

SPC223/300 SA

DATA SHEET



B&T AG
3608 Thun • Switzerland
Tel +41 33 334 67 00
info@bt-ag.ch
www.bt-ag.ch

1. Technical specifications

1.1 Overview - SPC223/300



1.2 General description

The SPC223/300 is a self-loading rifle in .223 Rem. / .300 Blk. caliber.

The rifle is a gas operated rifle with a short-stroke gas piston system: the gas port near the muzzle directs the propellant gases behind the projectile via gas piston onto the bolt carrier and sets it in a recoiling motion. After the projectile has left the barrel, the recoiling bolt carrier unlocks the bolt head by means of a rotary movement. In the common recoil of the bolt head and carrier, the empty case is extracted and ejected, the hammer is cocked and the recoil spring compressed. At the end of the return stroke, a recoil buffer slows down the movement of the carrier and then the recoil spring accelerates it forward again. In the common forward stroke, the bolt head and carrier take a new cartridge from the magazine and feed it into the chamber. At the end of such a cycle, the gun is locked, loaded and cocked.

All operating elements such as the bolt catch, magazine catch, fire selector and charging handle are designed to be operated from both sides. The charging handle is not reciprocating.

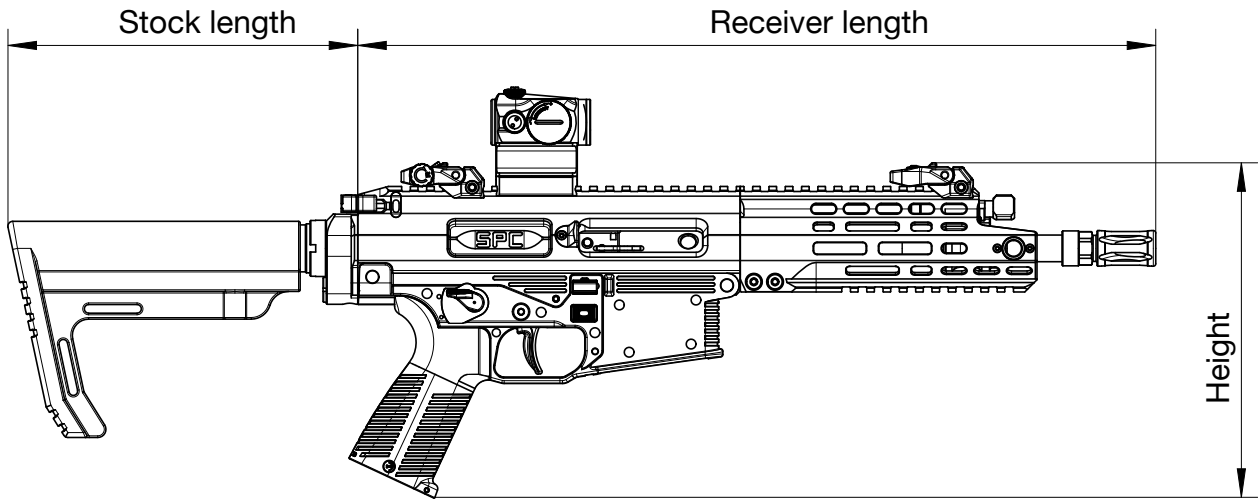
1.3 General technical data

Designation	SPC SA
Manufacturer	B&T AG - Switzerland
Operating system	Short stroke gas piston
Sights	Integrated mechanical sight (NAR)
Bore height	80 mm / 3.14 in
Rail height	45.7 mm / 1.79 in
Interfaces	4 NATO accessory rails
Scope of delivery	Weapon with magazines, carrying sling, cleaning kit, case

Stock options	Stock length		Width [mm]	Weight [g]
	extracted [mm]	retracted [mm]		
Retractable stock* (Standard)	298	215	42	865
Telescopic stock	247	164	57	978

*Extracted to the maximum, intermediate positions existent.

Technical data are provided for information only and shall not serve as acceptance criteria.



The total length is calculated using the length of the upper receiver and the stock.

1.3.1 Technical data - SPC223 SA

Designation	SPC223 SA
Caliber	.223 Remington
Magazine capacity	30 rounds
Rifling	6 grooves, right hand twist
Barrel twist	178mm (1:7)

Type		«Barrel 222 mm»	Standard «Barrel 308 mm»	«Barrel 420 mm»	«Barrel 477 mm»
Barrel length	[mm]	222 (8.7")	308 (12.1")	420 (16.5")	477 (18.7")
Length standard	[mm]	708	680	766	878
Length receiver	[mm]	422	487	573	685
Width	[mm]	68	53	53	53
Height*	[mm]	207	211	211	211
Weight	[kg]	3.2	3.4	3.6	3.7

* Without magazine, flip-up sights folded.

1.3.2 Technical data - SPC300 SA

Designation	SPC300 SA
Caliber	.300 Blackout
Magazine capacity	30 rounds
Rifling	4 grooves, right hand twist
Barrel twist	203mm (1:8)

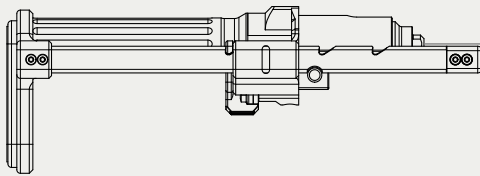
Barrel length	[mm]	222 (8.7")
Length standard	[mm]	708
Length receiver	[mm]	422
Width	[mm]	68
Height*	[mm]	207
Weight	[kg]	3.2

* Without magazine, flip-up sights folded.

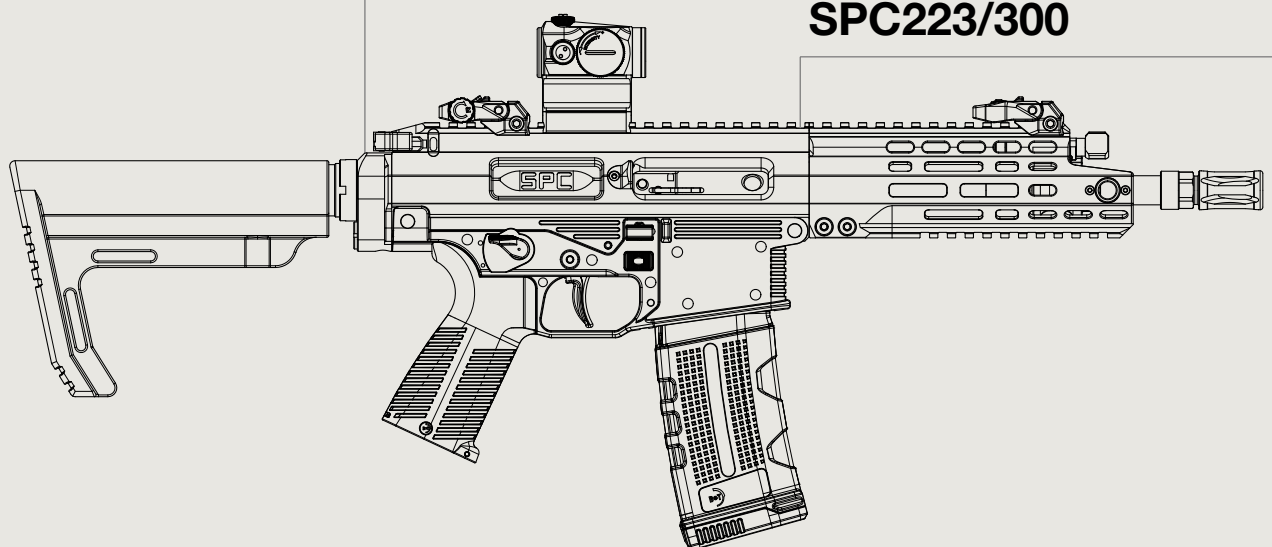
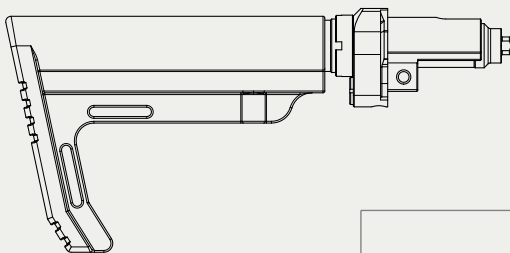
1.4 Variant overview

STOCK

Telescopic stock

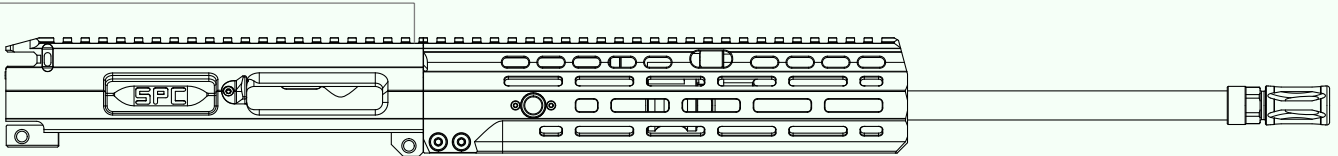


Retractable stock (standard)

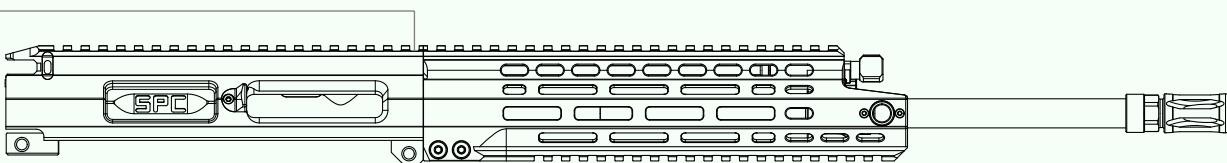


UPPER RECEIVER

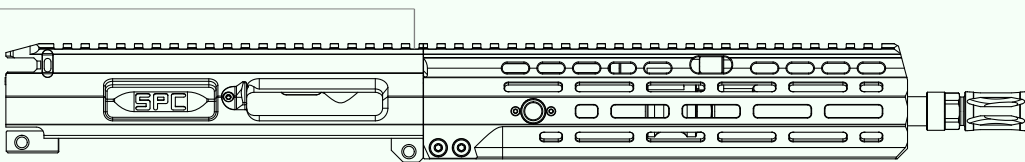
Barrel length 477 mm



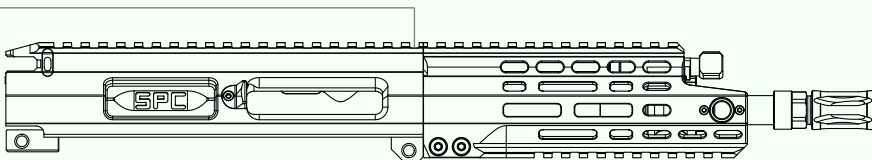
Barrel length 420 mm



Barrel length 308 mm (standard)



Barrel length 222 mm




2. Accessories

2.1 Suppressors

Picture	Art.-No.	Type	Description
	SD-140766-TI	SPC223	Suppressor PRINT-X UM NATO
	SD-140369	SPC223	Suppressor PRINT-X RBS QDM Compact


2.2 Stocks

Picture	Art.-No.	Description
	BT-500117	Retractable Stock (Standard)
	BT-200634	Telescopic Stock PDW

2.3 Magazines

Picture	Art.-No.	Type	Description
	MA-MAG556-BLK MA-MAG559-BLK	SPC223	Magazine 30 rounds Magazine 10 rounds
	BT-361173	SPC300	Magazine 30 rounds
	MA-MAG292-BLK BT-36846 MA-MAG290-BLK	APC308	Magazine 25 rounds Magazine 20 rounds Magazine 10 rounds
	MA-MAG595	SPC223	Magazine clamp


2.4 Flashlights

Picture	Art.-No.	Description
	BT-WML-B-W-L-GEN3	B&T Weapon Mounted Light GEN-3

2.5 Grips

Picture	Art.-No.	Description
	BT-231227-BK	Angled fore grip 45° picatinny rail attachment
	BT-211564-BL	Unigrip QD short
	BT-21840	Unigrip QD

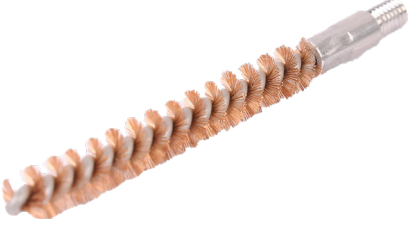


2.6 Brass catcher

Picture	Art.-No.	Description
	BT-220608	Brasscatcher

2.7 Sights

Picture	Art.-No.	Description
	AP-11830-BT-QD	Aimpoint® sight Micro T-1 black - NVD compatible, 4 MOA, ACET technology - with B&T QD NAR mount
	AP-200709	Aimpoint® sight Micro T-1 black - NVD compatible, 2 MOA, ACET technology - with 39 mm spacer mounted (bulk packed)

2.8 Maintenance

Picture	Art.-No.	Type	Description
	SC-64B_5.56 SC-64B_7.62	SPC223/300	Copper brush 9 mm
	SC-64M_5.56 SC-64M_7.62	SPC223/300	Chamber brush (bronze steel)
	SC-AR15_5.56_8-32 SC-TR/M_7.62_8-32	SPC223	Cleaning kit

All rights reserved. Data is provided for the purpose of product description only, and must not be construed as warranted characteristics in the legal sense. The information does not relieve users from the duty of conducting their own evaluations and tests. Because the products are subject to continual improvement, we reserve the right to amend the product specifications contained in this data sheet.