

**NAME**

**dwarf\_add\_AT\_const\_value\_signedint**, **dwarf\_add\_AT\_const\_value\_string**,  
**dwarf\_add\_AT\_const\_value\_unsignedint** - create and attach a DW\_AT\_const\_value attribute

**LIBRARY**

DWARF Access Library (libdwarf, -ldwarf)

**SYNOPSIS**

```
#include <libdwarf.h>
```

*Dwarf\_P\_Attribute*

```
dwarf_add_AT_const_value_signedint(Dwarf_P_Die die, Dwarf_Signed value, Dwarf_Error *err);
```

*Dwarf\_P\_Attribute*

```
dwarf_add_AT_const_value_string(Dwarf_P_Die die, char *str, Dwarf_Error *err);
```

*Dwarf\_P\_Attribute*

```
dwarf_add_AT_const_value_unsignedint(Dwarf_P_Die die, Dwarf_Unsigned value, Dwarf_Error *err);
```

**DESCRIPTION**

These functions create a DW\_AT\_const\_value attribute descriptor and attach it to the debugging information entry referenced by argument *die*.

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

Function **dwarf\_add\_AT\_const\_value\_signedint()** creates a DW\_AT\_const\_value attribute descriptor containing the signed value specified by argument *value*. The created attribute descriptor will have DWARF form DW\_FORM\_sdata.

Function **dwarf\_add\_AT\_const\_value\_unsignedint()** creates a DW\_AT\_const\_value attribute descriptor containing the unsigned value specified by argument *value*. The created attribute descriptor will have DWARF form DW\_FORM\_adata.

Function **dwarf\_add\_AT\_const\_value\_string()** creates a DW\_AT\_const\_value attribute descriptor containing the string pointed to by the NUL-terminated argument *str*. The created attribute descriptor will have DWARF form DW\_FORM\_strp.

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 *die* or *str* was `NULL`.

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

**SEE ALSO**

`dwarf(3)`, `dwarf_add_AT_name(3)`, `dwarf_add_AT_signed_const(3)`, `dwarf_add_AT_string(3)`,  
`dwarf_add_AT_unsigned_const(3)`, `dwarf_new_die(3)`