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## **AIMMS Function Reference - Common Suffices**

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**Part V**

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**Suffices**

# Common Suffices

The following collection of suffices are common to all identifier types.

- `.dim`
- `.domain`
- `.txt`
- `.type`
- `.unit`

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## Example

These suffices, except `.Domain` are typically appended to an index into the set `AllIdentifiers` or a subset thereof. Consider the following declaration:

```
SET:
  identifier : SelectedIdentifiers
  subset of  : AllIdentifiers
  index      : si
  order by   : si ;
```

Then the following loop will make a simple overview of those identifiers:

```
SelectedIdentifiers := AllParameters ; ! Or some other selection.

put outf ;

outf.pagewidth := 255 ; ! Wide
put "type":20, " ", "name":32, " ", "dim ", "unit":20, " ", "Text", / ;
put "-"*20, " ", "-"*32, " ", "--- ", "-"*20, " ", "-"*40, / ;

for ( si ) do
  ! For each selected identifier
  put si.type:20, " " ! Type
  si:32, " " ! name
  ("si.dim:1:0, ") ", ! dimension
  si.unit:20, " ", ! unit
  si.txt, / ! Documenting text.
endfor ;

putclose ;
```

**Remarks:**

Note that the suffices `.dim`, `.txt` and `.type` are deprecated.  
See also Section [23.4](#) of the Language Reference.

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**.dim****Definition:**

The `.dim` suffix returns the dimension of the identifier at hand.

**Datatype:**

The value of the `.dim` suffix is numeric.

**Dimension:**

The dimension of the `.dim` suffix itself is scalar.

**Remarks:**

- This suffix is deprecated and it is advised to use the intrinsic function `IdentifierDimension` instead.
- See also Section [23.4](#) of the Language Reference.

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**.domain****Definition:**

The `.domain` suffix returns the contents of the index domain condition of the identifier at hand.

**Datatype:**

The value of the `.domain` suffix is an integer in the range  $\{0..1\}$ .

**Dimension:**

The dimension of the `.domain` suffix is equal to the dimension of the identifier at hand.

**Remarks:**

- See also Section [4.1](#) of the Language Reference.

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**.txt****Definition:**

The `.txt` suffix returns the contents of the `text` attribute of the identifier at hand. When that attribute is empty it returns the name of the identifier itself.

**Datatype:**

The value of a `.txt` suffix is a string.

**Dimension:**

The `.txt` suffix is scalar.

**Remarks:**

- This suffix is typically used with an index into the set `AllIdentifiers`, as illustrated in the common example on page 1023.
- See also Section 23.4 of the Language Reference.
- The GAMS equivalent name is `.ts`.
- This suffix is deprecated.

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**.type****Definition:**

The `.type` suffix returns the type of the identifier at hand.

**Datatype:**

The value of the `.type` suffix is an element in the Set `AllIdentifierTypes`.

**Dimension:**

The `.type` suffix is scalar.

**Remarks:**

- This suffix is typically used with an index into the set `AllIdentifiers`, as illustrated in the common example on page 1023.
- See also Section 23.4 of the Language Reference.
- This suffix is deprecated, see `IdentifierType`.

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**.unit****Definition:**

The `.unit` suffix returns the unit of the identifier at hand.

**Datatype:**

The datatype of the `unit` suffix is `string`

**Dimension:**

The `.unit` suffix is scalar.

**Remarks:**

- This suffix is typically used with an index into the set `AllIdentifiers`, as illustrated in the common example on page 1023.
- See also the function `IdentifierUnit`
- See also Section 23.4 of the Language Reference.