



Surcharge List - November 2023 Data

Effective Nov. 1, 2023 through Nov. 30, 2023

Published October 11, 2023

(\$/CWT)

Scrap Surcharge:
\$14.583/ CWT

Energy Surcharge:
Bar- \$0.00 Tube - \$0.00
*Not included in Total below

Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
1010	14.583	0.138	0.000	0.000	0.000	0.000	0.138	14.721
1015	14.583	0.138	0.000	0.000	0.000	0.000	0.138	14.721
1018	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1020	14.583	0.138	0.000	0.000	0.000	0.000	0.138	14.721
1022	14.583	0.260	0.000	0.000	0.000	0.000	0.260	14.843
1025	14.583	0.138	0.000	0.000	0.000	0.000	0.138	14.721
1026	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1028	14.583	0.284	0.000	0.000	0.000	0.000	0.284	14.867
1029	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1030	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1035	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1038	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1040	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1042	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1043	14.583	0.260	0.000	0.000	0.000	0.000	0.260	14.843
1045	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1050	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1053	14.583	0.260	0.000	0.000	0.000	0.000	0.260	14.843
1055	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1060	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1080	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1090	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1117	14.583	0.352	0.000	0.000	0.000	0.000	0.352	14.935
1137	14.583	0.459	0.000	0.000	0.000	0.000	0.459	15.042
1141	14.583	0.459	0.000	0.000	0.000	0.000	0.459	15.042
1144	14.583	0.459	0.000	0.000	0.000	0.000	0.459	15.042
1340	14.583	0.535	0.000	0.000	0.000	0.000	0.535	15.118
1516	14.583	0.436	0.000	0.000	0.000	0.000	0.436	15.019
1522	14.583	0.382	0.000	0.000	0.000	0.000	0.382	14.965
1552	14.583	0.413	0.000	0.000	0.000	0.000	0.413	14.996
1566	14.583	0.306	0.000	0.000	0.000	0.000	0.306	14.889
3310	14.583	27.214	3.686	23.368	0.000	0.000	0.161	41.797
3311	14.583	26.883	3.393	23.368	0.000	0.000	0.122	41.466
4023	14.583	7.000	0.000	0.000	6.756	0.000	0.245	21.583
4027	14.583	7.000	0.000	0.000	6.756	0.000	0.245	21.583
4118	14.583	4.522	1.170	0.000	3.108	0.000	0.245	19.105
4120	14.583	5.950	1.170	0.000	4.459	0.000	0.321	20.533
4121	14.583	8.310	1.287	0.000	6.756	0.000	0.268	22.893
4130	14.583	7.780	2.223	0.000	5.404	0.000	0.153	22.363
4135	14.583	7.872	2.223	0.000	5.404	0.000	0.245	22.455
4140	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4142	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4145	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4150	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4319	14.583	19.960	1.170	11.851	6.756	0.000	0.183	34.543



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
4320	14.583	20.278	1.170	12.185	6.756	0.000	0.168	34.861
4340	14.583	21.034	1.872	12.185	6.756	0.000	0.222	35.617
4350	14.583	20.924	1.755	12.185	6.756	0.000	0.229	35.507
4619	14.583	19.810	0.702	12.185	6.756	0.000	0.168	34.393
4715	14.583	21.393	1.287	5.675	14.187	0.000	0.245	35.976
4820	14.583	30.307	0.000	23.368	6.756	0.000	0.183	44.890
5046	14.583	0.911	0.644	0.000	0.000	0.000	0.268	15.494
5060	14.583	1.438	1.170	0.000	0.000	0.000	0.268	16.021
5120	14.583	2.117	1.872	0.000	0.000	0.000	0.245	16.700
5130	14.583	2.468	2.223	0.000	0.000	0.000	0.245	17.051
5135	14.583	2.379	2.165	0.000	0.000	0.000	0.214	16.962
5150	14.583	2.117	1.872	0.000	0.000	0.000	0.245	16.700
5160	14.583	2.140	1.872	0.000	0.000	0.000	0.268	16.723
5165	14.583	2.140	1.872	0.000	0.000	0.000	0.268	16.723
5219	14.583	1.918	1.521	0.000	0.000	0.000	0.397	16.501
6150	14.583	4.172	2.223	0.000	0.000	1.704	0.245	18.755
8019	14.583	4.427	1.346	0.000	2.837	0.000	0.245	19.010
8119	14.583	7.423	1.404	2.170	3.513	0.000	0.336	22.006
8219	14.583	7.731	1.404	2.170	3.783	0.000	0.375	22.314
8319	14.583	8.812	1.404	2.170	4.864	0.000	0.375	23.395
8617	14.583	10.491	1.170	3.672	5.404	0.000	0.245	25.074
8620	14.583	10.491	1.170	3.672	5.404	0.000	0.245	25.074
8625	14.583	10.491	1.170	3.672	5.404	0.000	0.245	25.074
8630	14.583	10.491	1.170	3.672	5.404	0.000	0.245	25.074
8640	14.583	10.514	1.170	3.672	5.404	0.000	0.268	25.097
8740	14.583	11.865	1.170	3.672	6.756	0.000	0.268	26.448
8822	14.583	14.567	1.170	3.672	9.458	0.000	0.268	29.150
9260	14.583	0.268	0.000	0.000	0.000	0.000	0.268	14.851
9310	14.583	27.782	2.808	21.699	3.108	0.000	0.168	42.365
9840	14.583	15.549	1.872	6.676	6.756	0.000	0.245	30.132
52100	14.583	3.559	3.452	0.000	0.000	0.000	0.107	18.142
1010M+Ti	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1020V3	14.583	0.662	0.000	0.000	0.000	0.341	0.321	15.245
1022M	14.583	0.298	0.000	0.000	0.000	0.000	0.298	14.881
1026HS	14.583	0.968	0.000	0.000	0.000	0.738	0.229	15.551
1045H	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
1050M1	14.583	0.329	0.000	0.000	0.000	0.000	0.329	14.912
1050M2	14.583	0.290	0.000	0.000	0.000	0.000	0.290	14.873
1050MV	14.583	0.456	0.000	0.000	0.000	0.227	0.229	15.039
1060M	14.583	0.214	0.000	0.000	0.000	0.000	0.214	14.797
1070M	14.583	0.290	0.000	0.000	0.000	0.000	0.290	14.873
1080M	14.583	0.228	0.000	0.000	0.000	0.000	0.228	14.811
10B36	14.583	0.382	0.000	0.000	0.000	0.000	0.382	14.965
10B41	14.583	0.290	0.000	0.000	0.000	0.000	0.290	14.873
10V40M	14.583	1.052	0.000	0.000	0.000	0.738	0.313	15.635

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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
10V45	14.583	1.479	0.000	0.000	0.000	1.250	0.229	16.062
1141V	14.583	1.424	0.000	0.000	0.000	0.966	0.459	16.007
1516CbV1	14.583	1.257	0.000	0.000	0.000	0.852	0.405	15.840
1517VCbCa2	14.583	0.610	0.000	0.000	0.000	0.284	0.326	15.193
1518CbV	14.583	1.232	0.293	0.000	0.000	0.568	0.371	15.815
1518VCa2	14.583	0.715	0.000	0.000	0.000	0.341	0.375	15.298
1519V	14.583	0.501	0.000	0.000	0.000	0.170	0.330	15.084
1519VCbCa2	14.583	1.121	0.000	0.000	0.000	0.795	0.326	15.704
1520VNb	14.583	1.010	0.000	0.000	0.000	0.625	0.385	15.593
1538M	14.583	0.367	0.000	0.000	0.000	0.000	0.367	14.950
1552M1	14.583	0.459	0.000	0.000	0.000	0.000	0.459	15.042
15B23MoV	14.583	3.358	0.351	0.000	2.027	0.568	0.413	17.941
15B29	14.583	0.390	0.000	0.000	0.000	0.000	0.390	14.973
15B37H	14.583	0.382	0.000	0.000	0.000	0.000	0.382	14.965
15B41H	14.583	0.459	0.000	0.000	0.000	0.000	0.459	15.042
15CrMo5	14.583	9.737	2.691	0.000	6.756	0.000	0.290	24.320
15CrMoV6	14.583	30.668	3.218	0.000	24.320	2.840	0.290	45.251
15V10M	14.583	3.345	0.000	0.000	2.027	0.852	0.466	17.928
15V20	14.583	2.370	0.000	0.000	0.000	1.988	0.382	16.953
17-22-AS	14.583	19.444	2.925	0.000	13.511	2.840	0.168	34.027
17-22-AV	14.583	26.321	2.925	0.000	13.511	9.656	0.229	40.904
17CrNiMo6	14.583	22.530	3.861	10.349	8.107	0.000	0.214	37.113
18CrNiMo7-6	14.583	22.530	3.861	10.349	8.107	0.000	0.214	37.113
2.25Cr1Mo	14.583	32.425	5.265	0.000	27.022	0.000	0.138	47.008
20MnCr5	14.583	3.073	2.691	0.000	0.000	0.000	0.382	17.656
20MoCr4M	14.583	13.508	1.112	0.000	12.160	0.000	0.237	28.091
23MnNiMoCr5-4	14.583	23.091	1.170	6.676	14.862	0.000	0.382	37.674
25MoCr4	14.583	13.675	1.931	0.000	11.485	0.000	0.260	28.258
31CrMoV9	14.583	13.127	5.850	0.000	5.404	1.704	0.168	27.710
34CrNiMo6V	14.583	21.440	3.861	11.016	6.080	0.284	0.199	36.023
36CrNiMo4	14.583	15.746	2.457	7.010	6.080	0.000	0.199	30.329
38MnS6BY	14.583	0.794	0.351	0.000	0.000	0.000	0.443	15.377
38MnS6ICI	14.583	0.787	0.351	0.000	0.000	0.000	0.436	15.370
38MnS6MOD	14.583	0.779	0.351	0.000	0.000	0.000	0.428	15.362
38MnS6VBYMod	14.583	1.124	0.234	0.000	0.000	0.454	0.436	15.707
38MNVMod	14.583	1.549	0.000	0.000	0.000	1.136	0.413	16.132
38MnVS6MOD	14.583	3.032	0.000	0.000	0.000	2.726	0.306	17.615
40CrNiMoA	14.583	18.109	1.872	10.349	5.675	0.000	0.214	32.692
4118H	14.583	4.522	1.170	0.000	3.108	0.000	0.245	19.105
4121M	14.583	9.410	1.697	0.000	7.431	0.000	0.283	23.993
4121M1	14.583	11.230	2.165	0.000	8.782	0.000	0.283	25.813
4121M2	14.583	11.230	2.165	0.000	8.782	0.000	0.283	25.813
4121M2.5	14.583	9.106	2.106	0.000	6.756	0.000	0.245	23.689
4128VMTi	14.583	14.932	4.212	0.000	9.458	1.079	0.183	29.515
4130H	14.583	7.839	2.282	0.000	5.404	0.000	0.153	22.422



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Grade	Scrap	Alloy	Cr	Ni	Mo	V	Mn	Total
4130HW	14.583	10.192	2.457	1.168	6.080	0.318	0.168	24.775
4130M7Ca4	14.583	22.304	3.159	0.000	18.916	0.000	0.229	36.887
4130MNI4V	14.583	12.209	2.691	3.004	6.080	0.204	0.229	26.792
4130MODSS	14.583	22.542	2.340	0.000	19.591	0.488	0.122	37.125
4130MVCbTi	14.583	12.421	2.516	0.000	8.782	0.909	0.214	27.004
4130Ni	14.583	9.363	2.399	1.001	5.810	0.000	0.153	23.946
4130NiNb	14.583	10.211	2.457	1.335	6.080	0.170	0.168	24.794
4130NiV	14.583	10.245	2.457	1.335	6.080	0.204	0.168	24.828
4130NiVca4	14.583	9.668	2.574	1.335	5.404	0.170	0.183	24.251
4130V	14.583	8.535	2.516	0.000	5.404	0.432	0.183	23.118
4130V2	14.583	10.091	2.516	0.000	5.404	1.988	0.183	24.674
4135H	14.583	7.931	2.282	0.000	5.404	0.000	0.245	22.514
4137MCbCa4	14.583	10.982	2.457	0.000	8.242	0.000	0.283	25.565
4137MVca4	14.583	11.976	2.457	0.000	8.782	0.454	0.283	26.559
4140Ca1	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4140Ca2	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4140Ca4	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4140H	14.583	7.953	2.282	0.000	5.404	0.000	0.268	22.536
4140HW	14.583	10.280	2.457	1.168	6.080	0.284	0.290	24.863
4140MV	14.583	13.593	2.340	0.000	10.133	0.852	0.268	28.176
4140Nb	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4140Se	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4140V	14.583	8.349	2.223	0.000	5.404	0.454	0.268	22.932
4140Vnb	14.583	9.347	2.223	1.168	5.404	0.284	0.268	23.930
4140Vnb	14.583	9.347	2.223	1.168	5.404	0.284	0.268	23.930
4142H	14.583	7.953	2.282	0.000	5.404	0.000	0.268	22.536
4143V	14.583	9.013	2.340	0.000	6.080	0.341	0.252	23.596
4145H	14.583	7.953	2.282	0.000	5.404	0.000	0.268	22.536
4145HS	14.583	11.242	2.399	0.000	8.107	0.454	0.283	25.825
4145HSX	14.583	14.011	2.574	0.000	10.809	0.284	0.344	28.594
4145M	14.583	9.437	2.399	0.000	6.756	0.000	0.283	24.020
4145M3CbTiCa4	14.583	11.486	2.399	0.000	8.782	0.000	0.306	26.069
4145M3VCb	14.583	11.269	2.516	0.000	8.107	0.318	0.329	25.852
4145M4	14.583	13.442	2.282	0.000	10.809	0.000	0.352	28.025
4145M4CA4	14.583	13.442	2.282	0.000	10.809	0.000	0.352	28.025
4145Mca2	14.583	9.437	2.399	0.000	6.756	0.000	0.283	24.020
4145Mca4	14.583	10.765	2.399	0.000	8.107	0.000	0.260	25.348
4150Ca1	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4150H	14.583	7.953	2.282	0.000	5.404	0.000	0.268	22.536
4150HTe	14.583	7.953	2.282	0.000	5.404	0.000	0.268	22.536
4150MR	14.583	7.379	1.638	0.000	5.404	0.000	0.336	21.962
4150R	14.583	7.895	2.223	0.000	5.404	0.000	0.268	22.478
4161H	14.583	10.246	1.872	0.000	8.107	0.000	0.268	24.829
41B17M	14.583	5.626	1.229	0.000	4.053	0.000	0.344	20.209
41B27	14.583	7.908	2.223	0.000	5.540	0.000	0.145	22.491

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41B28M4NBCA4	14.583	14.971	2.340	0.000	12.160	0.318	0.153	29.554
41B30M1	14.583	6.039	1.229	0.000	4.459	0.000	0.352	20.622
41B45M	14.583	5.710	1.170	0.000	4.188	0.000	0.352	20.293
42CrMo4	14.583	8.766	2.457	0.000	6.080	0.000	0.229	23.349
42CrMo4+Ni+V	14.583	13.309	2.574	2.671	6.756	1.079	0.229	27.892
4320H	14.583	19.944	1.170	11.851	6.756	0.000	0.168	34.527
4320M9	14.583	40.545	1.170	12.185	27.022	0.000	0.168	55.128
4320Mcr	14.583	20.708	1.872	11.851	6.756	0.000	0.229	35.291
4330NiMo5VCa4	14.583	32.543	2.223	15.690	13.511	0.852	0.268	47.126
4330VCb	14.583	28.851	2.165	12.852	12.836	0.716	0.283	43.434
4332CR12	14.583	20.437	2.808	10.015	7.431	0.000	0.183	35.020
4332MVCa2	14.583	33.719	2.574	18.026	11.485	1.420	0.214	48.302
4340Ca2	14.583	21.041	1.872	12.185	6.756	0.000	0.229	35.624
4340Ca4	14.583	21.041	1.872	12.185	6.756	0.000	0.229	35.624
4340CAR	14.583	21.041	1.872	12.185	6.756	0.000	0.229	35.624
4340H	14.583	20.708	1.872	11.851	6.756	0.000	0.229	35.291
4340V	14.583	21.553	1.872	12.185	6.756	0.511	0.229	36.136
4350M1	14.583	19.206	1.872	9.013	8.107	0.000	0.214	33.789
43B17	14.583	20.286	1.170	12.185	6.756	0.000	0.176	34.869
44MnSiVS6	14.583	2.789	0.585	0.000	0.000	1.761	0.443	17.372
4715Ca2	14.583	21.393	1.287	5.675	14.187	0.000	0.245	35.976
4715Ca4	14.583	21.460	1.287	5.742	14.187	0.000	0.245	36.043
4715VCa2	14.583	21.848	1.287	5.675	14.187	0.454	0.245	36.431
4815Ca4	14.583	30.276	0.000	23.368	6.756	0.000	0.153	44.859
4815MCA2	14.583	33.085	0.000	23.368	9.458	0.000	0.260	47.668
4815MCA2	14.583	33.085	0.000	23.368	9.458	0.000	0.260	47.668
4817H	14.583	30.276	0.000	23.368	6.756	0.000	0.153	44.859
4820H	14.583	30.307	0.000	23.368	6.756	0.000	0.183	44.890
5016NiV	14.583	3.484	0.468	1.869	0.000	0.841	0.306	18.067
5046H	14.583	0.923	0.655	0.000	0.000	0.000	0.268	15.506
5046M	14.583	1.665	0.644	0.000	0.000	0.738	0.283	16.248
5059Ni	14.583	3.381	0.585	1.335	1.216	0.000	0.245	17.964
50B25	14.583	1.038	0.702	0.000	0.000	0.000	0.336	15.621
50B32M	14.583	3.016	0.878	0.000	1.756	0.000	0.382	17.599
5120H	14.583	2.117	1.872	0.000	0.000	0.000	0.245	16.700
5120M	14.583	2.793	2.457	0.000	0.000	0.000	0.336	17.376
5130H	14.583	2.526	2.282	0.000	0.000	0.000	0.245	17.109
5132RM	14.583	3.630	2.457	0.000	0.000	0.852	0.321	18.213
5160H	14.583	2.140	1.872	0.000	0.000	0.000	0.268	16.723
5160Te	14.583	2.412	2.106	0.000	0.000	0.000	0.306	16.995
8617H	14.583	10.483	1.170	3.672	5.404	0.000	0.237	25.066
8620Ca1	14.583	10.491	1.170	3.672	5.404	0.000	0.245	25.074
8620H	14.583	10.483	1.170	3.672	5.404	0.000	0.237	25.066
8620M7	14.583	10.483	1.170	3.672	5.404	0.000	0.237	25.066
8620Te	14.583	11.680	1.334	4.006	6.080	0.000	0.260	26.263

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Bar- \$0.00 Tube - \$0.00
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8622H	14.583	10.483	1.170	3.672	5.404	0.000	0.237	25.066
8627H	14.583	10.483	1.170	3.672	5.404	0.000	0.237	25.066
8630H	14.583	10.483	1.170	3.672	5.404	0.000	0.237	25.066
8630MCA2	14.583	16.582	1.872	5.007	9.458	0.000	0.245	31.165
8630MCA4	14.583	16.582	1.872	5.007	9.458	0.000	0.245	31.165
8630MVCA2	14.583	19.942	2.223	5.675	11.485	0.284	0.275	34.525
8630MVCAR	14.583	19.942	2.223	5.675	11.485	0.284	0.275	34.525
8640H	14.583	10.514	1.170	3.672	5.404	0.000	0.268	25.097
86B20H	14.583	11.159	1.170	3.672	6.080	0.000	0.237	25.742
8719M	14.583	11.850	1.170	4.340	6.080	0.000	0.260	26.433
8720CA4	14.583	11.842	1.170	3.672	6.756	0.000	0.245	26.425
8720M2	14.583	10.790	1.287	3.839	5.404	0.000	0.260	25.373
8740H	14.583	11.865	1.170	3.672	6.756	0.000	0.268	26.448
8822H	14.583	14.567	1.170	3.672	9.458	0.000	0.268	29.150
8829M7CbTiCa4	14.583	30.457	1.872	5.341	22.969	0.000	0.275	45.040
9310H	14.583	27.841	2.867	21.699	3.108	0.000	0.168	42.424
9313MCA4	14.583	28.548	3.393	21.699	3.243	0.000	0.214	43.131
9323M	14.583	36.958	2.925	25.037	8.782	0.000	0.214	51.541
9325M1	14.583	36.700	2.340	23.368	10.809	0.000	0.183	51.283
9Cr1Mo	14.583	48.220	21.060	0.000	27.022	0.000	0.138	62.803
A485-1	14.583	2.786	2.457	0.000	0.000	0.000	0.329	17.369
A485-2	14.583	4.218	3.744	0.000	0.000	0.000	0.474	18.801
A485-3	14.583	10.035	3.042	0.000	6.756	0.000	0.237	24.618
A485-B6	14.583	11.857	4.212	0.000	7.431	0.000	0.214	26.440
A485-B7	14.583	16.586	4.212	0.000	12.160	0.000	0.214	31.169
AF9628	14.583	40.217	6.201	7.010	25.671	1.136	0.199	54.800
C38+N2	14.583	0.787	0.351	0.000	0.000	0.000	0.436	15.370
C38Mod	14.583	1.907	0.351	0.000	0.000	1.136	0.420	16.490
CrMo	14.583	17.820	2.925	0.000	14.727	0.000	0.168	32.403
CrMoV4	14.583	23.516	2.574	0.000	17.835	2.840	0.268	38.099
CrMoV6	14.583	14.839	2.282	0.000	9.458	2.840	0.260	29.422
CTC4162-130	14.583	9.368	2.399	1.335	5.404	0.000	0.229	23.951
CTC4162-140	14.583	9.368	2.399	1.335	5.404	0.000	0.229	23.951
D6A	14.583	34.687	2.457	3.672	27.022	1.306	0.229	49.270
EN27	14.583	28.632	2.984	18.694	6.756	0.000	0.199	43.215
EN30B	14.583	38.558	2.925	27.374	8.107	0.000	0.153	53.141
EN30BMod	14.583	43.247	3.218	27.540	11.485	0.852	0.153	57.830
En355	14.583	22.553	3.627	13.353	5.404	0.000	0.168	37.136
EN40B	14.583	21.277	7.605	0.000	13.511	0.000	0.161	35.860
EX25	14.583	8.310	1.287	0.000	6.756	0.000	0.268	22.893
EX4	14.583	3.581	1.287	0.000	2.027	0.000	0.268	18.164
HF1	14.583	0.535	0.000	0.000	0.000	0.000	0.535	15.118
HS220-18	14.583	24.108	0.702	12.185	10.809	0.000	0.413	38.691
HS220-18S	14.583	24.108	0.702	12.185	10.809	0.000	0.413	38.691
HS220-27	14.583	26.836	2.048	12.185	11.485	0.852	0.268	41.419



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HS220-27Ca2	14.583	26.836	2.048	12.185	11.485	0.852	0.268	41.419
HS220-27CA4	14.583	26.836	2.048	12.185	11.485	0.852	0.268	41.419
HS220-27Ca4	14.583	26.836	2.048	12.185	11.485	0.852	0.268	41.419
HS220-27CAR	14.583	26.836	2.048	12.185	11.485	0.852	0.268	41.419
HY-80	14.583	35.117	3.686	19.195	12.160	0.000	0.076	49.700
IMPACT7	14.583	22.304	3.159	0.000	18.916	0.000	0.229	36.887
MicroTec2W65	14.583	1.306	0.000	0.000	0.000	0.909	0.397	15.889
MicroTec2W70	14.583	1.481	0.000	0.000	0.000	1.022	0.459	16.064
MicroTec2W75	14.583	2.163	0.000	0.000	0.000	1.704	0.459	16.746
MicroTec3M80C	14.583	1.688	0.351	0.000	0.000	0.909	0.428	16.271
MicroTec3M80H	14.583	1.920	0.000	0.000	0.000	1.477	0.443	16.503
MicroTec3M80T	14.583	1.920	0.000	0.000	0.000	1.477	0.443	16.503
MicroTec3M85	14.583	1.791	0.000	0.000	0.000	1.363	0.428	16.374
MicroTec3W75	14.583	2.396	0.000	0.000	0.000	2.045	0.352	16.979
MicroTec4M95	14.583	1.915	0.351	0.000	0.000	1.136	0.428	16.498
MicroTec4M95A	14.583	1.915	0.351	0.000	0.000	1.136	0.428	16.498
MicroTec5H85	14.583	1.373	0.000	0.000	0.000	1.136	0.237	15.956
Nit3	14.583	13.385	3.744	0.000	9.458	0.000	0.183	27.968
PS16	14.583	5.950	1.170	0.000	4.459	0.000	0.321	20.533
PS16M	14.583	6.133	1.346	0.000	4.459	0.000	0.329	20.716
PS55	14.583	33.323	1.287	12.185	19.591	0.000	0.260	47.906
PS55Ca2	14.583	33.323	1.287	12.185	19.591	0.000	0.260	47.906
PS55M	14.583	33.659	1.346	12.185	19.861	0.000	0.268	48.242
PS55M2	14.583	33.323	1.287	12.185	19.591	0.000	0.260	47.906
S30CDY7A	14.583	0.275	0.000	0.000	0.000	0.000	0.275	14.858
S38CX	14.583	4.711	0.000	0.000	4.459	0.000	0.252	19.294
S38MS1V	14.583	2.305	0.351	0.000	0.000	1.534	0.420	16.888
S38MS1VA	14.583	2.640	0.398	0.000	0.000	1.818	0.425	17.223
S38MS1V-L	14.583	2.305	0.351	0.000	0.000	1.534	0.420	16.888
S38MS1V-T	14.583	1.957	0.351	0.000	0.000	1.193	0.413	16.540
S40C-M	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
S40VCSS1	14.583	1.712	0.316	0.000	0.000	1.136	0.260	16.295
S45CVMn	14.583	2.153	0.351	0.000	0.000	1.420	0.382	16.736
S53CG	14.583	0.229	0.000	0.000	0.000	0.000	0.229	14.812
SCM420H	14.583	9.434	2.457	0.000	6.756	0.000	0.222	24.017
SCR15	14.583	2.679	2.457	0.000	0.000	0.000	0.222	17.262
SCR440H	14.583	2.679	2.457	0.000	0.000	0.000	0.222	17.262
SPG21CF	14.583	14.865	1.170	0.000	13.511	0.000	0.183	29.448
SV40CL1	14.583	1.750	0.351	0.000	0.000	1.193	0.206	16.333
SVh40C	14.583	0.911	0.000	0.000	0.000	0.682	0.229	15.494
SW85	14.583	1.791	0.000	0.000	0.000	1.363	0.428	16.374
TIM6V	14.583	1.708	0.000	0.000	0.000	1.250	0.459	16.291
VacTec400	14.583	12.597	1.931	2.170	8.107	0.000	0.390	27.180
WHS100	14.583	11.866	1.814	3.672	5.404	0.625	0.352	26.449
WHS130	14.583	20.692	1.872	11.851	6.756	0.000	0.214	35.275



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WHS130Ca4	14.583	20.692	1.872	11.851	6.756	0.000	0.214	35.275
ZF7B	14.583	3.205	2.808	0.000	0.000	0.000	0.397	17.788