

UF_WEIGHT_exception_reason_e [\(view source\)](#)

Defined in: `uf_weight.h`

Also known as:

- `UF_WEIGHT_exception_reason_t`
- `UF_WEIGHT_exception_reason_p_t`

Overview

Values for the different exceptions that can be generated while calculating weight data.

Data Members

UF_WEIGHT_not_loaded = 1

The part or component is unloaded, and cached properties are not available for it.

UF_WEIGHT_insufficiently_loaded = 2

The part or component is only partially loaded, but some necessary data is not loaded, and cached properties are not available for it.

UF_WEIGHT_ref_set_absent = 3

The solids in a part contributing to its weight properties are defined by a reference set not currently in the part.

UF_WEIGHT_comp_set_absent = 4

The components of a part contributing to its weight properties are defined by a component set not currently in the part.

UF_WEIGHT_under_minimum_weight = 8

The part or component is below its minimum weight limit.

UF_WEIGHT_over_maximum_weight = 9

The part or component is above its maximum weight limit.

UF_WEIGHT_has_assertion = 11

The part or component has asserted data on it.

UF_WEIGHT_insufficient_accuracy = 12

The part or component is unloaded, or only partially loaded without some necessary data being loaded. The only cache available was of lower accuracy than asked for.

UF_WEIGHT_incomplete_part = 15

The part or component is incomplete, indicating that the assembly structure found in the part does not necessarily represent the full assembly structure (for example, as known to TeamCenter).

UF_WEIGHT_comp_group_not_uptodate = 16

Indicates that the component group update has failed.

UF_WEIGHT_comp_group_updated_successfully = 17

Indicates that the component group has been successfully updated before the weight calculation.

UF_WEIGHT_reference_only_component = 18

The component is a Reference-Only component and these are excluded from the weight calculation.

UF_WEIGHT_excluded_from_spatial_search = 19

The design element is excluded from spatial search and should be ignored during weight calculation.

UF_WEIGHT_promotion_with_source_suppressed = 20

Source body of a promoted body is in suppressed state.

UF_WEIGHT_state_type_e ([view source](#))

Defined in: `uf_weight.h`

Also known as:

- `UF_WEIGHT_state_type_t`
- `UF_WEIGHT_state_type_p_t`

Overview

Values for weight property states.

Data Members**UF_WEIGHT_no_cache = 0**

no data available

UF_WEIGHT_cached = 1

The property or properties are the result of a calculation on geometry.

UF_WEIGHT_asserted = 2

The property or properties have been explicitly asserted.

UF_WEIGHT_unknown = 3

The property has been asserted to be unknown.

UF_WEIGHT_inherited = 4

The properties on a component are an assertion inherited from an assertion on a part.

UF_WEIGHT_implied = 6

The property has been derived from other properties.

UF_WEIGHT_units_type_e [\(view source\)](#)

Defined in: `uf_weight.h`

Also known as:

- `UF_WEIGHT_units_type_t`
- `UF_WEIGHT_units_type_p_t`

Overview

Enum for possible units of mass and length for weight properties.

Data Members

`UF_WEIGHT_units_km = 0`

Kilograms and meters

`UF_WEIGHT_units_li`

Pounds and inches

`UF_WEIGHT_units_lf`

Pounds and feet

`UF_WEIGHT_units_gm`

Grams and millimeters

`UF_WEIGHT_units_gc`

Grams and centimeters

`UF_WEIGHT_units_custom`

user selected units - reserved for internal use

`UF_WEIGHT_units_kmm`

Kilograms and millimeters
