

Fastener Trade Statistics of BRAZIL in 2018-2022

巴西扣件進出口統計



According to the International Monetary Fund (IMF), Brazil's Gross Domestic Product (GDP) reached approximately US\$1.64 trillion in 2021, placing it 12th among the world's major economies. Brazil is also one of the Latin American countries with relatively advanced development and particularly dynamic industrial activities. The booming development of the country's automotive, steel, aerospace and other industries has also driven the demand for many fastener products.

According to the Brazilian Customs' Trade Database, in terms of net import weight, Brazil imported a total of 192,700 metric tons of fastener products (HS code 7318) from the world in 2022, which amounted to about US\$998 million in terms of import value; in terms of net export weight, Brazil exported about 30,800 metric tons of fastener products to the world in 2022, which amounted to about US\$167 million in terms of export value. Although its import and export weight and value are not as high as those of major fastener importers and exporters such as Taiwan, Japan, S. Korea, and the United States, it is still a demand and supply market for fasteners that cannot be ignored in the Central and South American region.

Import

Table 1 shows that the net import weight of fasteners of Brazil declined from 138,500 tons in 2018 to 117,300 tons in 2020, but showed a significant growth in 2021-2022, and the net import weight in these two years was even much higher than the record in 2018-2020. The same trend is also observed in the import value (**Table 4**), indicating that the demand for fasteners in Brazil was clearly picking up.

Table 2 shows Brazil's top 20 sources of fastener imports in 2022. The top 5 in 2022 were China, Japan, Italy, the United States and Taiwan, with net import weights of 100,700 metric tons, 13,600 metric tons, 12,500 metric tons, 11,100 metric tons, and 9,700 metric tons, respectively. More than 50% of Brazil's fasteners were imported from China, and in just two years from 2020-2022, the net weight of imports doubled, showing a heavy reliance on China's supply chain. To observe from the import value (**Table 5**) the ranking was slightly changed. The top 5 sources of imports in 2022 were China, the United States, Japan, Germany, and Italy, with the import values of US\$ 271 million, US\$ 171 million, US\$ 93 million, US\$ 90 million and US\$ 74 million, respectively. Whether in terms of import weight or import value, 2021 is a significant turning point. Brazilian demand for Chinese fasteners doubled in that year and this trend continued through 2022.

To view from the imported fastener categories, in terms of net import weight (**Table 3**), the top 3 imported fasteners of Brazil in 2022 were iron and steel screws & bolts (731815), iron and steel nuts (731816), and iron and steel self-tapping screws (731814). In terms of import value (**Table 6**), the top 3 fasteners imported into Brazil in the same year were iron and steel screws & bolts (731815), iron and steel nuts (731816), and iron and steel non-threaded articles (731829).

Table 1. Brazilian Fastener Import by Net Weight (KG)

SH4 Code	SH4 Description	2022	2021	2020	2019	2018
7318	Screws, bolts, nuts, coach screws, screw hooks, rivets, cotters, cotter-pins, washers (including spring washers) and similar articles, of iron or steel	192,708,581	189,719,587	117,320,777	137,017,952	138,568,754



Table 2. Top 20 Fastener Import Origins of Brazil by Net Weight (KG)

Country / Region	2022	2021	2020	2019	2018
China	100,766,662	99,196,378	49,962,926	46,796,157	46,156,531
Japan	13,667,468	11,751,692	7,886,444	14,622,117	14,773,777
Italy	12,550,229	13,704,420	8,749,336	11,970,146	12,965,280
USA	11,199,722	11,197,040	10,055,898	12,422,064	11,150,328
Taiwan	9,746,922	10,116,691	9,020,345	10,400,409	12,951,902
Germany	9,259,588	9,739,810	7,013,462	8,513,660	8,695,961
South Korea	6,077,576	5,517,563	4,036,272	5,920,857	5,205,451
India	5,131,342	6,227,099	4,944,127	4,665,221	3,088,160
Thailand	3,382,370	2,778,696	1,868,338	2,787,255	3,117,293
France	3,151,734	2,895,716	2,222,674	3,868,660	5,148,975
Sweden	3,122,415	3,098,102	1,930,429	2,593,466	2,159,127
Spain	1,773,057	1,726,985	1,276,925	1,534,824	1,956,143
Belgium	1,635,031	1,079,212	703,857	887,522	689,010
Netherlands	1,349,628	1,460,402	870,590	1,129,435	796,622
Hong Kong	1,348,414	993,065	361,335	980,092	1,131,387
United Kingdom	1,287,724	1,319,264	1,129,827	966,790	896,044
Turkey	1,174,575	1,281,949	676,461	845,479	1,005,067
Indonesia	973,533	783,390	575,475	806,953	1,042,792
Argentina	625,043	759,195	513,627	500,283	467,060
Poland	601,223	589,173	514,352	928,861	1,074,702

Table 3. Main Imported Fastener Categories by Net Weight (KG)

SH6 Code	SH6 Description	2022	2021	2020	2019	2018
731815	Threaded screws and bolts, of iron or steel, whether or not with their nuts and washers (excl. coach screws and other wood screws, screw hooks and screw rings, self-tapping screws, lag screws, stoppers, plugs and the like, threaded)	88,547,287	87,658,453	56,183,202	69,953,281	67,595,292
731816	Nuts of iron or steel	27,793,100	28,577,005	14,103,809	19,141,953	19,858,383
731814	Self-tapping screws, of iron or steel (excl. wood screws)	20,823,861	19,370,904	14,161,540	12,498,050	12,109,584
731829	Non-threaded articles, of iron or steel	19,107,371	17,748,168	12,045,534	12,590,282	12,717,247
731812	Wood screws of iron or steel (excl. coach screws)	12,432,739	12,750,757	5,338,371	5,674,185	7,929,679
731819	Threaded articles, of iron or steel, n.e.s.	10,328,888	10,571,278	7,169,046	8,027,661	8,423,479
731822	Washers of iron or steel (excl. spring washers and other lock washers)	7,536,542	7,814,940	4,969,241	5,493,024	5,735,135
731821	Spring washers and other lock washers, of iron or steel	2,032,370	1,899,042	1,093,921	1,463,809	1,489,826
731823	Rivets of iron or steel (excl. tubular and bifurcated rivets for particular uses)	1,900,908	1,694,841	1,071,576	1,118,140	1,484,198
731824	Cotters and cotter pins, of iron or steel	1,067,503	967,550	784,370	660,147	849,360
731811	Coach screws of iron or steel	645,608	75,813	80,127	54,381	114,376
731813	Screw hooks and screw rings, of iron or steel	492,404	590,836	320,040	343,039	262,195



Table 4. Brazilian Fastener Import by US\$ FOB

SH4 Code	SH4 Description	2022	2021	2020	2019	2018
7318	Screws, bolts, nuts, coach screws, screw hooks, rivets, cotters, cotter-pins, washers (including spring washers) and similar articles, of iron or steel	998,191,238	884,392,334	652,318,601	806,808,846	819,556,390

Table 5. Top 20 Fastener Import Origins of Brazil by US\$ FOB

Country	2022	2021	2020	2019	2018
China	271,537,813	224,060,708	126,741,560	126,506,211	129,307,451
USA	171,698,982	141,310,591	139,283,566	176,457,585	162,548,913
Japan	93,538,350	86,597,842	60,248,841	82,933,597	87,921,451
Germany	90,276,006	88,782,296	66,061,043	79,602,974	80,318,464
Italy	74,259,260	79,993,962	52,027,462	66,793,054	73,913,831
France	43,425,798	36,884,444	30,020,336	48,679,532	55,127,303
Taiwan	38,115,625	33,703,948	32,668,578	45,206,766	49,356,605
South Korea	32,223,746	25,635,873	18,272,826	28,161,462	25,864,546
Sweden	23,685,241	25,151,998	16,169,324	19,636,682	19,088,462
India	23,421,156	21,002,690	14,993,066	14,208,340	12,728,903
Thailand	14,890,670	12,827,725	10,220,368	13,785,684	14,359,139
United Kingdom	14,507,632	13,652,837	14,190,231	13,528,693	11,639,650
Spain	14,230,598	13,519,025	8,913,526	11,977,354	14,453,090
Belgium	9,737,846	7,205,251	5,759,311	7,078,056	6,476,320
Turkey	8,162,984	8,428,000	6,189,620	8,756,390	10,278,275
Netherlands	7,396,767	7,389,145	4,719,716	6,276,729	7,785,496
Switzerland	6,484,087	6,363,577	5,104,329	5,636,500	5,844,775
Indonesia	6,242,294	5,509,218	4,064,010	4,640,943	5,353,688
Canada	5,791,222	4,496,829	4,728,805	5,856,909	4,426,815
Mexico	5,289,779	6,252,578	4,609,965	4,031,697	3,654,717

Table 6. Main Imported Fastener Categories by US\$ FOB

SH6 Code	SH6 Description	2022	2021	2020	2019	2018
731815	Threaded screws and bolts, of iron or steel, whether or not with their nuts and washers (excl. coach screws and other wood screws, screw hooks and screw rings, self-tapping screws, lag screws, stoppers, plugs and the like, threaded)	455,126,912	400,246,830	297,652,375	371,127,355	377,237,942
731816	Nuts of iron or steel	161,912,401	144,936,519	105,189,405	143,906,342	143,439,509
731829	Non-threaded articles, of iron or steel	156,774,613	141,596,869	112,995,322	136,955,258	139,823,525
731822	Washers of iron or steel (excl. spring washers and other lock washers)	61,491,843	52,709,706	38,638,114	48,686,717	47,810,705
731819	Threaded articles, of iron or steel, n.e.s.	49,378,204	45,321,574	32,458,845	36,341,622	35,404,031
731814	Self-tapping screws, of iron or steel (excl. wood screws)	46,866,009	39,432,452	29,336,256	29,354,817	30,277,109
731812	Wood screws of iron or steel (excl. coach screws)	22,162,711	20,308,745	8,025,912	9,451,390	13,088,747
731821	Spring washers and other lock washers, of iron or steel	18,334,228	17,273,317	11,328,317	12,556,422	12,481,737
731824	Cotters and cotter pins, of iron or steel	11,792,808	10,712,632	8,645,475	9,241,552	9,551,650
731823	Rivets of iron or steel (excl. tubular and bifurcated rivets for particular uses)	10,466,886	9,050,393	6,351,385	7,607,930	8,466,804
731813	Screw hooks and screw rings, of iron or steel	2,775,106	2,562,188	1,466,733	1,402,845	1,571,468
731811	Coach screws of iron or steel	1,109,517	241,109	230,462	176,596	403,163



Table 7. Brazilian Fastener Export by Net Weight (KG)

SH4 Code	SH4 Description	2022	2021	2020	2019	2018
7318	Screws, bolts, nuts, coach screws, screw hooks, rivets, cotters, cotter-pins, washers (including spring washers) and similar articles, of iron or steel	30,812,501	50,157,593	23,165,879	22,312,907	25,425,367

Table 8. Top 20 Fastener Export Destinations of Brazil by Net Weight (KG)

Country	2022	2021	2020	2019	2018
Argentina	14,222,500	13,908,911	10,550,285	8,009,709	9,218,731
Paraguay	4,684,807	5,324,998	4,211,725	3,997,644	5,059,188
USA	4,118,731	3,525,384	2,131,614	2,434,641	2,263,435
Uruguay	1,289,362	1,400,254	1,163,353	937,487	1,151,930
Germany	1,185,351	1,003,379	606,914	810,408	1,340,189
Bolivia	983,637	1,103,761	737,701	1,142,601	1,319,509
France	898,740	845,112	462,014	643,739	1,014,834
Mexico	502,605	569,757	382,839	635,514	593,659
Chile	388,858	477,039	397,698	388,369	363,113
Colombia	376,004	271,655	297,503	397,807	276,739
India	226,103	294,263	297,929	566,818	601,764
Ecuador	216,230	247,068	191,173	208,051	231,308
China	159,355	440,541	188,686	131,952	203,124
Peru	147,613	18,947,746	146,510	181,447	158,501
Portugal	115,893	147,272	107,628	164,883	117,302
Belgium	115,108	10,889	14,475	22,203	61,164
Lithuania	109,790	160,012	0	21	34
Uzbekistan	107,258	69,448	73,649	46,414	36,417
South Africa	99,197	173,050	123,641	185,486	259,500
Italy	95,742	42,499	45,819	35,160	22,134

Table 9. Main Exported Fastener Categories by Net Weight (KG)

SH6 Code	SH6 Description	2022	2021	2020	2019	2018
731815	Threaded screws and bolts, of iron or steel, whether or not with their nuts and washers (excl. coach screws and other wood screws, screw hooks and screw rings, self-tapping screws, lag screws, stoppers, plugs and the like, threaded)	18,939,224	37,614,179	12,685,613	12,228,076	13,729,670
731816	Nuts of iron or steel	5,337,659	5,257,155	4,374,064	4,393,692	4,536,474
731819	Threaded articles, of iron or steel, n.e.s.	1,699,538	1,648,904	1,059,836	1,183,600	1,741,339
731829	Non-threaded articles, of iron or steel	1,084,268	1,291,780	953,401	1,595,678	1,324,113
731812	Wood screws of iron or steel (excl. coach screws)	960,780	1,150,725	907,843	483,857	741,379
731814	Self-tapping screws, of iron or steel (excl. wood screws)	902,548	926,192	935,908	828,737	967,746
731811	Coach screws of iron or steel	556,403	774,033	1,168,361	543,926	927,521
731822	Washers of iron or steel (excl. spring washers and other lock washers)	542,941	667,034	483,728	446,241	605,139
731823	Rivets of iron or steel (excl. tubular and bifurcated rivets for particular uses)	394,508	384,184	277,199	325,300	506,679
731821	Spring washers and other lock washers, of iron or steel	237,172	305,587	238,868	198,790	244,209
731824	Cotters and cotter pins, of iron or steel	105,565	92,218	52,840	58,687	72,105
731813	Screw hooks and screw rings, of iron or steel	51,895	45,602	28,218	26,323	28,993



Table 10. Brazilian Fastener Export by US\$ FOB

SH4 Code	SH4 Description	2022	2021	2020	2019	2018
7318	Screws, bolts, nuts, coach screws, screw hooks, rivets, cotters, cotter-pins, washers (including spring washers) and similar articles, of iron or steel	167,677,895	138,453,524	129,207,343	180,725,098	148,563,760

Table 11. Top 20 Fastener Export Destinations of Brazil by US\$ FOB

Country	2022	2021	2020	2019	2018
Argentina	53,858,573	40,974,508	23,366,770	21,639,118	27,686,598
USA	33,677,891	26,583,345	47,340,293	77,379,878	41,206,681
Paraguay	15,362,517	14,762,486	9,175,470	9,223,589	11,703,425
Germany	8,618,761	6,498,142	4,556,665	5,788,632	8,483,979
France	7,954,991	7,871,785	6,053,381	7,715,226	8,194,391
Mexico	5,176,732	4,716,879	4,145,237	6,420,480	5,368,730
Uruguay	4,939,900	4,127,526	2,754,394	2,619,840	3,194,613
Colombia	4,854,017	3,124,487	2,651,951	3,698,394	3,400,822
Chile	4,432,643	3,899,903	3,547,191	4,765,508	3,634,530
Bolivia	4,239,296	3,606,545	2,230,036	3,512,978	4,129,486
Peru	2,897,090	2,466,894	1,732,577	1,923,376	1,769,300
United Kingdom	1,555,062	1,217,471	2,716,974	4,805,319	3,445,986
India	1,494,892	2,574,225	2,090,699	4,122,560	6,751,770
Ecuador	1,404,519	987,223	693,992	1,019,640	881,487
Uzbekistan	1,312,855	807,162	785,320	516,589	443,061
Italy	1,305,646	893,579	896,229	1,139,879	656,323
Portugal	1,219,638	490,499	462,624	2,026,605	712,453
China	1,159,438	2,072,912	1,377,769	1,329,647	1,903,869
South Africa	1,041,968	1,118,595	850,372	1,340,593	1,598,813
Canada	989,873	302,188	333,998	310,088	316,502

Table 12. Main Exported Fastener Categories by US\$ FOB

SH6 Code	SH6 Description	2022	2021	2020	2019	2018
731815	Threaded screws and bolts, of iron or steel, whether or not with their nuts and washers (excl. coach screws and other wood screws, screw hooks and screw rings, self-tapping screws, lag screws, stoppers, plugs and the like, threaded)	83,458,219	63,239,087	50,347,380	67,760,688	60,302,366
731816	Nuts of iron or steel	30,928,621	26,911,903	28,978,869	42,201,888	26,078,668
731829	Non-threaded articles, of iron or steel	16,649,237	16,313,875	22,776,990	39,680,223	29,310,443
731819	Threaded articles, of iron or steel, n.e.s.	11,594,599	10,652,388	7,507,368	9,588,402	11,156,429
731822	Washers of iron or steel (excl. spring washers and other lock washers)	7,598,202	6,119,437	7,924,216	10,276,981	6,833,317
731814	Self-tapping screws, of iron or steel (excl. wood screws)	4,216,984	3,911,200	2,984,853	3,033,972	3,362,096
731824	Cotters and cotter pins, of iron or steel	3,165,705	1,866,416	1,118,692	1,589,091	1,654,187
731812	Wood screws of iron or steel (excl. coach screws)	3,149,292	3,193,722	1,969,836	1,242,090	2,026,945
731823	Rivets of iron or steel (excl. tubular and bifurcated rivets for particular uses)	3,031,778	2,417,320	2,355,283	2,908,192	4,347,489
731821	Spring washers and other lock washers, of iron or steel	2,384,692	2,070,286	1,379,398	1,404,522	1,816,164
731811	Coach screws of iron or steel	1,231,042	1,508,897	1,724,811	903,965	1,524,631
731813	Screw hooks and screw rings, of iron or steel	269,524	248,993	139,647	135,084	151,025



Export

Table 7 shows that the annual weight of fastener products exported from Brazil to the world remained at about 22-25 thousand metric tons over the 2018-2022 period, but then suddenly doubled in 2021 to about 50 thousand metric tons, then stabilized and declined to about 30 thousand metric tons in 2022. To observe from the export value (**Table 10**), the value of fasteners exported from Brazil to the world peaked at US\$180 million in 2019, while the lowest point was at US\$129 million in 2020 when the pandemic burst out. The record in 2022 outperformed that in 2021, and should slowly rebound to the 2019 level if the growth trend remains unchanged.

Table 8 shows the top 20 major export destinations of Brazil in 2022. The top 5 countries were Argentina, Paraguay, the United States, Uruguay, and Germany, with the export weights of 14.2 thousand tons, 4,600 tons, 4,100 tons, 1,200 tons, and 1,100 tons, respectively. Among them, about 46% were exported to Argentina. The data also show that Brazilian fasteners were mainly sold to the American market (especially South America). If we look at the export value (**Table 11**), the ranking basically did not change a lot, and the top 5 rankings were Argentina, the United States, Paraguay, Germany, and France, with the export value of US\$ 53 million, US\$ 33 million, US\$ 15 million, US\$ 8 million, and US\$ 7 million, respectively.

To view the exported fastener categories, in terms of net export weight (**Table 9**), the top 3 major fastener products exported from Brazil to the world in 2022 were iron and steel screws & bolts (731815), iron and steel nuts (731816), and iron and steel non-threaded articles (731819), and in terms of export value (**Table 12**), the top 3 fastener products exported from Brazil to the world in the same year were iron and steel screws & bolts (731815), iron and steel nuts (731816), and iron and steel non-threaded articles (731829).

Summary

Brazil is currently Taiwan's 2nd largest fastener export destination in Latin America, but its proportion in 2022 only accounted for less than 0.5% of Taiwan's total fastener export. Compared to Mexico, which has accounted for more than 2% of Taiwan's total exports of fasteners, there is still much room for Taiwan's fastener export to Brazil. And, with the fact that Taiwan is still among Brazil's top 5 fastener import sources, Brazilian buyers show a certain demand for Taiwanese fasteners. If Taiwanese fastener suppliers would like to enhance the development of Latin America, Brazil (in addition to Mexico) may also be a good approach and market worthy of strengthening the development.

Article by Gang Hao Chang, Vice Editor-in-Chief of Fastener World

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