

TECHNICAL SPECIFICATIONS
For scrap of ferrous metal of JSC "Metbela"

Type	Composition, description, contamination of scrap and waste of ferrous metals	Maximum dimensions, thickness (mm), weight, contamination
3A	<p style="text-align: center;"><u>Carbon steel scrap and waste:</u></p> <ol style="list-style-type: none"> 1. The basis of this type is composed of lump cut scrap and waste with a metal thickness of 3 mm or more, including overall frames of trucks, platforms, trailers, channels, angles, I-beams, sheet iron, pipes with a diameter of up to 200 mm, etc. 2. There may be up to 20% of the weight of a batch of scrap type 12A in a lump with a metal thickness varying from 1 to 3 mm (including stamping, strip waste, wire, body iron, galvanized, enamelled, tinned, chromed and coated tin with other galvanic compounds in overall dimensions. Scrap must be cleaned of non-metallic impurities!!! 3. There may be up to 10% of the weight of a batch of scrap type 17A in a lump (crushed cast iron batteries, plumbing pipes, disassembled valves, gearbox housings, electric motors, heads and disassembled blocks of automobile engines, etc.) 4. Stamping and die-cutting “new” or with a rust coating of 1 mm or more in overall dimensions, bolts, nuts, screws, nails, studs, washers, etc. The minimum piece weight is not regulated. 5. Alloyed scrap, including the following: bearings, turnouts, excavator bucket teeth, crusher plates, tracks, etc. (identical to 3B2.3). 6. Uncut rims of automobile wheels with a diameter of up to 600 mm. 7. Straight-line reinforcement up to 1000 mm long. 8. Steel cables, ropes up to 1.5 m. 9. <u>Scrap steel after processing using shearing press</u> <p style="text-align: center;"><u>Not allowed:</u></p> <ol style="list-style-type: none"> 1. Pipes with a diameter of more than 200 mm (given the diameter of more than 200 mm, pipes must be cut along the generatrix or flattened). 2. Tangled reinforcement and wire (in “bundles”). 3. Scrap and waste of non-ferrous metals. 4. Scrap mixed with chips 5. Scrap covered with ground, slag, scrub. 6. Explosive household items: <ul style="list-style-type: none"> - cylinders with unknown contents (oxygen, propane, acetylene, etc.) - fire extinguishers of all brands - assembled units and components of machines containing explosive combustible and flammable substances - uncut 200 litre barrels and any other uncut containers with a volume of more than 100 litres 7. Explosive military items, including neutralized ones 8. Cast iron counterweights from automotive and construction equipment. 	<ol style="list-style-type: none"> 1. Dimensions 1500*500*500 mm, Maximum piece weight no more than 0.5 t The minimum piece weight is not regulated 2. Contamination with harmless impurities should not exceed 3%

0A(Bonus)	<u>Carbon steel scrap and waste:</u> <ol style="list-style-type: none"> Structural scrap (channels, angles, I-beams, etc.), sheet scrap, scrap with curvature (elements of pipes, containers), overall frames of railway cars, railway trolleys. <u>Not allowed:</u> <ol style="list-style-type: none"> Scrap not described above. Scrap and waste of non-ferrous metals. Scrap mixed with chips Scrap covered with ground, slag, scrub 	<ol style="list-style-type: none"> Dimensions - strictly 1500*500*500 mm, thickness - from 6 mm and more, maximum piece weight 0.5 t and at least 5 kg. Contamination with harmless impurities should not exceed 2%
3A7	<u>Carbon steel scrap and waste:</u> <p>Lump cut scrap and waste, including the following:</p> <ol style="list-style-type: none"> railway disks (wheels) separately pressed or cut from the axles, without bearings and axle boxes railway axles separately pressed or cut from disks (wheels), without bearings and axle boxes railway rails of all types railway overlays, linings <u>Not allowed:</u> <ol style="list-style-type: none"> Bolts, crutches, nuts wagon bogie components: side frame, bolster, springs, friction wedges, axle box assembly railway wagon couplings 	<ol style="list-style-type: none"> Dimensions - strictly 1500*500*500 mm, maximum piece weight 0.5 t and at least 1 kg Contamination with harmless impurities should not exceed 1%
SHR (shredder)	<u>Crushed and cut steel scrap and waste processed using a shredder.</u> <ol style="list-style-type: none"> Roofing, lightweight industrial, household scrap. <u>Not allowed:</u> <ol style="list-style-type: none"> Non-ferrous scrap and waste. Non-metallic impurities. 	<ol style="list-style-type: none"> Dimensions - in accordance with the PC of the shredder. Basic contamination level – 2%.
17A	<u>Carbon cast iron scrap and waste:</u> <ol style="list-style-type: none"> Pieces of cast iron castings of machines. Pieces of cast iron mouldings and pallets. Permissible amount of hard-to-separate steel - up to 5%. <u>The following is not permitted:</u> <ol style="list-style-type: none"> Steel scrap and waste, including pieces of dimensional cast iron. Assemblies, mechanisms, assembled units Scrap and waste of non-ferrous metals. 	<ol style="list-style-type: none"> Dimensions 1500*500*500 mm Contamination with harmless impurities should not exceed 5%
<u>Outsized scrap and waste</u>		
5A	<u>Carbon scrap and waste for processing by gas cutting or shearing press in 3A:</u> <ol style="list-style-type: none"> The type basis is scrap and waste metals cut to transport size from 6 mm and above, including frames of trucks, trailers, platforms, trusses, molds, steel, uncut machines, channels, angles, I-beams, sheet iron, pipes with a diameter of more than 200 mm. Vessels of all types and sizes (cylinders, barrels, etc.) must be cleared of contents and accessible for the internal surface inspection; inlets of the cylinders must be open, and a second hole must be cut on their bodies (or they cut in half). Stamping and die cutting “new” or with a touch of rust. Straight reinforcement - over 1000 mm. 	<ol style="list-style-type: none"> Thickness - from 6 mm. Contamination with harmless impurities should not exceed 5%

	<p><u>Not allowed:</u></p> <ol style="list-style-type: none"> 1. Tangled fittings. 1. Scrap mixed with chips 2. Scrap covered with ground, slag, scrub. 3. Cast iron scrap 4. Explosive household items: 5. - cylinders with unknown contents (oxygen, propane, acetylene, etc.) 6. - fire extinguishers of all brands 7. - assembled units and components of machines containing explosive combustible and flammable substances 8. Explosive items for military purposes, including neutralized ones. <p>Note: - tangled reinforcement and wire (in “bundles”) shall be accepted by agreement</p>	
<p>12A</p>	<p><u>Carbon steel scrap and waste for processing using a shredder or shearing press:</u></p> <ol style="list-style-type: none"> 1. Stamping, die-cutting, steel, strip waste. 2. Lightweight industrial and household scrap and waste, including car bodies without wheels, without remains of interior decoration, glazing, wire, products made from it. 3. Galvanized and tinned scrap is allowed. <p><u>Not allowed:</u></p> <ol style="list-style-type: none"> 1. Individual pieces and structures with a thickness of more than 6 mm consisting of the following: angles, channels, I-beams, steel rods (“circle”/“square”/“hexagon”), pipes, and their parts are not allowed in the scrap batch. Corroded by acids, rusty, burnt metal 2. Cables and steel ropes 3. Tangled wire and fittings. 4. Cast iron scrap and waste 5. Scrap and waste of non-ferrous metals. 6. Explosive items for military and household purposes of categories 1 and 2. 	<ol style="list-style-type: none"> 1. Thickness - less than 6 mm, length - up to 5 meters 2. Contamination with harmless impurities up to 5%
<p>4HH</p>	<p><u>This item includes scrap that can be recycled, but its processing is very labour-intensive</u></p> <ol style="list-style-type: none"> 1. Outsized scrap and waste unsorted by class and type with lightweight scrap, ropes, wire, chips, including those enclosed in mechanisms 2. Assembled units and mechanisms <p><u>Not allowed:</u></p> <ol style="list-style-type: none"> 1. Blast furnace additive, slag, scale, ground, sand 2. Scrap and waste with inseparable pieces of concrete (after utilization of the reinforced concrete products) 	<ol style="list-style-type: none"> 1. Upon acceptance, the acceptor must assess for the possibility of processing, and if it is impossible to process the scrap, scrap acceptance is not allowed. 2. Contamination with harmless and harmful impurities should be up to 10%, and scrap should be accepted only by agreement

NOTES:

1. Supplies of scrap of military origin are not allowed.
2. Scrap of ferrous metals must be clearly separated by type in transport.
3. The metal must be delivered in a condition that is safe for transportation, processing, re-melting, and must be free from flammable, explosive and radioactive materials.
4. Vessels of all types and sizes and all hollow objects must be cleared of contents (in winter - from ice and snow) and accessible for the inner surface inspection; the bottoms of barrels and other containers must be opened. Scrap that is not free from non-metallic impurities, such as concrete, mortars, tar, bitumen, etc., is not allowed.
5. Vessels containing liquids or gases are accepted only after thorough cleaning with water.
6. Closed vessels include the following: unopened barrels, air receivers, cylinders, fire extinguishers, cardan shafts, closed bearing units, shock absorbers, etc.
7. It is not allowed to place dirt, ground and other non-metallic impurities in the main warehouse after unloading the vehicles.
8. Contamination of scrap and waste of ferrous metals with harmless and harmful impurities:
 - 8.1 Harmless impurities are impurities, limited quantity whereof does not adversely affect the quality of the smelted metal. These include the following: moisture, wood, sand, rags and other similar impurities, i.e. this is a natural contamination on the scrap metal surface (rust is allowed).
 - 8.2. Harmful impurities include the following: slag, scale, concrete, bricks, bitumen, paint, various oils and grease, rubber, plastic, ground, as well as non-ferrous metals and their alloys (for instance, electric motors, chips of non-ferrous metals)
 - 8.3. The quality indicators of ferrous metal scrap and waste in terms of their composition, dimensions and weight, contamination with harmless impurities, must comply with the requirements of these specifications. Harmful impurities in ferrous metal scrap and waste are not allowed.
 - 8.4. In case of a slight excess of contamination with harmless impurities by 1-2% of that specified in these specifications, the receiver may set an increased percentage of contamination.
 - 8.5. If there is an insignificant quantity of harmful impurities in ferrous metal scrap and waste, the receiver, in addition to the applied percentage of contamination, may remove some metal scrap from the weight to "garbage". In this case, the weight of harmful impurities in metal scrap shall be determined visually.
 - 8.6. In case of delivery of ferrous metal scrap and waste not meeting the quality requirements of these specifications, namely: in composition, dimensions and weight, contamination, - this scrap metal shall not be accepted and will be returned to the scrap supplier.
 - 8.7. When accepting ferrous metal scrap at the unloading site of the Klaipeda port, the contamination (its percentage) shall be approved by the director and recorded in the price lists (specifications).
9. When mixed scrap is received in one vehicle without a clear separation by type, the entire batch of scrap metal shall be accepted according to the lowest type. Re-sorting, in order to eliminate non-production costs, is not allowed.
10. It is not allowed to accept scrap metal in the form of closed containers for non-domestic use (shells, mines, warheads, aerial bombs, grenades, artillery shells, including neutralized ones).
11. It is not allowed to accept scrap metal in the form of closed containers for domestic use, Category 1 (fire extinguishers, cylinders with unknown contents, lithium batteries, aluminium powder).
12. It is not allowed to accept scrap metal in the form of closed containers for domestic use, Category 2 (shock absorbers, hydraulic cylinders).
13. It is not allowed to accept radioactive metal scrap;
14. It is not allowed to accept goods that not comply with these Technical Conditions.
15. These conditions shall regulate the procedure for accepting scrap metal from legal entities.