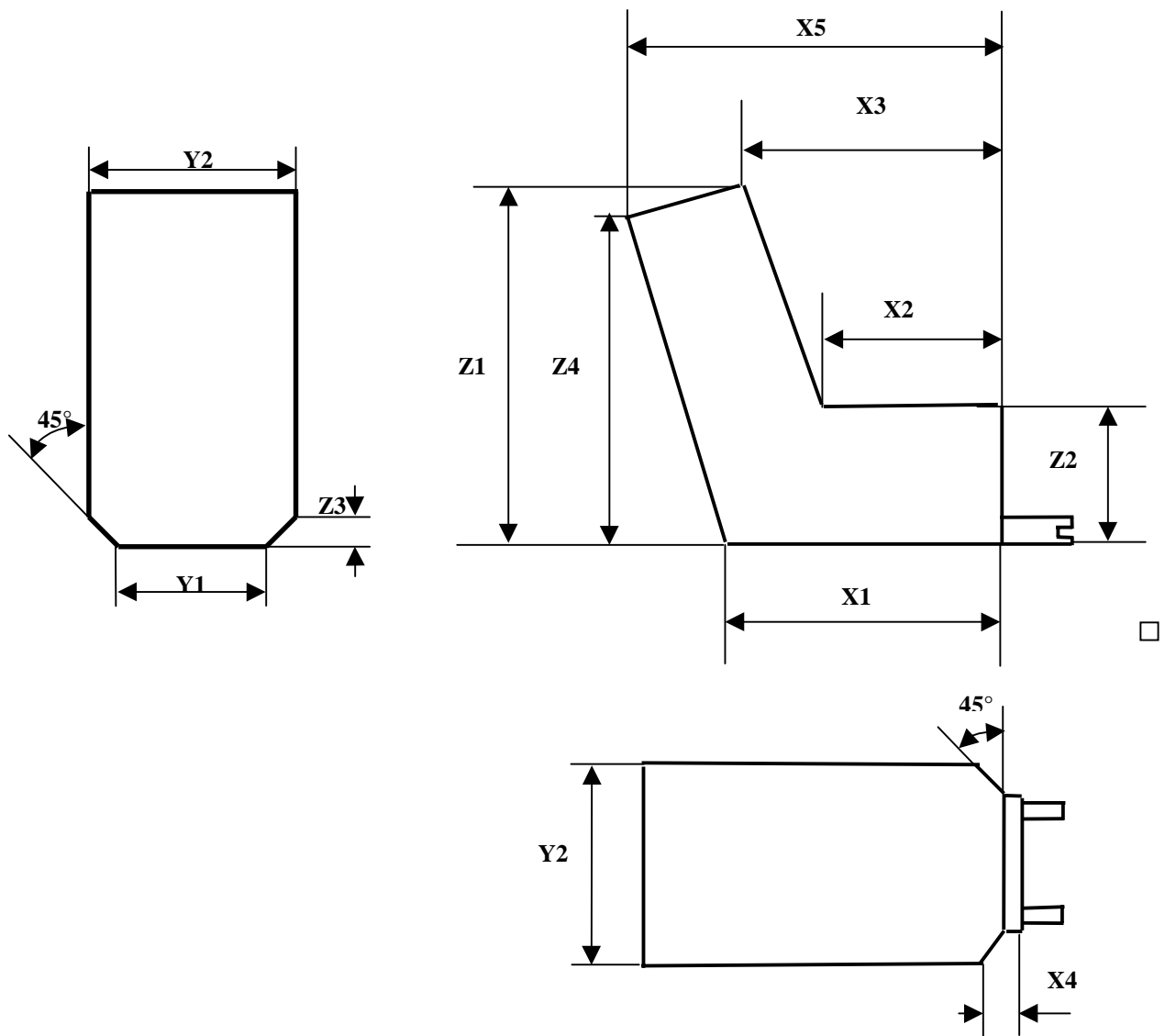
X = Seat position not suitable...

➤ In annexe 17 Appendix 2, add the 2 following figures :



	Group I	Group II	Group III
X1			
X2			
X3			
X4			
Y1			
Y2	[440 mm]	[440 mm]	[440 mm]
Z1			
Z2			
Z3			

Figure 1 :Space required for ISOFIX forward facing child restraint systems (IFF)



	Group 0	Group 0+	Group I
X1			
X2			
X3			
X4			
X5			
Y1			
Y2	[440 mm]	[440 mm]	[440 mm]
Z1			
Z2			
Z3			
Z4			

Figure 2 : Space required for ISOFIX rearward facing child restraint systems (IRF)