

ATS LSDs keep evolving. New “Type DD” released !!

Newly released are 5 models which can handle the tough endurance race (w/ slick tires) without any deteriorated performance. Type DD – Super Drivability & Durability



Type DD LSD for DC5 & FD2



Type DD LSD for Evo Front

Honda EK9, DC2

D24 metal RHFB8733T “DD”

Carbon CHFB87G33T “DD”, CHFB87F33T “DD”, CHFB87E33T “DD”

Honda DC5, FD2

D24 metal RHFB8753T “DD” (or 8793)

Carbon CHFB87G53T “DD”, CHFB87F53T “DD”, CHFB87E53T “DD” (or 8793)

Honda S2000

(new S2000 LSDs will be available in September 2015)

Metal RHRA(B)9512 “DD” 16 discs

Carbon CHRA(B)9512 “DD”

Mitsubishi Evo Rear

D24 metal RMRB8714 “DD”

CMRB87G14 “DD”, CMRB87F14 “DD”, CMRB87E14 “DD”

Subaru Sti Front

Metal RSFB9523 “DD” 16 discs

CSFB95G23 “DD”, CSFB95F23 “DD”

We are going to add more type DD models next year.



* Naming

The model name of LSDs with the new case has “Type DD” at the end. Type DD stands for (Super) Drivability & Durability.

* Features of new LSD

In order to make the differential case more solid and stronger, the carburized quenching process is applied to the chromoly steel. The super durable new case virtually eliminates the flexure, the encroachment of the disc edge, and the wear of the bearing boss.

We know vigorous oil circulation and ample oil supply on the clutch discs are essential to prevent the burning discs or peeling off the carbon chips. To achieve that objective, we totally redesigned the oil inflow channels so that the pressure of inside the LSD case is kept high by the centrifugal force generated from the gradual oil discharge from the outer diameter.

The outer edge grooves of the new LSD case release the oil so effectively that the sludge which frequently generated on the break-in process is also discharged with the oil. The eliminated sludge no longer causes the wear of carbon chips and clutch discs resulting in a significant slowdown on decline of the initial torque.

The new LSD case has enough room for 4 to 6 coned springs, which enables to make a high initial torque carbon LSD and a hybrid LSD.

All the improvements bring a superb durability which can withstand the extremely harsh driving conditions as well as an outstanding controllability for any driver from the novice to the professional.