

## B60D

### VEHICLE CONNECTIONS (components of brake systems B60T17/04)

#### Definition statement

*This subclass/group covers:*

Types of hitches/devices which are not covered by this subclass include:

- Carriers for bikes or other load which are connected to hitches.
- Hitches which are used not between vehicles e.g. Between bikes.
- No 5th-wheel couplings.
- Electrical / hydraulic / pneumatic connections as long as the hitch / part of the hitch is concerned, as e.g. Fixation to the hitch, sensor on the hitch, etc.

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Attention is drawn to the following places, which may be of interest for search:

|   |                      |
|---|----------------------|
| Agricultural machines like tractors, plows, etc.                        | <a href="#">A01B</a> |
| Lighting, signalling;   | <a href="#">B60Q</a> |
| Vehicles, vehicle fittings or vehicle parts not otherwise provided for; | <a href="#">B60R</a> |
| Supporting, lifting, or manoeuvring of vehicles                         | <a href="#">B60S</a> |
| Brake arrangements, brake control systems or parts thereof;             | <a href="#">B60T</a> |
| Carts (with hitches)  | <a href="#">B62B</a> |
| K - motor-cycles, accessories therefor;                                 | <a href="#">B62J</a> |
| Testing of vehicles.  | <a href="#">G01M</a> |

## B60D 1/00

**Traction couplings; Hitches; Draw-gear; Towing devices (devices specially adapted for connection between tractors and agricultural machines or implements A01B59/00 ; fifth-wheel couplings B62D)**

### Definition statement

*This subclass/group covers:*

All kinds of couplings between vehicles, but not between bikes, motorbikes. If a connection is solely claimed for connecting multiple bikes or motorbikes or connecting trailers solely to bikes or motorbikes then the connection should indeed not be classified in [B60D](#) but in the respective classes for bikes or motorbikes like e.g. [B62K27](#). For classifying such a document it should then be referred to that field only.

However, in practise most of the connections are NOT explicitly claimed for bikes or motorbikes which then makes the documents relevant to be classified in [B60D](#).

### References relevant to classification in this group

*This subclass/group does not cover:*

|   |                            |
|---|----------------------------|
| Devices specially adapted for connection between tractors and agricultural machines | <a href="#">A01B 59/00</a> |
| External carriers for bikes   | <a href="#">B60R 9/10</a>  |
| Carts   | <a href="#">B62B</a>       |

## B60D 1/01

**Traction couplings or hitches characterised by their type**

### Definition statement

*This subclass/group covers:*

Traction couplings or hitches according to their type, e.g. ball-and-socket hitches, bolt-type couplings etc.

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Attention is drawn to the following places, which may be of interest for search:

|                     |                            |
|---------------------|----------------------------|
| 5th wheel couplings | <a href="#">B62D 53/08</a> |
|---------------------|----------------------------|

## **B60D 1/14**

### **Draw-gear or towing devices characterised by their type**

#### **Definition statement**

*This subclass/group covers:*

Gears according to their type, e.g. V shaped draw gears or draw gears which consist of a single longitudinal bar.

## **B60D 1/24**

### **characterised by arrangements for particular functions**

#### **Definition statement**

*This subclass/group covers:*

Rather than for the features of the devices they are classified according to their function into the main or different sub-groups like remote control of release function, preventing unwanted disengagements etc.

## **B60D 1/48**

### **characterised by the mounting**

#### **Definition statement**

*This subclass/group covers:*

Mountings or supports for hitches on the towing vehicle body. Opposite to this, class [B60D 1/143](#) concerns also features related to mounting but specifically only draw gears fixed to the towed vehicle. [B60D 1/48](#) is intended to further specify the kind of fixation of the vehicle hitch/draw gear to the towing vehicle body.

## **B60D 1/58**

### **Auxiliary devices**

#### **Definition statement**

*This subclass/group covers:*

- Load, weight, angle, force, torque measuring or sensing devices
- Length of drawbar or position measuring devices.
- Coupling monitoring systems such as alarm systems (theft prevention)
- Brake system for hitches.
- Safety devices.
- Auxilliary accessories on hitches (such as steps).

## Informative references

Attention is drawn to the following places, which may be of interest for search:

|  |                            |
|--|----------------------------|
| Electric or fluid circuits specially adapted for vehicles and not otherwise provided for   | <a href="#">B60R 16/00</a> |
| Vehicle brake control systems or parts thereof   | <a href="#">B60T</a>       |
| Ground-engaging vehicle fittings for supporting, lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks   | <a href="#">B66S 9/00</a>  |
| Arrangements for measuring electric power or power factor  | <a href="#">G01R 21/00</a> |
| Radio direction-finding; radio navigation; determining distance or velocity by use of radio waves; locating or presence-detecting by use of the reflection or reradiation of radio waves; analogous arrangements using other waves | <a href="#">G01S</a>       |
| Line connectors; current collectors  | <a href="#">H01R</a>       |

## **B60D 3/00**

**Fittings to facilitate pushing (B60D1/00 takes precedence; vehicle bumpers B60R19/02; steering arrangements for backing a normally-drawn trailer B62D13/06 )**

### Definition statement

*This subclass/group covers:*  
Couplings for facilitating pushing

## B60D 5/00

### Gangways for coupled vehicles, e.g. of concertina type

### Definition statement

*This subclass/group covers:*  
Bellow or concertina type gangway between coupled vehicles, such as between two wagons, as e.g. rotatable platforms.

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

|  |                             |
|--|-----------------------------|
| Communication passages between coaches, e.g. platforms; Adaptation of coach ends therefor        | <a href="#">B61D 17/20</a>  |
| Flexible Communication passages between coaches, e.g. bellows; Adaptation of coach ends therefor | <a href="#">B61D 17/22</a>  |
| Articulated buses with interconnecting passageway, e.g. bellows                                  | <a href="#">B62D 47/025</a> |

## B60D 7/00

### Other connections

### Definition statement

*This subclass/group covers:*  
Connections not otherwise provided for like temporary vehicle connections which can be connected or unconnected while driving.