

**MIDHANI**

**STOCK MATERIAL FOR SALE  
(OCTOBER 2019)**

**MISHRA DHATU NIGAM LIMITED**



**MISHRA DHATU NIGAM LTD**  
(A Govt. of India Enterprise, Ministry of Defence)

## Ready stock material for sale & immediate dispatch

Sl. No.	Alloy Grade	Shape	Dia / Thick (mm)	Dimn. 1 (mm)	Dimn. 2 (mm)	Quantity (Kg)	Apprx. Chemical Composition
1	09X16H4B	Round	26			23	C-0.106, S-0.002, P-0.013, Si-0.47, Mn-0.43, Cr-15.71, Ni-4.34, Mo-0.19, Co-0.018, Cu-0.018, Al-0.01, Ti-0.002, V-0.023, Nb-0.110, Fe-Bal
2	09X16H4B	Round	30	2000		11	C-0.097, S-0.006, P-0.003, Si-0.45, Mn-0.38, Cr-15.56, Ni-4.32, Mo-0.01, Co-0.01, Cu-0.046, Al-0.01, Ti-0.002, V-0.013, Nb-0.112, Fe-Bal
3	09X16H4B	Round	190	1400		309	C-0.103, S-0.003, P-0.004, Si-0.78, Mn-0.46, Cr-15.05, Ni-4.21, Mo-0.028, Co-0.010, Cu-0.047, Al-0.042, Ti-0.002, V-0.016, Nb-0.086, Fe-Bal
4	09X16H4B	Round	100	1560		96	C-0.102, S-0.003, P-0.012, Si-0.28, Mn-0.37, Cr-15.74, Ni-4.32, Mo-0.15, Co-0.023, Cu-0.023, Al-0.011, Ti-0.002, V-0.023, Nb-0.10, Fe-Bal
5	09X16H4B	Round	100	1410		86	C-0.106, S-0.004, P-0.013, Si-0.27, Mn-0.38, Cr-15.68, Ni-4.40, Mo-0.16, Co-0.023, Cu-0.024, Al-0.01, Ti-0.002, V-0.023, Nb-0.106, Fe-Bal
6	09X16H4B	Round	180	1250		248	C-0.108, S-0.003, P-0.012, Si-0.35, Mn-0.34, Cr-15.75, Ni-4.33, Mo-0.12, CO-0.022, Cu-0.015, Al-0.025, Ti-0.002, V-0.025, Nb-0.105, Fe-Bal
7	12X18H10T	Round	90	1560		77	C-0.076, Si-0.50, Mn-1.56, Cr-18.43, Ni-10.26, Ti-0.66, Fe-Bal
8	12X18H10T	Round	20			236	C-0.091, S-0.006, P-0.027, Si-0.56, Mn-0.98, Cr-17.58, Ni-10.01, Mo-0.16, Co-0.061, Cu-0.042, Al-0.090, Ti-0.61, V-0.041, Nb-0.022, Fe-Bal
9	12X18H10T	Round	180	2100		417	C-0.10, Mn-1.21, Si-0.64, Cr-17.50, Ni-10.35, Ti-0.77, Fe-Bal

<b>10</b>	12X2H4AW	Round	50	1600		25	C-0.136, Si-0.29, Mn-0.53, Ni-3.55, Cr-1.51, V-0.01, Fe-Bal
<b>11</b>	12X2H4AW	Round	60	1920		42	C-0.136, Si-0.29, Mn-0.55, Ni-3.55, Cr-1.51, V-0.01, Fe-Bal
<b>12</b>	14X17H2	Round	60	700		15	C-0.154, Mn-0.53, Si-0.60, Ni-1.99, Cr-17.13, Cu-0.036, Fe-Bal
<b>13</b>	15CDV6	Round	20			158	C-0.30, Mn-0.92, Si-0.22, Cr-1.44, Mo-0.88, V-0.27, Nb-0.10, Fe-Bal
<b>14</b>	30KHGSA (30XGCN2A)	Round	22			176	C-0.311, S-0.008, P-0.008, Si-1.08, Mn-1.04, Cr-1.06, Ni-1.61, Mo-0.044, Co-0.094, Cu-0.010, Al-0.040, Ti-0.01, V-0.003, Nb-0.003, Fe-Bal
<b>15</b>	AB2PK	Round	60			138	C-0.13, Mn-0.40, Si-0.30, Cr-0.89, Ni-3.10, Mo-0.34, V-0.04, Cu-0.70, Fe-Bal
<b>16</b>	AB2PK	Round	52			86	C-0.143, S-0.008, P-0.012, Si-0.28, Mn-0.33, Cr-1.00, Ni-2.95, Mo-0.36, Co-0.013, Cu-0.70, Al, 0.022, Ti-0.002, V-0.034, Nb-0.002, Fe-Bal
<b>17</b>	AE 961W	Round	125	630		60	C-0.134, Mo-0.43, Si-0.57, Cr-11.40, Ni-1.63, Mn-0.68, W-1.66, V-0.21, Fe-Bal
<b>18</b>	AE 961W	Round	100	1450		89	C-0.134, Mo-0.43, Si-0.57, Cr-11.40, Ni-1.63, Mn-0.68, W-1.66, V-0.21, Fe-Bal
<b>19</b>	BT-3-1	Round	210	470		73	C-0.008, Al-6.34, Mo-2.38, Fe-0.38, Ti-Bal
<b>20</b>	MDN 11-10PH	Round	62	1800		42	C-0.017, S-0.004, P-0.005, Si-0.28, Mn-0.35, Cr-11.22, Ni-8.46, Mo-2.44, Co-0.01, Cu-0.01, Al-0.020, Ti-0.002, V-0.30, Nb-0.002, Fe-Bal
<b>21</b>	MDN 11-10PH	Round	62	1400		33	C-0.017, S-0.004, P-0.005, Si-0.28, Mn-0.35, Cr-11.22, Ni-8.46, Mo-2.44, Co-0.01, Cu-0.01, Al-0.020, Ti-0.002, V-0.30, Nb-0.002, Fe-Bal
<b>22</b>	MDN 11-10PH	Round	62	1170		28	C-0.017, S-0.004, P-0.005, Si-0.28, Mn-0.35, Cr-11.22, Ni-8.46, Mo-2.44, Co-0.01, Cu-0.01, Al-0.020, Ti-0.002, V-0.30, Nb-0.002, Fe-Bal

<b>23</b>	MDN 12-10PH	Round	100	1260		77	C-0.027, Mn-0.03, Si-0.03, Mo-0.71, Cr-12.17, Ni-9.65, Ti-0.21, Fe-Bal
<b>24</b>	MDN 12-10PH	Round	100	1260		77	C-0.027, Mn-0.03, Si-0.03, Mo-0.71, Cr-12.17, Ni-9.65, Ti-0.21, Fe-Bal
<b>25</b>	MDN 12-10PH	Round	100	1370		84	C-0.027, Mn-0.03, Si-0.03, Mo-0.71, Cr-12.17, Ni-9.65, Ti-0.21, Fe-Bal
<b>26</b>	MDN 12-10PH	Round	100	1310		80	C-0.027, Mn-0.03, Si-0.03, Mo-0.71, Cr-12.17, Ni-9.65, Ti-0.21, Fe-Bal
<b>27</b>	MDN 12X2H4MAW	Round	80	1100		43	C-0.15, Si-0.34, Mn-0.54, Ni-3.47, Cr-1.68, Fe-Bal
<b>28</b>	MDN 138	Round	80	1000		39	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal
<b>29</b>	MDN 138	Round	80	1000		39	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal
<b>30</b>	MDN 138	Round	80	1280		50	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal
<b>31</b>	MDN 138	Round	80	1300		51	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal
<b>32</b>	MDN 138	Round	80	1250		49	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal
<b>33</b>	MDN 138	Round	80	1250		49	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal
<b>34</b>	MDN 138	Round	80	1190		47	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal

35	MDN 138	Round	80	1320		52	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal
36	MDN 138	Round	80	1420		56	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal
37	MDN 138	Round	80	1150		45	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal
38	MDN 138	Round	80	1300		51	C-0.014, S-0.002, P-0.004, Si-0.027, Mn-0.01, Cr-12.51, Ni-8.17, Mo-2.08, Co-0.01, Cu-0.01, Al-0.93, Ti-0.003, V-0.003, Nb-0.010, Fe-Bal
39	MDN 138	Round	160	1750		274	C-0.03, Mn-0.01, Si-0.03, Cr-12.56, Ni-8.41, Mo-2.12, Al-0.92, Fe-Bal
40	MDN 138	Round	160	1260		198	C-0.03, Mn-0.01, Si-0.03, Cr-12.56, Ni-8.41, Mo-2.12, Al-0.92, Fe-Bal
41	MDN 138	Round	160	1260		198	C-0.03, Mn-0.01, Si-0.03, Cr-12.56, Ni-8.41, Mo-2.12, Al-0.92, Fe-Bal
42	MDN 15-5PH	Round	150	1120		154	C-0.051, S-0.009, P-0.018, Si-0.45, Mn-0.50, Cr-15.29, Ni-5.12, Mo-0.040, Co-0.053, Cu-3.41, Al-0.025, Ti-0.005, V-0.026, Nb-0.173, Fe-Bal
43	MDN 15-5PH	Round	150	1120		154	C-0.051, S-0.009, P-0.018, Si-0.45, Mn-0.50, Cr-15.29, Ni-5.12, Mo-0.040, Co-0.053, Cu-3.41, Al-0.025, Ti-0.005, V-0.026, Nb-0.173, Fe-Bal
44	MDN 15-5PH	Round	150	1120		154	C-0.051, S-0.009, P-0.018, Si-0.45, Mn-0.50, Cr-15.29, Ni-5.12, Mo-0.040, Co-0.053, Cu-3.41, Al-0.025, Ti-0.005, V-0.026, Nb-0.173, Fe-Bal
45	MDN 15-5PH	Round	150	1120		154	C-0.051, S-0.009, P-0.018, Si-0.45, Mn-0.50, Cr-15.29, Ni-5.12, Mo-0.040, Co-0.053, Cu-3.41, Al-0.025, Ti-0.005, V-0.026, Nb-0.173, Fe-Bal

46	MDN 15-5PH	Round	150	1210		167	C-0.051, S-0.009, P-0.018, Si-0.45, Mn-0.50, Cr-15.29, Ni-5.12, Mo-0.040, Co-0.053, Cu-3.41, Al-0.025, Ti-0.005, V-0.026, Nb-0.173, Fe-Bal
47	MDN 15-5PH	Round	220	825		244	C-0.041, Mn-0.49, Si-0.50, Cr-14.83, Ni-4.57, Cb+Ta-0.27, Cu-2.95, Fe-Bal
48	MDN 15-5PH	Round	220	1000		296	C-0.041, Mn-0.49, Si-0.50, Cr-14.83, Ni-4.57, Cb+Ta-0.27, Cu-2.95, Fe-Bal
49	MDN 202	Round	80	1280		50	C-0.05, Mn-6.23, Si-0.24, Cr-19.64, Ni-6.39, Fe-Bal
50	MDN 202	Round	80	1340		53	C-0.05, Mn-6.23, Si-0.24, Cr-19.64, Ni-6.39, Fe-Bal
51	MDN 301	Round	80	1630		64	C-0.05, Mn-0.43, Si-0.43, Cr-17.76, Ni-6.43, Fe-Bal
52	MDN 301	Round	80	1330		52	C-0.05, Mn-0.43, Si-0.43, Cr-17.76, Ni-6.43, Fe-Bal
53	MDN 301	Round	100	1290		79	C-0.080, S-0.009, P-0.018, Si-0.38, Mn-0.63, Cr-16.67, Ni-5.72, Mo-0.021, Co-0.012, Cu-0.012, Al-0.002, Ti-0.002, V-0.022, Nb-0.010, Fe-Bal
54	MDN 301	Round	80	1300		51	C-0.080, S-0.009, P-0.018, Si-0.38, Mn-0.63, Cr-16.67, Ni-5.72, Mo-0.021, Co-0.012, Cu-0.012, Al-0.002, Ti-0.002, V-0.022, Nb-0.010, Fe-Bal
55	MDN 301	Rectangular slab	50	90	780	27	C-0.080, S-0.009, P-0.018, Si-0.38, Mn-0.63, Cr-16.67, Ni-5.72, Mo-0.021, Co-0.012, Cu-0.012, Al-0.002, Ti-0.002, V-0.022, Nb-0.010, Fe-Bal
56	MDN 301	Rectangular slab	50	90	780	27	C-0.080, S-0.009, P-0.018, Si-0.38, Mn-0.63, Cr-16.67, Ni-5.72, Mo-0.021, Co-0.012, Cu-0.012, Al-0.002, Ti-0.002, V-0.022, Nb-0.010, Fe-Bal
57	MDN 301	Round	80	1330		52	C-0.080, S-0.009, P-0.018, Si-0.38, Mn-0.63, Cr-16.67, Ni-5.72, Mo-0.021, Co-0.012, Cu-0.012, Al-0.002, Ti-0.002, V-0.022, Nb-0.010, Fe-Bal

58	MDN 301	Round	100	1280		78	C-0.080, S-0.009, P-0.018, Si-0.38, Mn-0.63, Cr-16.67, Ni-5.72, Mo-0.021, Co-0.012, Cu-0.012, Al-0.002, Ti-0.002, V-0.022, Nb-0.010, Fe-Bal
59	MDN 301	Rectangular slab	50	100	830	32	C-0.080, S-0.009, P-0.018, Si-0.38, Mn-0.63, Cr-16.67, Ni-5.72, Mo-0.021, Co-0.012, Cu-0.012, Al-0.002, Ti-0.002, V-0.022, Nb-0.010, Fe-Bal
60	MDN 301	Rectangular slab	50	80	800	25	C-0.080, S-0.009, P-0.018, Si-0.38, Mn-0.63, Cr-16.67, Ni-5.72, Mo-0.021, Co-0.012, Cu-0.012, Al-0.002, Ti-0.002, V-0.022, Nb-0.010, Fe-Bal
61	MDN 301	Round	75	1000		34	C-0.055, S-0.004, P-0.015, Si-0.48, Mn-0.47, Cr-16.95, Ni-7.66, Mo-0.064, Co-0.054, Cu-0.09, Al-0.002, Ti-0.006, V-0.029, Nb-0.008, Fe-Bal
62	MDN 301	Round	100	1500		92	C-0.070, S-0.003, P-0.010, Si-0.40, Mn-0.30, Cr-17.12, Ni-6.67, Mo-0.01, Co-0.012, Cu-0.010, Al-0.003, Ti-0.002, V-0.019, Nb-0.002, Fe-Bal
63	MDN 304L	Round	150	1800		319	C-0.027, Mn-1.67, Si-0.24, Cr-18.69, Ni-9.68, Fe-Bal
64	MDN 304L	Round	135	1400		156	C-0.02, Mn-1.88, Si-0.28, Cr-19.11, Ni-9.81, Fe-Bal
65	MDN 30CR13	Round	110	1490		110	C-0.302, S-0.003, P-0.025, Si-0.44, Mn-0.58, Cr-13.21, Ni-0.43, Mo-0.059, Co-0.029, Cu-0.057, Al-0.01, Ti-0.002, V-0.018, Nb-0.002, Fe-Bal
66	MDN 316	Round	40	1100		11	C-0.052, S-0.005, P-0.013, Si-0.49, Mn-1.45, Cr-16.57, Ni-12.12, Mo-2.13, Co-0.035, Cu-0.042, Al-0.011, Ti-0.025, V-0.022, Nb-0.022, Fe-Bal
67	MDN 316Ti	Round	80	1200		47	C-0.06, Mn-0.97, Si-0.48, Cr-17.88, Ni-10.57, Mo-2.40, Ti-0.38, Fe-Bal
68	MDN 347A	Round	60			85	C-0.058, Si-0.51, Mn-1.46, Cr-17.50, Ni-8.53, Nb-0.72, Mo-0.14, Fe-Bal
69	MDN 347A	Round	30	3000		23	C-0.040, Si-0.52, Mn-1.39, Cr-17.67, Ni-8.20, Nb-0.60, Mo-0.01, Fe-Bal

<b>70</b>	MDN 347A	Round	85	1610		71	C-0.05, Si-0.57, Mn-1.45, Cr-17.46, Ni-8.45, Nb-0.63, Mo-0.18, Fe-Bal
<b>71</b>	MDN 347A	Round	90	1005		50	C-0.072, S-0.004, P-0.024, Si-0.67, Mn-1.58, Cr-18.01, Ni-8.82, Mo-0.11, Co-0.042, Cu-0.043, Al-0.022, Ti-0.004, V-0.029, Nb-0.89, Fe-Bal
<b>72</b>	MDN 347A	Round	65	1780		46	C-0.057, Si-0.49, Mn-1.51, Cr-18.32, Ni-8.07, Nb-0.73, Fe-Bal
<b>73</b>	MDN 347A	Round	65	1900		49	C-0.059, S-0.005, P-0.012, Si-0.58, Mn-1.48, Cr-18.84, Ni-8.35, Mo-0.004, Co-0.018, Cu-0.018, Al-0.015, Ti-0.003, V-0.021, Nb-0.059, Fe-Bal
<b>74</b>	MDN 347MN	Round	180	1950		387	C-0.039, Mn-1.72, Si-0.38Cr-17.44, Ni-12.10, Mo-2.42, Nb-0.55, Fe-Bal
<b>75</b>	MDN 347MN	Rectangular slab	145	115	250	33	C-0.028, S-0.002, P-0.009, Si-0.37, Mn-1.70, Cr-17.34, Ni-12.19, Mo-2.56, Co-0.011, Cu-0.031, Al-0.018, Ti-0.003, V-0.021, Nb-0.054, Fe-Bal
<b>76</b>	MDN 347MN	Rectangular slab	145	115	250	33	C-0.028, S-0.002, P-0.009, Si-0.37, Mn-1.70, Cr-17.34, Ni-12.19, Mo-2.56, Co-0.011, Cu-0.031, Al-0.018, Ti-0.003, V-0.021, Nb-0.054, Fe-Bal
<b>77</b>	MDN 347MN	Rectangular slab	145	115	250	33	C-0.028, S-0.002, P-0.009, Si-0.37, Mn-1.70, Cr-17.34, Ni-12.19, Mo-2.56, Co-0.011, Cu-0.031, Al-0.018, Ti-0.003, V-0.021, Nb-0.054, Fe-Bal
<b>78</b>	MDN 347MN	Rectangular slab	145	115	250	33	C-0.028, S-0.002, P-0.009, Si-0.37, Mn-1.70, Cr-17.34, Ni-12.19, Mo-2.56, Co-0.011, Cu-0.031, Al-0.018, Ti-0.003, V-0.021, Nb-0.054, Fe-Bal
<b>79</b>	MDN 347MN	Rectangular slab	145	115	250	33	C-0.028, S-0.002, P-0.009, Si-0.37, Mn-1.70, Cr-17.34, Ni-12.19, Mo-2.56, Co-0.011, Cu-0.031, Al-0.018, Ti-0.003, V-0.021, Nb-0.054, Fe-Bal
<b>80</b>	MDN 347MN	Rectangular slab	145	115	250	33	C-0.028, S-0.002, P-0.009, Si-0.37, Mn-1.70, Cr-17.34, Ni-12.19, Mo-2.56, Co-0.011, Cu-0.031, Al-0.018, Ti-0.003, V-0.021, Nb-0.054, Fe-Bal



<b>81</b>	MDN 347MN	Rectangular slab	145	115	250	33	C-0.028, S-0.002, P-0.009, Si-0.37, Mn-1.70, Cr-17.34, Ni-12.19, Mo-2.56, Co-0.011, Cu-0.031, Al-0.018, Ti-0.003, V-0.021, Nb-0.054, Fe-Bal
<b>82</b>	MDN 347MN	Round	90	1610		80	C-0.059, S-0.005, P-0.012, Si-0.58, Mn-1.48, Cr-18.84, Ni-8.35, Mo-0.004, Co-0.018, Cu-0.018, Al-0.015, Ti-0.003, V-0.021, Nb-0.059, Fe-Bal
<b>83</b>	MDN 347MN	Round	90	1520		75	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>84</b>	MDN 347MN	Round	90	1800		89	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>85</b>	MDN 347MN	Round	90	1670		83	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>86</b>	MDN 347MN	Round	90	1650		82	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>87</b>	MDN 347MN	Round	90	1640		81	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>88</b>	MDN 347MN	Round	90	1640		81	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>89</b>	MDN 347MN	Round	90	1530		76	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>90</b>	MDN 347MN	Round	90	1660		82	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal

<b>91</b>	MDN 347MN	Round	90	1730		86	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>92</b>	MDN 347MN	Round	90	1690		84	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>93</b>	MDN 347MN	Round	90	1630		81	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>94</b>	MDN 347MN	Round	90	1520		75	C-0.087, S-0.003, P-0.011, Si-0.34, Mn-1.70, Cr-17.25, Ni-11.94, Mo-2.53, Co-0.01, Cu-0.033, Al-0.01, Ti-0.002, V-0.023, Nb-0.039, Fe-Bal
<b>95</b>	MDN 347MN	Round	120	1070		94	C-0.045, S-0.003, P-0.009, Si-0.32, Mn-1.79, Cr-17.43, Ni-11.93, Mo-2.54, Co-0.01, Cu-0.031, Al-0.012, Ti-0.003, V-0.023, Nb-0.052, Fe-Bal
<b>96</b>	MDN 347MN	Round	120	1580		139	C-0.045, S-0.003, P-0.009, Si-0.32, Mn-1.79, Cr-17.43, Ni-11.93, Mo-2.54, Co-0.01, Cu-0.031, Al-0.012, Ti-0.003, V-0.023, Nb-0.052, Fe-Bal
<b>97</b>	MDN 420	Round	50			62	C-0.235, Mn-0.50, Si-0.48, Cr-13.33, Cu-0.02, Fe-Bal
<b>98</b>	MDN 430	Round	35			61	C-0.09, Mn-0.78, Si-0.50, Cr-16.71, Ni-0.58, Mo-0.01, Fe-Bal
<b>99</b>	MDN 431A	Round	25			84	C-0.16, Mn-0.57, Si-0.49, Cr-16.85, Ni-2.64, Fe-Bal
<b>100</b>	MDN 4340A	Round	63	1300		34	C-0.40, Mn-0.76, Si-0.26, Mo-0.25, Ni-1.84, Cu-0.02, Fe-Bal
<b>101</b>	MDN 440C	Round	80	1030		40	C-0.95, Mn-0.51, Si-0.44, Mo-0.64, Cr-17.29, Fe-Bal
<b>102</b>	MDN 440C	Round	80	1160		45	C-1.08, S-0.005, P-0.008, Si-0.48, Mn-0.61, Cr-16.61, Ni-0.025, Mo-0.52, Co-0.01, Cu-0.01, Al-0.011, Ti-0.002, V-0.01, Nb-0.007, Fe-Bal

<b>103</b>	MDN 465	Round	100	1220		75	C-0.015, S- <0.01, P-0.004, Si-0.043, Mn-0.01, Cr-11.85, Ni-10.99, Mo-0.94, Co-0.038, Cu-0.01, Al-0.034, Ti-1.53, V-0.01, Nb-0.034, Fe-Bal
<b>104</b>	MDN 465	Round	100	1220		75	C-0.015, S- <0.01, P-0.004, Si-0.043, Mn-0.01, Cr-11.85, Ni-10.99, Mo-0.94, Co-0.038, Cu-0.01, Al-0.034, Ti-1.53, V-0.01, Nb-0.034, Fe-Bal
<b>105</b>	MDN 465	Round	100	1220		75	C-0.015, S- <0.01, P-0.004, Si-0.043, Mn-0.01, Cr-11.85, Ni-10.99, Mo-0.94, Co-0.038, Cu-0.01, Al-0.034, Ti-1.53, V-0.01, Nb-0.034, Fe-Bal
<b>106</b>	MDN 465	Round	100	1220		75	C-0.015, S- <0.01, P-0.004, Si-0.043, Mn-0.01, Cr-11.85, Ni-10.99, Mo-0.94, Co-0.038, Cu-0.01, Al-0.034, Ti-1.53, V-0.01, Nb-0.034, Fe-Bal
<b>107</b>	MDN 465	Round	100	1220		75	C-0.015, S- <0.01, P-0.004, Si-0.043, Mn-0.01, Cr-11.85, Ni-10.99, Mo-0.94, Co-0.038, Cu-0.01, Al-0.034, Ti-1.53, V-0.01, Nb-0.034, Fe-Bal
<b>108</b>	MDN 465	Round	100	1160		71	C-0.015, S- <0.01, P-0.004, Si-0.043, Mn-0.01, Cr-11.85, Ni-10.99, Mo-0.94, Co-0.038, Cu-0.01, Al-0.034, Ti-1.53, V-0.01, Nb-0.034, Fe-Bal
<b>109</b>	MDN 504	Round	27			15	C-0.13, Mn-0.51, Si-0.47, Cr-21.06, Ni-5.47, Ti-0.46, Al-0.03, Fe-Bal
<b>110</b>	MDN 59	Round	200	1220		299	C-0.05, Mn-0.75, Si-0.50, Cr-14.00, Ni-5.40, Mo-1.50, Cu-1.50, Nb-0.20, Fe-Bal
<b>111</b>	MDN 59	Round	130	500		52	C-0.06, Mn-0.68, Si-0.30, Cr-13.60, Ni-5.30, Mo-1.60, Cu-1.60, Nb-0.30, Fe-Bal
<b>112</b>	MDN 59	Round	125	1160		111	C-0.05, Mn-0.71, Si-0.43, Cr-13.89, Ni-5.44, Mo-1.64, Cu-1.63, Nb-0.38, Fe-Bal
<b>113</b>	MDN 59	Round	125	850		81	C-0.05, Mn-0.71, Si-0.43, Cr-13.89, Ni-5.44, Mo-1.64, Cu-1.63, Nb-0.38, Fe-Bal
<b>114</b>	MDN 59	Round	180	1380		274	C-0.04, Mn-0.54, Si-0.62, Cr-13.98, Ni-5.27, Mo-1.50, Cu-1.67, Nb-0.30, Fe-Bal

115	MDN 6758A	Round	25.4	2500		10	C-0.33, Si-0.35, Mn-0.51, Cr-1.10, Mo-0.19, Ni-0.03, Cu-0.01, Fe-Bal
116	MDN 6758A	Round	25.4	2700		11	C-0.33, Si-0.35, Mn-0.51, Cr-1.10, Mo-0.19, Ni-0.03, Cu-0.01, Fe-Bal
117	MDN 6758A	Round	25.4	2800		11	C-0.33, Si-0.35, Mn-0.51, Cr-1.10, Mo-0.19, Ni-0.03, Cu-0.01, Fe-Bal
118	SUPERFER 861	Round	100	2500		157	C-0.04, Si-0.49, Mn-1.20, Cr-12.51, Ni-35.37, Ti-2.85, Al-0.97, Fe-Bal
119	SUPERFER 861	Round	100	1900		116	C-0.04, Si-0.49, Mn-1.20, Cr-12.51, Ni-35.37, Ti-2.85, Al-0.97, Fe-Bal
120	SUPERFER 861	Round	100	1880		114	C-0.032, S- 0.003, P-0.005, Si-0.50, Mn-1.25, Cr-12.38, Ni-35.54, Mo-0.01, Co-0.002, Cu-0.01, Al-1.09, Ti-2.81, V-0.01, Nb-0.017, Fe-Bal
121	SUPERNI 718A	Rectangular slab	50	100	1060	42	C-0.027, Mn-0.04, Si-0.04, Cr-17.81, Ni-52.95, Mo-2.96, Cb+Ta-5.15, Ti-1.01, Fe-Bal
122	SUPERNI 80A	Round	160	1160		186	C-0.052, S- 0.006, P-0.006, Si-0.24, Mn-0.25, Cr-18.73, Ni-Bal, Mo-0.018, Co-0.027, Cu-0.01, Al-1.27, Ti-2.43, V-0.018, Nb-0.018, Fe-0.10, B-0.004
123	TITAN 24	Round	142	500		36	C-0.006, Al-2.24, Zr-2.56, Ti-Bal
124	TITAN 31	Round	150	1000		79	C-0.013, Fe-0.04, V-4.0, Al-6.29, Ti-Bal
125	TITAN 31	Round	100	390		14	C-0.013, V-4.04, Al-6.28, Fe-0.03, Ti-Bal
126	TITAN 31	Round	150	830		66	C-0.014, Si-0.015, Al-6.37, V-3.75, Fe-0.082, Ti-Bal
127	TITAN 31	Rectangular slab	120	175	140	13	C-0.013, Si-0.013, Al-6.23, V-3.95, Fe-0.08, Ti-Bal
128	TITAN 31	Rectangular slab	55	135	260	9	C-0.012, Al-6.19, V-4.01, Fe-0.06, Ti-Bal
129	TITAN 31	Round	120	2540		129	C-0.01, Si-0.011, Al-5.90, V-4.23, Fe-0.061, Ti-Bal
130	TITAN 31A	Rectangular slab	120	175	140	13	C-0.013, Si-0.013, Al-6.23, V-3.95, Fe-0.08, Ti-Bal
131	TITAN 31A	Rectangular slab	120	175	140	13	C-0.013, Si-0.013, Al-6.23, V-3.95, Fe-0.08, Ti-Bal
132	TITAN 31A	Rectangular slab	120	175	140	13	C-0.013, Si-0.013, Al-6.23, V-3.95, Fe-0.08, Ti-Bal
133	TITAN 31A	Rectangular slab	120	175	140	13	C-0.013, Si-0.013, Al-6.23, V-3.95, Fe-0.08, Ti-Bal

134	TITAN 31A	Rectangular slab	120	175	140	13	C-0.013, Si-0.013, Al-6.23, V-3.95, Fe-0.08, Ti-Bal
135	TITAN 31A	Rectangular slab	120	175	140	13	C-0.012, Si-0.014, Al-6.25, V-4.02, Fe-0.083, Ti-Bal
136	TITAN 31A	Rectangular slab	120	175	140	13	C-0.012, Si-0.014, Al-6.25, V-4.02, Fe-0.083, Ti-Bal
137	TITAN 31A	Rectangular slab	120	175	140	13	C-0.012, Si-0.010, Al-6.21, V-4.18, Fe-0.05, Ti-Bal
138	TITAN 31A	Rectangular slab	120	175	140	13	C-0.012, Si-0.010, Al-6.21, V-4.18, Fe-0.05, Ti-Bal
139	TITAN 31A	Rectangular slab	120	175	140	13	C-0.012, Si-0.010, Al-6.21, V-4.18, Fe-0.05, Ti-Bal
140	TITAN 31A	Rectangular slab	120	175	140	13	C-0.012, Si-0.010, Al-6.21, V-4.18, Fe-0.05, Ti-Bal
141	TITAN 31A	Rectangular slab	120	175	140	13	C-0.012, Si-0.010, Al-6.21, V-4.18, Fe-0.05, Ti-Bal
142	TITAN 31A	Rectangular slab	95	140	1200	72	C-0.012, Si-0.012, Al-5.96, V-3.72, Fe-0.047, Ti-Bal
143	TITAN 31A	Rectangular slab	95	140	1200	72	C-0.012, Si-0.012, Al-5.96, V-3.72, Fe-0.047, Ti-Bal
144	TITAN 31A	Round	225	340		61	C-0.012, Si-0.01, Al-6.24, V-3.77, Fe-0.031, Ti-Bal
145	TITAN 31C	Round	120	630		32	C-0.016, Al-6.30, V-4.02, Fe-0.06, Ti-Bal
146	TITAN 32	Round	100	1140		70	C-0.005, Si-0.002, Al-3.51, V-2.47, Fe-0.16, Ti-Bal
147	TITAN 32	Round	75	1250		25	C-0.005, Si-0.002, Al-3.51, V-2.47, Fe-0.16, Ti-Bal

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