

L-type ENGINE TUNING PARTS

L-type SPL valve spring



The natural frequency is improved by using an inner/outer press-fit + unequal pitch. Aiming for instantaneous power and high rotation. KAMEARI know-how is utilized in the calculated load settings.

*Depending on the cam lift, it can run at 9000 rpm (for low lift) or 10000 rpm (for high lift)
Two types of springs are available:

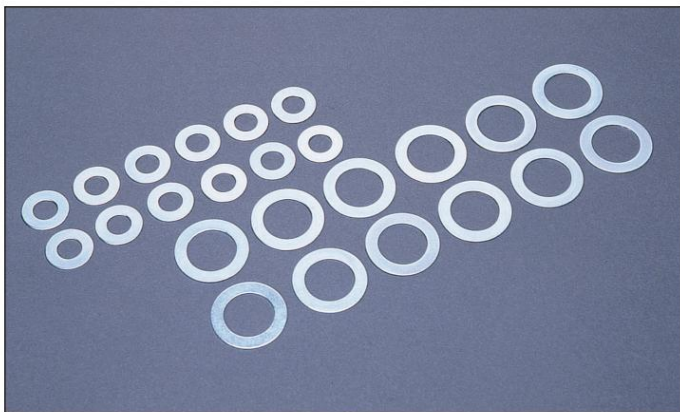
Model	specification	Price/set	Cam lift/installation length
L20 to L28	Compatible with 9000 rpm	¥24,000	8y9.3mm/40y41mm
	Compatible with 10000 rpm	¥33,000	9~10mm/42.5~43.5mm
L14 to L18	Compatible with 9000 rpm	¥16,000	8y9.3mm/40y41mm
	Compatible with 10000 rpm	¥22,000	9~10mm/42.5~43.5mm

*The 10,000 rpm compatible springs are specially designed for IN and EX, and the combination has different characteristics.

*The spring mounting length must be changed from the standard 40mm to the above mounting length.

This can be adjusted by changing the combination of spring washers, retainers, and valve lengths, so please feel free to contact us.

L-shaped valve spring washer



Valve spring washers are used to align the installation length of valve springs and adjust the load. This is a necessary part.

*Can be stacked in two layers, but please use the inner and outer layers of the same thickness.

Product name	Thickness	price	remarks
L6 washer set 0.5mm 0.8mm		¥7,200	Innerwasher, outerwear 12 pieces set ¥7,200 Innerwasher, outerwear 12 pieces set
L4 washer set 0.5mm 0.8mm		¥4,800	Set of 8 innerwasher and outerwear ¥4,800 Set of 8 innerwasher and outerwear
Single outer washer 0.5mm 0.8mm		¥300/piece	
Single inner washer 0.5mm 0.8mm		¥300/piece	

*For reference, the standard thickness is 1.0 mm.

L-shaped cam holder spacer



Prevents timing chain deflection caused by surface grinding, stabilizing valve timing. Reduces friction loss.

*The following surface grinding amounts are the total surface grinding amounts for the block and head, plus or minus the amount of head gasket thickness changed from the original. These are numerical values. When using spacers, the rocker guide will become thicker, so be sure to change it.

Model	Thickness	Price/Set	Surface grinding amount/remarks
L20 to L28	1.2mm	¥11,000	1.1-1.5mm (with long bolt)
	1.6mm	¥11,000	1.6-2.0mm (with long bolt)
	2.0mm	¥11,000	2.1-2.5mm (with long bolt)
L14 to L18	1.2mm	¥8,800	1.1-1.5mm (with long bolt)
	1.6mm	¥8,800	1.6-2.0mm (with long bolt)
	2.0mm	¥8,800	2.1-2.5mm (with long bolt)

L-type chromium lightweight rocker arm



Material: Chrome molybdenum steel (genuine: carbon steel)
 *Refining hardness: HRC30-33 (genuine product: HRC22-26)
 Heat treatment : High-frequency hardening (pivot & tip: HRC45-50)
 • Manufacturing method:
 Forged • Weight: 56g-59g (genuine: 75g-80g)
 •Surface treatment: shot blasting + coining •Carbide tip:
 genuine product (brazing breaking strength 3t or more, height variation within 100/5)

Delivery date undecided

[Limit load

comparison] Measurement method: Place fulcrums on the pivot and rocker arm tips, set the main body horizontally, and apply loads of 500 kg to the center of the carbide tip. The amount of strain on the rocker arm body at that time was measured in stages and the strength was compared.

	0y11 1.5t 0mm	2.0t	2.5t	3.0t	3.5t
Normal unprocessed product (76g)	0mm	0.01mm	0.02mm	0.18mm	0.48mm
Normal lightweight item (60g)	0mm	0.02mm	0.18mm	0.45mm	
Lightweight chromoly (57g)	0mm	0mm	0.01mm	0.02mm	Damage 0.120/47mm