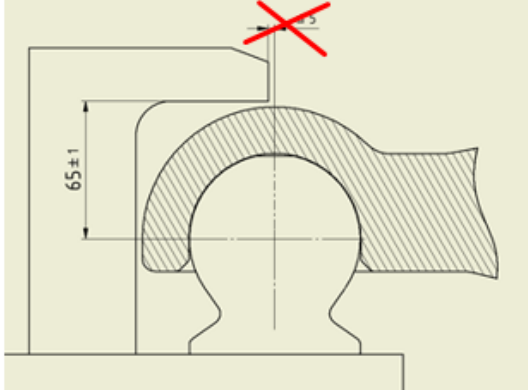


Template for comments and secretariat observations

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MB/NC ¹	Line number	Clause/Subclause	Paragraph/Figure/Table/	Type of comment ²	Comments	Proposed change	Observations of the secretariat
G WG		2.8	Second paragraph	te	"Drivers direct field of vision" could be understood as view of front window Indication could also be located on different places but still in the drivers field of view	When installed in the vehicle cab, the remote indication devices shall be mounted within the driver's direct field of vision, and be clearly identified.	
G WG		3.2.2	Item	ge	Numbers of drawings sets should be defined by Type Approval Authority	Three sets of d Drawings which are sufficiently detailed to define the device or component and which specify how it is to be fitted to the vehicle;	
G WG		3.2.5	Item	ge	Numbers of test samples should be defined by Type Approval Authority	One sample, plus additional s Samples as requested by the Type Approval Authority or Technical Service;	
G WG		4.2	Item	te	Steel and cast iron are the most used materials for couplings	All parts of the mechanical coupling device or component whose failure could result in separation of the vehicle and trailer shall be made of steel or cast iron .	
G WG		Annex 5	Figure 2	te	The dimension is determined by observing the articulation angle and does not have to be specified additionally	Figure 2 Keeper plate dimensions 	

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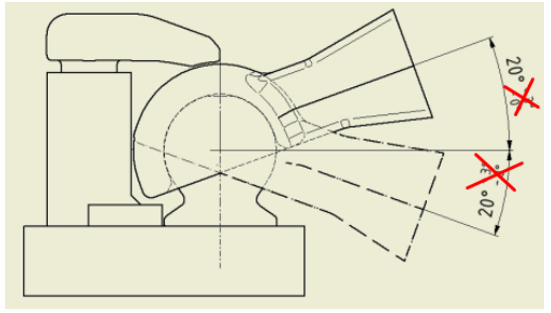
2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

Template for comments and secretariat observations

Date: 2017-01-10

Document: **ACDC 02-04e GWG
Comments on ACDC 02-03e**

Project: ACDC

MB/ NC ¹	Line number	Clause/ Subclause	Paragraph/ Figure/ Table/	Type of comment ²	Comments	Proposed change	Observations of the secretariat
G WG		Annex 5	Figure 3	te	<p>The additional tolerance is not necessary, because the heading requires a minimum of the articulation generally</p> <p>Paragraph: 1.1.3. The coupling balls 80 shall have <u>at least</u> the following angles of articulation, which do not have to be reached simultaneously:</p>		
G WG		Annex 5	3.1.4	te	<p>Coupling and uncoupling process should be always in a direct straight position between coupling ring and coupling device.</p> <p>Any inclined position should be improved.</p> <p>Strike paragraph 3.1.4 complete</p>	<p>Coupling and uncoupling of the coupling ring shall also be possible when the longitudinal axis of the coupling ring in relation to the centre line of the jaw:</p> <p>a) is rotated horizontally 50° to the right or left;</p> <p>b) is rotated vertically 3° up or down;</p> <p>c) is rotated axially 3° to the right or left</p>	
G WG		Annex 5	3.1.5	te	<p>Requirement of 70 degrees articulation in the vertical axis is committed in all common designs and regulations. Reduction could result in significant problems by the interchangeability of parts</p>	<p>a) Vertical axis: ± 60 70°</p>	

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MB/ NC ¹	Line number	Clause/ Subclause	Paragraph/ Figure/ Table/	Type of comment ²	Comments	Proposed change	Observations of the secretariat
G WG		Annex 5	Figure 5	te	The new drawing shows the relevant and necessary dimensions of the structural components in regard of their strength and their interchangeability. Further dimensions and requirements are fixed in other paragraphs and documents and would only be repeated here.	<p>preferred version</p>	
G WG		Annex 5	Figure 6	te	Figure 6 can be removed, information combined in Figure 5		

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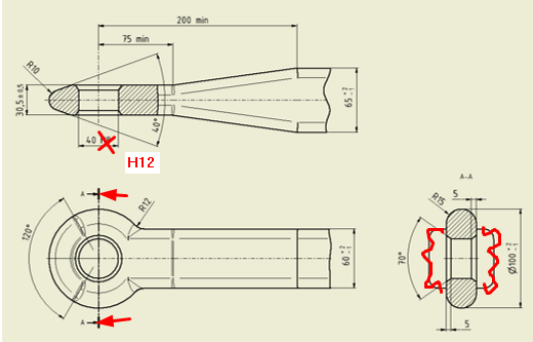
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MB/ NC ¹	Line number	Clause/ Subclause	Paragraph/ Figure/ Table/	Type of comment ²	Comments	Proposed change	Observations of the secretariat
G WG		Annex 5	Figure 7	te	The new drawing shows the relevant and necessary dimensions of the structural components in regard of their strength and their interchangeability. Further dimensions and requirements are fixed in other paragraphs and documents and would only be repeated here.	<p>The drawing shows a mechanical part with the following dimensions and features:</p> <ul style="list-style-type: none"> Overall height: 105 min Width of the central section: $30^{+1.5}_0$ Inner diameter: $\varnothing 33^{+0.3}_0$ Top view dimensions: 60⁺⁵/₋₁₅ and 51⁺⁷/₀ Overall width: 150⁺²⁰/₀ Corner radius: R50⁺¹⁰/₀ Angle: 30° min 	

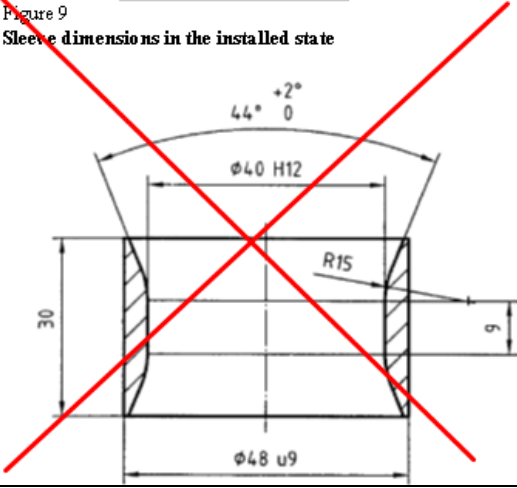
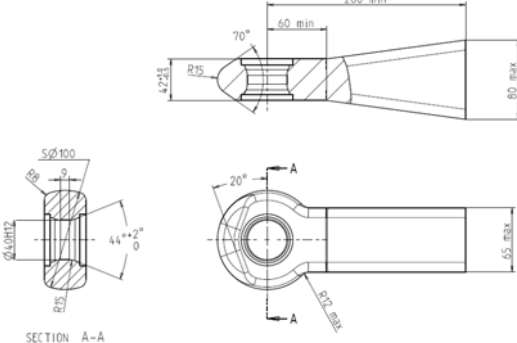
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G WG		Annex 5	Figure 8	te	In the adequate ISO Standard the 40 H12 is a unified dimension for version with and without sleeve. cut section needs to be turned to simplify the view	<p>Figure 8 Principal dimensions of standard drawbar eyes d40-1</p> 	
		Annex 5	4.1.2	te	The detailed information on the sleeves can be found very precisely in the adequate ISO standard. Here it would be just a repetition which is generally described but not complete. Remove complete section	<p>Sleeve 40</p> <p>The sleeve must not be welded into the coupling ring. For Drawbar eyes d40-1 and d40-2, slotted or non-slotted sockets sleeves shall be used. For coupling ring d1-40-3, non-slotted sockets sleeves shall be used. Sleeves shall be connected to the body of the coupling ring so that they cannot become loose during use. The design of the socket sleeve does not have to correspond to the visual representation, it must merely conform to the specified dimensions.</p>	

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		Annex 5	Figure 9	te	The detailed information on the sleeves can be found very precisely in the adequate ISO standard. Here it would be just a repetition which is generally described but not complete. Remove complete section	<p>Figure 9 Sleeve dimensions in the installed state</p> 	
		Annex 5	Figure 10	te	The new drawing shows the relevant and necessary dimensions of the structural components in regard of their strength and their interchangeability. Further dimensions and requirements are fixed in other paragraphs and documents and would only be repeated here.		

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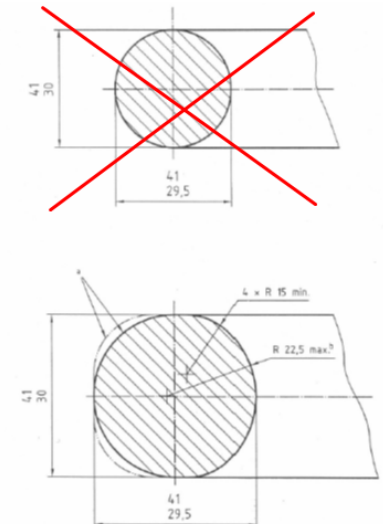
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		Annex 5	Figure 10	ed	Use min and max instead of arithmetic characters for the tolerance of the values	<p>The drawing shows two views of a toroidal drawbar eye. The top view is a side profile with a diameter of 50 max at the narrow end, a length of 80 min for the narrow section, and a total length of 300 min. The diameter at the wide end is 25 max. The bottom view is a top-down view showing a diameter of 100 max and a length of 200 min.</p>	
		Annex 5	4.3.2	ge	Make two different classes d50-1 and d50-2 for the two different alternative dimensions. D50-1 fit for class g and class h (hook and piton) D50-2 fit only for class g (hook)	<p>Figure 11 Dimensions of toroidal drawbar eye of class d50-1</p> <p>Figure 12 Alternative Dimensions of toroidal drawbar eye of class d50-2</p>	

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		Annex 5	Figure 12	te	View is covered with the lower view and can be removed	<p>Figure 12 13 Alternative dimensions of toroidal drawbar eye of class d50</p> 	
		Annex 5	6.3	te	Current designs can combine several options of adjustments	Towing brackets can be designed as quick height-adjustable and or horizontal adjustable (qha), pin height-adjustable (pha) bracket or as frame without height adjustment. Towing brackets for quick height adjustable rail plates.	

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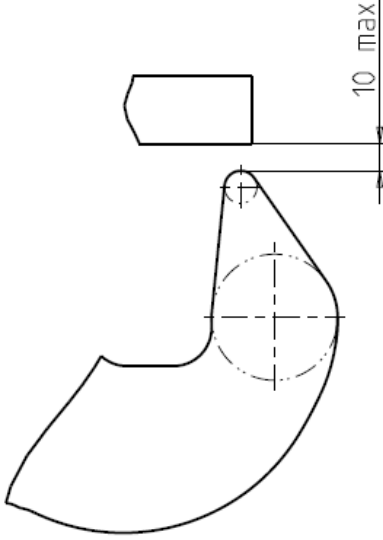
MB/ NC ¹	Line number	Clause/ Subclause	Paragraph/ Figure/ Table/	Type of comment ²	Comments	Proposed change	Observations of the secretariat
		Annex 5	Figure 13	te	The new drawing shows the relevant and necessary dimensions of the structural components in regard of their strength and their interchangeability. Further dimensions and requirements are fixed in other paragraphs and documents and would only be repeated here.	<p>The drawing shows a cross-section of a structural component. It features a curved top edge with a radius of R14₋₃. A vertical dimension of 44₀⁺¹¹ is shown on the left. A horizontal dimension of 12.5₋₃⁺¹ is shown at the top. A circular hole with a diameter of Sϕ47_{-1.6}⁰ is located on the right. A vertical dimension of 16₀⁺³ is shown at the bottom right. A surface finish symbol SR7₀ is indicated on the top surface.</p>	

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		Annex 5	Figure 14	te	The new drawing shows the relevant and necessary dimensions of the structural components in regard of their strength and their interchangeability. Further dimensions and requirements are fixed in other paragraphs and documents and would only be repeated here.	 <p>The drawing shows a structural component with a curved bottom edge and a vertical section on the right. A dimension line indicates a maximum height of 10 units. A dashed circle is drawn around the central part of the component, and a horizontal dashed line passes through its center.</p>	

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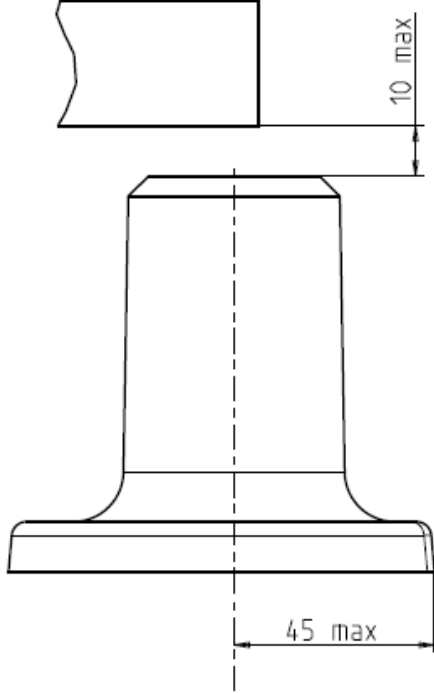
MB/ NC ¹	Line number	Clause/ Subclause	Paragraph/ Figure/ Table/	Type of comment ²	Comments	Proposed change	Observations of the secretariat
		Annex 5	Figure 15	te	The new drawing shows the relevant and necessary dimensions of the structural components in regard of their strength and their interchangeability. Further dimensions and requirements are fixed in other paragraphs and documents and would only be repeated here.		

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		Annex 5	Figure 15	te	The new drawing shows the relevant and necessary dimensions of the structural components in regard of their strength and their interchangeability. Further dimensions and requirements are fixed in other paragraphs and documents and would only be repeated here.	 <p>The drawing shows two views of a structural component. The top view is a partial view of a rectangular block with a wavy left edge. A dimension line indicates a height of 10 max. The bottom view is a full view of a flanged component with a central vertical axis (indicated by a dashed line). The diameter of the base is dimensioned as 45 max.</p>	

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