CHROME-PLATED BARS

Dia. (In.)	Wt./Ft.	Micro-Alloyed or Cold Drawn			ASTM A-311 Cold Drawn			
		Chrome-Plated Only 75,000 psi Yield AISI 1045, 1050 .0005" Thickness	Chrome-Plated Only 75,000 psi Yield AISI 1045, 1050 .0010" Thickness	Induction Hardened Chrome-Plated 75,000 psi Yield AISI 1045, 1050 .0005" Thickness	Chrome-Plated Only 100,000 psi Yield AISI 1045, 1050 .0005"Thickness	Chrome-Plated Only 100,000 psi Yield AISI 1045, 1050 .0010" Thickness	Induction Hardened Chrome-Plated 100,000 psi Yield AISI 1045, 1050 .0005" Thickness	Induction Hardened Chrome-Plated 100,000 psi Yield AISI 1045, 1050 .0010" Thickness
1/2	.668	•	—	—	—	—	—	—
5/8	1.043	•	—	—	—	—	•	—
3/4	1.502	•	•	—	•	—	•	•
7/8	2.040	•	—	•	—	—	—	—
1	2.670	•	•	—	•	—	•	•
1-1/8	3.380	•	—	—	•	—	—	•
1-1/4	4.172	•	•	•	•	—	•	•
1-3/8	5.049	•	—	—	•	•	•	•
1-1/2	6.008	•	•	•	•	—	•	•
1-5/8	7.050	•	—	—	—	—	—	—
1-3/4	8.178	•	•	—	•	•	•	•
2	10.680	•	•	—	•	•	—	•
2-1/8	12.060	—	—	—	—	—	—	•
2-1/4	13.520	•	•	—	•	—	•	•
2-1/2	16.690	•	•	—	•	•	—	•
2-3/4	20.190	•	•	—	•	—	—	•
3	24.030	•	•	—	•	—	•	•
3-1/4	28.200	•	—	—	•	—	—	•
3-1/2	32.710	•	•	—	•	—	—	•
3-3/4	37.550	—	—	—	—	—	•	•
4	42.730	•	•	—	•	—	•	•
4-1/4	48.230	—	—	—	—	—	—	•
4-1/2	54.080	•	—	—	•	—	—	•

Dia. (In.)	Wt./Ft.	HOT FINISHED		
		Chrome-Plated Only 50,000 psi Yield AISI 1040 .0005" Thick	Induction Hardened Chrome-Plated 50,000 psi Yield AISI 1040 .0005" Thick	Induction Hardened Chrome-Plated 75,000 psi Yield AISI 1045 .0005" Thick
5	66.760	•	—	•
6	96.130	—	•	—

METRIC CHROME-PLATED BARS

Dia. (mm)	Equiv. Inch	Wt./Ft.	Micro-Alloyed: Chrome-Plated Only 75,000 psi Yield .0005" Thickness	Micro-Alloyed: Induction Hardened Chrome-Plated 75,000 psi Yield .0005" Thickness	ASTM A-311 Cold Drawn: Chrome-Plated Only 100,000 psi Yield AISI 1045/1050 .0010" Thickness	ASTM A-311 Cold Drawn: Induction Hardened Chrome-Plated 100,000 psi Yield AISI 1045/1050 .0010" Thickness
35	1.378	5.070	—	—	—	•
40	1.575	6.623	—	—	•	•
45	1.772	8.384	—	—	•	•
50	1.969	10.351	—	—	•	•
56	2.205	12.981	—	—	—	•
60	2.362	14.896	—	—	—	•
65	2.559	17.484	—	—	•	•
70	2.756	20.280	—	—	•	•
75	2.953	23.251	—	—	•	•
80	3.150	26.493	—	—	•	•
85	3.346	29.892	—	—	—	•
90	3.543	33.517	—	—	•	•
95	3.740	37.350	—	—	•	•
100	3.937	41.385	—	—	•	•
105	4.134	45.730	—	—	—	•
110	4.331	50.083	—	—	—	•

NitroSteel®

Registered to Quanex
Bars A.I.S.I. 1045 micro-alloy
75,000 psi minimum Yield

Dia. (In.)	Wt./Ft.(lbs.)	Dia. (In.)	Wt./Ft.(lbs.)	Dia. (In.)	Wt./Ft.(lbs.)
1/2"	.668	1-1/4"	4.172	2-1/2"	16.690
5/8"	1.043	1-3/8"	5.049	3"	24.030
3/4"	1.502	1-1/2"	6.008	3-1/2"	32.710
1"	2.670	1-3/4"	8.178	4"	42.730
1-1/8"	3.380	2"	10.680		

NOTE: The manufacturer suggests that the best procedure for cross drilling is to remove the hardened layer prior to cross drilling so that the edges of the hole only have base metal hardness present.