

APPLICATION GUIDE

ChipCHECK - V2500

The ChipCHECK alloy naming convention follows SAE standards which may differ from the Manual. This application guide is a cross reference between the ChipCHECK report and the V2500. This application guide is only applicable to ChipCHECKs with Material Library A027243 Rev C or equivalent. Please contact support@gastops.com to confirm unit compliance.



	ChipCHECK	V2500
Fe Base	1010	AMS7310
	8740	AMS6322 or AMS6323
	4130 / 52100	AMS6444 (52100)
	15CDV6 (AIR)	N/A to this engine type
	4340	AMS6414 or AMS6415 or AMS2412
	32CDV13 (AIR) / 30CD12 (AIR) / S-7 (AISI)	MSRR6012 or S/CMV or 32CrMoV13
	Nitralloy 135 Mod	N/A to this engine type
	9310	AMS6265 AISI 9310
	35NCD16 (AIR)	MSRR6024 or BS/S156
	Nitralloy N	N/A to this engine type
	H-13 ¹	QQ-T570 or CLH-13 or CPM-10V
	6308	N/A to this engine type
	M50	AMS6491 or MSRR6083 (M50) or PWA793
	400 Series	AMS5613 or AMS5616 or AMS5630 or AMS7470 or AISI 440C or Greek Ascology
	M50 Nil	M50 Nil
	Jethete M152 (P)	N/A to this engine type
	15-5PH / 17-4PH	AMS5355 or 17/4PH or SS80
AM-350	HC101 - Casting	
17-7 PH	N/A to this engine type	
300 Series	HC104 - Casting or X6CrNiTi1811 or AMS5362 or AMS5510 or AMS5645 or AMS5646 or AMS5689 or AS 7330 or UNS S30200 or Cres 302	
Maraging 250 (P)	N/A to this engine type	
Alloy No. 42 (P)	N/A to this engine type	
A286	AMS5732 or A-286 or AMS5737	
ALNICO 5 (P)	N/A to this engine type	
Al Base	6061	AMS4117 or AMS4127
	2024	AMS4152
	2219	N/A to this engine type
	2618	N/A to this engine type
	C355.0 / 356.0 / 357.0	A357-T61
	7075	N/A to this engine type
Ni Base	Waspaloy	MSRR 7011
	Inconel 718	AMS5596 or AMS5662 or AMS5663
	Hastelloy X	AMS5536
	Inconel 625	N/A to this engine type
	Inconel X750	AMS5542 or AMS5598 or AMS5671 or AMS5698 or AMS5699
Nickel	PWA36 Nickel Plate	
Ti Base	Ti 6-4	AMSTi6Al4V
	Ti 6-2-4-6	N/A to this engine type
Cu Base	Copper	UA10N Cu Al10 Ni5 Fe4
	CDA443 (CDA)	N/A to this engine type
Co Base	L-605	N/A to this engine type
	Elgiloy	N/A to this engine type
Ag Base	Silver	AMS2412

¹Please send suspect debris to laboratory or contact Gastops Customer Support to confirm the presence of CPM-10V.

Note: Please review unclassified results for particles with area greater than 100,000 µm² by performing a visual inspection. If a metallic particle is suspected from the visual inspection, please send particle for laboratory analysis.

Disclaimer: The analyzed wear debris is reported by ChipCHECK as the nearest matched alloy classification per ASTM D8182-18. Any analyzed wear debris that could not be classified by ChipCHECK is reported as "Unclassified". Note that unclassified results do not necessarily constitute that the sample is in absence of the materials included in the configured material library. An unclassified result may be due to an inadequate spectra collected from the particles, which can be mitigated by following the procedures outlined in the user manual. All results reported by ChipCHECK are subject to the proper use, operation, and maintenance of the device in compliance with the defined requirements in user manual C009802.