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PivotConstraint(Constraint)

base classes — [bpy_struct](#), [Constraint](#)

class bpy.types.PivotConstraint(Constraint)

Rotate around a different point

head_tail

Target along length of bone: Head is 0, Tail is 1

TYPE:

float in [0, 1], default 0.0

offset

Offset of pivot from target (when set), or from owner's location (when Fixed Position is off), or the absolute pivot point

TYPE:

[mathutils.Vector](#) of 3 items in [-inf, inf], default (0.0, 0.0, 0.0)

rotation_range

Rotation range on which pivoting should occur

- `ALWAYS_ACTIVE` Always – Use the pivot point in every rotation.
- `NX` -X Rotation – Use the pivot point in the negative rotation range around the X-axis.
- `NY` -Y Rotation – Use the pivot point in the negative rotation range around the Y-axis.
- `NZ` -Z Rotation – Use the pivot point in the negative rotation range around the Z-axis.
- `X` X Rotation – Use the pivot point in the positive rotation range around the X-axis.
- `Y` Y Rotation – Use the pivot point in the positive rotation range around the Y-axis.
- `Z` Z Rotation – Use the pivot point in the positive rotation range around the Z-axis.

TYPE:

enum in ['ALWAYS_ACTIVE', 'NX', 'NY', 'NZ', 'X', 'Y', 'Z'], default 'NX'

subtarget

TYPE:

string, default "", (never None)

target

Target Object, defining the position of the pivot when defined

TYPE:

[Object](#)

use_bbone_shape

Follow shape of B-Bone segments when calculating Head/Tail position

TYPE:

boolean, default False

use_relative_location

Offset will be an absolute point in space instead of relative to the target

TYPE:

boolean, default False

classmethod `bl_rna_get_subclass(id, default=None)`

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The RNA type or default when not found.

RETURN TYPE:

`bpy.types.Struct` subclass

classmethod `bl_rna_get_subclass_py(id, default=None)`

PARAMETERS:

id (*str*) – The RNA type identifier.

RETURNS:

The class or default when not found.

RETURN TYPE:

type

Inherited Properties

- `bpy_struct.id_data`
- `Constraint.name`
- `Constraint.type`
- `Constraint.is_override_data`
- `Constraint.owner_space`
- `Constraint.target_space`
- `Constraint.space_object`
- `Constraint.space_subtarget`
- `Constraint.mute`
- `Constraint.enabled`
- `Constraint.show_expanded`
- `Constraint.is_valid`
- `Constraint.active`
- `Constraint.influence`
- `Constraint.error_location`
- `Constraint.error_rotation`

Inherited Functions

- `bpy_struct.as_pointer`
- `bpy_struct.driver_add`
- `bpy_struct.driver_remove`
- `bpy_struct.get`
- `bpy_struct.id_properties_clear`
- `bpy_struct.id_properties_ensure`
- `bpy_struct.id_properties_ui`
- `bpy_struct.is_property_hidden`
- `bpy_struct.is_property_overridable_library`
- `bpy_struct.is_property_readonly`
- `bpy_struct.is_property_set`
- `bpy_struct.items`
- `bpy_struct.keyframe_delete`
- `bpy_struct.keyframe_insert`
- `bpy_struct.keys`
- `bpy_struct.path_from_id`
- `bpy_struct.path_resolve`
- `bpy_struct.pop`
- `bpy_struct.property_overridable_library_set`
- `bpy_struct.property_unset`
- `bpy_struct.type_recast`
- `bpy_struct.values`
- `Constraint.bl_rna_get_subclass`
- `Constraint.bl_rna_get_subclass_py`