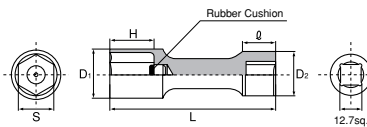


3 Removing/Installing Wheel
 ② Removing/Installing Wheel Nuts



● 1/2"sq. Wheel nut socket set for impact wrench (long, thin type) PAT.P.



WHEEL NUT SOCKET SET FOR IMPACT WRENCH

No.	S (Hexagonal)	D ₁	D ₂	H	ℓ	L			
No. TBP4803	580				1				
Wheel nut socket for impact wrench							BP48-17, 19, 21		
No.	S (Hexagonal)	D₁	D₂	H	ℓ	L			
BP48-17	17	24.0	25	22	18	100	180	5	
BP48-19	19	26.0	25	24	18	100	200	5	
BP48-21	21	27.5	25	26	18	100	200	5	
BP48-22	22	29.5	25	27	18	100	220	5	



Usage

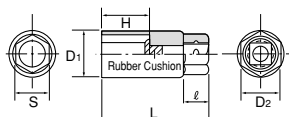
- Compatible with exclusive socket wrenches and impact wrenches used to tighten and loosen vehicle wheel nuts.

Characteristics

- Exclusive socket for the aluminum wheel
- A protective rubber cushion has been fitted for chrome or painted nuts.

- CAUTION**
- DO NOT USE EXCEPT FOR CAR WHEEL NUTS.
 - SPECIALLY DESIGNED TO BE THINNER THAN ORDINARY PRODUCTS. DUE TO THE THINNER CONSTRUCTION, THIS SOCKET SET MAY BREAK DEPENDING ON THE WAY OF USE.

● 1/2"sq. SOCKET SET FOR ALUMINUM WHEEL



SOCKET FOR ALUMINUM WHEEL

No.	S (Hexagonal)	D ₁	D ₂	H	ℓ	L		
B35A-17H	17	24	21	22	15	60	140	10
-19H	19	26	21	24	15	60	140	10
-21H	21	27.5	21	27	15	60	140	10

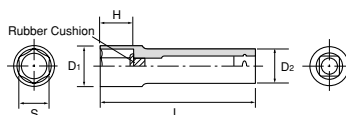


Purpose

- Specialty for fasten/loosening aluminum wheel nuts of cars.
- With rubber cushion for plated and painted wheel nut.

- CAUTION**
- DESIGNED SPECIALLY FOR THE ALUMINUM WHEEL AND ENDURES LOWER TORQUE BECAUSE OF ITS STRUCTURE.

● 1/2"sq. WHEEL NUT SOCKET



WHEEL NUT SOCKET

No.	S (Hexagonal)	D ₁	D ₂	H	L		
B38Z-17H	17	24	22	22	100	200	5
-19H	19	26	22	24	100	200	5
-21H	21	27.5	22	26	100	200	5
-22H	22	29.5	22	27	100	200	5



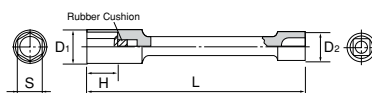
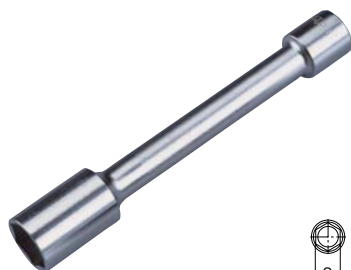
Purpose

- Specially for fasten/loosening aluminum wheel nuts of cars.

Features

- The whole length is 100mm, designed exclusively to fit the wheel. Use with a torque wrench improves work efficiency.
- With rubber cushion for plated and painted wheel nut.
- 22H is for Land Cruiser 100 and Honda Legend (KB1)

● 1/2"sq. WHEEL NUT LONG SOCKET



WHEEL NUT LONG SOCKET

No.	S (Hexagonal)	D ₁	D ₂	H	L		
B38ZL-17H	17	24	24	22	180	330	5
-19H	19	26	24	24	180	340	5
-21H	21	27.5	24	26	180	350	5



Purpose

- Specially for fasten/loosening aluminum wheel nuts of cars.

Features

- Long size most appropriate for RVs.
- Long size necessitates no extension bar and improves work efficiency.
- With rubber cushion for plated and painted wheel nut.

● CROSS RIM WRENCH



P.119

WHEEL NUT TORQUE WRENCH SET

No. TWCMPA221	kg 1.3	1
1/2"sq. Torque wrench for wheel nut		WCMPA103
1/2"sq. Exclusive socket for wheel nut 21mm		B38Z-21H

Usage

- This tool is a pre-set type torque wrench that is used to tighten vehicle wheel nuts 17, 19, and 21mm at a specified torque of 103N-m (10.5kgf-m). (The 17, 19mm sockets are sold separately.)
- Applicable for clockwise rotation tightening. (Is not applicable for anti-clockwise rotation tightening)

Characteristics

- Reliable operation is possible through torque management. (For confirmation during inspection on completion)
- Work hours have been reduced with the employment of the ratchet head. (36 plate gears) The union structure allows for the firm sustenance of the socket. Socket replacement can be carried out easily.
- The full optimum length is designed so that the tire and the mechanic's hands do not interfere. (Full length has been set at 420mm, 55mm longer than in previous models.) The load on the handle has also been reduced during operation.
- The head angle changes with a light shock to the hands when the tightening torque is reached, enabling recognition of completion.
- The rubber cap attached to the base prevents entry of dirt and dust.
- Provided with a soft case that makes storage easy.

*Replaceable parts are available for the ratchet section. Check with your dealer for details.

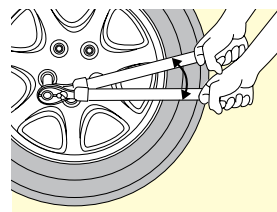
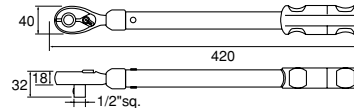
Compatibility Table (Domestic Vehicles)

Nut size (mm)	Manufacturer	Examples of Compatible Cars
19	Honda, Subaru	All passenger vehicles (except recreational and light vehicles)
	Isuzu	All passenger vehicles
21	Toyota, Nissan	All passenger vehicles (except recreational and light vehicles)
	Mitsubishi, Daihatsu	All passenger vehicles (except recreational and light vehicles)
	Mazda	All passenger vehicles (except recreational and light vehicles)

- * The torque value for light vehicles with 17mm nuts differs from the one for regular vehicles. For this reason, the torque wrench above cannot be used. However, the torque wrench can be used on some foreign cars made outside of Japan.
- * Compatible with wheel tightening torque value of 103N-m. (Not applicable to certain vehicles and wheels.)
- * The wrench cannot be used for trucks and recreational vehicles, as the torque value required is too high.
- * Check the torque value before using wrench on non-standard wheels.

1/2" sq. WHEEL NUT TORQUE WRENCH SET

D.PAT.



Confirm the tightening torque with the wrench positioned between the arrows, as shown in the diagram.



CAUTION

1. This torque wrench is exclusively designed for wheel nuts. Do not use this tool to tighten or loosen other bolts/nuts.
2. The wheel tightening torque is set for domestically manufactured vehicle standard wheels. Check the torque settings for special wheels before use.
3. This product is a measurement tool. Take extreme care when handling. Be sure to avoid dropping, throwing, or hitting this product.
4. Hold the grip at the line as the center and apply even firm pressure.
5. Applying pressure at other places (pipe part etc.) than the grip will give inaccurate torque readings.

6. Use this product multiple times to avoid misleading when the tool has been stored for a long time.
7. Do not use during rain, high humidity levels, and in conditions where the tool is exposed to water.
8. Do not disassemble this product. The torque settings can become faulty.
9. Immediately stop use and request for an inspection/disassembly and adjustment when this product is dropped, submerged in water, emits abnormal sound, or operates faultily.
10. Do not apply force after operation.