

WEARTECH Hardfacing & Wear Resistant Alloys

	ALLOYS	SPECIFICATIONS	NOMINAL CHEMICAL COMPOSITION (WT%)										RC
			C	Cr	Co	W	Ni	Fe	Si	Mo	Mn	Other	Hardness
C O B A L T	WT-1	ERCoCr-C; UNS R30001	2.3	30	Bal.	13	< 3	< 3	0.8	<1	<1		48 - 59
	WT-3	UNS R30103; MIL-C-24248 Comp IV	2.4	32	Bal.	13	< 3	< 3	1	<1	<1		51 - 63
	WT-4	UNS R30404	0.8	30	Bal.	14	< 3	< 3	1.5	<1	<1		44 - 50
	WT-6	ERCoCr-A; UNSR30006; AMS5387, 5788	1.1	28	Bal.	4	< 3	< 3	1.1	<1	<1		38 - 48
	WT-6B	UNS R30016; AMS 5894	1.1	30	Bal.	4	< 3	< 3	1.1	<1	<1		33 - 43
	WT-6H		1.3	30	Bal.	5.5	1	1	1.3	<1	<1		42 - 48
	WT-12	ERCoCr-B; UNS R30012	1.4	29	Bal.	8	< 3	< 3	1.5	<1	<1		44 - 52
	WT-12H		1.7	29	Bal.	8	< 3	< 3	1.5	<1	<1		44 - 54
	WT-19	MIL-C-24248; Comp III	1.7	31	Bal.	10	< 3	< 3	1	<1	<1		48 - 60
	WT-20		2.5	32	Bal.	17	< 3	< 3	<1	<.5	<.1		50 - 60
	WT-21	ERCoCr-E; UNS R30021	0.25	27	Bal.		2.5	< 3	<1	5			27
	WT-25	L-605; UNS R30605; AMS 5537, 5759	0.1	20	Bal.	15	10	< 3	1	<.5	<1.5		16 - 24
	WT-31	UNS R30031	0.5	25	Bal.	8	10	2	1		<1		21
	WT-32	ERCoCr-F; UNS R30002	1.7	26	Bal.	12	23	< 3	1.4	<.6	<.3		32 - 46
	WT-1900	ERCoCr-G; UNS R30014	3.2	26	Bal.	14	< 3	< 3		<1	<1		50 - 62
	WT-1306		0.4	25	Bal.	2	5				<.5	Nb 6	36
	WT-1400	UNS R30400; SAE J775 (VF 8)	0.08	8	Bal.				2.6	29			51 - 58
	WT-1694	PWA 694	0.9	28	Bal.	19	5	< 3		<.5	<1	V1	47 - 54
	WT-1800		0.08	17	Bal.				3.5	29			54 - 62
ULTIMET®	UNS R31233		26	Bal.	2	9	3		5			30	
N I C K E L	WT-20		0.12	4			Bal.	5	3.2			B .7	16 - 23
	WT-30		0.2	7			Bal.	3	3.2			B 1.5	27 - 30
	WT-40	AWS A5.21 (RNiCr-A)	0.4	11			Bal.	2	2.2		<.2	B 2	35 - 42
	WT-50	AWS A5.21 (RNiCr-B)	0.6	13			Bal.	3.5	3.7		<.2	B 2.5	45 - 56
	WT-56	AWS A5.21 (RNiCr-B/C)	0.6	12.5			Bal.	4	3.3		<.2	B 2.7	50 - 58
	WT-60	AWS A5.21 (RNiCr-C)	0.7	14			Bal.	4.5	4		<.2	B 3	54 - 62
	WT-2700		0.08	15			Bal.		3.5	32			42 - 48
	WT-C	AMS 5388	0.12	16			Bal.	5.5	0.8	17	.8	V 0.3	20 - 26
	WT Ni-60		0.4	16			Bal.	20	3	<.5	<.5		30
	WT-41	MIL-DTL-24422 Comp A	0.4	12			Bal.	4	4		<.2	B 2	42 - 52
	WT-45	MIL-DTL-24422 Comp B	0.5	14			Bal.	4.5	4.5		<.2	B 2	48 - 58
I R O N	Norem-02A®		1.25	25			4	Bal.	3.3	2	4.5	N2<0.06	36 - 42
	Ni-Res	A-439-83	2.55	1.3			29	Bal.		0.05			160 RB
	WT-590	Superwear	4.2	25	11.3		1.5	Bal.	1	8.5			58
	WT-595		4.2	30					2.2		4.2		58

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