

Uniform Standards of Ferrous Scraps

"Uniform Standards" are the criteria used for a distribution of iron scraps, and set up according to types and grades etc. The standard listed below is used as a national standard. Iron scraps which meet the requirement mean they are a product, however, some manufacturers use their own standard since a production capacity and goods vary at each work.

Classification	Category	Grade	Dimensions (mm)		Unit Weight (kg)	Remarks
			Thickness	Width or Height × Length		
Carbon Steel Scrap	Heavy	Being sized by guillotine shear, gas cutting, heavy construction machines, or others, to be divided, according to thickness, size, and unit weight, into the following:				
		H5	6 ≤	≤500 × ≤700	≤600	
		H1	6 ≤	≤500 × ≤1200	≤1000	
		H2	3 ≤ t < 6	≤500 × ≤1200	≤1000	
		H3	1 ≤ t < 3	≤500 × ≤1200	≤1000	
		H4	< 1	≤500 × ≤1200	≤1000	
	Press	The basic material being chiefly steel-sheet-fabricated products and being compression-formed and rectangular parallelepiped by a press machine, to be divided, according to basic materials, into the following:				
		A	W+H+L ≤ 1800, with the max dimension ≤ 800			Automobiles (mainly from End of Life Vehicles)
		B	W+H+L ≤ 1800, with the max dimension ≤ 800			Except for Press A and C
		C	600 ≤ W+H+L ≤ 1800			Cans for food/drink
	Shredded	The basic material being chiefly steel-sheet-fabricated products and being crushed by shredder and then sorted by magnetic classifier, to be divided, according to basic materials, into the following:				
		A				Automobiles (mainly from End of Life Vehicles)
		B				Except for Shredded A
	New Scrap (Shindachi)	Consisting of cutting and blanking chips produced during the manufacture of steel-sheet-fabricated products, to be divided, according to shape and degree of oxidation, into the following:				
		Shredded				Shredded
		Press A	W+H+L ≤ 1800, with the max dimension ≤ 800			Hot or cold Sheet with no rust excluding coated sheet
		Press B	W+H+L ≤ 1800, with the max dimension ≤ 800			Hot or cold Sheet with some rust, incl Coated sheet without harm for steel making
		Busheling A	W or H ≤ 500 × L ≤ 1200			Hot or cold Sheet with no rust excluding coated sheet
		Busheling B	W or H ≤ 500 × L ≤ 1200			Hot or cold Sheet with some rust, incl Coated sheet without harm for steel making
	Turning	Consisting of cutting chips, produced during the manufacture of screws, machine parts, and the like, to be divided, according to shape and degree of oxidation, into the following:				
		A				Turning of mild steel with no rust, in fine forms
		B				Turning of mild steel with some rust, in various forms
		Press	W+H+L ≤ 1800, with the max dimension ≤ 800			Press of Turning of mild steel with no rust, in fine forms
Pig Iron Scrap	Cast Iron	Consisting of used castings finely crushed into blocks, to be divided, according to basic materials, into the following:				
		A	Length of one dimension ≤ 1200		≤ 1000	Machinery parts, Clean Auto Blocks etc.
	B	Length of one dimension ≤ 1200		≤ 1000	Charging box cast, unstripped auto blocks	
	Iron Boring	Consisting of cutting chips produced during the production of castings, to be divided, according to the degree of oxidation, into the following:				
		A				Iron boring of mild casting with no rust
B				Iron boring of mild casting with some rust		