| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/WildcardType.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/lang/model/type/UnknownTypeException.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/type/WildcardType.html)    [**NO FRAMES**](http://docs.google.com/WildcardType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

## **javax.lang.model.type**

Interface WildcardType

**All Superinterfaces:** [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html)

public interface **WildcardType**extends [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html)

Represents a wildcard type argument. Examples include:

?  
 ? extends Number  
 ? super T

A wildcard may have its upper bound explicitly set by an extends clause, its lower bound explicitly set by a super clause, or neither (but not both).

**Since:** 1.6

| **Method Summary** | |
| --- | --- |
| [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html) | [**getExtendsBound**](http://docs.google.com/javax/lang/model/type/WildcardType.html#getExtendsBound())()            Returns the upper bound of this wildcard. |
| [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html) | [**getSuperBound**](http://docs.google.com/javax/lang/model/type/WildcardType.html#getSuperBound())()            Returns the lower bound of this wildcard. |

| **Methods inherited from interface javax.lang.model.type.**[**TypeMirror**](http://docs.google.com/javax/lang/model/type/TypeMirror.html) |
| --- |
| [accept](http://docs.google.com/javax/lang/model/type/TypeMirror.html#accept(javax.lang.model.type.TypeVisitor,%20P)), [equals](http://docs.google.com/javax/lang/model/type/TypeMirror.html#equals(java.lang.Object)), [getKind](http://docs.google.com/javax/lang/model/type/TypeMirror.html#getKind()), [hashCode](http://docs.google.com/javax/lang/model/type/TypeMirror.html#hashCode()), [toString](http://docs.google.com/javax/lang/model/type/TypeMirror.html#toString()) |

| **Method Detail** |
| --- |

### getExtendsBound

[TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html) **getExtendsBound**()

Returns the upper bound of this wildcard. If no upper bound is explicitly declared, null is returned.

**Returns:**the upper bound of this wildcard

### getSuperBound

[TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html) **getSuperBound**()

Returns the lower bound of this wildcard. If no lower bound is explicitly declared, null is returned.

**Returns:**the lower bound of this wildcard

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/WildcardType.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/lang/model/type/UnknownTypeException.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/type/WildcardType.html)    [**NO FRAMES**](http://docs.google.com/WildcardType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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