

# Momentum of an Arrow Expressed in slug\*ft/s

weight of arrow in grains

speed of arrow in fps

	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370
200	0.222	0.226	0.231	0.235	0.240	0.244	0.249	0.253	0.258	0.262	0.266	0.271	0.275	0.280	0.284	0.289	0.293	0.297	0.302	0.306	0.311	0.315	0.320	0.324	0.329
210	0.233	0.238	0.242	0.247	0.252	0.256	0.261	0.266	0.270	0.275	0.280	0.284	0.289	0.294	0.298	0.303	0.308	0.312	0.317	0.322	0.326	0.331	0.336	0.340	0.345
220	0.244	0.249	0.254	0.259	0.264	0.269	0.274	0.278	0.283	0.288	0.293	0.298	0.303	0.308	0.313	0.317	0.322	0.327	0.332	0.337	0.342	0.347	0.352	0.357	0.361
230	0.255	0.260	0.266	0.271	0.276	0.281	0.286	0.291	0.296	0.301	0.306	0.311	0.317	0.322	0.327	0.332	0.337	0.342	0.347	0.352	0.357	0.363	0.368	0.373	0.378
240	0.266	0.272	0.277	0.282	0.288	0.293	0.298	0.304	0.309	0.314	0.320	0.325	0.330	0.336	0.341	0.346	0.352	0.357	0.362	0.368	0.373	0.378	0.384	0.389	0.394
250	0.278	0.283	0.289	0.294	0.300	0.305	0.311	0.316	0.322	0.327	0.333	0.339	0.344	0.350	0.355	0.361	0.366	0.372	0.377	0.383	0.389	0.394	0.400	0.405	0.411
260	0.289	0.294	0.300	0.306	0.312	0.317	0.323	0.329	0.335	0.341	0.346	0.352	0.358	0.364	0.369	0.375	0.381	0.387	0.393	0.398	0.404	0.410	0.416	0.421	0.427
270	0.300	0.306	0.312	0.318	0.324	0.330	0.336	0.342	0.348	0.354	0.360	0.366	0.372	0.378	0.384	0.390	0.396	0.402	0.408	0.414	0.420	0.426	0.432	0.438	0.444
280	0.311	0.317	0.323	0.329	0.336	0.342	0.348	0.354	0.361	0.367	0.373	0.379	0.385	0.392	0.398	0.404	0.410	0.416	0.423	0.429	0.435	0.441	0.448	0.454	0.460
290	0.322	0.328	0.335	0.341	0.348	0.354	0.361	0.367	0.373	0.380	0.386	0.393	0.399	0.406	0.412	0.418	0.425	0.431	0.438	0.444	0.451	0.457	0.464	0.470	0.476
300	0.333	0.340	0.346	0.353	0.360	0.366	0.373	0.380	0.386	0.393	0.400	0.406	0.413	0.420	0.426	0.433	0.440	0.446	0.453	0.460	0.466	0.473	0.480	0.486	0.493
310	0.344	0.351	0.358	0.365	0.372	0.379	0.385	0.392	0.399	0.406	0.413	0.420	0.427	0.434	0.440	0.447	0.454	0.461	0.468	0.475	0.482	0.489	0.496	0.502	0.509
320	0.355	0.362	0.369	0.377	0.384	0.391	0.398	0.405	0.412	0.419	0.426	0.433	0.440	0.448	0.455	0.462	0.469	0.476	0.483	0.490	0.497	0.504	0.512	0.519	0.526
330	0.366	0.374	0.381	0.388	0.396	0.403	0.410	0.418	0.425	0.432	0.440	0.447	0.454	0.462	0.469	0.476	0.484	0.491	0.498	0.506	0.513	0.520	0.527	0.535	0.542
340	0.377	0.385	0.393	0.400	0.408	0.415	0.423	0.430	0.438	0.445	0.453	0.460	0.468	0.476	0.483	0.491	0.498	0.506	0.513	0.521	0.528	0.536	0.543	0.551	0.559
350	0.389	0.396	0.404	0.412	0.420	0.427	0.435	0.443	0.451	0.458	0.466	0.474	0.482	0.490	0.497	0.505	0.513	0.521	0.528	0.536	0.544	0.552	0.559	0.567	0.575
360	0.400	0.408	0.416	0.424	0.432	0.440	0.448	0.456	0.464	0.472	0.480	0.488	0.496	0.504	0.512	0.519	0.527	0.535	0.543	0.551	0.559	0.567	0.575	0.583	0.591
370	0.411	0.419	0.427	0.435	0.444	0.452	0.460	0.468	0.476	0.485	0.493	0.501	0.509	0.517	0.526	0.534	0.542	0.550	0.559	0.567	0.575	0.583	0.591	0.600	0.608
380	0.422	0.430	0.439	0.447	0.456	0.464	0.472	0.481	0.489	0.498	0.506	0.515	0.523	0.531	0.540	0.548	0.557	0.565	0.574	0.582	0.591	0.599	0.607	0.616	0.624
390	0.433	0.442	0.450	0.459	0.468	0.476	0.485	0.494	0.502	0.511	0.519	0.528	0.537	0.545	0.554	0.563	0.571	0.580	0.589	0.597	0.606	0.615	0.623	0.632	0.641
400	0.444	0.453	0.462	0.471	0.480	0.488	0.497	0.506	0.515	0.524	0.533	0.542	0.551	0.559	0.568	0.577	0.586	0.595	0.604	0.613	0.622	0.631	0.639	0.648	0.657
410	0.455	0.464	0.473	0.482	0.492	0.501	0.510	0.519	0.528	0.537	0.546	0.555	0.564	0.573	0.583	0.592	0.601	0.610	0.619	0.628	0.637	0.646	0.655	0.664	0.674
420	0.466	0.476	0.485	0.494	0.504	0.513	0.522	0.531	0.541	0.550	0.559	0.569	0.578	0.587	0.597	0.606	0.615	0.625	0.634	0.643	0.653	0.662	0.671	0.681	0.690
430	0.477	0.487	0.496	0.506	0.516	0.525	0.535	0.544	0.554	0.563	0.573	0.582	0.592	0.601	0.611	0.621	0.630	0.640	0.649	0.659	0.668	0.678	0.687	0.697	0.706
440	0.488	0.498	0.508	0.518	0.527	0.537	0.547	0.557	0.567	0.576	0.586	0.596	0.606	0.615	0.625	0.635	0.645	0.654	0.664	0.674	0.684	0.694	0.703	0.713	0.723
450	0.500	0.510	0.519	0.529	0.539	0.549	0.559	0.569	0.579	0.589	0.599	0.609	0.619	0.629	0.639	0.649	0.659	0.669	0.679	0.689	0.699	0.709	0.719	0.729	0.739
460	0.511	0.521	0.531	0.541	0.551	0.562	0.572	0.582	0.592	0.603	0.613	0.623	0.633	0.643	0.654	0.664	0.674	0.684	0.694	0.705	0.715	0.725	0.735	0.745	0.756
470	0.522	0.532	0.543	0.553	0.563	0.574	0.584	0.595	0.605	0.616	0.626	0.636	0.647	0.657	0.668	0.678	0.689	0.699	0.710	0.720	0.730	0.741	0.751	0.762	0.772
480	0.533	0.543	0.554	0.565	0.575	0.586	0.597	0.607	0.618	0.629	0.639	0.650	0.661	0.671	0.682	0.693	0.703	0.714	0.725	0.735	0.746	0.757	0.767	0.778	0.789
490	0.544	0.555	0.566	0.577	0.587	0.598	0.609	0.620	0.631	0.642	0.653	0.664	0.674	0.685	0.696	0.707	0.718	0.729	0.740	0.751	0.761	0.772	0.783	0.794	0.805
500	0.555	0.566	0.577	0.588	0.599	0.611	0.622	0.633	0.644	0.655	0.666	0.677	0.688	0.699	0.710	0.722	0.733	0.744	0.755	0.766	0.777	0.788	0.799	0.810	0.821
510	0.566	0.577	0.589	0.600	0.611	0.623	0.634	0.645	0.657	0.668	0.679	0.691	0.702	0.713	0.725	0.736	0.747	0.759	0.770	0.781	0.793	0.804	0.815	0.827	0.838
520	0.577	0.589	0.600	0.612	0.623	0.635	0.646	0.658	0.670	0.681	0.693	0.704	0.716	0.727	0.739	0.750	0.762	0.773	0.785	0.797	0.808	0.820	0.831	0.843	0.854
530	0.588	0.600	0.612	0.624	0.635	0.647	0.659	0.671	0.682	0.694	0.706	0.718	0.730	0.741	0.753	0.765	0.777	0.788	0.800	0.812	0.824	0.835	0.847	0.859	0.871
540	0.599	0.611	0.623	0.635	0.647	0.659	0.671	0.683	0.695	0.707	0.719	0.731	0.743	0.755	0.767	0.779	0.791	0.803	0.815	0.827	0.839	0.851	0.863	0.875	0.887
550	0.611	0.623	0.635	0.647	0.659	0.672	0.684	0.696	0.708	0.720	0.733	0.745	0.757	0.769	0.781	0.794	0.806	0.818	0.830	0.843	0.855	0.867	0.879	0.891	0.904
560	0.622	0.634	0.646	0.659	0.671	0.684	0.696	0.709	0.721	0.734	0.746	0.758	0.771	0.783	0.796	0.808	0.821	0.833	0.845	0.858	0.870	0.883	0.895	0.908	0.920
570	0.633	0.645	0.658	0.671	0.683	0.696	0.709	0.721	0.734	0.747	0.759	0.772	0.785	0.797	0.810	0.823	0.835	0.848	0.860	0.873	0.886	0.898	0.911	0.924	0.936
580	0.644	0.657	0.670	0.682	0.695	0.708	0.721	0.734	0.747	0.760	0.773	0.785	0.798	0.811	0.824	0.837	0.850	0.863	0.876	0.888	0.901	0.914	0.927	0.940	0.953
590	0.655	0.668	0.681	0.694	0.707	0.720	0.734	0.747	0.760	0.773	0.786	0.799	0.812	0.825	0.838	0.851	0.864	0.878	0.891	0.904	0.917	0.930	0.943	0.956	0.969
600	0.666	0.679	0.693	0.706	0.719	0.733	0.746	0.759	0.773	0.786	0.799	0.813	0.826	0.839	0.853	0.866	0.879	0.892	0.906	0.919	0.932	0.946	0.959	0.972	0.986
610	0.677	0.691	0.704	0.718	0.731	0.745	0.758	0.772	0.785	0.799	0.813	0.826	0.840	0.853	0.867	0.880	0.894	0.907	0.921	0.934	0.948	0.962	0.975	0.989	1.002
620	0.688	0.702	0.716	0.730	0.743	0.757	0.771	0.785	0.798	0.812	0.826	0.840	0.853	0.867	0.881	0.895	0.908	0.922	0.936	0.950	0.964	0.977	0.991	1.005	1.019
630	0.699	0.713	0.727	0.741	0.755	0.769	0.783	0.797	0.811	0.825	0.839	0.853	0.867	0.881	0.895	0.909	0.923	0.937	0.951	0.965	0.979	0.993	1.007	1.021	1.035
640	0.710	0.725	0.739	0.753	0.767	0.781	0.796	0.810	0.824	0.838	0.853	0.867	0.881	0.895	0.909	0.924	0.938	0.952	0.966	0.980	0.995	1.009	1.023	1.037	1.051
650	0.722	0.736	0.750	0.765	0.779	0.794	0.808	0.823	0.837</																