

STAINLESS STEEL ZOO MESH

Professional Animal Enclosure Solutions

AVIARY NETTING | PRIMATE MESH | WILDLIFE ENCLOSURE

COMPANY

About Hebmetal mesh

Hebmetal mesh is a specialized manufacturer focused on high-tensile stainless steel wire rope mesh for zoos, wildlife parks, aviaries and animal conservation facilities worldwide.

Our flexible cable mesh is woven from high-grade 304 and 316 stainless steel wire rope. Available with black oxide surface treatment, our mesh achieves excellent corrosion resistance, long service life and nearly invisible visual effect for animal exhibits.

We support large seamless panel production, custom dimensions and on-site installation guidance. Our products are widely applied for big cat enclosures, monkey exhibits, bird aviaries and other wildlife barriers.

304 / 316 STAINLESS STEEL**BLACK OXIDE FINISH****CUSTOM SIZES AVAILABLE****LARGE SEAMLESS PANELS****HIGH TENSILE STRENGTH****WEATHER-PROOF & ANTI-RUST**

All technical data please refer to specification table in following pages.

CATALOG

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SELECTION GUIDE

Product Overview

Four product families share the same hand-woven 304 / 316 stainless steel rope construction. Choose by species and enclosure type, then pick the exact cable diameter and aperture from the specification tables.

SERIES	BEST FOR	RECOMMENDED CABLE	RECOMMENDED APERTURE	MATERIAL
Aviary & Bird Netting	Birds, parrots, pheasants, cranes, walk-in aviaries	1.2 – 2.4 mm	25 – 76 mm (1" – 3")	304 / 316
Big Cat Enclosure Mesh	Lion, tiger, leopard perimeter & safety barriers	3.2 mm (1/8")	51 – 102 mm (2" – 4")	316 (humid) / 304
Primate & Zoo Animal Mesh	Monkeys, gibbons, apes, medium mammals	1.6 – 2.4 mm	38 – 51 mm (1.5" – 2")	304 / 316
Hand-Woven Cable Mesh	Universal engineering & custom projects	1.2 – 3.2 mm	20 – 102 mm (3/4" – 4")	304 / 316

Grade tip: choose 316 for humid, ammonia-rich holding buildings; 304 for dry inland exhibits.

SERIES 01

Aviary & Bird Netting

Hand-woven stainless steel rope mesh gives birds a containment system they cannot chew through, rust out, or escape. A small, foot-safe aperture stops a head or toe from slipping through, while a 1.2 – 2.4 mm cable shrugs off the chewing that shreds plastic-coated wire in a single season.

From finches to macaws and walk-in crane aviaries, the flexible mesh follows three-dimensional flight volumes instead of fighting them — and the black oxide option disappears against foliage for a clean viewing experience.

CODE	ROPE Ø	APERTURE	USE
HM1225	1.2 mm	25 mm (1")	Small birds / finches
HM1250	1.2 mm	51 mm (2")	Pheasant / medium birds
★ HM1625	1.6 mm	25 mm (1")	Finches / small birds RECOMMENDED
HM1638	1.6 mm	38 mm (1.5")	Small-medium birds
HM2038	2.0 mm	38 mm (1.5")	Parrot / hookbill safe
HM2076	2.0 mm	76 mm (3")	Large birds / eagle
HM2438	2.4 mm	38 mm (1.5")	Walk-in aviary framing



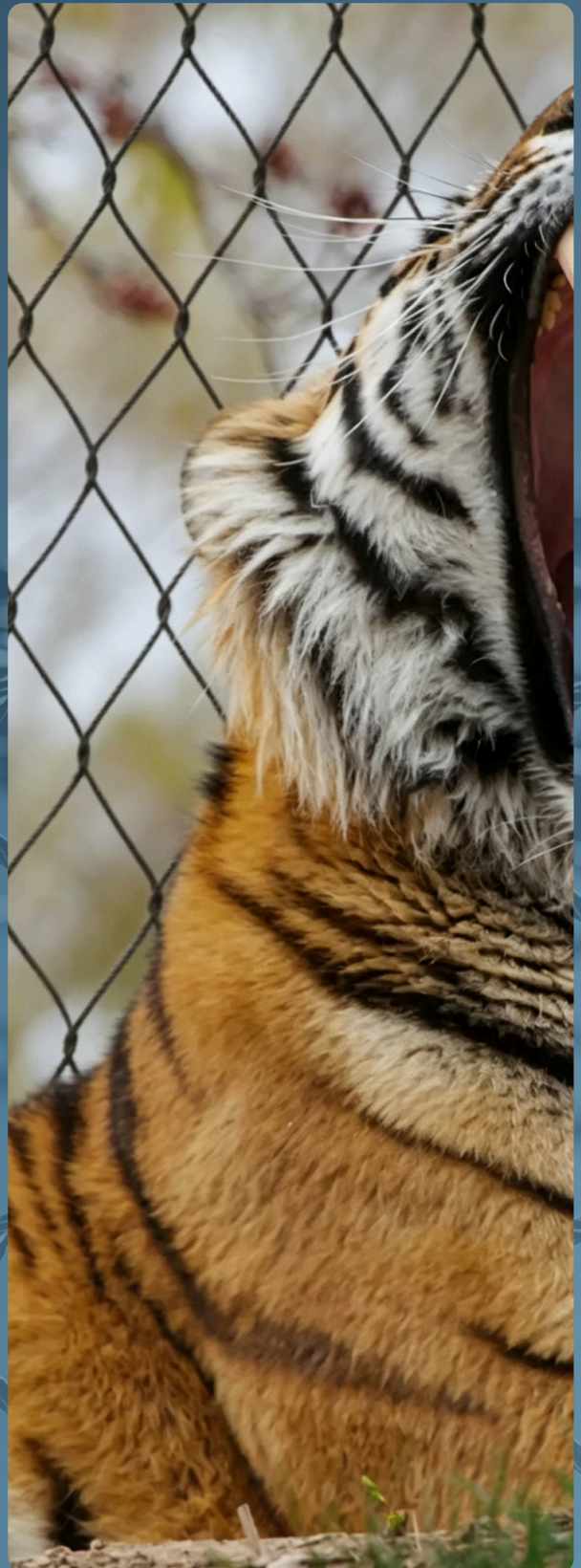
SERIES 02

Big Cat Enclosure Mesh

A big-cat barrier is a life-safety system, not a fence. Our heavy 3.2 mm (1/8") stainless cable mesh holds a clear, see-through perimeter that keeps the public safe and the cat contained without the visual wall of bars.

A tensioned stainless grid reads as a modern exhibit rather than a cage. For humid, ammonia-rich holding buildings we recommend 316 grade; dry inland exhibits perform well on 304.

CODE	ROPE Ø	APERTURE	USE
HM3250	3.2 mm	51 mm (2")	Inner safety barrier
HM3276	3.2 mm	76 mm (3")	Standard perimeter
HM32102	3.2 mm	102 mm (4")	Large viewing span



SERIES 03

Primate & Zoo Animal Mesh

Primates climb, swing, and test every edge of an enclosure — which makes finger entrapment and climb-out the two risks a flat panel cannot solve. A finger-safe aperture blocks a hand from passing through, while flexible mesh lines vertical and overhead surfaces without hard ledges.

Because there is no coating to peel, the habitat stays hygienic and easy to clean, and the open weave preserves the visitor view.

CODE	ROPE Ø	APERTURE	USE
HM1638	1.6 mm	38 mm (1.5")	Monkey / macaque
HM1650	1.6 mm	51 mm (2")	Capuchin / medium
HM2438	2.4 mm	38 mm (1.5")	Gibbon / ape climbing
HM2450	2.4 mm	51 mm (2")	Large primate volume



TECHNICAL DATA

Hand-Woven Cable Mesh — Full Specification

CODE	ROPE Ø	MESH OPENING	MATERIAL	FINISH
HM32102	3.2 mm (1/8")	102 × 102 mm (4"×4")	304 / 316	Nature / Black Oxide
HM3276	3.2 mm (1/8")	76 × 76 mm (3"×3")	304 / 316	Nature / Black Oxide
HM3250	3.2 mm (1/8")	51 × 51 mm (2"×2")	304 / 316	Nature / Black Oxide
HM3238	3.2 mm (1/8")	38 × 38 mm	304 / 316	Nature / Black Oxide
HM24102	2.4 mm (3/32")	102 × 102 mm (4"×4")	304 / 316	Nature / Black Oxide
HM2476	2.4 mm (3/32")	76 × 76 mm (3"×3")	304 / 316	Nature / Black Oxide
HM2450	2.4 mm (3/32")	51 × 51 mm (2"×2")	304 / 316	Nature / Black Oxide
HM2438	2.4 mm (3/32")	38 × 38 mm (1.5"×1.5")	304 / 316	Nature / Black Oxide
HM20102	2.0 mm (5/64")	102 × 102 mm (4"×4")	304 / 316	Nature / Black Oxide
HM2076	2.0 mm (5/64")	76 × 76 mm (3"×3")	304 / 316	Nature / Black Oxide
HM2050	2.0 mm (5/64")	51 × 51 mm (2"×2")	304 / 316	Nature / Black Oxide
HM2038	2.0 mm (5/64")	38 × 38 mm (1.5"×1.5")	304 / 316	Nature / Black Oxide
HM16102	1.6 mm (1/16")	102 × 102 mm (4"×4")	304 / 316	Nature / Black Oxide
HM1676	1.6 mm (1/16")	76 × 76 mm (3"×3")	304 / 316	Nature / Black Oxide
HM1650	1.6 mm (1/16")	51 × 51 mm (2"×2")	304 / 316	Nature / Black Oxide
HM1638	1.6 mm (1/16")	38 × 38 mm (1.5"×1.5")	304 / 316	Nature / Black Oxide
HM1625	1.6 mm (1/16")	25 × 25 mm (1"×1")	304 / 316	Nature / Black Oxide
HM12102	1.2 mm (3/64")	102 × 102 mm (4"×4")	304 / 316	Nature / Black Oxide
HM1276	1.2 mm (3/64")	76 × 76 mm (3"×3")	304 / 316	Nature / Black Oxide
HM1250	1.2 mm (3/64")	51 × 51 mm (2"×2")	304 / 316	Nature / Black Oxide
HM1238	1.2 mm (3/64")	38 × 38 mm (1.5"×1.5")	304 / 316	Nature / Black Oxide
HM1225	1.2 mm (3/64")	25 × 25 mm (1"×1")	304 / 316	Nature / Black Oxide
HM1220	1.2 mm (3/64")	20 × 20 mm (3/4"×3/4")	304 / 316	Nature / Black Oxide

Code rule: HM + rope-Ø(mm×10) + aperture(mm). Panels up to 9 m × 18 m, seamless. Knot or ferrule type on request.

REFERENCES

Application Cases



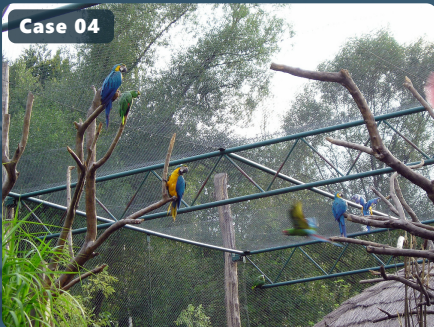
Stainless steel rope mesh enclosure



Stainless steel rope mesh enclosure



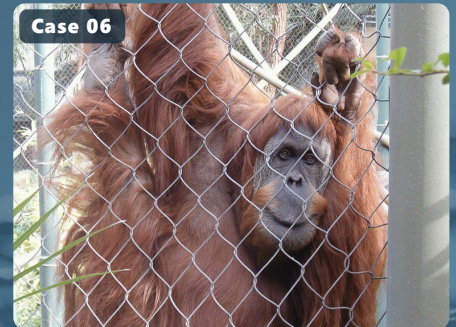
Stainless steel rope mesh enclosure



Stainless steel rope mesh enclosure



Stainless steel rope mesh enclosure



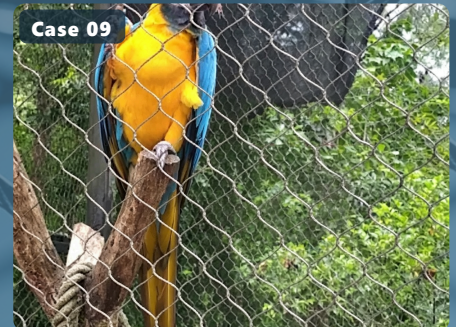
Stainless steel rope mesh enclosure



Stainless steel rope mesh enclosure



Stainless steel rope mesh enclosure



Stainless steel rope mesh enclosure

Field installations: seamless stainless steel rope mesh enclosures for zoos, wildlife parks and aviaries — engineered to the site dimensions.

GET IN TOUCH

CONTACT & HOW TO ORDER

COMPANY

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WEBSITE

hebmetalmesh.com

ADDRESS

No.386, Zhaiying Street, Shijiazhuang, Hebei,
China

Send Us Your Enclosure Dimensions

We provide custom-sized panels, full specification sheets and on-site installation guidance. Tell us the species, span and height — we will spec the mesh.