

MeCross HP illustration

ORDERING INFORMATION

ø(mm)	2.0	2.5	2.75	3.0
Balloon Length(mm)				
8	MC-03-2008	MC-03-2508	MC-03-2708	MC-03-3008
10	MC-03-2010	MC-03-2510	MC-03-2710	MC-03-3010
12	MC-03-2012	MC-03-2512	MC-03-2712	MC-03-3012
15	MC-03-2015	MC-03-2515	MC-03-2715	MC-03-3015

COMPLIANCE INFORMATION

ø(mm)	2.0	2.5	2.75	3.0
Pressure(atm)				
10	1.98	2.48	2.72	2.98
12(NP)	2.00	2.50	2.75	3.00
14	2.02	2.53	2.78	3.04
16	2.03	2.56	2.79	3.07
18	2.08	2.59	2.86	3.11
20	2.12	2.63	2.92	3.16
22	2.14	2.65	2.94	3.18
24	2.18	2.67	3.00	3.20
26	2.21	2.69	3.04	3.23
28	2.25	2.72	3.09	3.26
30(RBP)	2.30	2.75	3.15	3.30



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., Shenzhen Medoo Medtech. Co., Ltd., Jiangsu Medoo Medical Equipment Tech. Co., Ltd. and Hongkong Medoo Medical Tech. Co., Ltd.

Medoo Partners have strong technical strength and strong support from Shenzhen Science and Technology Commission. Currently, Medoo has many core projects in the field of vascular intervention, severe heart failure and clinical surgery, including MeCross CTO high-performance semi-compliant pre-dilatation balloon catheter, MeCross NC high-performance non-compliant post-dilatation balloon catheter, MeCross PTA peripheral interventional balloon catheter, NeuCross neuro interventional balloon catheter, MeCross HP high-pressure balloon catheter, TAVI valve balloon catheter, Urinary stone extraction balloon catheter, Esophageal airway dilatation balloon catheter, ultrasonic scalpel, cardiac aid device, PCI accessory, etc.

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 has launched industry-university-research cooperation united with a number of universities and hospitals and established world-class R&D and production centers in Shenzhen and Jiangsu respectively. Medoo Medical has already passed BSI ISO13485 certification (MD:662153) and GMP certification of China. Its mainstream products have excellent performance, which approved by the European Union CE certification and China NMPA certification, welcomed by the customers all over the world. 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	Commitment to Quality	Innovation for the Future	Treasure the Life
Pursue excellence in technology, strive for perfection and develop top level products.	Strictly abide to laws and regulations, in order to ensure the health & safety of patients	Focus on the future life science and technology, create a vigorous Medoo brand	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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High Pressure Balloon Dilatation Catheter

NMPA: 国械注准20233030377

- Delicate "A-Advance" Tip**
softer and more flexible to protect the blood vessels
- Superior Hydrophilic "S-Coating"**
ensures durable and strong hydrophilic ability to pass through the most complex lesions
- Better Non Compliance Performance**
ultrahigh rated burst pressure
- "Seamless" Force Conduction**
supreme pushability
- Accurate Inflation**
prevent dogboning phenomenon

Rock the heart
坚如磐石



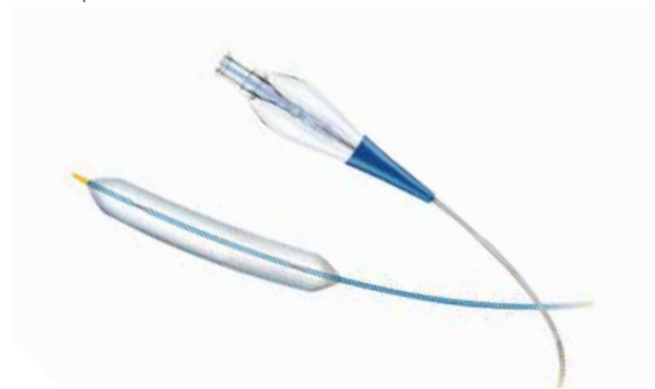


High Pressure Balloon Dilatation Catheter[MeCross HP]

MeCross HP (RX type) PTCA High Pressure Balloon Catheter is a high performance post-dilatation balloon catheter (NMPA: 国械注准20233030377) of MeCross family, which is designed for final dilation, hard calcification lesion dilation and in-stent dilatation post DES deployment. The latest technology of balloon design, materials and clinical requirements are applied to MeCross NC to ensure an excellent crossing performance with high RBP. Treasure the safety and the life of patients.

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

The MeCross HP Balloon Dilatation Catheter is indicated for balloon dilatation of the stenotic portion of coronary artery or bypasses graft stenosis for the purpose of improving myocardial perfusion; Balloon dilatation of a stent after implantation.



TECHNICAL SPECIFICATION

Performance	Specification	Performance	Specification
Balloon Diameter (mm)	2.0/2.5/2.75/3.0	Rated Burst Pressure	30atm
Balloon Length (mm)	8/10/12/15	Guide Wire Compatibility	0.014"
Working Length (mm)	1400	Catheter Compatibility	5F
Marker Band	double marker band	BDC Design	RX design
Nominal Pressure	12atm		

Product Advantages

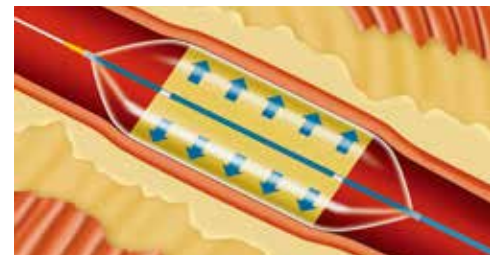
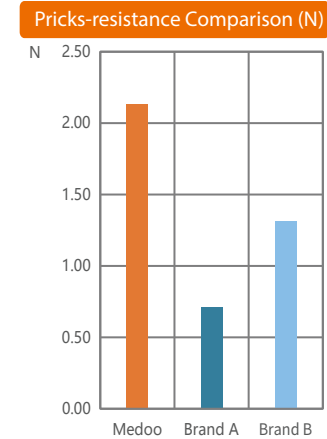
- Maximum diameter of 3.0mm can ensure the strongest post-dilatation force
- High pressure resistant, NP=12atm, RBP=30atm, Average Burst Pressure=38-42atm
- Accurate inflation is achieved by compliance of 0.55%/(atm) and axial elongation of 3%/(atm) to prevent dogboning phenomenon occurring
- Puncture-resistant performance enables easily passing through the most hard calcification and available for in-stent restenosis
- "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
- "Seamless" force conduction technology ensures enough pushability
- Suitable for in-stent dilatation



Pricks-resistance = 2.13N



Pricks-resistance = 2.13N (MeCross HP 2.0mm*8mm)



MeCross HP ends dogboning phenomenon while dilatation.



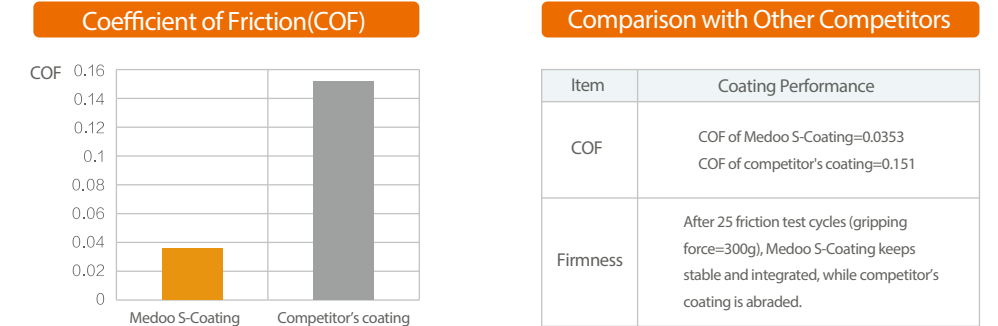
Dogboning phenomenon of regular balloon is detrimental to treatment.

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



Instruction

