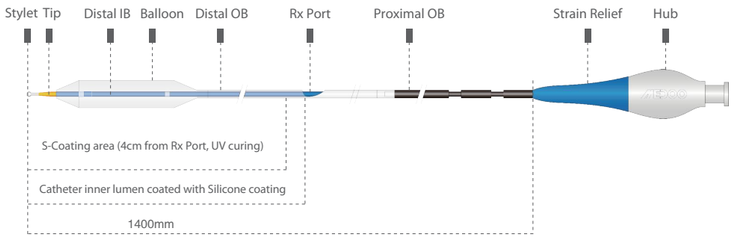
MeCross® NC

Non-Compliant PTCA Balloon Dilatation Catheter

MEDOO 脉动医学



MeCross NC illustration

ORDERING INFORMATION

ø(mm)	2.0	2.25	2.5	2.75	3.0	3.25	3.5	3.75	4.0	4.5	5.0
Length(mm)											
8	MC-02-2008	-2208	-2508	-2708	-3008	-3208	-3508	-3708	-4008	-4508	-5008
10	MC-02-2010	-2210	-2510	-2710	-3010	-3210	-3510	-3710	-4010	-4510	-5010
12	MC-02-2012	-2212	-2512	-2712	-3012	-3212	-3512	-3712	-4012	-4512	-5012
15	MC-02-2015	-2215	-2515	-2715	-3015	-3215	-3515	-3715	-4015	-4515	-5015
18	MC-02-2018	-2218	-2518	-2718	-3018	-3218	-3518	-3718	-4018	-4518	-5018

COMPLIANCE INFORMATION

ø(mm)	2.0	2.25	2.5	2.75	3.0	3.25	3.5	3.75	4.0	4.5	5.0
Pressure(atm)											
8	1.96	2.20	2.45	2.69	2.94	3.18	3.42	3.67	3.90	4.35	4.92
10	1.98	2.23	2.47	2.72	2.97	3.22	3.46	3.71	3.95	4.43	4.96
12(NP)	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.50	5.00
14	2.02	2.27	2.53	2.78	3.03	3.29	3.54	3.79	4.05	4.55	5.07
16	2.04	2.30	2.56	2.81	3.07	3.32	3.58	3.83	4.10	4.62	5.14
18	2.07	2.33	2.58	2.84	3.10	3.36	3.63	3.88	4.16	4.69	5.22
20	2.09	2.35	2.61	2.87	3.13	3.40	3.67	3.92	4.21	4.75	5.28
22(RBP)	2.11	2.38	2.64	2.90	3.17	3.43	3.72	3.96	4.27	4.82	5.35
24	2.14	2.40	2.67	2.94	3.20	3.47	3.76	4.00	4.32	4.89	5.40
26	2.16	2.43	2.70	2.97	3.24	3.51	3.80	4.05	4.38	4.97	5.49
28	2.18	2.46	2.73	3.00	3.27	3.55	3.85	4.05	4.44	5.00	5.57

About Medoo

Medoo Medical is a high-tech enterprise which focuses on R&D, production and sales of advanced intravascular/extravascular interventional medical devices. Founded in 2014, the Medoo group consists of Shenzhen Medoo Medical Tech. Co., Ltd., Shenzhen Medoo Medtech. Co., Ltd., Jiangsu Medoo Medical Equipment Tech. Co., Ltd. and Hong Kong Medoo Medical Tech. Co., Ltd.

Medoo's team boasts solid technical capabilities and strong policy support from the Shenzhen Science and Technology Commission. Centered on cardiovascular and peripheral vascular intervention fields, Medoo has developed many core products: MeCross CTO /NC /HP dilatation balloon catheter, MeCross PTA peripheral balloon catheter, NeuCross RX /OTW intracranial balloon catheter, MePower PTA peripheral high-pressure balloon catheter, arterial compression tourniquet, guidewire, zebra guidewire, bronchial occlusion catheter, Lebon combo coronary balloon, SkyRH leading micro-catheter, single-wire/dual-wire scoring balloon.

Integrating the resources of clinical experts in cardiovascular intervention, scientists of Chinese Academy of Science and the R&D specialists on medical consumables of intravascular intervention, Medoo Medical has launched industry-university-research cooperation united with numerous universities and hospitals and established international-standard R&D and production centers in Shenzhen and Jiangsu respectively. Medoo Medical has obtained BSI ISO 13485 certification (MD: 662153) and GMP certification of China. Its flagship products deliver reliable performance and hold EU CE certification and Chinese NMPA certification, earning recognition from global clients. Medoo Medical not only carries out distribution business in the world with its own brand, but also provides professional OEM/ODM/CDMO production technical services for high-end vascular intervention medical device enterprises at home and abroad.

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

- Develop Medoo Medical to the world's leading national high-end medical device brand
- Benefiting millions of patients with vascular diseases
- Pursue the harmony and unity of the enterprise, patients and society

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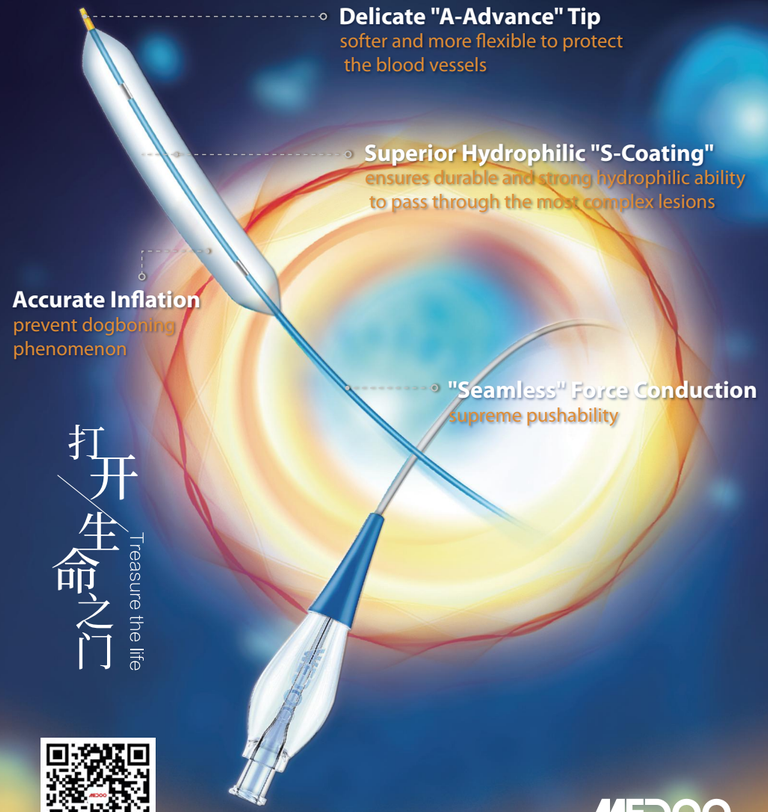
MeCross® NC

Non-Compliant PTCA Balloon Dilatation Catheter

NMPA: 国械注准20183030555
CE662150
MDR 786406



MEDOO 脉动医学

MeCross® NC
Non-Compliant PTCA Balloon Dilatation Catheter

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Non-Compliant PTCA Balloon Dilatation Catheter [MeCross® NC]

MeCross NC (RX type) Non-Compliant PTCA Balloon Dilatation Catheter (NMPA: 国械注准20183030555, CE662150, MDR786406) is a core product of Medoo Medical MeCross® series, it is designed for post-dilatation of PTCA surgery, hard calcification lesion dilation and in-stent dilatation post DES deployment. The latest technologies in balloon design and materials are applied to MeCross NC to ensure an excellent crossing performance with high RBP. Treasure the safety and the life of patients.

MeCross NC applies a thin OD pusher shaft design, enabling two balloons to be delivered simultaneously inside one 2 mm (6F) guiding catheter for kissing dilatation surgery.

The unique A-Advance Tip design ensures the product with superior crossing ability, while the new ultra-lubricated hydrophilic S-Coating also helps reduce shaft friction and enables pass through hard stenotic lesions.

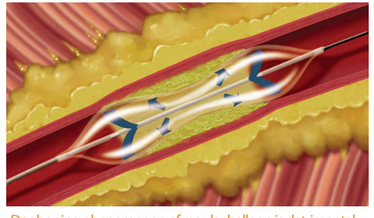
The diameter specifications which ranges from 2.0mm to 5.0mm meets most post-dilatation clinical needs of cardiovascular interventional surgery.

TECHNICAL SPECIFICATION

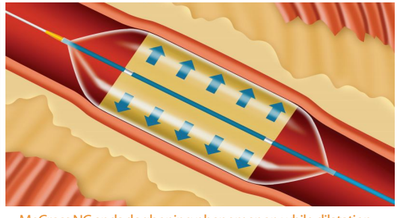
RX Design
Working length**140cm**
11 diameter configurations **2.0mm-5.0mm**
5 length configurations **8mm, 10mm, 12mm, 15mm, 18mm**
NP=**12atm**, RBP=**22atm**, Compliance=**0.55%/(atm),** low axial elongation **3%/(atm)** while inflation

Product Advantages

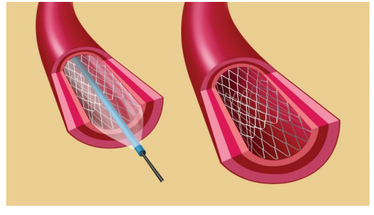
- Maximum diameter of 5.0mm can ensure the strongest post-dilatation force
- High pressure resistant, NP=12atm, RBP=22atm
- Accurate inflation is achieved by compliance of 0.55%/(atm) and axial elongation of 3%/(atm) to prevent dogboning phenomenon occurring
- Puncture-resistant performance enables easily passing through the most hard calcification and suitable for post-dilatation
- "S-Coating" with the latest technology can ensure durable and strong hydrophilic ability to pass through the most complex lesions with zero resistance
- Delicate"A-advance" tip design makes the catheter softer and more flexible to protect the blood vessels
- Outstanding kissing capability to 6F guiding catheter
- "S-Coating" force conduction technology ensures enough pushability
- Suitable for in-stent dilatation



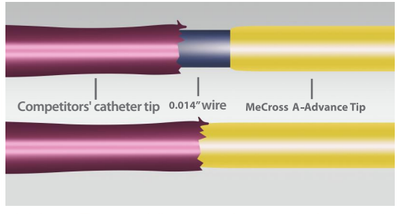
Dogboning phenomenon of regular balloon is detrimental to treatment.



MeCross NC ends dogboning phenomenon while dilatation.



Reliable under high pressure, suitable for post-dilatation.



A-Advance Tip successfully traverses the competitor's product tip.

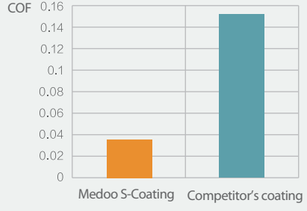
Description of S-Coating

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

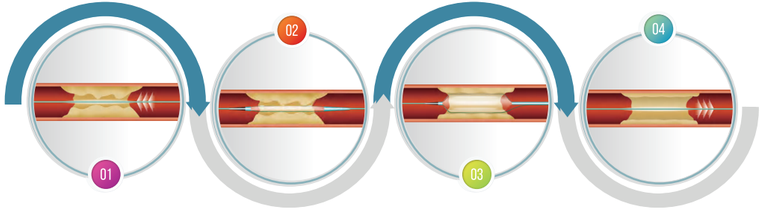
Coefficient of Friction(COF)



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 friction test cycles (gripping force=300g), Medoo S-Coating keeps stable and integrated, while competitor's coating is abraded.

Instruction



Cross | Position | Dilatation | Retract