

AutoStem Generation 3 Technical Data Sheet

**Technical Characteristics**

Density	1.11 g/cc
Heat capacity ratio	1,24
Speed of deflagration	< speed of sound
Typical peak pressure	400-500 MPa
Specific energy	c. 5121 joules/g
Vibration (PPV)	< 2mm/s at 6 meters
Water resistance	Good

**Product Information**

Charge	3g - 1700g
Diameter	9mm – 87mm
Required borehole diameter	10mm - 94mm
Quantity per case	8 – 150 units
Max gross mass per case	22 kg
Box dimensions	520 x 375 x 285 mm

**Electrical Requirement for Initiation**

Igniter resistance	1.020 – 1.075
Safety impulse	8 mJ. <sup>-1</sup>
Initiation impulse	16 mJ. <sup>-1</sup>
Safe electrical current	0,45 A
Activating electrical current	2,12 A
Product wire length	3 meters

**Description**

AutoStem boosters are deflagration gas generators. Causing no shockwave, they are effective in safe rock breaking of reinforced steel concrete and or/rock. AutoStem boosters are effectively used in mining and civil work.

**Recommendation for storage**

Shelf life of 18 months from date of manufacture. Not to be stacked more than 1.9m high in a magazine and not more than 5 boxes high during transportation. For additional storage and handling information please see MSDS. Maximum storage temperature 29° C.

**Additional information**

Packing information	3g	6g	9g	20g	30g	40g	60g	100g	180g	300g	200g	350g	550g	500g	700g	1000g	1700g
Diameter	9mm	9mm	9mm	17mm	17mm	17mm	35mm	35mm	35mm	35mm	43mm	43mm	43mm	60mm	60mm	87mm	87mm
Maximum drill bit	10mm	10mm	10mm	20mm	20mm	20mm	40mm	40mm	40mm	40mm	50mm	50mm	50mm	67mm	67mm	94mm	94mm
Cartridge length	90mm	160mm	225mm	140mm	220mm	300mm	184mm	184mm	271mm	446mm	176mm	300mm	465mm	264mm	340mm	405mm	405mm
Units Per box	150	150	150	100	100	100	90	70	70	50	50	35	30	20	20	8	8

