

Eurocodes Overview in the FRILO-applications

List of implemented Eurocodes with National Annex

Release R-2019-2

Application name	Short name	DIN EN	ÖNORM EN	BS EN	UNI EN / NTC	PN EN
EN 1991-1-3 - Snow loads						
Wind and Snow Loads	LWS+	2010	2018	2015	2018	
Hip Rafter / Valley Rafter	DGK	2010	2018	2015	2018	
Collar and Articulated Purlins	D7+	2010	2018	2015	2018	
Continuous Rafter	D9	2010	2018	2015	2018	
Glued Laminated Girder	D10	2010	2018	2015	2018	
Purlin and Rafter Roof	D11	2010	2018	2015	2018	
Collar Beam Roof	D12	2010	2018	2015	2018	
EN 1991-1-4 - Wind loads						
Building Model	GEO	2010	2013	2011		
Wind and Snow Loads	LWS+	2010	2013	2011		
Hip Rafter / Valley Rafter	DGK	2010	2013	2011	2018	
Collar and Articulated Purlins	D7+	2010	2013	2011	2018	
Continuous Rafter	D9	2010	2013	2011	2018	
Glued Laminated Girder	D10	2010	2013	2011	2018	
Purlin and Rafter Roof	D11	2010	2013	2011	2018	
Collar Beam Roof	D12	2010	2013	2011	2018	
EN 1992 - Reinforced concrete						
Building Model	GEO	2015	2018	2015	2018	2010
Continuous Beam	DLT	2015	2018	2015	2018	
Plates by Finite Elements	PLT	2015	2011	2015	2018	2010
Panels by Finite Elements	SCN	2015	2018	2015	2018	2010
Reinforced Concrete Design	B2	2015	2018	2015	2018	
Reinforced Concrete Column	B5+	2015	2018	2015	2008	
Punching Shear Analysis	B6+	2015	2018	2015		
Flight of Stairs	B7+	2015	2018	2015		
Pre-stressed Concrete Girder	B8	2015	2018	2015		2010
Reinforced Concrete Corbel	B9+	2015	2018	2015	2018	
Reinforced Concrete Half Joint	B10	2015	2018	2015	2018	
Crack Width Verification	B11	2015	2018	2015		
Isolated Foundation+	FD+	2015	2018	2015		
Pad Foundation	FDB+	2015	2018	2015		
Reinforced Raft Foundation	FDR+	2015	2018	2015		
Strip Foundation	FDS+	2015	2018	2015		
Elastic Bedded Beam	BEB+	2015	2018	2015	2018	
Cantilevered Retaining Wall	WSM+	2015	2011			
Gravity Wall	SGW+	2015	2011			
Framework	ESK/RS	2015	2018	2015		
Tunnel Frame	TEB	2015	2011	2015		

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EN 1993 - Steel						
Building Model	GEO	2015	2007	2008		
Continuous Beam	DLT	2015	2007	2008		
Single-span Steel Column	STS+	2015	2007	2008		
Single-span Steel Beam	STT+	2015	2007	2008		
Steel Column Base	ST3	2015	2007			
Steel Girder Support	ST4	2015	2007	2006		
Weld Desing	ST5	2015	2007			
Pocketed Steel Column Base	ST6	2015	2007	2008		
Steel Section Design	ST7	2015	2007			
Standardized Connections DSTV	ST8	✓				
Bolted Steel Connection	ST9	2015	2007			
Bolted Beam-to-Column Connection	ST10	2015	2007			
Steel Bracing	ST12+	2015	2007	2008		
Welded Beam-to-Column Connection	ST14	2015	2007			
Base Flange	ST15					
Stability analysis for steel	STX+	2015	2007	2008		
Portal Frame	S7+	2015	2007			
Steel Chimney Design	S8					
Crane Runway Girder	S9+	2015	2007	2008		
Antenna Mast Design	ATB					
Lateral Torsional Buckling Analysis	BTII+	2015	2007	2008		
Plate Buckling	PLII+	2010	2008	2008		
Framework	RSX	2015	2007	2008		
Lattice Girder Steel	FWS+	2015	2007	2008		
EN 1994 - Composite steel and concrete structures						
Composite Column	V1					
Composite Beam	V3	2010	2009	2008		
EN 1995 - Timber structures						
Continuous Beam	DLT	2013	2015	2012	2018	
Timber Column	HO1+	2013	2015	2012	2018	
Skew Notch Joint	HO2+	2013	2015	2012	2018	
Timber Tension Joint	HO3+	2013	2015	2012	2018	
Frame Corner	HO6	2013	2015	2012		
Timber Beam	HO7	2013	2015	2012	2018	
Timber Design	HO11+	2013	2015	2012	2018	
Timber Construction Details	HO12	2013	2015	2012		
Timber Joint	HO13+	2013	2015	2012	2018	
Single Fastener Timber Joint	HO14+	2013	2015	2012	2018	
Timber Wall Diaphragms	HTW+	2013	2015	2012	2018	
Lattice Girder Timber	FWH+	2013	2015	2012		
EN 1996 - Masonry structures						
Hip Rafter / Valley Rafter	DGK	2013	2015	2012	2018	
Collar and Articulated Purlins	D7+	2013	2015	2012	2018	
Continuous Rafter	D9	2013	2015	2012	2018	
Glued Laminated Girder	D10	2013	2015	2012	2018	
Purlin and Rafter Roof	D11	2013	2015	2012	2018	
Collar Beam Roof	D12	2013	2015	2012	2018	
Framework	ESK/RS	2013	2015	2012		

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EN 1996 - Masonry						
Multi-storey Masonry Wall	MWM+	2015	2009	2007		
Basement Masonry Wall	MWK+	2015	2009	2007		
Masonry Column	MWP+	2015	2009	2007		
Masonry Design	MWX+	2015	2009	2007		
EN 1997 - Geotechnical structures						
Isolated Foundation	FD+	2010	2013	2014		
Pad Foundation	FDB+	2010	2013	2014		
Reinforced Raft Foundation	FDR+	2010	2013	2014		
Strip Foundation	FDS+	2010	2013	2014		
Soil Failure Analysis	GBR+	2010	2013	2014		
Slope Failure Analysis	BBR	2009	2007	2007		
Cantilevered Retaining Wall	WSM+	2010	2013			
Gravity Wall	SGW+	2010	2013			
EN 1998 - Earthquake resistance						
Building Model	GEO	2011	2011			
EN 1999 - Aluminum						
Framework	ESK/RS	2010		2010		
Continuous Beam	DLT	2010		2010		

Remark: The specified date refers to the implemented version of the National Annex of the program.

In the FRILO user interface a simplified shorthand is used for the National Annex.

This name corresponds to a design code-compliant long text (National Annex) in the FRILO text output.

Country - example timber	Version	NA user interface (short)	NA text output (long)
Germany	2013	DIN EN 1995:2013	DIN EN 1995-1-1/NA:2013-08
Austria	2015	ÖNORM EN 1995:2015	ÖNORM B 1995-1-1:2015-06
United Kingdom	2012	BS EN 1995:2012	NA to BS EN 1995-1-1/A2:2012
Italy	2018	NTC EN 1995:2018	UNI EN 1995-1-1/NTC:2018