

highest safety – reliable breakthrough prevention

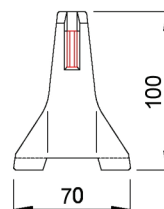
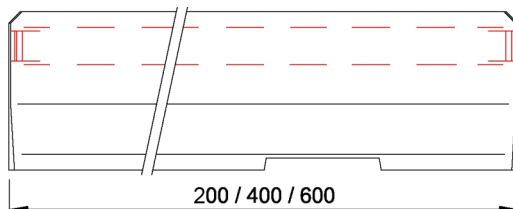


The restraint system DB 100 is primarily used for motorway safeguarding. The highest containment level H4b has been achieved according to EN 1317.

Main features:

- ▶ highest containment level
- ▶ easiest installation
- ▶ glare protection for oncoming traffic
- ▶ low maintenance costs, even after impacts

The DB 100 is an up-to-date vehicle restraint system with the established New Jersey Profile which even resists a crash with a fully loaded lorry.



Technical specifications

concrete quality	resistant to frost and de-icing salt (depending on national requirements)
coupling	patented steel coupling, hot-dip galvanised
tension bar	patented steel tension bar, hot-dip galvanised
special lengths	2m, 4m
accessories	butt joint inserts, approved reflectors, sign posts, prep. parts for noise barrier walls and blinds
curve radii	2m elements: $r \geq 73m^*$ 4m elements: $r \geq 146m^*$ 6m elements: $r \geq 219m^*$ <small>* smaller radii are possible, please see section <i>Curves</i> in the <i>Implementation Guide</i></small>
misc.	elastomer butt joint inserts reduce deflection in case of an impact

Test results according to EN 1317-2

type	DB 100	DB 100	DB 100	DB 100	DB 100
element length	6m	6m	4m	4m	2m
containment level	H4b	H4a	H4b	H2	H4b
ASI	B	B	B	B	B
coupling	K280	K280	K340	K250	K280
installation method					
system width	70cm	70cm	70cm	70cm	70cm
system height	100cm	100cm	100cm	100cm	100cm
working width	W6	W7	W7	W6	W8
max. deflection	110cm	150cm	165cm	110cm	2,30cm
tested system length	90m	90m	92m	56m	80m (without terminal elements)
terminal anchoring	yes	yes	yes	yes	yes
element anchoring	no	no	no	no	no
tested positive	yes	yes	yes	yes	yes

Key facts

	coupling	weight	l / w / h
standard DB 100 / 6m	K280	5050kg	600 / 70 / 100cm
standard DB 100 / 4m	K340	3510kg	400 / 70 / 100cm
standard DB 100 / 4m	K250	3555kg	400 / 70 / 100cm
standard DB 100 / 2m	K250	1760kg	200 / 70 / 100cm
terminal DB 100 1-piece / 4m	K250	2460kg	400 / 70 / 100cm
terminal DB 100 2-piece / 8m	K280	terminal DB 80 + transition DB 80 / DB 100	
transition DB 80 / DB 100	K180	2950kg	400 / 70 / 100cm
transition DB 100 / DB 120	K250	4300kg	400 / 80 / 120cm
transition DB 100 / steel	K280	3300kg	400 / 70 / 100cm
bifurcation DB 100	K280	5450kg	400 / 110 / 100cm
bifurcation connector DB 100 AS	K280	3330kg	400 / 55 / 100cm