

Italian proposal for couplings and rings classification

NB1: It is suggested the deletion of sub-classes highlighted in grey in order to reduce their number

NB2: It is suggested the deletion of ring sub-classes highlighted in orange in order to ensure a safe coupling (swivel - non swivel)

Class	Description	Compatibility
Class c	Clevis-type couplings with a pin, a jaw and an automatic or non-automatic closing and locking pin on the towing vehicle for connecting to the trailer by means of a coupling ring. (ISO 6489-2:2002; ISO 6489-3 :2004; ISO 6489-5: 2011); (DIN 11028, CUNA NC 338-02)	d
Class cr	Clevis-type couplings (pin 31 and 38 mm diameter) swivel around longitudinal axis (ISO 6489-2:2002 or DIN 11028)	df
Class cr-31-M-1	Manual clevis coupling, swivel around longitudinal axis, with a pin 31 mm diameter and with standard flange- type bolted fixing	df1 or df2
Class cr-31-A-1	Automatic clevis coupling, swivel around longitudinal axis, with a pin 31 mm diameter and with standard flange- type bolted fixing	df1 or df2
Class cr-31-M-2	Manual clevis coupling, swivel around longitudinal axis, with a pin 31 mm diameter and with standard latching rail plate	df1 or df2
Class cr-31-A-2	Automatic clevis coupling, swivel around longitudinal axis, with a pin 31 mm diameter and with standard latching rail plate	df1 or df2
Class cr-31-M-x	Manual clevis coupling, swivel around longitudinal axis, with a pin 31 mm diameter and with standard other fixing	df1 or df2
Class cr-31-A-x	Automatic clevis coupling, swivel around longitudinal axis, with a pin 31 mm diameter and with standard other fixing	df1 or df2
Class cr-38-M-1	Manual clevis coupling, swivel around longitudinal axis, with a pin 38 mm diameter and with standard flange- type bolted fixing	df1 or df2
Class cr-38-A-1	Automatic clevis coupling, swivel around longitudinal axis, with a pin 38 mm diameter and with standard flange- type bolted fixing	df1 or df2
Class cr-38-M-2	Manual clevis coupling, swivel around longitudinal axis, with a pin 38 mm diameter and with standard latching rail plate	df1 or df2

Class cr-38-A-2	Automatic clevis coupling, swivel around longitudinal axis, with a pin 38 mm diameter and with standard latching rail plate	df1 or df2
Class cr-38-M-x	Manual clevis coupling, swivel around longitudinal axis, with a pin 38 mm diameter and with standard other fixing	df1 or df2
Class cr-38-A-x	Automatic clevis coupling, swivel around longitudinal axis, with a pin 38 mm diameter and with standard other fixing	df1 or df2
Class cf	Clevis-type couplings (pin 18 mm, 28mm, 43mm and 50 mm diameter) non-swivel around longitudinal axis (ISO 6489-3:2004; ISO 6489-5:2011 or CUNA NC 338-02)	dr
Class cf-18-M-1	Manual clevis coupling, non-swivel around longitudinal axis, with a pin 18 mm diameter and with standard flange-type bolted fixing	dr2-22
Class cf-18-A-1	Automatic clevis coupling, non-swivel around longitudinal axis, with a pin 18 mm diameter and with standard flange-type bolted fixing	dr2-22
Class cf-18-M-2	Manual clevis coupling, non-swivel around longitudinal axis, with a pin 18 mm diameter and with standard latching rail plate	dr2-22
Class cf-18-A-2	Automatic clevis coupling, non-swivel around longitudinal axis, with a pin 18 mm diameter and with standard latching rail plate	dr2-22
Class cf-18-M-x	Manual clevis coupling, non-swivel around longitudinal axis, with a pin 18 mm diameter and with standard other fixing	dr2-22
Class cf-18-A-x	Automatic clevis coupling, non-swivel around longitudinal axis, with a pin 18 mm diameter and with standard other fixing	dr2-22
Class cf-28-M-1	Manual clevis coupling, non swivel around longitudinal axis, with a pin 28 mm diameter and with standard flange-type bolted fixing	
Class cf-28-A-1	Automatic clevis coupling, non-swivel around longitudinal axis, with a pin 28 mm diameter and with standard flange-type bolted fixing	
Class cf-28-M-2	Manual clevis coupling, non-swivel around longitudinal axis, with a pin 28 mm diameter and with standard latching rail plate	
Class cf-28-A-2	Automatic clevis coupling, non-swivel around longitudinal axis, with a pin 28 mm diameter and with standard latching rail plate	
Class cf-28-M-x	Manual clevis coupling, non-swivel around longitudinal axis, with a pin 28 mm diameter and with other fixing	

Class cf-28-A-x	Automatic clevis coupling, non-swivel around longitudinal axis, with a pin 28 mm diameter and with other fixing	
Class cf-31-M-x	Manual clevis coupling, non-swivel around longitudinal axis, with a pin 31 mm diameter and with other fixing (only tractor drawbar)	dr6-50
Class cf-43-M-1	Manual clevis coupling, swivel around longitudinal axis, with a pin 43 mm diameter and with standard flange- type bolted fixing	dr6-50
Class cf-43-A-1	Automatic clevis coupling, swivel around longitudinal axis, with a pin 43 mm diameter and with standard flange- type bolted fixing	dr6-50
Class cf-43-M-2	Manual clevis coupling, swivel around longitudinal axis, with a pin 43 mm diameter and with standard latching rail plate	dr6-50
Class cf-43-A-2	Automatic clevis coupling, swivel around longitudinal axis, with a pin 43 mm diameter and with standard latching rail plate	dr6-50
Class cf-43-M-x	Manual clevis coupling, swivel around longitudinal axis, with a pin 43 mm diameter and with standard other fixing	dr6-50
Class cf-43-A-x	Automatic clevis coupling, swivel around longitudinal axis, with a pin 43 mm diameter and with standard other fixing	dr6-50
Class cf-50-M-1	Manual clevis coupling, non swivel around longitudinal axis, with a pin 50 mm diameter and with standard flange- type bolted fixing	
Class cf-50-A-1	Automatic clevis coupling, non-swivel around longitudinal axis, with a pin 50 mm diameter and with standard flange- type bolted fixing	
Class cf-50-M-2	Manual clevis coupling, non-swivel around longitudinal axis, with a pin 50 mm diameter and with standard latching rail plate	
Class cf-50-A-2	Automatic clevis coupling, non-swivel around longitudinal axis, with a pin 50 mm diameter and with standard latching rail plate	
Class cf-50-M-x	Manual clevis coupling, non-swivel around longitudinal axis, with a pin 50 mm diameter and with other fixing	
Class cf-50-A-x	Automatic clevis coupling, non-swivel around longitudinal axis, with a pin 50 mm diameter and with other fixing	

Class d	Coupling rings having a cylindrical hole or a circular cross section and fitted to the drawbar of trailers for connecting to clevis-type couplings (class c)	c or g or h
Class df	Non swivel coupling rings	cr
Class df1	Non swivel coupling rings 40 having a cylindric hole (ISO 8755:2001 or DIN 74054) and fitted to the drawbar of trailers for connecting to clevis-type couplings (class cr)	cr-31 or cr-38
Class df1-40-1	Non swivel coupling rings with standard welding shank	cr-31 or cr-38
Class df1-40-2	Non swivel coupling rings for standard threaded attachment	cr-31 or cr-38
Class df1-40-3	Non swivel coupling rings with standard flange-type fixing	cr-31 or cr-38
Class df1-40-x	Non swivel coupling rings with other fixing	cr-31 or cr-38
Class df2:	Non swivel Coupling rings 40 having a cylindric hole (ISO 5692-2:2002 or DIN 11026) and fitted to the drawbar of a trailer for connecting to a clevis-type coupling (class cr)	cr-31 or cr-38
Class df2-40-1	Non swivel Coupling rings with standard welding shank	cr-31 or cr-38
Class df2-40-2	Non swivel coupling rings for standard threaded attachment	cr-31 or cr-38
Class df2-40-3	Non swivel Coupling rings with standard flange-type fixing	cr-31 or cr-38
Class df2-40-x	Non swivel Coupling rings with other fixing	cr-31 or cr-38
Class df3	Non swivel Coupling rings having a hole with a circular cross-section and 50 mm diameter (ISO 5692-1:2004 or DIN/SAE ...) which are fitted to trailer drawbars for connecting to a hitch hook (class g) or piton-type coupling (class h)	
Class df3-50-1	Non swivel Coupling rings with standard welding shank	

Class df3-50-2	Non swivel coupling rings for standard threaded attachment. Not currently allocated	
Class df3-50-3	Non swivel Coupling rings with standard flange-type fixing	
Class df3-50-x	Non swivel Coupling rings with other fixing	
Class df4	Non swivel Coupling rings having a hole with a 50 mm diameter having circular cross section (ISO 20019:2001 or DIN/SAE...), which are fitted to trailer drawbars for connecting to a hitch hook (class g) or a piton-type coupling (class h)	
Class df4-50-1	Non swivel Coupling rings with standard welding shank	
Class df4-50-2	Non swivel coupling rings for standard threaded attachment. Not currently allocated	
Class df4-50-3	Non swivel Coupling rings with standard flange-type fixing	
Class df4-50-x	Non swivel Coupling rings with other fixing	
Class dr	Swivel coupling rings	cf or g or h
Class dr1	Swivel coupling ring 28 mm having a cylindric hole (ISO 5692-3 or CUNA NC 438-06) and fitted to the drawbar of trailers for connecting to clevis type coupling (class cf-18)	
Class dr1-28-2	Swivel Coupling rings with threaded attachment	
Class dr1-28-3	Swivel Coupling rings with standard flange type fixing	
Class dr1-28-x	Swivel Coupling rings with other fixing	
Class dr2	Swivel coupling ring 22 mm having a hole with a circular cross-section (ISO 5692-3 or CUNA NC 438-06) and fitted to the drawbar of trailers for connecting to clevis type coupling (class cf-18)	cf-18

Class dr2-22-2	Swivel Coupling rings with threaded attachment	cf-18
Class dr2-22-3	Swivel Coupling rings with standard flange type fixing	cf-18
Class dr2-22-x	Swivel Coupling rings with other fixing	cf-18
Class dr3	Swivel coupling ring 45 mm having a cylindric hole (ISO 5692-3 type or CUNA NC 438-06) and fitted to the drawbar of trailers for connecting to clevis type coupling (class cf-28)	
Class dr3-45-2	Swivel Coupling rings with threaded attachment	
Class dr3-45-3	Swivel Coupling rings with standard flange type fixing	
Class dr3-45-x	Swivel Coupling rings with other fixing	
Class dr4	Swivel coupling ring 35 mm having a hole with a circular cross-section (ISO 5692-3 type or CUNA NC 438-06) and fitted to the drawbar of trailers for connecting to clevis type coupling (class cf-28)	
Class dr4-35-2	Swivel Coupling rings with threaded attachment	
Class dr4-35-3	Swivel Coupling rings with standard flange type fixing	
Class dr4-35-x	Swivel Coupling rings with other fixing	
Class dr5	Swivel coupling ring 62 mm having a cylindric hole (ISO 5692-3 type or CUNA NC 438-06) and fitted to the drawbar of trailers for connecting to clevis type coupling (class cf-43)	
Class dr5-62-2	Swivel Coupling rings with threaded attachment	
Class dr5-62-3	Swivel Coupling rings with standard flange type fixing	
Class dr5-62-x	Swivel Coupling rings with other fixing	

Class dr6	Swivel coupling ring 50 mm having a hole with a circular cross-section (ISO 5692-3 type or CUNA NC 438-06) and fitted to the drawbar of trailers for connecting to clevis type coupling (class cf-43)	cf-31 or cf-43 or g or h
Class dr6-50-2	Swivel Coupling rings with threaded attachment	cf-31 or cf-43 or g or h
Class dr6-50-3	Swivel Coupling rings with standard flange type fixing	cf-31 or cf-43 or g or h
Class dr6-50-x	Swivel Coupling rings with other fixing	cf-31 or cf-43 or g or h
Class dr7	Swivel coupling ring 73 mm having a cylindric hole (ISO 5692-3 or CUNA NC 438-06) and fitted to the drawbar of trailers for connecting to clevis type coupling (class cf-50)	
Class dr7-73-2	Swivel Coupling rings with threaded attachment	
Class dr7-73-3	Swivel Coupling rings with standard flange type fixing	
Class dr7-73-x	Swivel Coupling rings with other fixing	
Class dr8	Swivel coupling ring 68 mm having a hole with a circular cross-section (ISO 5692-3 or CUNA NC 438-06) and fitted to the drawbar of trailers for connecting to clevis type coupling (class cf-50)	
Class dr8-68-2	Swivel Coupling rings with threaded attachment	
Class dr8-68-3	Swivel Coupling rings with standard flange type fixing	
Class dr8-68-x	Swivel Coupling rings with other fixing	