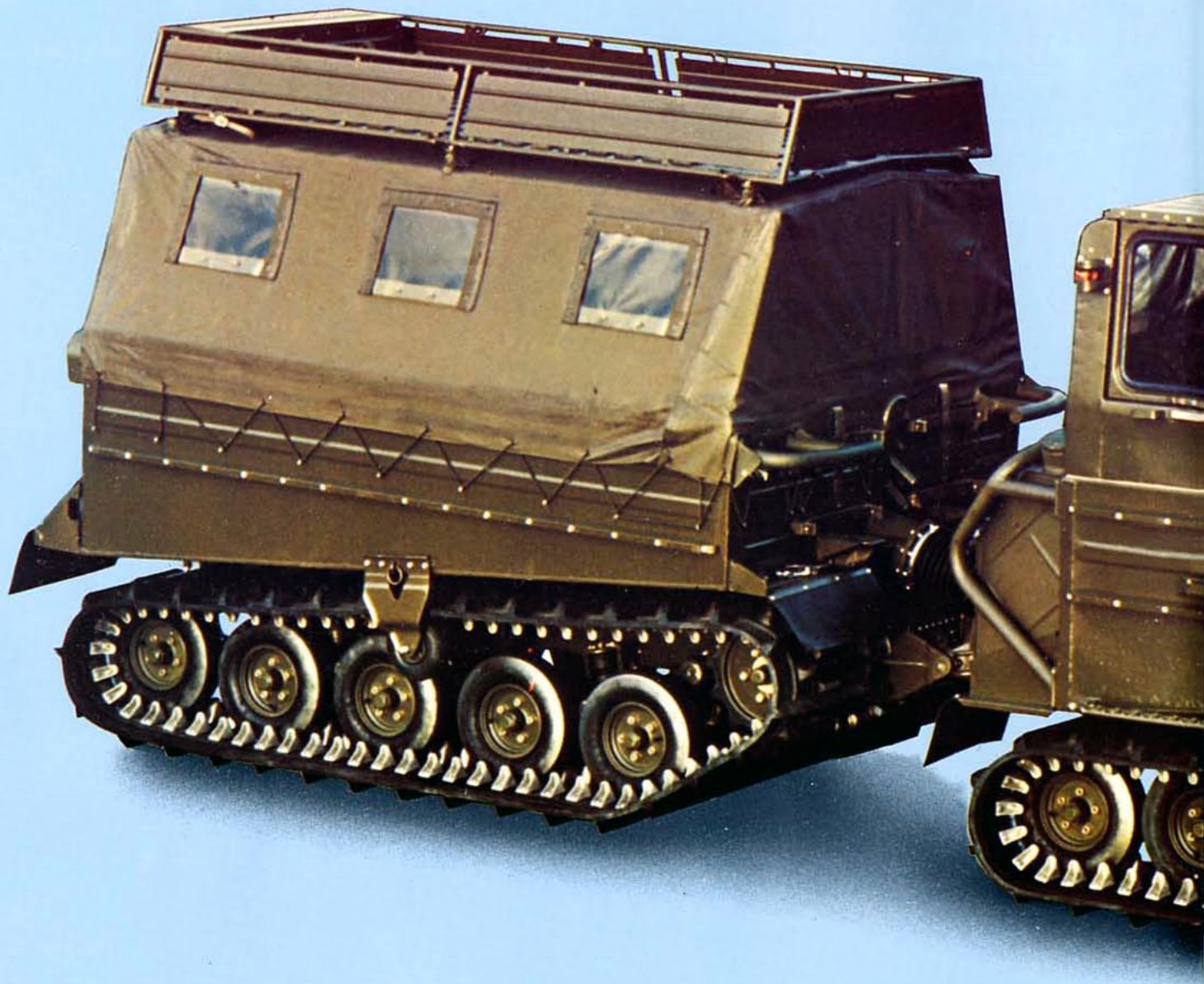


**VOLVO BM
202**



Volvo BM 202 Mk II for advanced

Volvo BM was building and developing tracked vehicles in collaboration with the Swedish Armed Forces as far back as 1960. Versatile vehicles which can negotiate the most impossible types of terrain and even travel over water. Today, thousands are in use in different parts of the world, primarily in military contexts. The 202 Mk II Tracked Vehicle has been further refined to meet high demands and has proved itself to be functional and reliable. Due to its low weight and full-track drive, the Volvo BM 202 has a very low ground pressure. It therefore has a unique ability to negotiate snow, bottomless swamps, water and soft desert sand.

The Volvo BM 202 is made up of two sections connected together by means of a steering link. The front section contains the powerful Volvo engine and gearboxes, as well as the driver and passenger cab with car comfort. The rear section is used for transporting up to 10 men or for carrying materials.

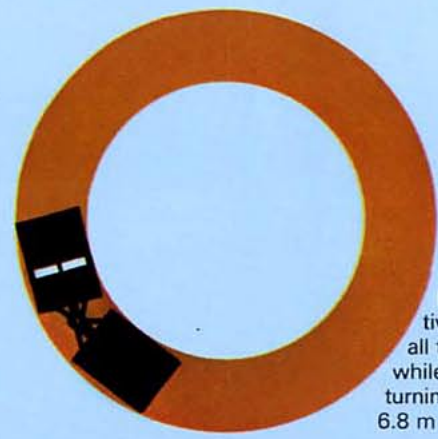
For greater efficiency – let the Volvo BM 202 take care of the tough transport assignments.

TRACKEE VENTURE

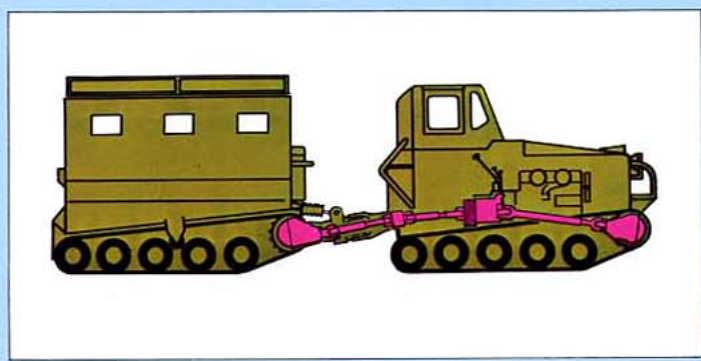
202



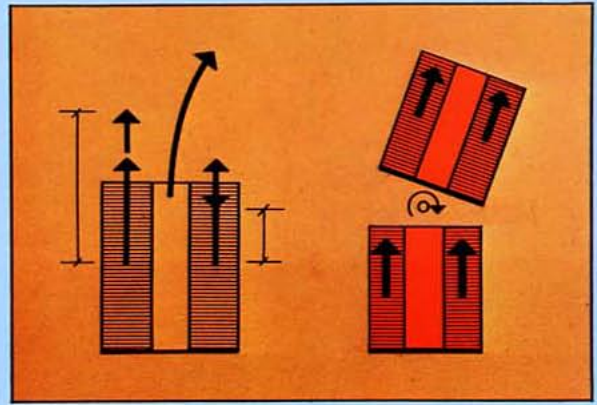
transport duties



Thanks to articulated steering, the 202 has full tractive power on all tracks – even while turning. Its turning radius is 6.8 m (22 ft).



The power goes via the main gearbox and the transfer box to the drive axles in the front ends of the two units. There are a total of eight forward speeds and two reverse.

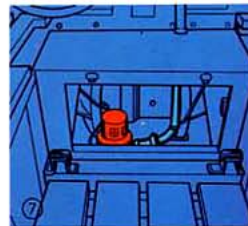
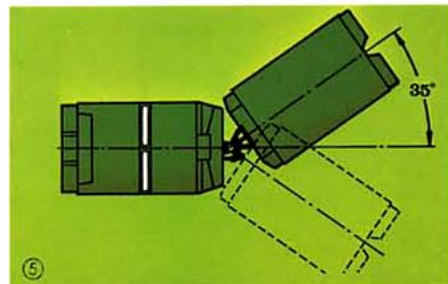
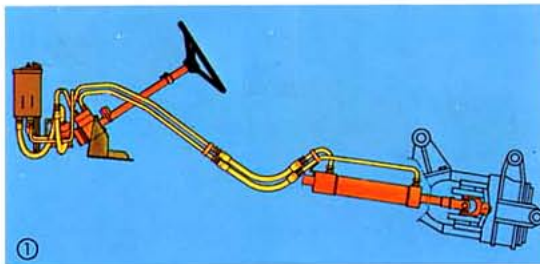


Conventional tracked vehicle.

Tracked vehicle 202.

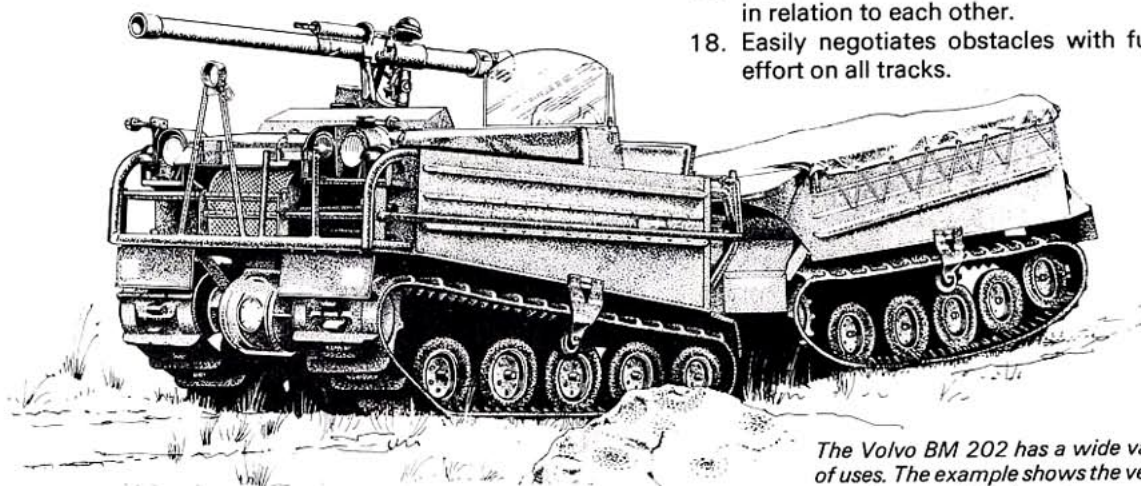
Quality-built for hard going

The Volvo BM 202 is the result of a far-reaching and thorough technical development effort. In addition, practical trials in research laboratories and tests over different types of terrain and in different types of climate have provided vital information for detail design. The Volvo BM 202 is therefore a vehicle which is very reliable in operation and which performs the most difficult tasks.

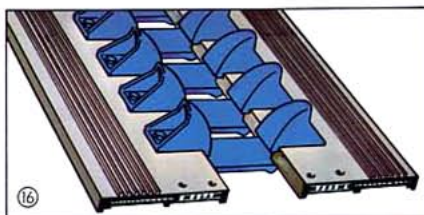
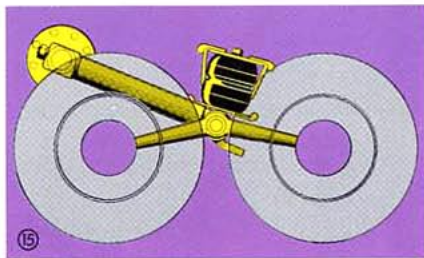
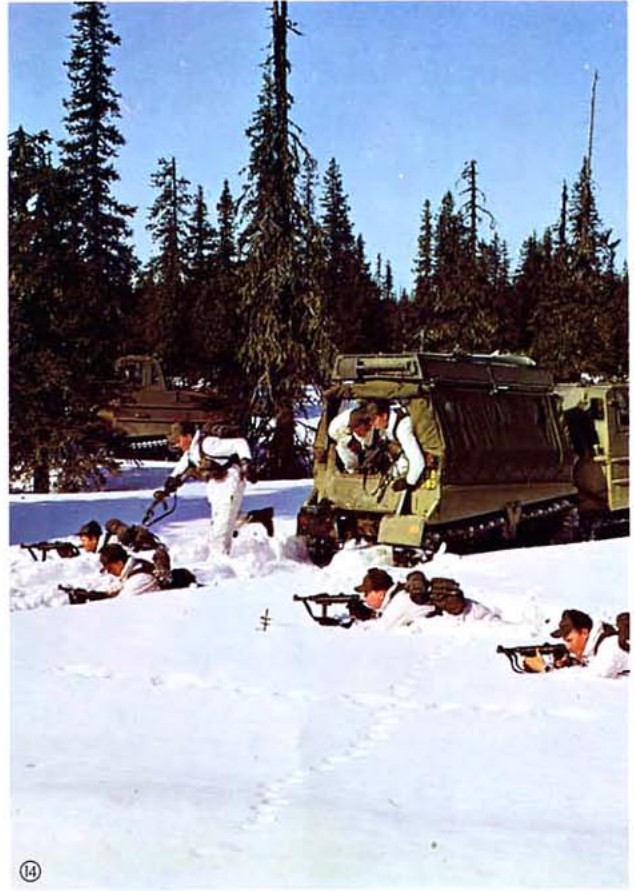
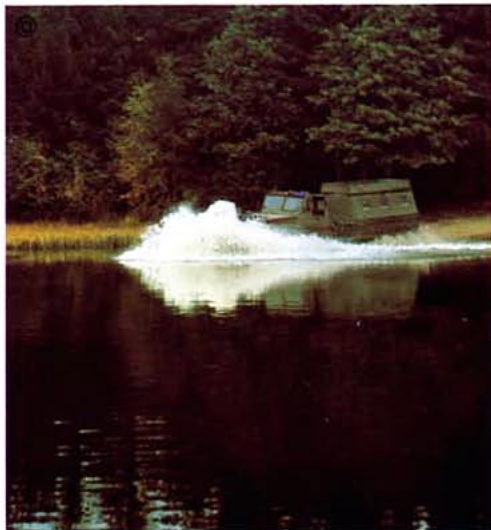


Versatile

1. Hydrostatic, articulated steering with one double-acting hydraulic cylinder.
2. Easy-to-read, comprehensive instrumentation.
3. Designed for use in extreme cold.
4. High tractive effort permits really heavy transports.
5. Large angular deviation – nimble off-road driving.
6. The steering link is heavy-duty and has dampening springs on the front and rear.
7. Bilge pumps in both front and rear units.
8. The design of the vehicle enables it to swim with full load.
9. Can be equipped for fire-fighting.
10. Low ground pressure permits driving over marshy ground.
11. Propulsion in water is achieved by the paddle effect of the tracks.
12. Good visibility over the sloping engine bonnet.
13. Goes directly out in the water, no special preparations required.
14. Rapid access through the wide rear opening.
15. The wheels are torsion-sprung and suspended in pairs.
16. Fully-cast rubber tracks reinforced with steel wires.
17. Front and rear sections can be rotated 40° in relation to each other.
18. Easily negotiates obstacles with full tractive effort on all tracks.

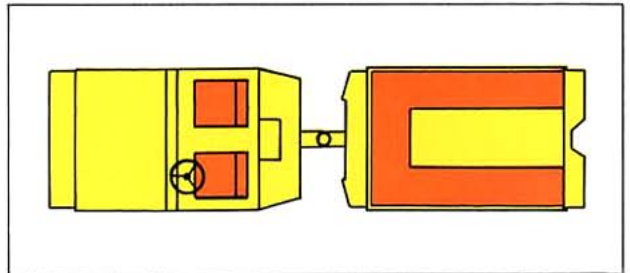


The Volvo BM 202 has a wide variety of uses. The example shows the vehicle carrying an anti-tank gun.

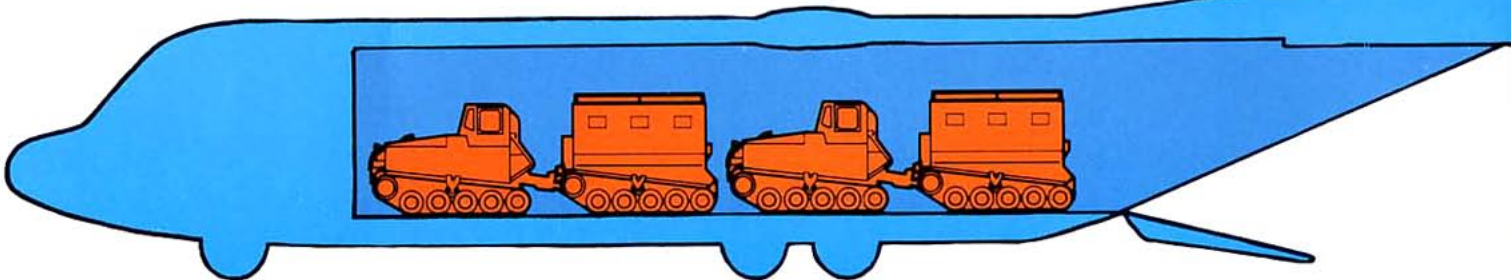


Spacious and comfortable

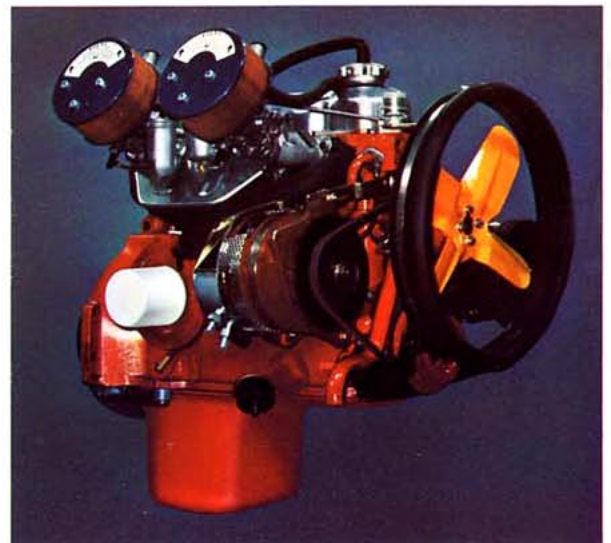
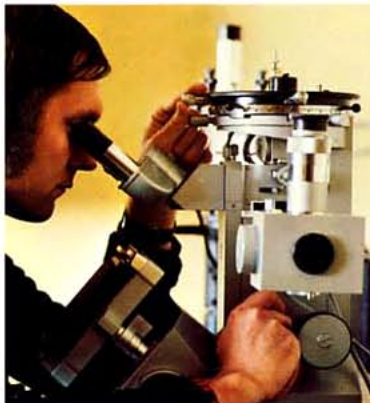
The Volvo BM 202 has a high-capacity heating and ventilating system which provides a pleasant cab climate. Good insulation, comfortable seats, ample instrumentation and car-type controls make driving easy and convenient. In the standard version, the top part of the rear section consists of a heavy-duty tubular frame with a tarpaulin superstructure which can easily be removed for the transport of bulky loads. The interior can be varied as required and can be fitted with a heater and upholstered seats for the transport of personnel. Alternatively, a hardtop can be fitted. This is recommended if the vehicle is to be used for ambulance duties, radio transmission etc. The 202 Tracked Vehicle has an adaptability which permits it to be converted into the ideal transport solution for each particular task.



Room for 12 persons with full gear.



The moderate size of the tracked vehicle permits the transport of two vehicles in military aircraft.



Volvo B20

The Volvo 202 is characterized by its sophisticated yet simple design – making it easy to service and maintain. Great emphasis has also been placed on the use of standard Volvo components, since they are of high quality and are easy to obtain on the civilian market. Precision production methods have contributed towards making the 202 a quality vehicle throughout. The welds are X-ray-inspected and leakage-tested. The power pack is a Volvo 4-cylinder B20 engine – an engine which is manufactured in long production runs and which is known for its long life, reliability and low fuel consumption.



SPECIFICATION VOLVO BM 202 Mk II

Weights

Weight (unladen)	2900 kg (6400 lb)
Service weight (unladen weight + fuel + hand tools + spare parts kit for field use)	3200 kg (7000 lb)
Max. payload	1200 kg (2650 lb)
Ground pressure	10 kPa (1.42 lb/in ²)

Engine

Make, type	Volvo B20B
Rating (DIN) at 88 rev/s (5300 rev/min)	71.4 kW (97 hp)
Max. torque at 58 rev/s (3500 rev/min)	145 Nm (105 lbf ft)
Number of cylinders	4
Displacement	1.99 l
Compression	8.7:1
Cooling system	Liquid cooling, closed system
Fuel	Petrol (gasoline)
Octane, min	93 (ROT)
Fuel tank capacity	156 l (34 UK gal)

Transmission

Clutch, type	Dry-disc, single
Operation	Mechanical
Main gearbox, type	Fully synchronized
Make	ZF S4-18/3
Gear ratios: 1st	2.79:1
2nd	1.86:1
3rd	1.32:1
4th	1.00:1
reverse	3.00:1
Transfer box, make, type	Volvo G5
Gear ratios: high gear	1.34:1
low gear	2.91:1
Drive axles, make, type	Salisbury 5 HA
Max. speed	39 km/h (24 miles/h)
Max. speed on water	3.0 km/h (1.9 miles/h)

Electrical system

Voltage	24 V
Batteries, capacity	72 Ah
Alternator, max. output	900 W
Starter motor, rating	0.7 kW (1 hp)
Radio interference suppression	Shielded within frequency range 0.15-1000 MHz

Steering system

Type	Hydrostatic
Control	Steering wheel with steering valve

Brakes

Foot brake, type	Hydraulically actuated drum brake
Hand brake, type	Mechanical drum brake
location	Propeller shaft

Other equipment

Twin bilge pumps
Hand tool kit
Towing cable
Crowbar
Jack

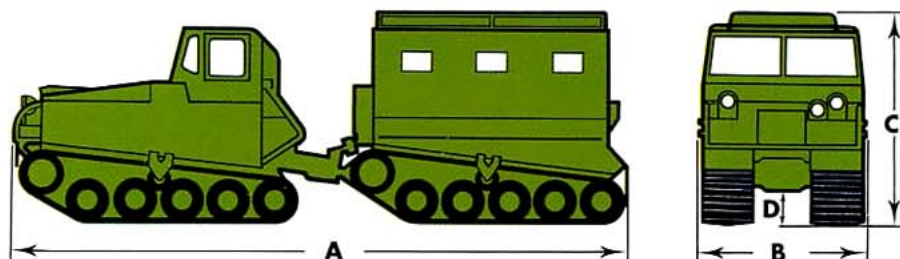
Alternative versions

Tropical climate cooling kit
Fully covered rear section (hardtop)
Heater in rear section
Coolant heater for cold-starting
Torque converter
Max. speed 50 km/h (31 mph)

Specifications, design and construction are subject to alteration without notice.

Dimensions

A =	6175 mm (243 in)
B =	1760 mm (69 in)
C =	2210 mm (87 in)
D =	280 mm (11 in)





The Volvo BM 202 Tracked Vehicle is designed to provide efficient transport over snow, water, marshy ground, desert sand – in fact, anywhere other vehicles can't go. Its versatility enables it to operate in all climates and all parts of the world where high demands are made on safe, reliable transport.

VOLVO BM

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