H.DOWNS

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NI HARD

CAPACITY
5 TONNES

WHITE IRONS

Grade	Carbon %	Silicon %	Manganeses %	Chrome %	Phosphorus %
1A*	2.4 - 3.4	0.5 - 1.5	0.2 - 0.8	2.0 max	O.15 max
1B	2.4 - 3.4	0.5 - 1.5	0.2 - 0.8	2.0 max	0.50 max
1C	2.4 - 3.0	0.5 - 1.5	0.2 - 0.8	2.0 max	0.15 max

*Most Common Grade 1A

NI-HARD

Grade	Carbon %	Silicon %	Manganese %	Nickel %	Chrome %
2A	2.7 - 3.2	0.3 - 0.8	0.2 - 0.8	3.0 - 5.5	1.5 - 3.5
2B*	3.2 - 3.6	0.3 - 0.8	0.2 - 0.8	3.0 - 5.5	1.5 - 3.5
2C	2.4 - 2.8	1.5 - 2.2	0.2 - 0.8	4.0 - 6.0	8.0 - 10.0
2D	2.8 - 3.2	1.5 - 2.2	0.2 - 0.8	4.0 - 6.0	8.0 - 10.0
2E	3.2 - 3.6	1.5 - 2.2	0.2 - 0.8	4.0 - 6.0	8.0 - 10.0

*Most Common Grade 2B

HIGH CHROME IRONS

Grade	Carbon %	Silicon %	Manganese %	Moly. %	Nickel %	Chrome %	Copper %
3A	1.8 - 3.0	1.0 max	0.5 - 1.50	2.5 max	2.0 max	14 - 17	2.0 max
3B	3.0 - 3.6	1.0 max	0.5 - 1.5	3.0 max	2.0 max	14 - 17	2.0 max
3C	1.8 - 3.0	1.0 max	0.5 - 1.5	3.0 max	2.0 max	17 - 22	2.0 max
3D	2.0 - 2.8	1.0 max	0.5 - 1.5	1.5 max	2.0 max	22 - 28	2.0 max
3E*	2.8 - 3.5	1.0 max	0.5 - 1.5	1.5 max	2.0 max	22 - 28	2.0 max
3F	2.0 - 2.7	1.0 max	0.5 - 1.5	2.5 max	2.0 max	11 - 13	2.0 max
3G	2.7 - 3.4	1.0 max	0.5 - 1.5	3.0 max	2.0 max	11 - 13	2.0 max

*Most Common Grade 3E