



2. SPECIAL CLASS ATTRIBUTE & ATTRIBUTE CLASS CARDINALITIES

Class Attribute “Class cardinality”



- ▶ The class attribute „**Class cardinality** “ contains the **cardinality definition of the current class**. The cardinality of a class describes
 - ▶ **the minimal/maximal number of objects of this class per model** und
 - ▶ **the minimal/maximal number of relations of a specific type**, incoming or outgoing from the object.
- ▶ If no cardinalities are defined then there are also no restrictions for this class.

Hint:

- A validation of the class cardinality can be performed in the toolkit either with each save or only when manually selecting the function (depending on the customizing).
- Please consult the ADOxx-Manual volume 4 for a detailed description of the cardinality definition.



Commands of the Class Cardinality

CARDINALITIES

The cardinality definition must start with this command to be valid. It has no parameters.

RELATION „*RelationName*“

Restricts the following commands to the relation class with the name *<RelationName>*.

FROM_CLASS „*ClassName*“ / TO_CLASS „*ClassName*“

Restricts the following commands to relations with the class of *<ClassName>*.



Parameters of the Class Cardinality

min-objects / max-objects

Specifies how many objects of a class can minimally/maximally be available in the model.

min-relations / max-relations

Specifies the minimal/maximal number of relations which can be connected with this object from this class.

max-outgoing / min-outgoing / max-incoming / min-incoming

Restricts the number of allowed incoming/outgoing relations; either:

- in general or

- with a preceding **RELATION** command only for this relation or

- with a preceding **FROM_CLASS** or **TO_CLASS** command only for relations to these classes.