## NAME

**dwarf_add_AT_signed_const**, **dwarf_add_AT_unsigned_const** - create and attach constant class attributes

## LIBRARY

DWARF Access Library (libdwarf, -ldwarf)

## SYNOPSIS

**#include <libdwarf.h>**

*Dwarf_P_Attribute*
**dwarf_add_AT_signed_const**(*Dwarf_P_Debug dbg*, *Dwarf_P_Die die*, *Dwarf_Half attr*,
  *Dwarf_Signed value*, *Dwarf_Error *err*);

*Dwarf_P_Attribute*
**dwarf_add_AT_unsigned_const**(*Dwarf_P_Debug dbg*, *Dwarf_P_Die die*, *Dwarf_Half attr*,
  *Dwarf_Unsigned value*, *Dwarf_Error *err*);

## DESCRIPTION

These functions create attribute descriptors belonging to the 'constant' class and attach them to the debugging information entry referenced by argument *die*.

Argument *dbg* should reference a DWARF producer instance allocated using dwarf_producer_init(3) or dwarf_producer_init_b(3).

Argument *die* should reference a debugging information entry allocated using dwarf_new_die(3).

Argument *attr* specifies the attribute code of the created attribute descriptor.

Function **dwarf_add_AT_signed_const**() creates an attribute descriptor with the signed value specified in argument *value*.

Function **dwarf_add_AT_unsigned_const**() creates an attribute descriptor with the unsigned value specified in argument *value*.

The attribute created by these function will have one of the DWARF forms DW_FORM_data1, DW_FORM_data2, DW_FORM_data4 or DW_FORM_data8, depending on the size of the value specified in argument *value*.

If argument *err* is not NULL, it will be used by these functions to store error information in case of an

error.

**RETURN VALUES**

On success, these functions return the created attribute descriptor.  In case of an error, these functions return DW_DLV_BADADDR and set the argument *err*.

**ERRORS**

These functions can fail with:

[DW_DLE_ARGUMENT]    Either of the arguments *dbg* or *die* was NULL.

[DW_DLE_MEMORY]        An out of memory condition was encountered during execution.

**SEE ALSO**

dwarf(3), dwarf_add_AT_const_value_signedint(3), dwarf_add_AT_const_value_unsignedint(3), dwarf_add_AT_dataref(3), dwarf_add_AT_ref_address(3), dwarf_add_AT_targ_address_b(3), dwarf_new_die(3), dwarf_producer_init(3), dwarf_producer_init_b(3)