

APPLICATION GUIDE

ChipCHECK - PW2000

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 PW2000. 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	PW2000
Fe Base	1010	AMS 7310 Iron Alloy (Cast Iron - 2.2% Si), AMS 5040, ASTM 536
	8740	AMS 6322 ST./ SAE8740
	4130 / 52100* ¹	AMS 6329 (SAE4140/UNS G41400), AMS 6349, AMS 6350, AMS 6351 (4130), AMS 6370, AMS 6371, AMS 6440, AMS 6444, PWA 723 (52100)
	15CDV6 (AIR)	15CDV6, AMS 6304
	4340*	AMS 6414, AMS 6415
	32CDV13 (AIR) / 30CD12 (AIR) / S-7 (AISI)	32CDV13
	Nitralloy 135 Mod	N/A to this engine type
	9310*	AMS 6265
	35NCD16 (AIR)	N/A to this engine type
	Nitralloy N	N/A to this engine type
	H-13	N/A to this engine type
	6308	AMS 6308
	M50*	AMS 6491, AMS 6490
	400 Series	AMS 5504, AMS 5613 CRES, QQ-T-570, CL
	M50 Nil	N/A to this engine type
	Jethete M152 (P)	N/A to this engine type
	15-5PH / 17-4PH	AMS 5355
	AM-350	N/A to this engine type
	17-7 PH	AMS 5528, AMS 5529
	300 Series	AMS 5688 (301SS), AMS 5510 CRES, AMS 5646, AMS 7228, AMS 5645, AMS 5516
Al Base	Maraging 250 (P)	N/A to this engine type
	Alloy No. 42 (P)	N/A to this engine type
	A286	AMS 5731, AMS 5734
	ALNICO 5 (P)	N/A to this engine type
	6061	AMS 4127
Ni Base	2024	AMS 4152
	2219	AMS 4144
	2618	QQ-A-596, Alloy, 852.0-T5
	C355.0 / 356.0 / 357.0	AMS 4215, AMS 4219
	7075	N/A to this engine type
Ti Base	Waspalloy	N/A to this engine type
	Inconel 718	AMS 5663 (IN718), PWA 649
	Hastelloy X	AMS 5536
	Inconel 625	N/A to this engine type
	Inconel X750	AMS 5699, AMS 5698
Cu Base	Nickel	AMS 2416
	Ti 6-4	AMS 4911 Ti Alloy, AMS 4928
Co Base	Ti 6-2-4-6	N/A to this engine type
	Copper*	AMS 4616 Forged Silicon Bronze, MS 23, AMS 4846, MS23.06-01
Ag Base	CDA443 (CDA)	N/A to this engine type
	L-605	N/A to this engine type
	Elgiloy	N/A to this engine type
	Silver*	AMS 2412, AMS 2410

*Critical material.

¹Please send suspect debris to laboratory or contact Gastops Customer Support to confirm the presence of 52100.

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.