UF_DRF_align_position_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_align_position_t

Overview

UF_DRF_align_position_t specifies the site locations in the text box which can be used to locate a drafting object

Data Members

UF_DRF_ALIGN_TOP_LEFT = 1

UF_DRF_ALIGN_TOP_CENTER = 2

UF_DRF_ALIGN_TOP_RIGHT = 3

UF_DRF_ALIGN_MID_LEFT = 4

UF_DRF_ALIGN_MID_CENTER = 5

UF_DRF_ALIGN_MID_RIGHT = 6

UF_DRF_ALIGN_BOTTOM_LEFT = 7

UF_DRF_ALIGN_BOTTOM_CENTER = 8

UF_DRF_ALIGN_BOTTOM_RIGHT = 9

UF_DRF_angular_suppress_zeros_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_angular_suppress_zeros_t

Overview

suppress zeros for angular dimension only

Data Members

UF_DRF_ANG_DISPLAY_ZEROS = 1

Display all zeros in angular dimension for both nominal and tolerance

UF_DRF_ANG_SUPPRESS_LEADING_ZEROS
Suppress leading zeros in angular dimension for both nominal and tolerance

UF_DRF_ANG_SUPPRESS_ANY_ZEROS
Suppress any zeros in angular dimension for both nominal and tolerance

UF_DRF_ANG_SUPPRESS_TRAILING_ZEROS
Suppress trailing zeros for angular dimension for both its nominal and tolerance

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UF_DRF_angular_units_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_angular_units_t

Overview
UF_DRF_angular_format_t specifies the supported formats for angular display.

Data Members

UF_DRF_FRACTIONAL_DEGREES = 1

UF_DRF_WHOLE_DEGREES

UF_DRF_DEGREES_MINUTES

UF_DRF_DEGREES_MINUTES_SECONDS

UF_DRF_appended_text_location_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_appended_text_location_t

Overview
These are the valid settings for appended text location

Data Members

UF_DRF_APPENDED_TEXT_BEFORE
Appended text is Before the dimension

UF_DRF_APPENDED_TEXT_AFTER
Appended text is After the dimension

UF_DRF_APPENDED_TEXT_ABOVE
Appended text is Above the dimension

UF_DRF_APPENDED_TEXT_BELOW
Appended text is Below the dimension

UF_DRF_area_fill_material_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_area_fill_material_t

Overview
UF_DRF_area_fill_material_t specifies the material to be represented for area fill

Data Members

UF_DRF_CORK_FELT = (int)UF_DRF_corkfeltfiber

UF_DRF_SOUND_INSULATION = (int)UF_DRF_soundinsulation

UF_DRF_CONCRETE = (int)UF_DRF_concrete

UF_DRF_EARTH = (int)UF_DRF_earth

UF_DRF_ROCK = (int)UF_DRF_rock

UF_DRF_SAND = (int)UF_DRF_sand

UF_DRF_LIQUIDS = (int)UF_DRF_liquids

UF_DRF_WOOD_ACROSS_GRAIN = (int)UF_DRF_woodacrossgrain

UF_DRF_WOOD_ALONG_GRAIN = (int)UF_DRF_woodwithgrain

UF_DRF_SOLID_FILL

UF_DRF_arrow_display_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_arrow_display_t

Overview

UF_DRF_dimension_extension_line_t specifies whether arrows are to be displayed on each side of the dimension

Data Members

UF_DRF_DISPLAY_TWO_ARROWS = 1

UF_DRF_DISPLAY_ARROW_1

UF_DRF_DISPLAY_ARROW_2

UF_DRF_DISPLAY_NO_ARROWS

UF_DRF_arrow_fill_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_arrow_fill_type_t

Overview

Possible value for filled arrowhead

Data Members

UF_DRF_ARROW_NO_FILL

filled arrowheads

UF_DRF_ARROW_FILLED

no fill arrowheads

UF_DRF_arrow_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_arrow_type_t

Overview

Possible values for arrowhead type

Data Members

UF_DRF_ARROW_CLOSED = 1
closed arrowhead

UF_DRF_ARROW_OPEN
open arrowhead

UF_DRF_ARROW_CROSS
cross arrowhead

UF_DRF_ARROW_DOT
dot arrowhead

UF_DRF_ARROW_SYM
origin symbol

UF_DRF_ARROW_NONE
none

UF_DRF_DATUM_ARROW
Datum symbol

UF_DRF_ARROW_SOLID_CLOSED
closed solid arrowhead

UF_DRF_ARROW_DOUBLE_CLOSED
closed double arrowhead

UF_DRF_ARROW_DOUBLE_SOLID_CLOSED
closed double solid arrowhead

UF_DRF_ARROW_DOUBLE_OPEN
open double arrowhead

UF_DRF_ARROW_INTEGRAL
integral

UF_DRF_ARROW_BOX
box

UF_DRF_ARROW_TOP_OPEN
single side top open arrowhead

UF_DRF_ARROW_BOTTOM_OPEN
single side bottom open arrowhead

UF_DRF_arrowhead_and_fill_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_arrowhead_and_fill_type_t

Overview

Possible values for combined arrowhead and fill type

The enum value corresponding to 7 is unused since there is no mapping of the datum symbol.

Data Members

UF_DRF_FILLED_DOT = -1
filled dot

UF_DRF_FILLED_ARROW = 0
filled arrowhead

UF_DRF_CLOSED_ARROW = (int)UF_DRF_ARROW_CLOSED
closed arrowhead

UF_DRF_OPEN_ARROW = (int)UF_DRF_ARROW_OPEN
open arrowhead

UF_DRF_CROSS_ARROW = (int)UF_DRF_ARROW_CROSS
cross arrowhead

UF_DRF_DOT_ARROW = (int)UF_DRF_ARROW_DOT
dot arrowhead

UF_DRF_ORIGIN_SYMBOL_ARROW = (int)UF_DRF_ARROW_SYM
origin symbol

UF_DRF_NO_ARROW = (int)UF_DRF_ARROW_NONE
none

UF_DRF_CLOSED_SOLID_ARROW = (int)UF_DRF_ARROW_SOLID_CLOSED
closed solid arrowhead

UF_DRF_CLOSED_DOUBLE_ARROW = (int)UF_DRF_ARROW_DOUBLE_CLOSED
closed double arrowhead

UF_DRF_CLOSED_DOUBLE_SOLID_ARROW = (int)UF_DRF_ARROW_DOUBLE_SOLID_CLOSED
closed double solid arrowhead

UF_DRF_OPEN_DOUBLE_ARROW = (int)UF_DRF_ARROW_DOUBLE_OPEN
open double arrowhead

UF_DRF_INTEGRAL_ARROW = (int)UF_DRF_ARROW_INTEGRAL
integral

UF_DRF_BOX_ARROW = (int)UF_DRF_ARROW_BOX
box

UF_DRF_FILLED_BOX = 14
filled box

UF_DRF_FILLED_DOUBLE_ARROW = 15
filled double arrowhead

UF_DRF_assoc_line_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_assoc_line_type_t

Overview

Line associativity types

Data Members

UF_DRF_ASSOC_LINE_TYPE_NONE

UF_DRF_EXISTING_LINE

UF_DRF_TWO_POINTS

UF_DRF_DWG_LINE

UF_DRF_ASSOC_LINE_TYPE_MAX

UF_DRF_assoc_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_assoc_type_t

Overview
object associativity types

Data Members

UF_DRF_assoc_type_none = 0

UF_DRF_end_point

UF_DRF_arc_center
object must be an arc

UF_DRF_tangency
object must be an arc

UF_DRF_intersection

UF_DRF_dwg_pos

UF_DRF_utility_symbol = 9

UF_DRF_smart_point
Used only for UF_DRAW section
line associativities.

UF_DRF_on_annotation
object must be an annotation

UF_DRF_on_stub
object must be an annotation

UF_DRF_assoc_type_maximum

UF_DRF_associative_origin_type_t (view source)

Defined in: uf_drf_types.h

Overview
The following enumerated type is used to define the type of associative origin on an annotation.

Data Members

UF_DRF_ORIGIN_DRAG

UF_DRF_ORIGIN_RELATIVE_TO_VIEW

UF_DRF_ORIGIN_RELATIVE_TO_GEOMETRY

UF_DRF_ORIGIN_VERTICALLY_ALIGNED

UF_DRF_ORIGIN_HORIZONTALLY_ALIGNED

UF_DRF_ORIGIN_ALIGNED_WITH_ARROWS

UF_DRF_ORIGIN_AT_A_POINT

UF_DRF_ORIGIN_OFFSET_FROM_TEXT

UF_DRF_ORIGIN_STACK

UF_DRF_block_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_block_type_t

Overview
Drafting block types

Data Members

UF_DRF_LINE_BLOCK
lines

UF_DRF_ARCS_BLOCK
arcs

UF_DRF_TEXT_BLOCK
text

UF_DRF_ARROWS_BLOCK
arrows

UF_DRF_ASSOCIATIVITY_BLOCK
associativity

UF_DRF_chamfer_dimension_form_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_chamfer_dimension_form_t

Overview
Chamfer Dimension : dimension form

Data Members

UF_DRF_CHAMFER_FORM_SYMBOL = 1

UF_DRF_CHAMFER_FORM_SIZE

UF_DRF_CHAMFER_FORM_SIZEANGLE

UF_DRF_CHAMFER_FORM_ANGLESIZE

UF_DRF_chamfer_dimension_leader_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_chamfer_dimension_leader_type_t

Overview
Chamfer Dimension : leader type

Data Members

UF_DRF_CHAMFER_PERPENDICULAR_LEADER = 1

UF_DRF_CHAMFER_PARALLEL_LEADER

UF_DRF_CHAMFER_LINEAR_CHAMFER_DIM

UF_DRF_chamfer_dimension_stub_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_chamfer_dimension_stub_type_t

Overview
Chamfer Dimension : stub type

Data Members

UF_DRF_CHAMFER_TEXTABOVE_LEADER_NOSTUB = 1

UF_DRF_CHAMFER_TEXTAFTER_LEADER_NOSTUB

UF_DRF_CHAMFER_TEXTABOVE_STUB

UF_DRF_CHAMFER_TEXTAFTER_STUB

UF_DRF_chamfer_dimension_symbol_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_chamfer_dimension_symbol_type_t

Overview
Chamfer Dimension : symbol type

Data Members

UF_DRF_CHAMFER_NONE_SYMBOL = 1

UF_DRF_CHAMFER_PREFIX_SYMBOL

UF_DRF_CHAMFER_SUFFIX_SYMBOL

UF_DRF_custom_symbol_text_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_custom_symbol_text_type_t

Overview

Text types for custom symbols

Data Members

UF_DRF_MANDATORY_TEXT

Text that cannot change

UF_DRF_PARTIALLY_CONTROLLED_TEXT

Text that is controlled via a list, but may be arbitrary

UF_DRF_FULLY_CONTROLLED_TEXT

Text that is controlled solely via a list

UF_DRF_ARBITRARY_TEXT

Text that is completely arbitrary

UF_DRF_INTEGER_TEXT

Text that must be an integer with upper and lower bounds

UF_DRF_REAL_TEXT

Text that must be a real number with upper and lower bounds

UF_DRF_RULE_TEXT

Text that is driven by KF rule

UF_DRF_decimal_point_character_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_decimal_point_character_t

Overview

UF_DRF_decimal_point_character_t specifies the decimal point character, period or comma

Data Members

UF_DRF_DECIMAL_POINT_PERIOD = 1

UF_DRF_DECIMAL_POINT_COMMA

UF_DRF_diameter_radius_placement_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_diameter_radius_placement_t

Overview

UF_DRF_diameter_radius_placement_t specifies the diameter or radius symbol placement

Data Members

UF_DRF_DIA_RAD_BELOW = 1

UF_DRF_DIA_RAD_AFTER

UF_DRF_DIA_RAD_ABOVE

UF_DRF_DIA_RAD_BEFORE

UF_DRF_DIA_RAD_OMIT

UF_DRF_diameter_symbol_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_diameter_symbol_t

Overview

UF_DRF_diameter_symbol_t specifies the symbol type for a diameter dimension symbol

Data Members

UF_DRF_DIAMETER_USE_DIA = 1

UF_DRF_STANDARD_DIAMETER_SYMBOL

UF_DRF_USER_DEFINED_DIAMETER_SYMBOL

UF_DRF_SPHERICAL_DIAMETER_SYMBOL

UF_DRF_dimension_orientation_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_dimension_orientation_t

Overview

UF_DRF_dimension_orientation_t specifies the alignment of text relative to the dimension orientation.

Data Members

UF_DRF_DIMENSION_TEXT_HORIZONTAL = 1

UF_DRF_DIMENSION_TEXT_ALIGNED

UF_DRF_DIMENSION_TEXT_OVER_DIMENSION_LINE

UF_DRF_DIMENSION_TEXT_BY_ANGLE

UF_DRF_DIMENSION_TEXT_PERPENDICULAR

UF_DRF_DIMENSION_TEXT_SPLIT_BY_DIMENSION_LINE

UF_DRF_dogleg_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_dogleg_type_t

Overview

Ordinate dimension dog leg display types

Data Members

UF_DRF_ORDDIMENSION_NO_DOGLEG = 1

Ordinate dimension without dog leg

UF_DRF_ORDDIMENSION_DOGLEG
Ordinate dimension with dog leg

UF_DRF_dual_dimension_format_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_dual_dimension_format_t

Overview
UF_DRF_dual_dimension_format_t specifies the supported formats for dual dimension display.

Data Members

UF_DRF_DUAL_DIMENSION_BELOW = 1

UF_DRF_DUAL_DIMENSION_AFTER

UF_DRF_DUAL_DIMENSION_ABOVE

UF_DRF_DUAL_DIMENSION_BEFORE

UF_DRF_NO_DUAL_DIMENSION

UF_DRF_extension_line_display_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_extension_line_display_t

Overview
UF_DRF_dimension_extension_line_t specifies whether extension lines are to be displayed on each side of the dimension

Data Members

UF_DRF_DISPLAY_TWO_EXT_LINES = 1

UF_DRF_DISPLAY_EXT_LINE_1

UF_DRF_DISPLAY_EXT_LINE_2

UF_DRF_DISPLAY_NO_EXT_LINE

UF_DRF_fraction_denominator_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_fraction_denominator_t

Data Members

UF_DRF_FRACTION_DENOM_1 = 1

UF_DRF_FRACTION_DENOM_2 = 2

UF_DRF_FRACTION_DENOM_4 = 4

UF_DRF_FRACTION_DENOM_8 = 8

UF_DRF_FRACTION_DENOM_16 = 16

UF_DRF_FRACTION_DENOM_32 = 32

UF_DRF_FRACTION_DENOM_64 = 64

UF_DRF_fraction_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_fraction_type_t

Overview

UF_DRF_fraction_type_t specifies the supported format for dimension text.

Data Members

UF_DRF_DECIMAL = 1

UF_DRF_HALF_SIZE_FRACTION = 2

UF_DRF_TWO_THIRD_SIZE_FRACTION = 3

UF_DRF_FULL_SIZE_FRACTION = 4

UF_DRF_frame_corner_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_frame_corner_t

Overview
frame corner for UF_DRF_leader_type_t = UF_DRF_leader_type_ext_line

Data Members

UF_DRF_frame_none = 0

UF_DRF_frame_upper_left = 1

UF_DRF_frame_upper_right

UF_DRF_frame_lower_left

UF_DRF_frame_lower_right

UF_DRF_id_symbol_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_id_symbol_type_t

Overview
id symbol types

Data Members

UF_DRF_sym_circle = 1
circle

UF_DRF_sym_divcir
divided circle

UF_DRF_sym_square
square

UF_DRF_sym_divsqr
divided square

UF_DRF_sym_hexagon
hexagon

UF_DRF_sym_divhex
divided hexagon

UF_DRF_sym_triup
triangle, point up

UF_DRF_sym_tridown
triangle, point down

UF_DRF_sym_datum
datum target

UF_DRF_sym_roundbox
rounded box

UF_DRF_sym_underline
underline

UF_DRF_sym_maximum

UF_DRF_inherit_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_inherit_type_t

Overview

enum declarations for the types of feature annotation which can be inherited
Currently only UF_DRF_INHERIT_FEATURE_PARAMETERS is supported

Data Members

UF_DRF_INHERIT_FEATURE_PARAMETERS = 1
Inherit only annotation for feature parameters

UF_DRF_INHERIT_POSITIONAL_DIMENSIONS
Inherit only annotation for the feature position

UF_DRF_INHERIT_PARAMETERS_AND_POSITIONS
Inherit annotation for both feature parameters
and the feature position

UF_DRF_inspection_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_inspection_type_t

Overview

Dimension inspection display option

Data Members

UF_DRF_NO_INSPECTION = 0

UF_DRF_WITH_INSPECTION

UF_DRF_leader_attach_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_leader_attach_type_t

Overview

leader attachment type

Data Members

UF_DRF_leader_attach_object = 1

attached to object

UF_DRF_leader_attach_screen

screen position

UF_DRF_leader_attach_triangle

datum triangle - gd&t symbols only

UF_DRF_leader_mode_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_leader_mode_t

Overview

leader mode

Data Members

UF_DRF_without_leader = 1
without leader

UF_DRF_with_leader
with leader

UF_DRF_leader_orientation_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_leader_orientation_t

Overview
Possible values for leader orientation:

Data Members

UF_DRF_NO_STUB
without stub

UF_DRF_LEADER_LEFT
left orientation

UF_DRF_LEADER_RIGHT
right orientation

UF_DRF_LEADER_TOP
top orientation

UF_DRF_LEADER_BOTTOM
bottom orientation

UF_DRF_leader_side_e (view source)

Defined in: uf_drf_types.h

Data Members

UF_DRF_LEADER_SIDE_LEFT = 0

UF_DRF_LEADER_SIDE_RIGHT

UF_DRF_leader_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_leader_type_t

Overview

leader type

Data Members

UF_DRF_leader_type_none = 1

none

UF_DRF_leader_type_line

leader line

UF_DRF_leader_type_ext_line

leader extension line

UF_DRF_leader_type_datum

Datum leader line -
GD&T symbols only

UF_DRF_leader_type_maximum

UF_DRF_line_width_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_line_width_t

Overview

UF_DRF_line_width_t specifies the supported line widths
Extended enum and validation condition to support new line widths

Data Members

UF_DRF_NORMAL = 1

UF_DRF_THICK = 2

UF_DRF_THIN = 3

UF_DRF_THICKNESS_ONE = 6

UF_DRF_THICKNESS_TWO = 7

UF_DRF_THICKNESS_THREE = 8

UF_DRF_THICKNESS_FOUR = 9

UF_DRF_THICKNESS_FIVE = 10

UF_DRF_THICKNESS_SIX = 11

UF_DRF_THICKNESS_SEVEN = 12

UF_DRF_THICKNESS_EIGHT = 13

UF_DRF_THICKNESS_NINE = 14

UF_DRF_linear_units_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_linear_units_t

Overview

UF_DRF_linear_units_t specifies the supported types of linear units.

Data Members

UF_DRF_MILLIMETERS = 1

UF_DRF_METERS

UF_DRF_INCHES

UF_DRF_ARCHITECTURAL_FEET_INCHES

UF_DRF_ENGINEERING_FEET_INCHES

UF_DRF_narrow_dimension_display_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_narrow_dimension_display_type_t

Data Members

UF_DRF_NARROW_DISPLAY_NONE = 0

UF_DRF_NARROW_DISPLAY_NO_LEADER

UF_DRF_NARROW_DISPLAY_WITH_LEADER_NO_STUB

UF_DRF_NARROW_DISPLAY_TEXT_ABOVE_STUB

UF_DRF_NARROW_DISPLAY_TEXT_AFTER_STUB

UF_DRF_narrow_dimension_text_orientation_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_narrow_dimension_text_orientation_t

Data Members

UF_DRF_NARROW_HORIZONTAL = 0

UF_DRF_NARROW_PARALLEL

UF_DRF_object_assoc_line_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_object_assoc_line_type_t

Overview

The following enumerated type contains those "line types" supported by annotation associativities.

Data Members

UF_DRF_NO_LINE_TYPE

UF_DRF_EXISTING_LINE_TYPE

UF_DRF_POINT_VECTOR_LINE_TYPE

UF_DRF_EXTENSION_LINE_TYPE

UF_DRF_CENTERLINE_COMPONENT_LINE_TYPE

UF_DRF_ENTERED_ANGLE_LINE_TYPE

UF_DRF_HORIZONTAL_RIGHT_LINE_TYPE

UF_DRF_VERTICAL_UP_LINE_TYPE

UF_DRF_HORIZONTAL_LEFT_LINE_TYPE

UF_DRF_VERTICAL_DOWN_LINE_TYPE

UF_DRF_BASE_LINE_TYPE

UF_DRF_object_assoc_point_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_object_assoc_point_type_t

Overview

The following enumerated type contains those "point types" supported by annotation associativities.

Spline Pole point, Conic Anchor Point, Spline Defining Point and Routing Point associativity are not supported via UF.

Data Members

UF_DRF_NO_POINT_TYPE

UF_DRF_CONTROL_POINT_POINT_TYPE

UF_DRF_ARC_CENTER_POINT_TYPE

UF_DRF_TANGENT_POINT_TYPE

UF_DRF_INTERSECTION_POINT_TYPE

UF_DRF_SCREEN_POSITION_POINT_TYPE

UF_DRF_CYLINDRICAL_FACE_TYPE

UF_DRF_POINT_ON_CURVE_POINT_TYPE

UF_DRF_OFFSET_CIRCLE_POINT_TYPE

UF_DRF_SPLINE_POLE_POINT_TYPE

UF_DRF_CONIC_ANCHOR_POINT_TYPE

UF_DRF_SPLINE_DEF_POINT_TYPE

UF_DRF_ROUTING_POINT_TYPE

UF_DRF_ordarrow_line_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_ordarrow_line_type_t

Overview
Ordinate dimension arrow and line display types

Data Members

UF_DRF_ORDARROW_LINE_NO_DISPLAY
Don't display ordinate dimension
arrow and dimension line

UF_DRF_ORDARROW_LINE_DISPLAY
Display ordinate dimension
arrow and dimension line

UF_DRF_orddim_margin_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_orddim_margin_type_t

Overview
Ordinate dimension margin types

Data Members

UF_DRF_ORDHORIZONTAL_MARGIN
Horizontal ordinate margin

UF_DRF_ORDVERTICAL_MARGIN
Vertical ordinate margin

UF_DRF_ordorigin_display_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_ordorigin_display_type_t

Overview
Ordinate dimension origin name display type

Data Members

UF_DRF_ORDORIGIN_UD_SYMBOL
User-Defined symbol

UF_DRF_ORDORIGIN_HOR_VER_DIM
Horizontal and vertical
dimensions

UF_DRF_ORDORIGIN_HORIZONTAL_DIM
Horizontal dimensions only

UF_DRF_ORDORIGIN_VERTICAL_DIM
Vertical dimensions only

UF_DRF_ORDORIGIN_NAME
Ordinate origin name

UF_DRF_quadrant_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_quadrant_type_t

Overview
Ordinate dimension positive quadrant

Data Members

UF_DRF_QUADRANT_ONE = 1
Positive quadrant number one

UF_DRF_QUADRANT_TWO
Positive quadrant number two

UF_DRF_QUADRANT_THREE
Positive quadrant number three

UF_DRF_QUADRANT_FOUR
Positive quadrant number four

UF_DRF_QUADRANT_FIVE
Positive quadrant number five

UF_DRF_radius_symbol_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_radius_symbol_t

Overview
UF_DRF_radius_symbol_t specifies the symbol type for a radial dimension symbol

Data Members

UF_DRF_RADIUS_USE_R = 1

UF_DRF_RADIUS_USE_RAD

UF_DRF_USER_DEFINED_RADIUS_SYMBOL

UF_DRF_RADIUS_USE_SR

UF_DRF_RADIUS_USE_CR

UF_DRF_reference_symbol_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_reference_symbol_type_t

Overview

Dimension reference display option

Data Members

UF_DRF_NO_REFERENCE_SYMBOL = 0

UF_DRF_WITH_REFERENCE_SYMBOL

UF_DRF_render_text_status_t (view source)

Defined in: uf_drf_types.h

Data Members

UF_DRF_RENDER_CANNOT_RENDER_SYMBOL = -2

UF_DRF_RENDER_CANNOT_RENDER_CHAR

UF_DRF_RENDER_OK

UF_DRF_RENDER_DRAWN

UF_DRF_RENDER_NOT_DRAWN

UF_DRF_retained_state_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_retained_state_t

Overview

UF_DRF_retained_state_t defines the states for retained annotations

Data Members

UF_DRF_KEEP_RETAINED_ANNOTATIONS

UF_DRF_DELETE_RETAINED_ANNOTATIONS

UF_DRF_section_line_arrowhead_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_section_line_arrowhead_t

Overview

UF_DRF_section_line_arrowhead_t specifies the type of arrowhead for section line display

Data Members

UF_DRF_SECTION_LINE_ARROWHEAD_OPEN = 1

UF_DRF_SECTION_LINE_ARROWHEAD_CLOSED

UF_DRF_SECTION_LINE_ARROWHEAD_FILLED

UF_DRF_section_line_display_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_section_line_display_t

Overview

UF_DRF_section_line_display_t specifies the type of section line display

Data Members

UF_DRF_NO_SECTION_LINE_DISPLAY

UF_DRF_ANSI_SECTION_LINE_DISPLAY

UF_DRF_ISO_SECTION_LINE_DISPLAY

UF_DRF_ISO128_SECTION_LINE_DISPLAY

UF_DRF_JIS_SECTION_LINE_DISPLAY

UF_DRF_GB_SECTION_LINE_DISPLAY

UF_DRF_stack_align_position_t (view source)

Defined in: uf_drf_types.h

Data Members

UF_DRF_STACK_ALIGN_ABOVE = 0

UF_DRF_STACK_ALIGN_BELOW

UF_DRF_STACK_ALIGN_LEFT

UF_DRF_STACK_ALIGN_RIGHT

UF_DRF_symbol_connection_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_symbol_connection_type_t

Overview
The following enumerated type describes the type of connections for a custom symbol

Data Members

UF_DRF_LEFT_LEADER_CONNECTION
Left leader symbol connection type

UF_DRF_RIGHT_LEADER_CONNECTION
Right leader symbol connection type

UF_DRF_text_above_leader_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_text_above_leader_t

Overview
Control display of text above the leader stub.
This option applies to Labels.
It also applies to radial type dimensions (radius, diameter, hole,
concentric circle, folded radius) when the Text Alignment is Horizontal
or By Angle. Currently, only options UF_DRF_NO_TEXT_ABOVE_LEADER and

UF_DRF_LEADER_BOTTOM_TEXT_MAX are valid for dimensions.
All options except the first display the text above the leader stub.
Options with 'BOTTOM' display the leader stub below the bottom line of text. Options with 'TOP' display the leader stub below the top line of text.
Options with 'UNDERLINE' will underline all other lines of text.
Options with 'MAX' will extend the stub and optional underlines to the maximum text length. For options without 'MAX' the stub and optional underlines will be extended to the length of the text line it is under.

Data Members

UF_DRF_NO_TEXT_ABOVE_LEADER

UF_DRF_LEADER_BOTTOM_TEXT_MAX

UF_DRF_LEADER_BOTTOM_TEXT_MAX_UNDERLINE

UF_DRF_LEADER_BOTTOM_TEXT

UF_DRF_LEADER_BOTTOM_TEXT_UNDERLINE

UF_DRF_LEADER_TOP_TEXT_MAX

UF_DRF_LEADER_TOP_TEXT_MAX_UNDERLINE

UF_DRF_LEADER_TOP_TEXT

UF_DRF_LEADER_TOP_TEXT_UNDERLINE

UF_DRF_text_arrow_placement_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_text_arrow_placement_t

Overview

UF_DRF_text_arrow_placement_t specifies the type of placement for the dimension: inferred or manual.

Data Members

UF_DRF_AUTO_PLACEMENT = 1

UF_DRF_PLACEMENT_MANUAL_ARROWS_IN

UF_DRF_PLACEMENT_MANUAL_ARROWS_OUT

UF_DRF_PLACEMENT_MANUAL_ARROWS_SAME_DIRECTION

UF_DRF_text_just_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_text_just_t

Overview
UF_DRF_text_just_t specifies the supported horizontal text justifcation options

Data Members

UF_DRF_TEXT_LEFT = 1

UF_DRF_TEXT_CENTER = 2

UF_DRF_TEXT_RIGHT = 3

UF_DRF_text_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_text_type_t

Overview
Possible value for text type

Data Members

UF_DRF_DIM_TEXT = 1

UF_DRF_DUAL_DIM_TEXT

UF_DRF_TOLERANCE_TEXT

UF_DRF_DUAL_TOLERANCE_TEXT

UF_DRF_RAD_DIA_TEXT

UF_DRF_TEXT_APP_AT_CREATION

UF_DRF_TEXT_APP_AT_EDITING

UF_DRF_tolerance_placement_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_tolerance_placement_t

Overview
UF_DRF_tolerance_location_t specifies the location of the tolerance value relative to the dimension text

Data Members

UF_DRF_TOLERANCE_BELOW_DIMENSION = 1

UF_DRF_TOLERANCE_AFTER_DIMENSION

UF_DRF_TOLERANCE_ABOVE_DIMENSION

UF_DRF_tolerance_type_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_tolerance_type_t

Overview
UF_DRF_tolerance_type_t specifies the tolerance type for a dimension

Data Members

UF_DRF_NO_TOLERANCE = 1

UF_DRF_LIMIT_ONE_LINE

UF_DRF_LIMIT_TWO_LINES

UF_DRF_BILATERAL_ONE_LINE

UF_DRF_BILATERAL_TWO_LINES

UF_DRF_UNILATERAL_ABOVE

UF_DRF_UNILATERAL_BELOW

UF_DRF_BASIC_TOL

UF_DRF_REFERENCE_TOL

UF_DRF_LIMIT_LARGER_FIRST

UF_DRF_LIMIT_LARGER_BELOW

UF_DRF_NOT_TO_SCALE_TOL

UF_DRF_DIAMETER_REFERENCE_TOL

UF_DRF_LIMIT_AND_FIT

UF_DRF_BASIC_DIM_NOT_TO_SCALE_TOL

UF_DRF_MAX_NUM_TOL

UF_DRF_trim_dim_line_style_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_trim_dim_line_style_t

Data Members

UF_DRF_DONT_TRIM_DIM_LINE = 0

UF_DRF_TRIM_DIM_LINE

UF_DRF_ud_symbol_pen_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_ud_symbol_pen_type_t

Overview

User Defined Symbol pen types

Data Members

UF_DRF_UD_SYMBOL_MOVE

move

UF_DRF_UD_SYMBOL_DRAW

draw

UF_DRF_uds_size_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_uds_size_type_t

Overview

The following enumerated type is used for setting the user defined symbols parameters on objects and determines whether the stored values should be interpreted as "length / height" or "scale / aspect ratio" parameters.

Data Members

UF_DRF_LENGTH_HEIGHT

UF_DRF_SCALE_ASPECT_RATIO

UF_DRF_valid_cline_form_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_valid_cline_form_t

Overview

Centerline forms

Data Members

UF_DRF_linear_cline = 1
Linear Centerline

UF_DRF_cpt_cline_fcir
Full Circular Centerline -
Center Point Method

UF_DRF_cpt_cline_pcir
Partial Circular Centerline -
Center Point Method

UF_DRF_cpt_cline_fbolt
Full Bolt Circle Centerline -
Center Point Method

UF_DRF_cpt_cline_pbolt
Partial Bolt Circle Centerline -
Center Point Method

UF_DRF_3pt_cline_fcir
Full Circular Centerline -
3 Point Method

UF_DRF_3pt_cline_pcir
Partial Circular Centerline -
3 Point Method

UF_DRF_3pt_cline_fbolt
Full Bolt Circle Centerline -
3 Point Method

UF_DRF_3pt_cline_pbolt
Partial Bolt Circle Centerline -
3 Point Method

UF_DRF_offcyl_cline_off
Offset Cylindrical Centerline -
Keyed-in Offset Distance

UF_DRF_offcyl_cline_obj
Offset Cylindrical Centerline -
Calculate Offset Distance from Object

UF_DRF_symmetrical_cline
Symmetrical Centerline

UF_DRF_offctrpt_nx
Offset Center Point, x-axis -
Distance from Arc Normal

UF_DRF_offctrpt_cx
Offset Center Point, x-axis -
Distance from Arc Center

UF_DRF_offctrpt_fx
Offset Center Point, x-axis -
Calculate (Find) Distance

UF_DRF_offctrpt_ny
Offset Center Point, y-axis -
Distance from Arc Normal

UF_DRF_offctrpt_cy
Offset Center Point, y-axis -
Distance from Arc Center

UF_DRF_offctrpt_fy
Offset Center Point, y-axis - Calculate (Find) Distance

UF_DRF_block_cline
Block Centerline

UF_DRF_valid_material_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_valid_material_t

Overview
Area Fill material types

Data Members

UF_DRF_corkfeltfiber = 1

UF_DRF_soundinsulation

UF_DRF_concrete

UF_DRF_earth

UF_DRF_rock

UF_DRF_sand

UF_DRF_liquids

UF_DRF_woodacrossgrain

UF_DRF_woodwithgrain

UF_DRF_vertical_text_just_e (view source)

Defined in: uf_drf_types.h

Also known as:
- UF_DRF_vertical_text_just_t

Overview

UF_DRF_vertical_text_just_t specifies the supported vertical justification options

Data Members

UF_DRF_TEXT_TOP = 1

UF_DRF_TEXT_MIDDLE = 2

UF_DRF_TEXT_BOTTOM = 3

UF_DRF_weld_contour_types_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_weld_contour_types_t

Overview

enum declaration for contour type of the weld

Data Members

UF_DRF_WELD_NONE = 0

No Contour specified

UF_DRF_WELD_CONVEX

Convex Contour

UF_DRF_WELD_FLUSH

Flush Contour

UF_DRF_WELD_CONCAVE

Concave Contour

UF_DRF_WELD_BLENDED_TOES

Blended Toes (applicable only for ISO and DIN)

UF_DRF_WELD_BACKING_PERM

Permanent Backing Strip (applicable only for ISO and DIN)

UF_DRF_WELD_BACKING_REMV

Removable Backing Strip (applicable only for ISO and DIN)

UF_DRF_weld_finish_types_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_weld_finish_types_t

Overview

enum declaration for type of finish for the weld

Data Members

UF_DRF_WELD_NO_FINISH = 0
No Finish Specified

UF_DRF_WELD_CHIP_FINISH
Chipping

UF_DRF_WELD_GRIND_FINISH
Grinding

UF_DRF_WELD_HAMMER_FINISH
Hammering

UF_DRF_WELD_MACHINE_FINISH
Machining

UF_DRF_WELD_ROLL_FINISH
Rolling

UF_DRF_WELD_PEEN_FINISH
Peening

UF_DRF_weld_ident_line_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_weld_ident_line_type_t

Overview

enum declaration for identification line response

Data Members

UF_DRF_WELD_SYM_NO_IDENT_LINE = 1
No Identification line (as in ANSI
and JIS

UF_DRF_WELD_SYM_IDENT_LINE_TOP
Identification line top

UF_DRF_WELD_SYM_IDENT_LINE_BOTTOM
Identification line bottom

UF_DRF_weld_size_code_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_weld_size_code_t

Overview

enum declaration for size code

Data Members

UF_DRF_WELD_NO_CODE = -1
no size code - applicable for
ANSI and JIS

UF_DRF_WELD_CODE_A
size code 'a'

UF_DRF_WELD_CODE_C
size code 'c'

UF_DRF_WELD_CODE_D
size code 'd'

UF_DRF_WELD_CODE_S
size code 's'

UF_DRF_WELD_CODE_Z
size code 'z'

UF_DRF_WELD_CODE_P
size code 'p'

UF_DRF_weld_sym_ext_type_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_weld_sym_ext_type_t

Overview

enum declaration for extension type

Data Members

UF_DRF_WELD_SYM_EXT_NONE = 0
No Extension

UF_DRF_WELD_SYM_EXT_DOG_LEG
Forked tail extension

UF_DRF_WELD_SYM_EXT_BOX
Closed tail extension

UF_DRF_weld_symbol_types_e (view source)

Defined in: uf_drf_types.h

Also known as:

- UF_DRF_weld_symbol_types_t

Overview

enum declarations for the weld symbol types

Data Members

UF_DRF_WELD_NO_SYMBOL = 0
No Symbol specified

UF_DRF_WELD_BUTT_WITH_RE_SYMBOL
Butt Weld with Raised Edges

UF_DRF_WELD_SQUARE_BUTT_SYMBOL
Groove Square Butt Symbol

UF_DRF_WELD_GROOVE_V_SYMBOL
V-Groove Symbol

UF_DRF_WELD_V_WITH_BRF_SYMBOL
V Groove with Broad Root Face

UF_DRF_WELD_BEVEL_SYMBOL
Bevel Groove Symbol

UF_DRF_WELD_BEVEL_WITH_BRF_SYMBOL
Bevel with Broad Root Face

UF_DRF_WELD_U_SYMBOL
U Groove Symbol

UF_DRF_WELD_J_SYMBOL
J Groove Symbol

UF_DRF_WELD_FLARE_V_SYMBOL
Flare V Groove Symbol

UF_DRF_WELD_FLARE_BEVEL_SYMBOL
Flare Bevel Groove Symbol

UF_DRF_WELD_FILLET_SYMBOL
Fillet Weld Symbol

UF_DRF_WELD_PLUG_SLOT_SYMBOL
Plug/Slot Weld Symbol

UF_DRF_WELD_EDGE_SYMBOL
Edge Weld Symbol

UF_DRF_WELD_SPOT_SYMBOL
Spot Weld Symbol

UF_DRF_WELD_SEAM_SYMBOL

Seam Weld Symbol

UF_DRF_WELD_STP_FLANK_V_SYMBOL
Steep Flanked V Butt Symbol

UF_DRF_WELD_STP_FLANK_BEVEL_SYMBOL
Steep Flanked Bevel Butt

UF_DRF_WELD_BACKING_SYMBOL
Backing Symbol

UF_DRF_WELD_STUD_SYMBOL
Stud Weld Symbol

UF_DRF_WELD_SURFACING_SYMBOL
Surfacing Symbol

UF_DRF_WELD_SURFACE_JOINT_SYMBOL
Surface Joint Symbol

UF_DRF_WELD_INCLINED_JOINT_SYMBOL
Inclined Joint Symbol

UF_DRF_WELD_FOLD_JOINT_SYMBOL
Fold Joint Symbol
