

Joyce/Dayton Machine Screw and Nut Selection Chart

Machine Screw and Nut Selections									
Dia - Turns/Inch	Thread Direction	Screw Description	Screw Lead (in.)	Starts	Standard Screw Length	Minimum Root Dia. (inches)	Nut Description (Bronze)	Flange Description (Steel)	Flange & Nut Assembly Description
1/2"- 8	R	SS050R013A	0.125	1	12'	0.383	SN050R013B	FL-0937	SF050R013
5/8"- 8	R	SS063R013S	0.125	1	12'	0.507	SN063R013B		SF063R013
5/8"- 8	L	SS063L013S	0.125	1	12'	0.507	SN063R013B		SF063R013
5/8"- 4*	R	SS063R025S	0.250	2	12'	0.515	SN063R025B		SF063R025
5/8"- 4*	L	SS063L025S	0.250	2	12'	0.515	SN063L025B		SF063R025
5/8"- 2*	R	SS063R050A	0.500	2	12'	0.426	SN063R050B	SF063R050	
3/4"- 5	R	AS075R020A	0.200	1	12'	0.502	AN075R020B	FL-1000	AF075R020
3/4"- 5	L	AS075L020A	0.200	1	12'	0.502	AN075L020B		AF075L020
3/4"- 5	R	AS075R020S	0.200	1	12'	0.502	AN075R020B		AF075R020
3/4"- 5	L	AS075L020S	0.200	1	12'	0.502	AN075L020B		AF075L020
7/8"- 2*	R	AS088R050A	0.500	2	12'	0.574	AN088R050B		AF088R050
7/8"- 2*	L	AS088L050A	0.500	2	12'	0.574	AN088L050B	AF088L050	
1"- 10	R	AS100R010A	0.100	1	12'	0.857	AN100R010B	FL-1375	AF100R010
1"- 4	R	AS100R025A	0.250	1	12'	0.699	AN100R025B		AF100R025
1"- 4	L	AS100L025A	0.250	1	12'	0.699	AN100L025B		AF100L025
1"- 4	R	AS100R025S	0.250	1	12'	0.699	AN100R025B		AF100R025
1"- 4	L	AS100L025S	0.250	1	12'	0.699	AN100L025B		AF100L025
1"- 2*	R	AS100R050A	0.500	2	12'	0.699	AN100R050B	AF100R050	
1"- 2*	L	AS100L050A	0.500	2	12'	0.699	AN100L050B	AF100L050	
1"- 1**	R	SS100R100A	1.000	10	12'	0.930	SN100R100B	SF100R100	
1 1/4"- 4	R	AS125R025A	0.250	1	12'	0.947	AN125R025B	FL-1967	AF125R025
1 1/4"- 4	L	AS125L025A	0.250	1	12'	0.947	AN125L025B		AF125L025
1 1/2"- 4	R	AS150R025A	0.250	1	12'	1.196	AN150R025B		AF150R025
1 1/2"- 4	L	AS150L025A	0.250	1	12'	1.196	AN150L025B		AF150L025
1 1/2"- 2*	R	AS150R050A	0.500	2	12'	1.196	AN150R050B		AF150R050
1 1/2"- 2*	L	AS150L050A	0.500	2	12'	1.196	AN150L050B	AF150L050	
1 1/2"- 2 2/3	R	AS150R038A	0.375	1	12'	1.066	AN150R038B	AF150R038	
1 1/2"- 2 2/3	L	AS150L038A	0.375	1	12'	1.066	AN150L038B	AF150L038	
1 1/2"- 2 2/3	R	SS150R038A	0.375	1	20'	1.216	SN150R038B	SF150R038	
1 1/2"- 2 2/3	L	SS150L038A	0.375	1	12'	1.216	SN150L038B	SF150L038	
1 1/2"- 2 2/3	R	SS150R038S	0.375	1	12'	1.216	SN150R038B	SF150R038	
1 1/2"- 2 2/3	L	SS150L038S	0.375	1	12'	1.216	SN150L038B	SF150L038	
2"- 4	R	AS200R025A	0.250	1	12'	1.695	AN200R025B	FL-2548	AF200R025
2"- 2	R	AS200R050A	0.500	1	20'	1.435	AN200R050B		AF200R050
2"- 2	L	AS200L050A	0.500	1	20'	1.435	AN200L050B		AF200L050
2"- 2	R	AS200R050S	0.500	1	12'	1.435	AN200R050B		AF200R050
2"- 2	L	AS200L050S	0.500	1	12'	1.435	AN200L050B		AF200L050
2 1/4"- 4	R	AS225R025A	0.250	1	20'	1.944	AN225R025B	FL-3137	AF225R025
2 1/4"- 4	R	AS225R025S	0.250	1	12'	1.944	AN225R025B		AF225R025
2 1/4"- 2	R	AS225R050A	0.500	1	20'	1.685	AN225R050B		AF225R050
2 1/4"- 2	L	AS225L050A	0.500	1	12'	1.685	AN225L050B		AF225L050
2 1/4"- 2	R	AS225R050S	0.500	1	12'	1.685	AN225R050B		AF225R050
2 1/4"- 2	L	AS225L050S	0.500	1	12'	1.685	AN225L050B	AF225L050	
2 1/2"- 4	R	AS250R025A	0.250	1	12'	2.193	AN250R025B	AF250R025	
2 1/2"- 4	L	AS250L025A	0.250	1	12'	2.193	AN250L025B	AF250L025	
2 1/2"- 2	R	AS250R050A	0.500	1	20'	1.934	AN250R050B	AF250R050	
2 1/2"- 2	L	AS250L050A	0.500	1	20'	1.934	AN250L050B	AF250L050	
2 1/2"- 2	R	AS250R050S	0.500	1	12'	1.934	AN250R050B	AF250R050	
2 1/2"- 2	L	AS250L050S	0.500	1	12'	1.934	AN250L050B	AF250L050	
3 3/8"- 1 1/2	R	SS338R067A	0.667	1	20'	2.902	SN338R067B	FL-4325	SF338R067
3 3/8"- 1 1/2	L	SS338L067A	0.667	1	20'	2.902	SN338L067B		SF338L067
3 1/2"- 1 1/2	R	AS350R067A	0.667	1	20'	2.760	AN350R067B		AF350R067
3 1/2"- 1 1/2	L	AS350L067A	0.667	1	20'	2.760	AN350L067B	AF350L067	
3 3/4"- 1 1/2	R	AS375R067A	0.667	1	20'	3.009	AN375R067B	FL-4750	AF375R067
3 3/4"- 1 1/2	L	AS375L067A	0.667	1	20'	3.009	AN375L067B		AF375L067
4 1/2"- 1 1/2	R	AS450R067A	0.667	1	20'	3.757	AN450R067B	FL-5497	AF450R067
4 1/2"- 1 1/2	L	AS450L067A	0.667	1	20"	3.757	AN450L067B		AF450L067
5"- 1 1/2	R	AS500R067A	0.667	1	20'	4.256	AN500R067B	FL-7066	AF500R067
5"- 1 1/2	L	AS500L067A	0.667	1	20'	4.256	AN500L067B		AF500L067
6"- 1 1/3	R	AS600R075A	0.750	1	20'	5.169	AN600R075B	FL-7847	AF600R075

All alloy steel screw material is 1045 CDS, except 1/2 inch diameter screws, which are 1018 CDS
 All stainless steel screw material is 316 SS, except 5/8 inch diameter screws, which are 304 SS
 * Double lead (2 starts)
 **Multiple lead (more than 2 starts)