

Bitumen Packing & Container Capacity Guide

A practical reference for selecting drums, jumbo bags and container arrangements for international bitumen shipments.

180 kg	150 kg	1 MT
net drum	market-specific drum	jumbo bag

Dubai, United Arab Emirates
Prepared from product and packing information published on aljabalglobal.com
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1. Packing options at a glance

Al Jabal lists three principal export packing formats. The best option depends on destination-market practice, discharge equipment, storage conditions, climate, and the carrier's verified container payload.

Standard steel drum 180 kg net 190 kg gross General export packing	Market-specific drum 150 kg net Confirm gross Noted especially for Bangladesh	Jumbo bag 1 metric ton Per bag Season-dependent container choice
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Container selection published by Al Jabal

Packing	Cold season	Hot season	Planning note
Steel drums	Confirm per quotation	Confirm per quotation	Loading pattern and payload must be approved before booking.
1 MT jumbo bags	20 ft container	40 ft container	The website explicitly links container size to seasonal temperature.

Commercial caution

Container quantity is not a single universal number. Final loading is governed by the actual package dimensions and gross weight, container payload plate, carrier rules, axle limits, securing plan, route, and destination regulations.

2. Steel drum specification

The website presents a commercial 180 kg net / 190 kg gross drum and a detailed steel-drum specification with a nominal net filling capacity of 182 ± 3 kg. These figures are compatible as a commercial nominal pack and a manufacturing/filling tolerance, but the sales contract and packing list remain controlling.

Attribute	Published value	Operational interpretation
Body plate	0.60 ± 0.02 mm	Cold-rolled A-grade steel
Top and bottom plate	0.60 ± 0.02 mm	Same stated thickness as body
Height	100 ± 2 cm	Use actual lot dimensions for stow planning
Diameter	50 ± 2 cm	Use actual lot dimensions for stow planning
Lid opening	Centered; 10 ± 1 cm	Confirm sealing and cap condition
Body corrugations	16	Supports drum rigidity
Net filling capacity	182 ± 3 kg	Commercial listing also states 180 kg net
Gross weight	192 ± 3 kg	Commercial listing also states 190 kg gross
Tare	9.5 ± 1 kg	Includes lid cap
Finish	Glossy black	Drums should be sufficiently leak-proof for hot filling
Material	DIN 1623 ST12	New cold-rolled A-grade steel

Capacity calculation formulas

Net cargo (MT)	Number of packages $\times$ net kg per package $\div$ 1,000
Gross cargo (MT)	Number of packages $\times$ gross kg per package $\div$ 1,000
Estimated package count	Allowable cargo payload (kg) $\div$ gross kg per package; round down, then validate space and securing

3. Container capacity planning scenarios

The following examples are arithmetic planning scenarios, not published Al Jabal loading guarantees. They help buyers translate an agreed package count into net and gross cargo weight. Final quantities must appear in the supplier quotation and carrier-approved load plan.

Scenario	Package count	Net calculation	Gross calculation	Result
180/190 kg drums	100 drums	$100 \times 180 \text{ kg}$	$100 \times 190 \text{ kg}$	18.00 MT net 19.00 MT gross
180/190 kg drums	110 drums	$110 \times 180 \text{ kg}$	$110 \times 190 \text{ kg}$	19.80 MT net 20.90 MT gross
150 kg drums	110 drums	$110 \times 150 \text{ kg}$	Gross not stated	16.50 MT net gross: confirm
1 MT jumbo bags	20 bags	$20 \times 1 \text{ MT}$	Tare not stated	20.00 MT net gross: confirm
1 MT jumbo bags	24 bags	$24 \times 1 \text{ MT}$	Tare not stated	24.00 MT net gross: confirm

What determines the final container quantity?

1	Package data	Actual filled gross weight, dimensions, tolerances and condition.
2	Container data	CSC plate payload, internal dimensions, floor loading and container condition.
3	Route constraints	Carrier acceptance, road axle limits, port rules and destination customs.
4	Safe stowage	Weight distribution, blocking, bracing, lashing and leakage protection.

4. Buyer selection guide

Decision factor	Steel drums	1 MT jumbo bags
Unit handling	Smaller units; suitable where drum handling and decanting are established.	Fewer, larger units; requires suitable lifting and discharge arrangements.
Market convention	180 kg net standard; 150 kg net noted for selected markets, especially Bangladesh.	Useful where the consignee accepts jumbo-bag bitumen and has compatible facilities.
Seasonal container choice	Confirm with quotation and carrier.	Al Jabal states 20 ft in cold season and 40 ft in hot season.
Information to confirm	Net/gross per drum, count, actual dimensions, palletization if any, securing method.	Bag construction, net/gross, bags per container, temperature controls, discharge method.

Quotation checklist

1	Bitumen grade and applicable specification
2	Required quantity and acceptable tolerance
3	Preferred packing: 180 kg drum, 150 kg drum, or 1 MT jumbo bag
4	Destination port and Incoterm (for example FOB, CFR or CIF)
5	Shipment month/season and expected ambient temperature
6	Consignee's unloading, lifting, storage and melting capability
7	Required inspection, certificate of analysis and packing-list details
8	Container size, package count and net/gross cargo weight confirmed in writing

Request a shipment-specific loading plan

Share the grade, quantity, packing preference, destination port and shipment month. Al Jabal can then confirm the offered package count, container size and commercial terms.

aljabalglobal.com • info@aljabalglobal.com • WhatsApp +971 52 371 7966

Source and scope

Primary source: Al Jabal Global Holding, Bitumen product page, <https://aljabalglobal.com/bitumen/> (accessed 20 September 2026). Company contact details are from the same website. Calculated scenarios in this guide are clearly marked and should not replace a quotation, packing list, carrier approval, or professional cargo-securing plan.