

1. Choice of search engine

After having logged in you reach the summary of the different search engines. You have six alternatives to choose:

- Tests with two or more (deformable) objects [non-EES]
- Impact with a not deformable object (barrier/ tree) [EES]
- Special tests
- Direct input of test number
- New tests




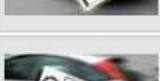
	Test with two or more (deformable) objects [non EES]
	Impact into a non deformable barrier [EES]
	Find object
	Special tests
	Enter a test number <input type="text"/> <input type="button" value="Search"/>
	New tests since ... <input type="radio"/> 1 <input type="text"/> day <input type="radio"/> 1 <input type="text"/> day 1 <input type="text"/> month 2010 <input type="text"/> year <input type="button" value="Search"/>

Figure. 1: Choice of search engine

Choose between **non-EES**, **EES** and **special tests** and you will be passed on to the page with the Information about your test criteria (see article 3).

The **direct input of test number**, the search for **new tests** and the search for **tests with vehicles from a certain producer or of a certain type** take place on the current page. In this case, you directly reach the list of the corresponding tests after entering the desired parameter (see article 3).

2. Details about the test criteria

a) Tests with two or more (deformable) objects [non-EES]

Find the right tests for you, on the page of the details of test parameters, via test criteria. Eight types of criteria can be given for both test objects:

- **Type of object:** Available are two-lane vehicles (car, truck, trailer, etc.), two-wheeled vehicles (bikes, motorcycles, etc.), dummies and other objects. Depending on the choice there can be more options. It is new that you define the objects alternately. First, you determine the type of the first object. To this option we offer you the available object types of the second object. The specification of the objects will be done the same way

- **Impact zone:** The front, rear, side and bottom can be chosen as impact zone.
- **Angle of collision:** The angle of collision is named referring to the longitudinal axis of the vehicle.
- **Covering:** The covering of both test objects can be specified in percent of the covered face.
- **Height of impact:** The impact of the test vehicles can either happen *under riding*, *overrunning* or *bumper-bumper*. The first object is the base for the definition of the height of impact.
- **Speed of collision:** The speed for both test objects at the moment of the collision can be specified in intervals.
- **Further selection parameters:** In this choice you can give further restrictions, for example that only tests are shown for which the delta-v values are entered.
- **Object- criteria:** The test objects can be defined better by the criteria. The choice of producer, type and form is available.

Search Engine - non EES
Hit: 9




bullet object	target object
	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Passenger car	<input checked="" type="checkbox"/> Agricultural vehicle <input type="checkbox"/> Bus <input type="checkbox"/> Passenger car <input type="checkbox"/> Trailer
	<input type="checkbox"/> Transporter <input type="checkbox"/> Truck
Zone of impact	Zone of impact
<input checked="" type="checkbox"/> front	
RESET	RESET ALL
Angle of impact (concerning to the longitudinal axis of the vehicles)	
Overlap [%]	
Height of impact	
Collision speed [km/h]	Collision speed [km/h]
further selection parameters	further selection parameters
criteria - bullet object	criteria - target object
sorted by <input type="text" value="Collision speed bullet object"/>	
<input checked="" type="radio"/> ascending <input type="radio"/> descending	
<input type="button" value="Search"/>	

Figure. 2: View of parameters in the non-EES search engine

NEW: Dynamic information about the available parameter

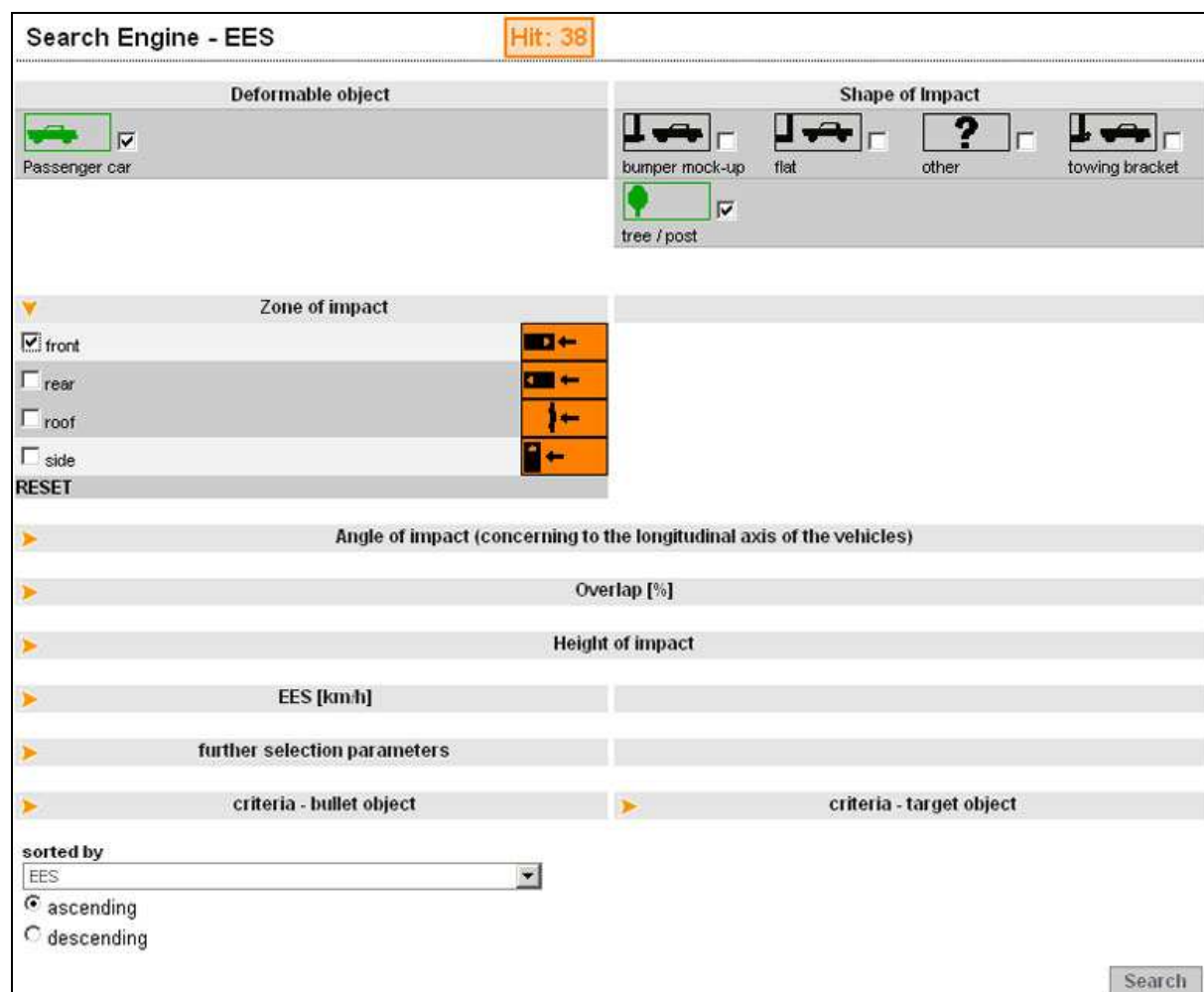
The new CTS-search engine adapts the parameters dynamically. Only the characteristics of the parameter which corresponds to an existing test are shown. This avoids that you create a combination of parameters which do not have corresponding tests in the CTS-data base.

Example: Choose, like in image 2, for the pushing object *car* and for the pushed object *agricultural vehicle*, so there is just the option *front* for the impact of the first object available.

The number of the available tests according to the parameters you chose are shown at the upper margin of the page as *hit*. The number of found tests can be influenced by adding or leaving out parameters. Afterwards, you have to click *evaluation* to show the tests.

b) Impact with a not deformable object (barrier/ tree) [EES]

Choose at first the deformable object in the EES-search engine. Afterwards, the available impact forms (tree, plan, bumper model, etc.) will be offered.



The screenshot shows the 'Search Engine - EES' interface with a 'Hit: 38' indicator. The interface is divided into several sections:

- Deformable object:** A dropdown menu with 'Passenger car' selected and a checkmark.
- Shape of Impact:** Four options: 'bumper mock-up', 'flat', 'other', and 'towing bracket'. Below this, 'tree / post' is selected with a checkmark.
- Zone of impact:** A list of options: 'front' (checked), 'rear', 'roof', and 'side'. To the right are four orange buttons with arrows pointing left.
- RESET:** A button below the zone of impact options.
- Angle of impact (concerning to the longitudinal axis of the vehicles):** A dropdown menu.
- Overlap [%]:** A dropdown menu.
- Height of impact:** A dropdown menu.
- EES [km/h]:** A dropdown menu.
- further selection parameters:** A dropdown menu.
- criteria - bullet object:** A dropdown menu.
- criteria - target object:** A dropdown menu.
- sorted by:** A dropdown menu with 'EES' selected.
- ascending / descending:** Radio buttons, with 'ascending' selected.
- Search:** A button at the bottom right.

Figure. 3: View of parameters in the EES search engine

The choice of the remaining test parameters is analogue to the non-EES-search. The impact zone, the angle of collision, the covering, the EES-value or further criteria are cut out or displayed, depending on the details you already gave, so you just can choose combinations with a corresponding test in our data base. The hits at the upper margin of the page show the number of test of your current choice.

c) Special tests

Beside EES- and non-EES-tests CTS-data base offers a lot of special tests. These are categorized in six different topics:

- Special topics
- Special impact with
- Passenger
- Noticeability
- General liability damages
- Other







 <p>Special subjects</p> <input type="text"/> <input type="button" value="Search"/>	 <p>Miscellaneous impact</p> <input type="text"/> <input type="button" value="Search"/>
 <p>Occupant</p> <input type="text"/> <input type="button" value="Search"/>	 <p>Perception</p> <input type="button" value="Search"/>
 <p>General liability claims</p> <input type="text"/> <input type="button" value="Search"/>	 <p>Miscellaneous</p> <input type="button" value="Search"/>

Figure. 4: Options for special tests

You have the possibility to refine your choice of tests for special topics, further impacts and liability damages by using a Drop-Down-Menu.

3. List of results

The tests that correspond to the search parameters you entered are listed tabular on the Page of results.





Overview	
Your Choice	
Collision speed	1-10 10-20 20-30
Limit search	
Result page 1 of 1 (hit: 4)	
	<p>FIAT Panda / DET-MELTHAM David Brown 13248</p> <p>Online since: 29/10/2004 Angle of impact: / Overlap: 90° / % Collision speed: 9.6 km/h / 0.0 km/h Specific features: no information about delta v DET-MELTHAM</p>
	<p>OPEL Kadett E / DET-MELTHAM David Brown 13193</p> <p>Online since: 28/09/2004 Angle of impact: / Overlap: 0° / 75 % Collision speed: 13.9 km/h / 0.0 km/h Specific features:</p>
	<p>FIAT Panda / DET-MELTHAM David Brown 13249</p> <p>Online since: 29/10/2004 Angle of impact: / Overlap: 90° / % Collision speed: 17.0 km/h / 0.0 km/h Specific features: v within a margin FIAT</p>
	<p>OPEL Kadett E / DET-MELTHAM David Brown 13192</p> <p>Online since: 28/09/2004 Angle of impact: / Overlap: 0° / 75 % Collision speed: 24.1 km/h / 0.0 km/h Specific features:</p>

Figure. 5: List of search results

For every test two preview pictures are shown in addition to the details of the test objects and information about the collision.

You see two pictures from the impact configuration of the test for non-EES-tests. The preview pictures of EES-tests contain views of the damages of the test vehicle. To reach the detail view, please click on the orange link.

4. Choice and ordering of the test



Depending on the access (basic- or professional access) the detail view will be shown in two or six preview pictures. Additionally you will receive further information for example speed, impact zone and brake condition of the test objects.

If the test measures up to your expectations you can compile the documentation of the test afterwards. Depending on the test, you have the possibility to choose further packages beside the basic package, which contain for example videos, data sheets and the measurement drawing. You can add the packages to your choice by clicking on them.

After having compiled the documentation you can put the whole package in the basket of goods.

Details

Testnumber: 13248 back

	FIAT Panda	DET-MELTHAM David Brown
Total weight:	676.0 kg	2653.0 kg
Zone of impact	front	side
Vlongitudinal:	9.6 km/h	0.0 km/h
Vlateral:	0.0 km/h	0.0 km/h
Vvert:	-	-
Vres:	9.6 km/h	0.0 km/h
Brake Condition	unbraked	brake applied
Model year:		1981
Immatriculation month/year:	1988	02 / 1981
Trailer coupling:	no	yes
Source of measurement:	UDS	UDS
Position of measurement:	in front of Passenger seat	next to Driver seat

Date of test: 27.10.2004
 Source: crashtest-service.com GmbH
 Angle of impact: Angle of impact: 90°
 Specific feature: no information about delta v DET-MELTHAM

Basic bundle (download per FTP or HTTP, optional sending CD-ROM) <input checked="" type="checkbox"/>	
001-Overview	<input type="checkbox"/> Photos/Measurement data
004-Impact configuration	<input type="checkbox"/> Photos

Figure. 6: Details of a test

After having finished the order, the documentation will be available to download in your FTP- account. Videos will be sent as video-CD if necessary.