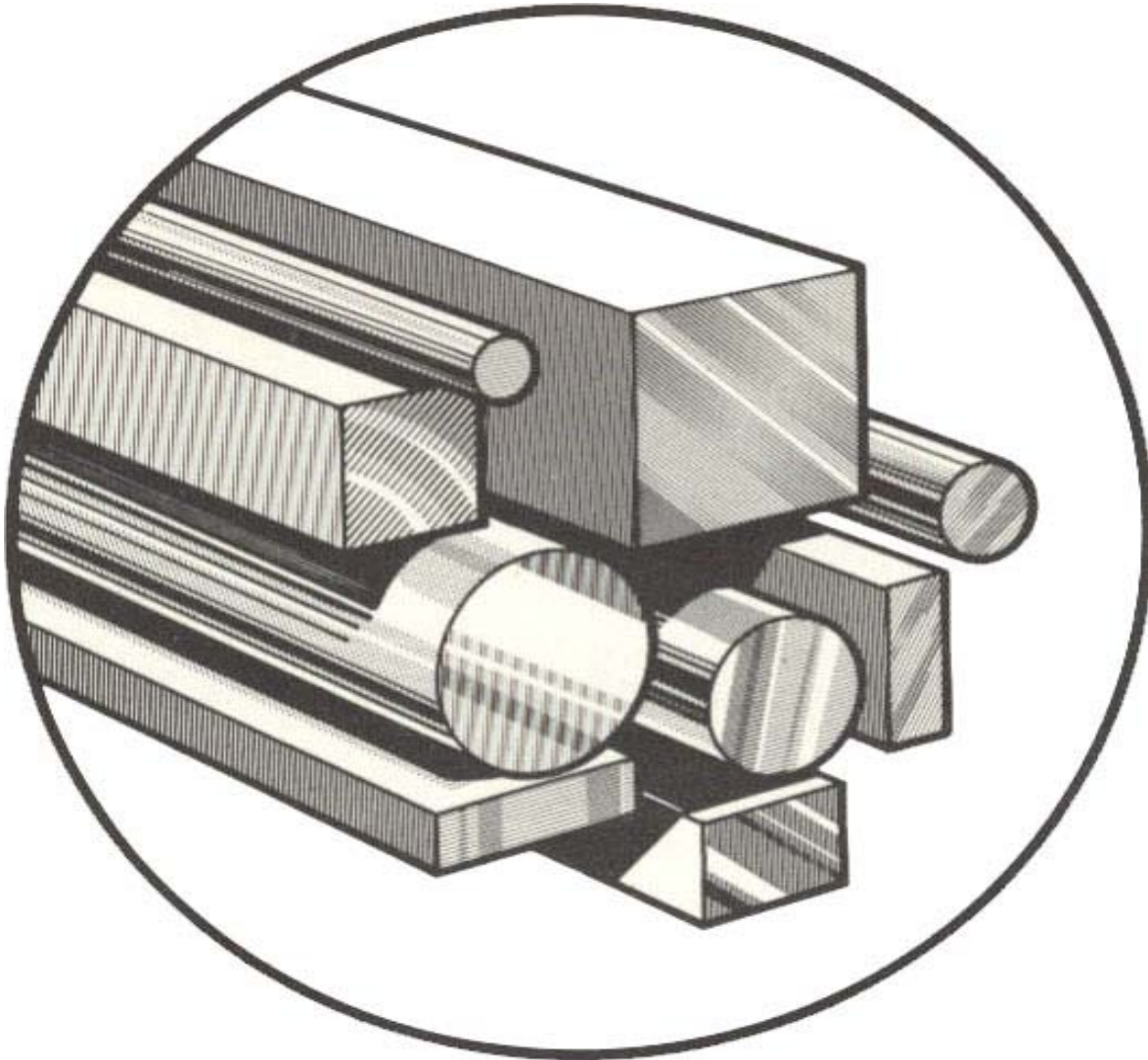




DRILLRODS & KEYSTOCK

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Vanguard Steel Ltd



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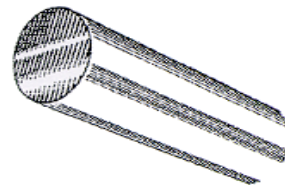
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DRILLRODS & KEYSTOCK

Drillrods

Supplied in the annealed state with a finely ground and polished surface. Its high accuracy to size, uniform properties that are free from defects and decarburization, opens a wide field of applications for these drillrods. Available in Carbon W-1, Oil hardening O-1



AISI W-1

Sizes:		Weight	Product
Inch	Metric	Per 3 ft	Code

5/64"	0.0781	0.051	0401 1005
7/64"	0.1093	0.093	0401 1007
9/64"	0.1406	0.156	0401 1009
11/64"	0.1718	0.234	0401 1011
13/64"	0.2031	0.327	0401 1013
15/64"	0.2343	0.441	0401 1015
17/64"	0.2656	0.561	0401 1017
19/64"	0.2968	0.702	0401 1019
21/64"	0.3281	0.861	0401 1021
23/64"	0.3593	1.032	0401 1023
25/64"	0.3906	1.221	0401 1025
27/64"	0.4218	1.416	0401 1027
29/64"	0.4531	1.626	0401 1029
31/64"	0.4843	1.875	0401 1031
33/64"	0.5156	2.127	0401 1033
35/64"	0.5468	2.391	0401 1035
37/64"	0.5781	2.673	0401 1037
39/64"	0.6093	3.000	0401 1039
41/64"	0.6406	3.312	0401 1041
43/64"	0.6718	3.603	0401 1043
47/64"	0.7343	4.314	0401 1047
49/64"	0.7656	4.686	0401 1049
51/64"	0.7968	5.073	0401 1051
53/64"	0.8281	5.484	0401 1053
57/64"	0.8906	6.354	0401 1057
63/64"	0.9843	7.749	0401 1063

3/32"	0.0937	0.069	0401 1006
5/32"	0.1563	0.198	0401 1010
7/32"	0.2188	0.387	0401 1014
9/32"	0.2813	0.639	0401 1018
11/32"	0.3438	0.939	0401 1022
13/32"	0.4062	1.311	0401 1026
15/32"	0.4687	1.749	0401 1030
17/32"	0.5312	2.250	0401 1034
19/32"	0.5937	2.823	0401 1038
21/32"	0.6562	3.435	0401 1042
23/32"	0.7187	4.125	0401 1046
25/32"	0.7812	4.887	0401 1050
27/32"	0.8437	5.700	0401 1054
29/32"	0.9062	6.576	0401 1058
31/32"	0.9687	7.593	0401 1062

Sizes:		Weight	Product
Inch	Metric	Per 3 ft	Code

1/16"	0.0625	0.030	0401 1004
3/16"	0.1875	0.282	0401 1012
5/16"	0.3125	0.780	0401 1020
7/16"	0.4375	1.530	0401 1028
9/16"	0.5625	2.532	0401 1036
11/16"	0.6875	3.750	0401 1044
13/16"	0.8125	5.250	0401 1052
15/16"	0.9375	6.999	0401 1060
1-1/16"	1.0625	9.030	0401 1104
1-3/16"	1.1875	16.560	0401 1112
1-5/16"	1.3125	13.800	0401 1120
1-7/16"	1.4375	15.560	0401 1128

1/8"	0.1250	0.126	0401 1008
3/8"	0.3750	1.125	0401 1024
5/8"	0.6250	3.126	0401 1040
7/8"	0.8750	6.126	0401 1056
1-1/8"	1.1250	10.125	0401 1108
1-3/8"	1.3750	15.147	0401 1124
1-5/8"	1.6250	21.150	0401 1140

1/4"	0.2500	0.501	0401 1016
1/2"	0.5000	2.001	0401 1032
3/4"	0.7500	4.503	0401 1048
1"	1.0000	8.000	0401 1100
1-1/4"	1.2500	12.501	0401 1116
1-1/2"	1.5000	18.102	0401 1132
1-3/4"	1.7500	24.510	0401 1148
2"	2.0000	32.040	0401 1200

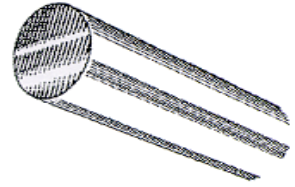
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AISI O-1

Sizes:		Weight	Product
Inch	Metric	Per 3 ft	Code

5/64"	0.0781	0.051	0402 1005
7/64"	0.1093	0.093	0402 1007
9/64"	0.1406	0.156	0402 1009
11/64"	0.1718	0.234	0402 1011
13/64"	0.2031	0.327	0402 1013
15/64"	0.2343	0.441	0402 1015
17/64"	0.2656	0.561	0402 1017
19/64"	0.2968	0.702	0402 1019
21/64"	0.3281	0.861	0402 1021
23/64"	0.3593	1.032	0402 1023
25/64"	0.3906	1.221	0402 1025
27/64"	0.4218	1.416	0402 1027
29/64"	0.4531	1.626	0402 1029
31/64"	0.4843	1.875	0402 1031
33/64"	0.5156	2.127	0402 1033
35/64"	0.5468	2.391	0402 1035
37/64"	0.5781	2.673	0402 1037
39/64"	0.6093	3.000	0402 1039
41/64"	0.6406	3.312	0402 1041
43/64"	0.6718	3.603	0402 1043
47/64"	0.7343	4.314	0402 1047
49/64"	0.7656	4.686	0402 1049
51/64"	0.7968	5.073	0402 1051
53/64"	0.8281	5.484	0402 1053
57/64"	0.8906	6.354	0402 1057
63/64"	0.9843	7.749	0402 1063

3/32"	0.0937	0.069	0402 1006
5/32"	0.1563	0.198	0402 1010
7/32"	0.2188	0.387	0402 1014
9/32"	0.2813	0.639	0402 1018
11/32"	0.3438	0.939	0402 1022
13/32"	0.4062	1.311	0402 1026
15/32"	0.4687	1.749	0402 1030
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21/32"	0.6562	3.435	0402 1042
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7/16"	0.4375	1.530	0402 1028
9/16"	0.5625	2.532	0402 1036
11/16"	0.6875	3.750	0402 1044
13/16"	0.8125	5.250	0402 1052
15/16"	0.9375	6.999	0402 1060
1-1/16"	1.0625	9.030	0402 1104
1-3/16"	1.1875	16.560	0402 1112
1-5/16"	1.3125	13.800	0402 1120
1-7/16"	1.4375	15.560	0402 1128

1/8"	0.1250	0.126	0402 1008
3/8"	0.3750	1.125	0402 1024
5/8"	0.6250	3.126	0402 1040
7/8"	0.8750	6.126	0402 1056
1-1/8"	1.1250	10.125	0402 1108
1-3/8"	1.3750	15.147	0402 1124
1-5/8"	1.6250	21.150	0402 1140

1/4"	0.2500	0.501	0402 1016
1/2"	0.5000	2.001	0402 1032
3/4"	0.7500	4.503	0402 1048
1"	1.0000	8.000	0402 1100
1-1/4"	1.2500	12.501	0402 1116
1-1/2"	1.5000	18.102	0402 1132
1-3/4"	1.7500	24.510	0402 1148
2"	2.0000	32.040	0402 1200

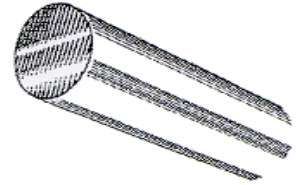
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TYPICAL ANALYSIS

	C.	Mn.	Si.	Cr.	W.	V.	Mo.
W -1	1.00	0.30	0.30				
O - 1	0.90	1.20	0.35	0.50	0.50	0.20	

Metric AISI O-1

Sizes:		Weight	Product
Inch	Metric	Per 3 ft	Code

2	0.0787	0.0496	0404 2020
3	0.1181	0.1117	0404 2030
4	0.1575	0.1987	0404 2040
5	0.1969	0.3105	0404 2050
6	0.2362	0.4469	0404 2060
7	0.2756	0.6084	0404 2070
8	0.3150	0.7948	0404 2080
9	0.3543	1.0050	0404 2090
10	0.3937	1.2420	0404 2100
11	0.4331	1.5020	0404 2110
12	0.4727	1.7880	0404 2120
13	0.5118	2.0980	0404 2130
14	0.5512	2.4340	0404 2140
15	0.5906	2.7940	0404 2150
16	0.6299	3.1780	0404 2160
17	0.6693	3.9286	0404 2170
18	0.7087	4.4016	0404 2180
20	0.7874	5.4365	0404 2200
22	0.8661	6.5710	0404 2220
24	0.9449	7.1410	0404 2240
25	0.9843	8.4943	0404 2250

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DRILLRODS & KEYSTOCK

Keystock



Steel Keystock is used to provide driving torque between shafts and pulleys, gears, sprockets, etc.

Most material is high quality cold drawn low carbon C1018 steel

Meets ASTM A-108

Size	Product Code				Weight Per ft.
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1/8"			1204 0008			0.053
3/16"			1204 0012			0.120
1/4"			1204 0016			0.213

5/16"			1204 0020			0.332
3/8"			1204 0024			0.487
7/16"			1204 0028			0.651

1/2"			1204 0032			0.850
9/16"			1204 0036			1.080
5/8"			1204 0040			1.330

3/4"			1204 0048			1.910
7/8"			1204 0056			2.600
1"			1204 0100			3.400

1-1/8"			1204 0108			4.300
1-1/4"			1204 0116			5.310
1-1/2"			1204 0132			7.650

1-3/4"			1204 0148			10.410
2"			1204 0200			13.600

AVAILABLE IN ANY ONE FOOT MULTIPLES!

OTHER SIZES AVAILABLE ON REQUEST

Vanguard Steel Ltd._____