

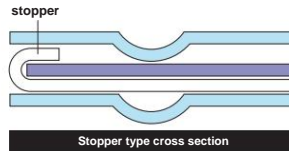
S20 ENGINE PARTS

S20 Metal Head Gasket



*The gasket bore is matched to the size of the combustion chamber. Piston diameter can be selected from the original size.

The stopper type was developed to improve the sealing performance around the combustion chamber. The inner plate is wrapped around the bore in a grommet shape, and the stopper part is overlapped with the outer bead plate, improving the sealing performance with a two-stage structure of the stopper and bead.



G/K bore diameter	Thickness	price
87γ	1.0mm	Unit ¥34,000
87γ	1.2mm	Unit ¥35,000
87γ	1.5mm	Unit price ¥36,000
87γ	2.0mm	Unit price ¥38,000

S20 72 degree camshaft



This camshaft can be used for a wide range of purposes, from city driving to sports driving. By combining it with Kameari valve springs, you can maximize performance.

•Cam lift: 9.8mm •Base circle: 31.5mm

Unit price: ¥144,000 /1 piece

Note: Please use Kameari Reinforced Valve S/P + Lightweight Retainer Set. OEM springs cannot be used.

S20 75 degree camshaft



This camshaft can be used for a wide range of purposes, from city driving to sports driving. By combining it with Kameari valve springs, you can maximize performance.

•Cam lift: 9.8mm •Base circle: 31.5mm

Unit price: ¥144,000 /1 piece

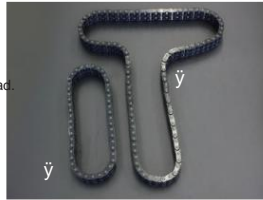
Note: Please use Kameari Reinforced Valve S/P + Lightweight Retainer Set. OEM springs cannot be used.

S20 slide cam sprocket gear



Manufacturing method	Machined (high-definition finish)
Material	Chromium molybdenum steel
Bot Heat	M6 Chromoly flange bolts Heat treated
treatment + Surface treatment	+ Nitrided (sprocket) Heat treated + Black dye (plate) 28° (+14° -14°) 1 scale
Slide width	2 degree intervals
adjustment memory	
price	¥18,000 /1 piece

S20 reinforced timing chain



This reinforced chain has a relatively thin 5-10μ insoluble manganese phosphate film on the metal surface, which is then uniformly and evenly permeated into the material surface. This makes it four times more resistant to wear! It keeps the chain in the best condition for a long time by preventing valve timing delays caused by chain elongation. It is also resistant to the burning and galling that often occurs in the sliding parts of the chain, and helps maintain smooth movement and reduce friction loss.

Reinforced oil pump chain γ

Unit price: ¥8,000

Reinforced timing chain γ

Unit price: ¥18,000

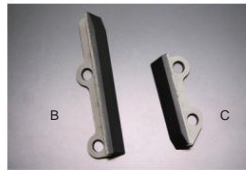
S20 Chain stopper



Reinforced Chain Stopper A

Unit price: ¥12,000

Reinforced type with measures against rubber wear and arm cracks.



Chain stopper B

Unit price: ¥12,000

Chain stopper C

Unit price: ¥12,000

S20 cam bearing set



This is an overhaul part that you should definitely replace to ensure accurate camshaft operation.

Unit price : ¥16,080/ unit

S20 Tensioner



All components have been replaced with reinforced parts. In addition, the plate has been redesigned to be disassembled, making it easier to overhaul.

Unit price: ¥30,000

S20 Type-R2 Combination S/P SET (Type-R2 Valve S/P + Lightweight Retainer + S/P Seat)

This is a full-fledged Type-R2 combination set that has established the most effective single design for light weight. Two types of IN and EX loads are set to be most suitable for the IN and EX environments with different valve seat diameters and weights. This minimizes friction loss, provides the necessary full load, and enables high power and high rotation.

γType-R2 Combination S/P Chromoly Retainer SET

Unit price ¥98,000 /SET



γSet contents
Chromoly retainer (14.3g) Valve spring stepped seat Type-R2 intake valve spring Type-R2 exhaust valve spring

γType-R2 Combination S/P Titanium Retainer SET

Unit price ¥124,000 /SET



γSet contents
Titanium retainer (8.1g) Valve spring stepped seat Type-R2 intake valve spring Type-R2 exhaust valve spring

S20 Type-R2 Valve Spring Specifications List

Item	[Intake S/P] Within	[Exhaust S/P] Within
Cam lift (mm) Material	10.5 High strength Si-Cr γ4.0	10.5 High strength Si-Cr γ4.0
Wire diameter (mm)	6.97 45.91	6.93 44.83
Total number of turns	38 31.0 75.1	38 27.0
Free length (mm) Installation	77.5 80.0	
length (mm) Set load (kgf)	82.5 26.6	72.2
9mm lift load (Kgf) 9.5mm lift load (Kgf) 10mm lift load (Kgf) 10.5mm lift load (Kgf)	or less 46.0	74.7
Contact length (mm)	Uneven	77.2
Weight (g)	Installation	79.7 26.4
Identification color Wire pitch Shot peening	Installation	or less 45.1
Low temperature carbonitriding treatment Anti-sag treatment	Installation	Orange
		Uneven pitch
		Construction
		Construction
		Construction