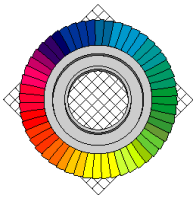

HIGH PERFORMANCE ALLOYS DATABASE (HPAD)

GRADE	UNS
STAINLESS STEELS	
Austenitic & Nickel Chromium	
19-9DL	J92843/K63198/K63199
20Cb-3®, INCOLOY® 20	N08020
20Mo-6® HS	N08036
21Cr-6Ni-9Mn	S21904
22Cr-13Ni-5Mn, NITRONIC® 50	S20910
254 SMO	S31254
654 SMO	S32654
904L	N08904
AL-6XN®	N08367/J94651
Datalloy 2®, 15-15 HS & LC, SCF 260	None
HAYNES® HR-120®	N08120
INCOLOY® 28	N08028
INCOLOY® 800	N08800
INCOLOY® 800H	N08810
INCOLOY® A-286	K66286/S66286
N-155	R30155
NITRONIC® 60	S20162/S21800
SCF19	S21000
Type 201	S20100
Type 310/310S	S31000
Type 321	S32100
Types 301 & 302	S30100/S30200/S30430
Types 303/303 Se	S30300/S30323
Types 304/304L	S30400/S30403
Types 316 & 317	S31600/S31603 & S31700/S31703
Types 347 & 348	S34700/S34800
Martensitic	
9Cr-1Mo	S50400
F6NM, 1.4313	S41500
Types 403, 410 & 416	S40300/S41000/S41600
Type 420	S42000
Precipitation Hardening	
15-5PH	J92100/S15500
17-4PH	S17400
17-7PH	S17700
Custom 455®	S45500
Custom 465®	S46500
PH13-8Mo	S13800
Duplex	
Lean duplex family 2202, 2003, 2304, 2102	S32202/S32003/S32304/S82011
2205	S31803/S32205
2507, Zeron 100	S32750/S32760
FERRALLIUM® 255	S32550
Ferritic	
AL 29-4C	S44735
430	S43000
INCOLOY® MA 956	S67956

GRADE	UNS
NICKEL AND COBALT ALLOYS	
ATI 718Plus®	N07818
Custom Age 625 Plus®	N07716
HASTELLOY® B-3®	N10675
HASTELLOY® C-2000®	N06200
HASTELLOY® C-22HS®	N07022
HASTELLOY® C-276	N10276
HASTELLOY® X	N06002
HAYNES® 188	R30188
HAYNES® 230®	N06230
HAYNES® 242®	N10242
HAYNES® 263	N07263
HAYNES® 282®	N07208
HAYNES® G-35®	N06035
HAYNES® HR-160®	N12160
INCOLOY® 825	N08825
INCOLOY® 901	N09901
INCOLOY® 925	N09925
INCONEL® 600	N06600
INCONEL® 601	N06601
INCONEL® 617	N06617
INCONEL® 625	N06625
INCONEL® 690	N06690
INCONEL® 693	N06693
INCONEL® 706	N09706
INCONEL® 718	N07718
INCONEL 740H	N07740
INCONEL® 783	R30783
INCONEL® X-750	N07750
L-605, HAYNES® 25	R30605
MONEL® K-500	N05500
MP35N®	R30035
NIMONIC® 80A	N07080
René® 104	None
UDIMET® 720	N07720
WASPALOY®	N07001
ZIRCONIUM	
702, 705	R60702/R60705
ADDITIVE MANUFACTURING	
AlSi10Mg	A13600/A13601/A13602
Titanium 6Al-4V	R3400/R56400/R56401
INCONEL® 718	N07718

GRADE	UNS
MAGNESIUM ALLOYS	
Wrought	
AZ31A, C & D	M11311/M11312
AZ31B	M11311/M11312
ZK60A	M16600
Cast	
AZ91	M11910
ALUMINUM ALLOYS	
Wrought	
2014 & Clad 2014	A92014
2024	A92024
2024 Clad	A92024
2219 & Clad 2219	A92219
2519	A92519
2618	A92618
5059	A95059
5083	A95083
5456	A95456
6061	A96061
7050	A97050
7075 & Clad 7075	A97075
7129/7029	A97129
Cast	
A201	A02010
A357	A13570
355/C355/A355	A03550/A33550/A13550
356/A356	A03560/A13560
380	A13380
390	A13390
HIGH STRENGTH STEELS	
18Ni Maraging (250 Grade)	K92890/K92940
18Ni Maraging (300 Grade)	K93120/K93160
4130	G41300
4140	G41400/J14046
4330V	J23260/K23080
4340	G43400
8630	G86300/J13042/J13050
H-11 Mod	T20811
H-13	T20813
TITANIUM ALLOYS	
3Al-2.5V	R56320
6-2-4-6	R56260
6Al-4V	R56400
6Al-4V/Cast	R56400/R56401
48-2-2	None
Commercially Pure	R50250/R50400/ R50550/R50700

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