

MECROSS CTO

Semi-Compliant PTCA

Balloon Dilatation Catheter

Unlimited Crossing Force
穿越无极限

国械注准 20183030557
CE NO. CE662148(BSI)

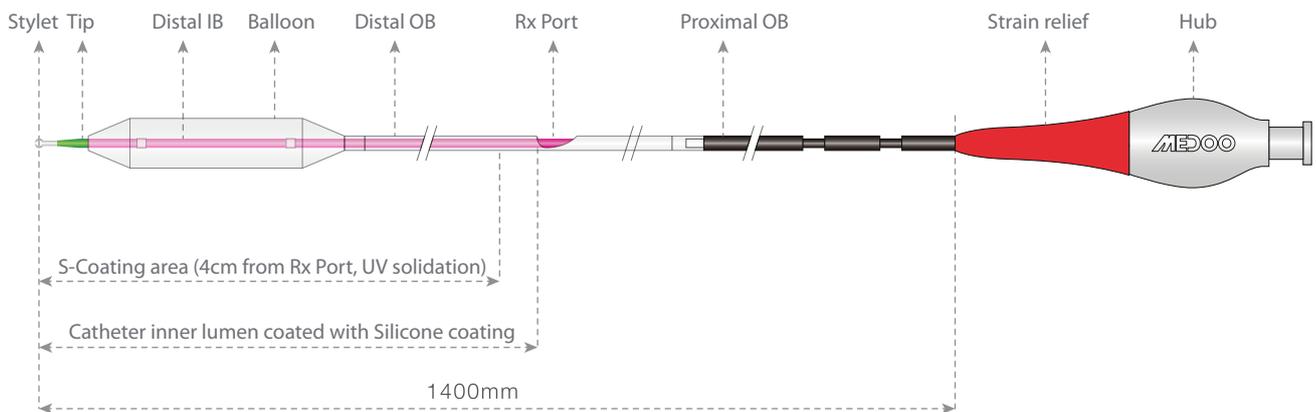
MEDOO
脉动医学
www.medoo.hk

Ordering Information

Φ (mm)	1.0	1.25	1.5	1.75	2.0	2.25	2.5	2.75	3.0	3.25	3.5	4.0
Length(mm)												
10	MC-01-1010	-1210	-1510	-1710	-2010	-2210	-2510	-2710	-3010	-3210	-3510	-4010
15	MC-01-1015	-1215	-1515	-1715	-2015	-2215	-2515	-2715	-3015	-3215	-3515	-4015
20	MC-01-1020	-1220	-1520	-1720	-2020	-2220	-2520	-2720	-3020	-3220	-3520	-4020
30	MC-01-1030	-1230	-1530	-1730	-2030	-2230	-2530	-2730	-3030	-3230	-3530	-4030

Compliance Information

Φ (mm)	1.0	1.25	1.5	1.75	2.0	2.25	2.5	2.75	3.0	3.25	3.5	4.0
Pressure(ATM)												
2	0.90	1.15	1.40	1.65	1.87	2.15	2.36	2.60	2.82	3.05	3.30	3.78
4	0.95	1.20	1.45	1.70	1.94	2.20	2.45	2.67	2.91	3.15	3.40	3.90
6(NP)	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	4.00
8	1.05	1.30	1.55	1.80	2.05	2.35	2.57	2.85	3.10	3.35	3.63	4.13
10	1.10	1.35	1.60	1.85	2.11	2.40	2.64	2.95	3.18	3.45	3.74	4.25
12	1.15	1.40	1.65	1.90	2.19	2.50	2.71	3.00	3.27	3.55	3.85	4.35
14	1.20	1.45	1.70	1.95	2.25	2.55	2.80	3.05	3.35	3.65	3.95	4.45
16(RBP)	1.23	1.50	1.75	2.00	2.32	2.60	2.85	3.15	3.45	3.75	4.05	4.58
18	1.25	1.55	1.80	2.05	2.38	2.68	2.93	3.25	3.55	3.85	4.15	4.68



MeCross CTO 2.0-4.0mm illustration



MeCross CTO 1.0-1.75mm Distal illustration

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MEDOO 脉动医学



About Medoo

Medoo Medical is a high-tech enterprise who focuses in R&D, production and sales of advanced endovascular interventional medical devices. Founded in 2014, Medoo group is composed of Shenzhen Medoo Medical Tech. Co., Ltd., Jiangsu Medoo Medical Equipment Tech. Co., Ltd. and hongkong Medoo Medical Tech. Co., Ltd

With a strong technical background and high support from Shenzhen Science and Technology Commission, Medoo Medical revolves around cardiovascular and peripheral vascular interventions. Currently 6 core projects are operating, Mecross CTO high performance pre-dilatation balloon catheter, MeCross NC high performance post-dilatation balloon catheter, MeCross PTA peripheral interventional balloon catheter, MePower new generation non-slip balloon catheter, MeRepair Biologic repair balloon catheter and Magnesium alloy degradation stent. All projects are in rapid development.

Integrating the resources of clinical experts in cardiovascular intervention, scientists of Chinese Academy of Science and the R&D specialists on medical consumables of endovascular interventions, Medoo Medical cooperates with several universities and hospitals, establishes a world-class R&D and production center in Jiangsu. Medoo Medical has already passed BSI ISO13485 certification (MD: 662153) and GMP certification of China. Aiming to be the first-class world-wide cardiac interventional enterprise, Medoo will always donate its best efforts. Medoo's products which approved by CE and NPMA have an excellent performance and welcomed by the customers all over the world.

Culture of Medoo

Craftsmanship Spirit

Pursue excellence in technology, strive for perfection and develop top level products.

Commitment to Quality

Strictly abide to laws and regulations, in order to ensure the health & safety of patients.

Innovation for the Future

Focus on the future life science and technology, create a vigorous Medoo brand.

Treasure the Life

Improve patients' physical & mental health, care for human beings, contribute to our society.

Goals of Medoo

- Pursue the harmony and unity of the enterprise, patients and society;
- Develop Medoo Medical to be a world leading medical device brand;
- Inclusive to the people, benefit millions of patients who are suffering from cardiovascular & cerebrovascular diseases;
- Innovate for future, strive for excellence, contribute the world with outstanding technology in the interventional field.

MECROSS CTO

Introduction of MeCross CTO

MeCross CTO (RX type) Semi-Compliant PTCA Balloon Dilatation Catheter is a high performance pre-dilatation balloon catheter of MeCross family, which is designed for CTO and other chronic coronary stenosis. The latest technology of balloon design, materials and clinical requirements are applied to MeCross CTO to ensure an excellent crossing performance with safety.

MeCross CTO applies a design of low proximal shaft OD to ensure two balloons can be used inside one 6F guiding catheter in kissing case. The unique M-Advance Tip design ensures the product a superior crossing ability, while the new ultra-lubricated S-coating hydrophilic coating also helps reducing shaft friction and further enhancing the crossing ability to a new high level in PTCA surgery.

“Seamless” force conduction technology ensures the whole catheter a satisfied balance in the pushing and tracking ability, which makes MeCross CTO able to go through stenosis freely and deal with the hard calcification lesion in CTO case. The diameter configuration which ranges from 1.0mm to 4.0mm meets all pre-dilatation clinical needs of PTCA.



Technical Specification

RX Design

Working length=140cm

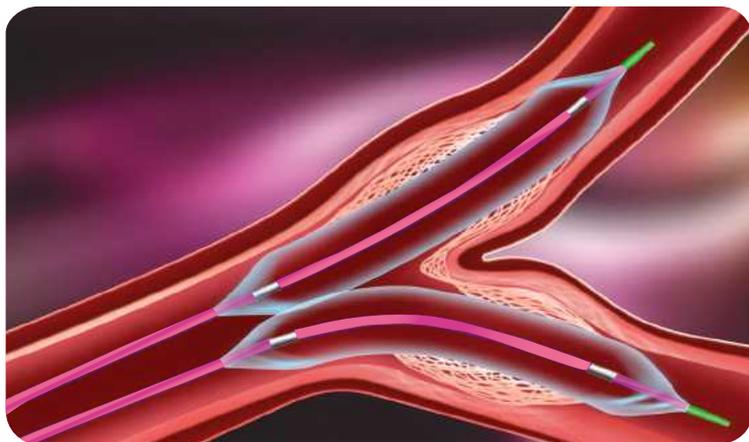
12 kinds of different diameters ranging from 1.0mm-4.0mm

4 kinds of different length configurations including 10mm, 15mm, 20mm & 30mm

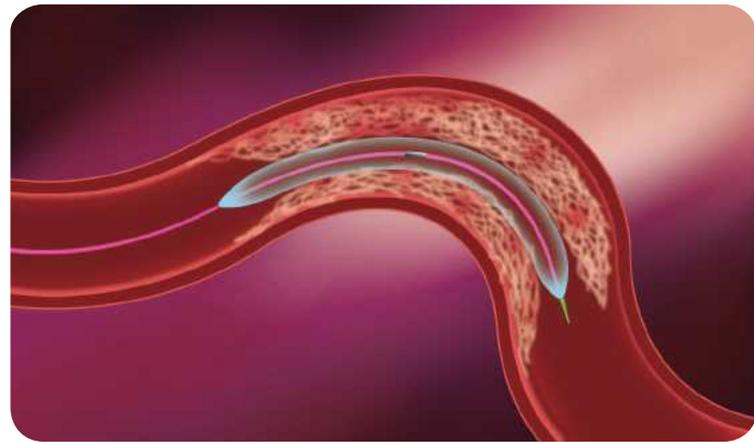
NP=6atm, RBP=16atm, reliable

Product Advantages

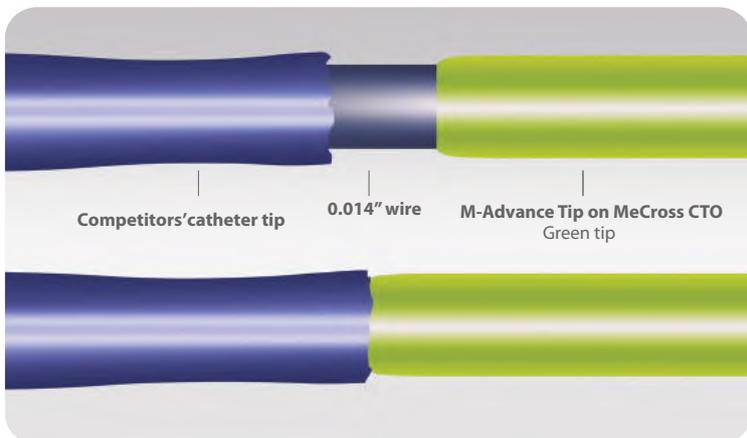
- Specially designed for CTO (1.0-1.25mm) and other chronic coronary stenosis pre-dilatation case
- Advantage of optimized CTO case configuration (1.0-1.25mm)
 - Suitable to extremely challenging lesions with minimum diameter of 1.0mm
 - Single marker design and Laser rotary cut distal core attributes to excellent flexibility and trackability
 - Handle the most complex CTO lesion, unlimited crossing force
- "Seamless" force conduction technology ensures enough push ability
- "S-Coating" with the latest technology can ensure durable and strong hydrophilic ability to pass through the most complex lesions with zero resistance
- Delicate "M-advance" tip design to make the catheter softer and more flexible to protect the blood vessels and defend the health
- Outstanding kissing capabilities to 6F guiding catheter



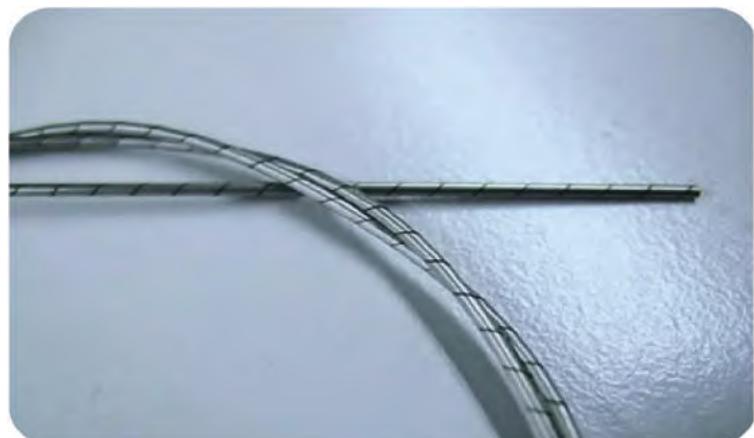
Outstanding kissing capability is suitable for 6F guiding catheter.



It can replace microcatheter to treat CTO case.



M-Advance Tip successfully traverses the competitor's tip.



The laser rotary cut distal core keeps good flexibility.

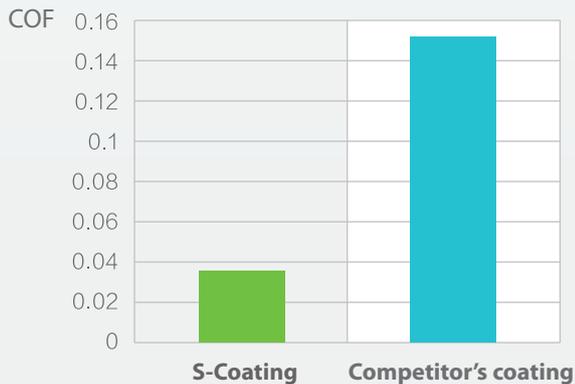
Description of S-Coating

Performance & Advantages

The S-Coating hydrophilic coating adopts the latest UV light curing technology to significantly reduce surface friction and help decrease the trauma to patient. While effectively reducing the patient's discomfort, the complications caused by mucosal and tissue cell damages during product insertion are also largely avoided. Moreover, S-Coating can also speed up the delivery of the catheter.

Medoo S-Coating vs. coating of competitor's catheter

Coefficient of Friction (COF)



Comparison with Other Competitors

Item	Coating Performance
COF	COF of Medoo S-Coating=0.0353 COF of competitor's coating=0.151
Firmness	After 25 fiction test cycles (gripping force=300g), Medoo S-Coating keeps stable and integrated, while competitor's coating is abraded.

Instruction

