

Onyx TruStar™ DES

Technical specifications



Technical feature	Onyx TruStar DES [§]
Stent design	Single-wire design with platinum-iridium core
Polymer and drug	BioLinx™ polymer and zotarolimus (density ~1.6 µg/mm ²)
Catheter distal shaft color	2.00–4.00 mm: yellow 4.50–5.00 mm: black
Catheter distal O.D. (Fr)	2.00–4.00 mm: 2.8 4.50–5.00 mm: 3.2
Catheter distal O.D. (in)	2.00–4.00 mm: 0.036 4.50–5.00 mm: 0.042
Crowns	Small vessel (2.00–2.50 mm): 6.5 Medium vessel (2.75–3.00 mm): 8.5 Large vessel (3.50–4.00 mm): 9.5 Extra-large vessel (4.50–5.00 mm): 10.5
Stent material	Shell: cobalt alloy; core: platinum-iridium
Strut thickness	2.00–4.00 mm: 81 µm (0.0032 in) 4.50–5.00 mm: 91 µm (0.0036 in)
Stent crossing profile (in) ¹	0.038 (3.0 mm x 18 mm)
Tip O.D. (in) ¹	0.023 (3.0 mm x 18 mm)
Balloon material	2.00–4.00 mm: dual-flex balloon comprised of Pebax** blend 4.50–5.00 mm: single-layer balloon comprised of Pebax blend
Platform	Rapid exchange
Catheter length (cm)	140
Nominal pressure (atm)	12
Rated burst pressure (atm)	2.00–4.00 mm: 18 4.50–5.00 mm: 16
Stent marker bands	Average 0.5 mm between stent edges and two platinum-iridium marker bands (3.0 mm x 18 mm). Tolerances of up to 1.0 mm for 8-12 mm lengths and 1.5 mm for 15-38 mm lengths.
Latex-free	Onyx TruStar DES does not contain natural rubber latex as either a component or packaging of the device
MRI compatibility	MR-conditional for single and overlapping stent lengths up to 120 mm. Please refer to IFU for additional conditions.

[§] Stent delivery system updates were implemented on the 2.0–4.0 mm Onyx TruStar DES diameters.

Size matrix

Diameter (mm)	Stent length (mm)									MSID ^{§§} (mm)
2.00	8	12	15	18	22	26	30	---	---	3.50
2.25	8	12	15	18	22	26	30	34	38	3.50
2.50	8	12	15	18	22	26	30	34	38	3.50
2.75	8	12	15	18	22	26	30	34	38	4.00
3.00	8	12	15	18	22	26	30	34	38	4.00
3.50	8	12	15	18	22	26	30	34	38	5.00
4.00	8	12	15	18	22	26	30	34	38	5.00
4.50	---	12	15	18	22	26	30	---	---	6.00
5.00	---	12	15	18	22	26	30	---	---	6.00

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^{§§}Maximum stent inner diameter. Onyx TruStar DES should not be expanded to a diameter beyond the listed MSID.

Onyx TruStar DES is not available in OTW.

[†]Based on bench test data on file at Medtronic, D00339634, Rev C. May not be indicative of clinical performance. N = 5 DES of each tested: Onyx TruStar DES, Orsiro DES, Resolute Onyx DES, XIENCE Sierra DES, SYNERGY DES.

See the device manual for detailed information regarding the instructions for use, the implant procedure, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at www.medtronic.eu.

For applicable products, consult instructions for use on manuals.medtronic.com. Manuals can be viewed using a current version of any major internet browser. For best results, use Adobe Acrobat[®] Reader with the browser.

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