

#### 1- HS Code 731815 - Threaded screws and bolts, of iron or steel, whether or not with their nuts and washers

In this category, the EU is a dependent region because its average of export to import ratio is 98% for the 3rd quarter of 2018 through the 2nd quarter of 2019 while Taiwan is a super independent country because its average of export to import ratio is 3,446% in the same period. Comparing the EU and Taiwan in the export sector shows that the EU is averagely 301% stronger than Taiwan, and in terms of import, the EU's market is 10,617% bigger than the Taiwan market. In this category USA is a dependent country because its average of export to import ratio is 77% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that Taiwan

Trade Value Unit: 1,000 USD	$EU \rightarrow World$	EU ← World	Taiwan → World	Taiwan ← World	USA → World	USA ← World
2018-Q3	1,837,933	1,880,462	629,392	16,971	513,037	665,380
2018-Q4	1,770,252	1,867,757	637,498	18,614	500,885	702,320
2019-Q1	1,945,735	1,954,354	599,740	16,280	527,500	648,711
2019-Q2	1,848,050	1,867,687	592,816	19,979	511,908	665,678

Table 1. Trade Statistics of Fastener (731815) of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	203,912	2,043	255,509	2,137	
2018-Q4	192,456	3,362	276,380	2,262	731815
2019-Q1	187,866	2,217	258,917	2,544	/31013
2019-Q2	184,746	2,943	252,741	2,528	

Table 2. Taiwan's Fastener (731815) Trade with the EU and USA from Q3 2018 Through Q2 2019

is averagely 120% stronger than USA, however, in terms of import, US market is 3,753% bigger than the Taiwan market. (See Table 1)

Table 2 shows that 31% of Taiwan's exported fasteners were bought by the EU and 10% of EU's fasteners were imported from Taiwan. On the other hand, 15% of Taiwan's imported fasteners came from the EU and 0.1% of EU's exported fasteners went to Taiwan. 42% of Taiwan's exported fasteners were bought by USA and 39% of US fasteners were imported from Taiwan. On the other hand, 13% of Taiwan's imported fasteners came from USA and 0.5% of US exported fasteners went to Taiwan.

#### 2- HS Code 731816 - Nuts of iron or steel

In this category the EU is a dependent region because its average of export to import ratio is 92% for the 3rd quarter of 2018 through the 2nd quarter of 2019 while Taiwan is a super independent country because its average of export to import ratio is 3,448% in the same period. Comparing the EU and Taiwan in the export sector shows that the EU is averagely 223% stronger than Taiwan, and in terms of import EU's

Trade Value Unit: 1,000 USD	EU → World	EU ← World	Taiwan → World	Taiwan ← World	$USA \rightarrow World$	USA ← World
2018-Q3	522,951	588,318	253,539	6,332	174,544	323,039
2018-Q4	495,290	559,944	247,860	6,685	166,121	341,991
2019-Q1	571,975	596,678	232,832	7,184	170,915	324,388
2019-Q2	537,469	559,733	225,108	7,925	175,186	327,409

Table 3. Trade Statistics of Fastener [731816] of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

market is 8,259% bigger than the Taiwan market. In this category USA is a dependent country because its average of export to import ratio is 52% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that Taiwan is averagely 138% stronger than USA, and in terms of import US market is 2,458% bigger than the Taiwan market. (See Table 3)

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Table 4 shows that 34% of Taiwan's exported fasteners were bought by the EU and 14% of EU's fasteners were imported from Taiwan. On the other hand, 14% of Taiwan's imported fasteners came from the EU and 0.2% of EU's exported fasteners went to Taiwan. 40% of Taiwan's exported fasteners were bought by USA and 29% of US fasteners were imported from Taiwan. On the other hand, 14% of Taiwan's

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	91,369	794	98,988	805	
2018-Q4	79,955	1,089	104,646	690	731816
2019-Q1	80,246	965	93,705	1,165	/31010
2019-Q2	75,765	1,087	90,006	1,198	

Table 4. Taiwan's Fastener (731816) Trade with the EU and USA from Q3 2018 Through Q2 2019

imported fasteners came from USA and 0.6% of US exported fasteners went to Taiwan.

### 3- HS Code 731814 - Self-tapping screws, of iron or steel (excluding wood screws)

In this category the EU is a dependent region because its average of export to import ratio is 86% for the 3rd quarter of 2018 through the 2nd quarter of 2019 while Taiwan is a super independent country because its average of export to import ratio is 27,961% in the same period. Comparing the EU and Taiwan in the export sector shows that EU is averagely 251% stronger than Taiwan, and in terms of import the EU's market is 81,253% bigger than the Taiwan market. In this category USA is a super dependent country because its average of export to import ratio is 12% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that Taiwan

Trade Value Unit: 1,000 USD	EU → World	EU ← World	Taiwan → World	Taiwan ← World	USA → World	USA ← World
2018-Q3	355,076	408,045	148,460	443	29,902	259,145
2018-Q4	320,367	395,547	142,709	678	29,388	266,300
2019-Q1	365,016	413,725	133,101	453	29,306	269,217
2019-Q2	357,432	403,681	135,311	485	32,192	256,909

Table 5. Trade Statistics of Fastener (731814) of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	47,599	39	50,823	42	
2018-Q4	45,203	15	51,029	46	731814
2019-Q1	40,468	11	53,172	45	/31014
2019-Q2	39,123	30	52,976	40	

Table 6. Taiwan's Fastener (731814) Trade with the EU and USA from Q3 2018 Through Q2 2019

is averagely 464% stronger than USA, and in terms of import USA's market is 52,544% bigger than the Taiwan market. (See Table 5)

Table 6 shows that 31% of Taiwan's exported fasteners were bought by the EU and 11% of EU's fasteners were imported from Taiwan. On the other hand, 5% of Taiwan's imported fasteners came from the EU and 0% of EU's exported fasteners went to Taiwan. 37% of Taiwan's exported fasteners were bought by USA and 20% of US fasteners were imported from Taiwan. On the other hand, 9% of Taiwan's imported fasteners came from USA and 0.1% of US exported fasteners went to Taiwan.

# 4- HS Code 731812 - Wood screws of iron or steel (excluding coach screws)

In this category the EU is a dependent region because its average of export to import ratio is 56% for the 3rd quarter of 2018 through the 2nd quarter of 2019 while Taiwan is a super independent country because its average of export to import ratio is 229,700% in the same period. The import value of Taiwan in this category is almost 0. Comparing the EU and Taiwan in the export sector shows that EU is averagely 201% stronger than Taiwan, and in terms of import EU's market is 844,600% bigger than the Taiwan market. USA is a super dependent country because its average of export to import ratio is 31% for the 3rd quarter of 2018 through the 2nd quarter of 2019. The import value of Taiwan in this category is almost 0. Comparing USA and Taiwan in the export sector shows that Taiwan is averagely 1,831%

Trade Value Unit: 1,000 USD	EU → World	EU ← World	Taiwan → World	Taiwan ← World	USA → World	USA ← World
2018-Q3	126,996	227,954	57,077	12	3,936	12,682
2018-Q4	109,454	202,842	56,268	56	2,619	13,645
2019-Q1	125,446	212,927	60,531	87	3,031	15,392
2019-Q2	128,167	226,674	71,007	26	4,113	20,324

Table 7. Trade Statistics of Fastener (731812) of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	30,600	0	7,022	0	
2018-Q4	31,992	8	7,826	0	731812
2019-Q1	34,782	13	6,672	0	/31012
2019-Q2	33,980	6	7,722	0	

Table 8. Taiwan's Fastener (731812) Trade with the EU and USA from Q3 2018 Through Q2 2019

stronger than USA, and in terms of import US market is 56,478% bigger than the Taiwan market. (See Table 7)

Table 8 shows that 54% of Taiwan's exported fasteners were bought by the EU and 15% of EU's fasteners were imported from Taiwan. On the other hand, 13% of Taiwan's imported fasteners came from the EU and 0% of EU's exported fasteners went to Taiwan. 12% of Taiwan's exported fasteners were bought by USA and 49% of US fasteners were imported from Taiwan. On the other hand, in this sector Taiwan does not have any import from USA.

#### 5- HS Code 731822 - Washers of iron or steel (excluding spring washers and other lock washers)

In this category the EU is a dependent region because its average of export to import ratio is 80% for the 3rd quarter of 2018 to the 2nd quarter of 2019 while Taiwan is a super independent country because its average of export to import ratio is 828 % in the same period. Comparing the EU and Taiwan in the export sector shows that the EU is averagely 742% stronger than Taiwan and in terms of import EU's market is 7,602% bigger than the Taiwan market. USA is a dependent country because its average of export to import ratio is 86% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that USA is averagely 1,831%

Trade Value Unit: 1,000 USD	$EU \rightarrow World$	EU ← World	Taiwan → World	Taiwan ← World	USA → World	USA ← World
2018-Q3	172,708	208,541	23,451	2,142	62,327	80,423
2018-Q4	157,705	204,917	23,464	2,990	63,983	83,027
2019-Q1	173,899	218,612	22,186	3,176	70,300	72,826
2019-Q2	173,106	210,923	22,278	3,042	68,176	74,374

Table 9. Trade Statistics of Fastener (731822) of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	4,252	290	9,805	300	
2018-Q4	4,133	386	10,488	288	721022
2019-Q1	3,453	382	10,852	377	731822
2019-Q2	3,561	401	10,168	710	

Table 10. Taiwan's Fastener (731822) Trade with the EU and USA from Q3 2018 Through Q2 2019

stronger than Taiwan, and in terms of import US market is 2,817% bigger than the Taiwan market. (See Table 9)

Table 10 shows that 17% of Taiwan's exported fasteners were bought by the EU and 2% of EU's fasteners were imported from Taiwan. On the other hand, 13% of Taiwan's imported fasteners came from the EU and 0.2% of EU's exported fasteners went to Taiwan. 43% of Taiwan's exported fasteners were bought by USA and 13% of US fasteners were imported from Taiwan. On the other hand, 15% of Taiwan's imported fasteners came from USA and 0.6% of US exported fasteners went to Taiwan.

### 6- HS Code 731819 - Threaded articles, of iron or steel, n.e.s.

In this category the EU is a dependent region because its average of export to import ratio is 93% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Taiwan is an independent country, too because its average of export to import ratio is 680 % in the same period. Comparing the EU and Taiwan in the export sector shows that EU is averagely 1,490 % stronger than Taiwan, and in terms of import EU's market is 10,972% bigger than the Taiwan market. USA is an independent country because its average of export to import ratio is 306% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that USA is averagely 436%

Trade Value Unit: 1,000 USD	EU → World	EU ← World	Taiwan → World	Taiwan ← World	USA → World	USA ← World
2018-Q3	331,857	349,760	23,472	3,631	90,624	32,032
2018-Q4	321,054	354,612	23,219	3,786	93,536	32,911
2019-Q1	349,098	366,738	20,851	2,898	104,663	30,816
2019-Q2	332,885	369,105	22,328	3,017	101,408	31,874

Table 11. Trade Statistics of Fastener (731819) of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	3,789	799	9,154	899	
2018-Q4	4,242	605	8,465	1,256	731819
2019-Q1	3,684	517	8,550	1,026	/31017
2019-Q2	4,432	661	9,423	1,005	

Table 12. Taiwan's Fastener (731819) Trade with the EU and USA from Q3 2018 Through Q2 2019

stronger than Taiwan, and in terms of import US market is 968% bigger than the Taiwan market. (See Table 11)

Table 12 shows that 18% of Taiwan's exported fasteners were bought by EU and 1% of EU's fasteners were imported from Taiwan. On the other hand, 19% of Taiwan's imported fasteners came from the EU and 0.2 % of EU's exported fasteners went to Taiwan. 40% of Taiwan's exported fasteners were bought by USA and 28% of US fasteners were imported from Taiwan. On the other hand, 32% of Taiwan's imported fasteners came from USA and 1.1 % of US exported fasteners went to Taiwan.

# 7- HS Code 731829 - Wood screws of iron or steel (excluding coach screws)

In this category the EU is an independent region because its average of export to import ratio is 101% for the 3rd quarter of 2018 through

Trade Value Unit: 1,000 USD	$EU \rightarrow World$	EU ← World	Taiwan → World	Taiwan ← World	$USA \rightarrow World$	USA ← World
2018-Q3	408,052	401,091	23,795	1,824	134,051	92,564
2018-Q4	386,519	400,785	21,073	2,253	112,325	93,494
2019-Q1	427,736	411,839	19,494	1,343	126,943	93,248
2019-Q2	413,846	403,575	21,267	1,315	131,147	96,590

Table 13. Trade Statistics of Fastener (731829) of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

the 2nd quarter of 2019. Taiwan is a super independent country because its average of export to import ratio is 1,327 % in the same period. Comparing the EU and Taiwan in the export sector shows that the EU is averagely 1,922 % stronger than Taiwan, and in terms of import EU's market is 25,284% bigger than the Taiwan market. USA is an independent country

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because its average of export to import ratio is 134% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that USA is averagely 591% stronger than Taiwan, and in terms of import US market is 5,878% bigger than the Taiwan market. (See Table 13)

Table 14. shows that 25% of Taiwan's exported fasteners were bought by the EU and 1% of EU's fasteners were imported from Taiwan. On the other hand, 26% of Taiwan's imported fasteners came from the EU and 0.1 % of EU's exported fasteners went to Taiwan. 36%

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	5,775	737	8,910	309	
2018-Q4	4,881	377	7,365	375	731829
2019-Q1	5,365	273	6,272	441	/31027
2019-Q2	5,456	358	8,029	357	

Table 14. Taiwan's Fastener (731829) Trade with the EU and USA from Q3 2018 Through Q2 2019

of Taiwan's exported fasteners were bought by USA and 8% of US fasteners were imported from Taiwan. On the other hand, 23% of Taiwan's imported fasteners came from USA and 0.3 % of US exported fasteners went to Taiwan.

### **8- HS CODE 731823 -** Rivets of iron or steel (excluding tubular and bifurcated rivets for particular uses)

In this category the EU is a super dependent region because its average of export to import ratio is 17% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Taiwan is a super independent country because its average of export to import ratio is 1,784% in the same period. Comparing the EU and Taiwan in the export sector shows that the EU is averagely 833 % stronger than Taiwan, and in terms of import EU's market is 86,080% bigger than the Taiwan market. USA is an independent country because its average of export to import ratio is 151% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that USA is

Trade Value Unit: 1,000 USD	EU → World	EU ← World	Taiwan → World	Taiwan ← World	$USA \to World$	USA ← World
2018-Q3	71,316	401,091	8,762	555	26,994	16,985
2018-Q4	63,145	400,785	8,543	404	27,021	17,386
2019-Q1	73,883	411,839	7,207	456	27,404	19,172
2019-Q2	68,722	403,575	9,099	489	27,144	18,374

Table 15. Trade Statistics of Fastener (731823) of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	2,028	83	3,793	210	
2018-Q4	1,877	118	3,971	101	731823
2019-Q1	1,768	81	3,467	184	/31023
2019-Q2	1,989	89	4,544	211	

Table 16. Taiwan's Fastener (731823) Trade with the EU and USA from Q3 2018 Through Q2 2019

averagely 326 % stronger than Taiwan, and in terms of import US market is 3,831% bigger than the Taiwan market. (See Table 15)

Table 16 shows that 23% of Taiwan's exported fasteners were bought by the EU and 0.5% of EU's fasteners were imported from Taiwan. On the other hand, 20% of Taiwan's imported fasteners came from the EU and 0.1 % of EU's exported fasteners went to Taiwan. 47% of Taiwan's exported fasteners were bought by USA and 22% of US fasteners were imported from Taiwan. On the other hand, 37% of Taiwan's imported fasteners came from USA and 0.7 % of US exported fasteners went to Taiwan.

# 9- HS CODE 731824 - Cotters and cotter pins, of iron or steel

In this category the EU is a dependent region because its average of export to import ratio is 86% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Taiwan is an independent country, too because its average of export to import ratio is 356 % in the same period.

Trade Value Unit: 1,000 USD	EU → World	EU ← World	Taiwan → World	Taiwan ← World	$USA \to World$	USA ← World
2018-Q3	47,427	55,290	9,765	2,421	40,256	15,122
2018-Q4	46,197	52,102	8,962	2,470	38,072	15,254
2019-Q1	53,115	60,295	8,645	2,536	38,222	13,951
2019-Q2	50,006	60,672	9,018	2,832	36,954	15,913

Table 17. Trade Statistics of Fastener [731824] of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	2,246	467	3,689	273	
2018-Q4	1,653	366	3,430	392	731824
2019-Q1	1,928	272	3,719	513	/31024
2019-Q2	1,533	326	3,577	673	

Table 18. Taiwan's Fastener (731824) Trade with the EU and USA from Q3 2018 Through Q2 2019

Comparing the EU and Taiwan in the export sector shows that the EU is averagely 543% stronger than Taiwan, and in terms of import EU's market is 2,228% bigger than the Taiwan market. USA is an independent country because its average of export to import ratio is 255% for the 3rd quarter of 2018 to the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that USA is averagely 422% stronger than Taiwan, and in terms of import US market is 589% bigger than the Taiwan market. (See Table 17)

Table 18 shows that 20% of Taiwan's exported fasteners were bought by the EU and 3% of EU's fasteners were

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imported from Taiwan. On the other hand, 14% of Taiwan's imported fasteners came from the EU and 0.7% of EU's exported fasteners went to Taiwan. 40% of Taiwan's exported fasteners were bought by USA and 24% of US fasteners were imported from Taiwan. On the other hand, 18% of Taiwan's imported fasteners came from USA and 1.2% of US exported fasteners went to Taiwan.

#### 10- HS Code 731821 - Spring washers and other lock washers, of iron or steel

In this category the EU is an independent region because its average of export to import ratio is 126% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Taiwan is an independent country because its average of export to import ratio is 261% in the same period. Comparing the EU and Taiwan in the export sector shows that the EU is averagely 4,345% stronger than Taiwan, and in terms of import EU's market is 8,953 % bigger than the Taiwan market. USA is a dependent country because its average of export to import ratio is 73% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that USA is averagely 570%

Trade Value Unit: 1,000 USD	EU → World	EU ← World	Taiwan → World	Taiwan ← World	USA → World	USA ← World
2018-Q3	118,126	88,724	2,940	1,263	15,582	21,729
2018-Q4	106,469	88,973	2,637	922	15,506	23,262
2019-Q1	123,287	97,893	2,384	1,042	13,972	19,925
2019-Q2	113,007	88,952	2,721	920	15,708	18,618

Table 19. Trade Statistics of Fastener (731821) of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

	Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
	2018-Q3	258	680	1,269	283	
	2018-Q4	280	317	1,120	190	731821
	2019-Q1	197	431	1,145	117	/31021
Ì	2019-Q2	267	404	1,491	162	

Table 20. Taiwan's Fastener (731821) Trade with the EU and USA from Q3 2018 Through Q2 2019

stronger than Taiwan, and in terms of import US market is 2,045% bigger than the Taiwan market. (See Table 19)

Table 20 shows that 9% of Taiwan's exported fasteners were bought by the EU and 0.3% of EU's fasteners were imported from Taiwan. On the other hand, 43% of Taiwan's imported fasteners came from the EU and 0.4% of EU's exported fasteners went to Taiwan. 47% of Taiwan's exported fasteners were bought by USA and 6% of US fasteners were imported from Taiwan. On the other hand, 18% of Taiwan's imported fasteners came from USA and 1.2% of US exported fasteners went to Taiwan.

#### 11- HS Code 731811 - Coach screws of iron or steel

In this category the EU is a dependent region because its average of export to import ratio is 80% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Taiwan is an independent country because its average of export to import ratio is 381% in the same period. Comparing the EU and Taiwan in the export sector shows that the EU is averagely 1,799 % stronger than Taiwan, and in terms of import EU's market is 8,485 % bigger than the Taiwan market. USA is a dependent country because its average of export to import ratio is 76% for the 3rd quarter of 2018 through the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that USA is averagely 311% stronger

Trade Value Unit: 1,000 USD		EU ← World	Taiwan → World	Taiwan ← World	USA → World	USA ← World
2018-Q3	27,288	34,963	1,394	400	5,832	7,042
2018-Q4	25,666	35,493	1,684	290	3,450	6,672
2019-Q1	26,727	32,820	1,626	472	5,064	5,680
2019-Q2	29,826	34,544	1,441	575	4,467	5,616

Table 21. Trade Statistics of Fastener (731811) of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	174	302	835	7	
2018-Q4	227	174	1,125	8	731811
2019-Q1	317	346	1,025	2	/31011
2019-Q2	342	441	837	19	

Table 22. Taiwan's Fastener (731811) Trade with the EU and USA from Q3 2018 Through Q2 2019

than Taiwan, and in terms of import US market is 1,560 % bigger than the Taiwan market. (See Table 21)

Table 22 shows that 17% of Taiwan's exported fasteners were bought by the EU and 1% of EU's fasteners were imported from Taiwan. On the other hand, 71% of Taiwan's imported fasteners came from the EU and 1.1% of EU's exported fasteners went to Taiwan. 62% of Taiwan's exported fasteners were bought by USA and 15% of US fasteners were imported from Taiwan. On the other hand, 2% of Taiwan's imported fasteners came from USA and 0.2% of US exported fasteners went to Taiwan.

### 12- HS Code 731813 - Screw hooks and screw rings, of iron or steel

In this category the EU is a dependent country because the average of export to import ratio is 90% for the 3rd quarter of 2018 to 2nd quarter of 2019. Taiwan is an independent country because the average of export to import ratio is 1238% in the same period. Comparing the EU and Taiwan in the export sector shows that the EU is averagely 3,292% stronger than Taiwan, and in terms of import EU's market is 45,810% bigger than the Taiwan market. USA is a dependent country because its average of export to import ratio is 76% for the 3rd quarter of 2018 to the 2nd quarter of 2019. Comparing USA and Taiwan in the export sector shows that USA is averagely 359% stronger

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Trade Value Unit: 1,000 USD	$EU \rightarrow World$	EU ← World	Taiwan → World	Taiwan ← World	$USA \rightarrow World$	USA ← World
2018-Q3	26,219	30,170	949	103	2,767	4,878
2018-Q4	24,744	30,718	707	55	2,836	4,368
2019-Q1	30,071	30,909	825	56	3,417	3,335
2019-Q2	29,842	30,890	915	72	3,008	3,813

Table 23. Trade Statistics of Fastener (731813) of the EU, USA and Taiwan from Q3 2018 Through Q2 2019

Trade Value Unit: 1,000 USD	Taiwan's Exports to the EU	Taiwan's Imports from the EU	Taiwan's Exports to USA	Taiwan's Imports from USA	Product code
2018-Q3	165	1	253	0	
2018-Q4	127	2	170	18	731813
2019-Q1	178	23	104	3	/31013
2019-Q2	203	7	168	3	

Table 24. Taiwan's Fastener (731813) Trade with the EU and USA from Q3 2018 Through Q2 2019

than Taiwan, and in terms of import US market is 5,982 % bigger than the Taiwan market. (See Table 23)

Table 24 shows that 20% of Taiwan's exported fasteners were bought by the EU and 1% of EU's fasteners were imported from Taiwan. On the other hand, 14% of Taiwan's imported fasteners came from the EU and 0% of EU's exported fasteners went to Taiwan. 20% of Taiwan's exported fasteners were bought by USA and 4% of US fasteners were imported from Taiwan. On the other hand, 11% of Taiwan's imported fasteners came from USA and 0.2% of US exported fasteners went to Taiwan.

# **Last Word**

Taiwan and USA have built a strong and mutual beneficial economic relationship for more than half a century. According to STAFDA, one of the largest foreign suppliers of fasteners for US partners is Taiwan, and it is the 8th largest partner of USA.

Based on the statistics above,

- In all sectors of HS Code 7318 US and the EU markets were both bigger than the Taiwan market.
- In HS Codes 731815, 731816, 731814 and 731812, Taiwan's exported numbers are bigger than the US and in the rest, US exported numbers are bigger than Taiwan's.
- As it was predictable in all fastener sectors Taiwan is an independent country but the US in most sectors is a dependent country, however, it is an independent country in HS Codes

731819, 731829, 731823 and 731824.

- In all sectors of HS Code 7318 the EU market was bigger than the Taiwan market.
- In all sectors, Taiwan's exported numbers are smaller than EU's numbers.
- As it was predictable in all fastener sectors, Taiwan is an independent country but the EU in most of the sectors is a dependent region, however, it is an independent region in HS Codes 731829 and 731821.

