

## Velocity Table

Material	Velocity (m/s)	Velocity (in/ $\mu$ s)	Conversion Factor (relative to Steel)
Alnico	4900	0.193	0.828
Aluminium	6320	0.248	1.068
Antimony	3400	0.134	0.574
Beryllium	12000	0.472	2.027
Beryllium Copper	3900	0.154	0.659
Bismuth	2000	0.079	0.338
Brass (70% Cu)	4700	0.185	0.794
Cadmium	2700	0.106	0.456
Chromium	6850	0.269	1.157
Cobalt	4700	0.185	0.794
Copper	4700	0.185	0.794
Duraluminium	6320	0.248	1.068
Gold	3260	0.128	0.551
Inconel	5700	0.224	0.963
Indium	2560	0.101	0.432
Iridium	4700	0.185	0.794
Iron	5950	0.234	1.005
Iron (Grey Cast)	4600	0.181	0.777
Lead	2200	0.087	0.371
Magnesium	5770	0.227	0.975
Manganin	4660	0.183	0.787
Mercury	1400	0.055	0.236
Monel	5400	0.212	0.912
Nickel	5630	0.221	0.951

Material	Velocity (m/s)	Velocity (in/μs)	Conversation Factor (relative to Steel)
Palladium	3250	0.128	0.549
Phosphor Bronze	3530	0.138	0.596
Platinum	2800	0.11	0.473
Rhodium	4900	0.193	0.828
Silver	3600	0.141	0.608
Steel (Mild)	5920	0.233	1
Steel (Tool)	5870	0.231	0.992
Steel (Stainless 302)	5660	0.222	0.956
Tantalum	4000	0.157	0.676
Tin	3260	0.128	0.55
Tungsten	5460	0.214	0.992
Zinc	3400	0.134	0.574

### Non metallic materials

Material	Velocity (m/s)	Velocity (in/μs)	Conversation Factor (relative to Steel)
ABS	2020	0.079	0.341
Acrylic	2730	0.107	0.461
Epoxy	2500	0.09	0.422
Glass (Quartz)	5570	0.219	0.941
Glass (Soda-lime)	6000	0.236	1.014
Glass (Borosilicate)	5640	0.222	0.953
GRP (50% v/v)	3150	0.124	0.532
Nylon (Polyamide)	2620	0.103	0.443
Porcelain	5600	0.22	0.946