



Catalogue No.	Proximal (F)	Distal (F)	Length (cm)	Inner Diameter Proximal / Distal (inch)	Tip	Hydrophilic Coating (cm)	Guidewire (inch)	Guide Catheter (inch)
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CARNELIAN 2.7 HIGH FLOW

MCH105-E	2.9	2.7	105	0.027 / 0.027	Straight	60	0.025	0.041
MCH125-E	2.9	2.7	125	0.027 / 0.027	Straight	60	0.025	0.041

CARNELIAN 2.2 SELECTIVE

MCV110-E	2.9	2.2	110	0.027 / 0.020	Straight	80	0.018	0.041
MCV110S-E	2.9	2.2	110	0.027 / 0.020	Straight	60	0.018	0.041
MCV110M-E	2.9	2.2	110	0.027 / 0.020	45	60	0.018	0.041
MCV110Q-E	2.9	2.2	110	0.027 / 0.020	Cobra	80	0.018	0.041
MCV135-E	2.9	2.2	135	0.027 / 0.020	Straight	80	0.018	0.041
MCV135S-E	2.9	2.2	135	0.027 / 0.020	Straight	60	0.018	0.041
MCV135M-E	2.9	2.2	135	0.027 / 0.020	45	60	0.018	0.041
MCV135Q-E	2.9	2.2	135	0.027 / 0.020	Cobra	80	0.018	0.041
MCV150-E	2.9	2.2	150	0.027 / 0.020	Straight	110	0.018	0.041
MCV150M-E	2.9	2.2	150	0.027 / 0.020	45	110	0.018	0.041

CARNELIAN 1.8 SUPER SELECTIVE

MSV110-E	2.7	1.8	110	0.023 / 0.017	Straight	80	0.016	0.038
MSV110S-E	2.7	1.8	110	0.023 / 0.017	Straight	60	0.016	0.038
MSV110M-E	2.7	1.8	110	0.023 / 0.017	45	60	0.016	0.038
MSV110Q-E	2.7	1.8	110	0.023 / 0.017	Cobra	80	0.016	0.038
MSV135-E	2.7	1.8	135	0.023 / 0.017	Straight	80	0.016	0.038
MSV135S-E	2.7	1.8	135	0.023 / 0.017	Straight	60	0.016	0.038
MSV135M-E	2.7	1.8	135	0.023 / 0.017	45	60	0.016	0.038
MSV135Q-E	2.7	1.8	135	0.023 / 0.017	Cobra	80	0.016	0.038
MSV135X-E	2.7	1.8	135	0.023 / 0.017	Straight	60	0.016	0.038
MSV150-E	2.7	1.8	150	0.023 / 0.017	Straight	110	0.016	0.038
MSV150M-E	2.7	1.8	150	0.023 / 0.017	45	110	0.016	0.038

CARNELIAN 1.7 ULTRA SELECTIVE

MSVS110-E	2.8	1.7	110	0.023 / 0.017	Straight	60	0.016	0.038
MSVS110M-E	2.8	1.7	110	0.023 / 0.017	45	60	0.016	0.038
MSVS110W-E	2.8	1.7	110	0.023 / 0.017	W	60	0.016	0.038
MSVS135-E	2.8	1.7	135	0.023 / 0.017	Straight	60	0.016	0.038
MSVS135M-E	2.8	1.7	135	0.023 / 0.017	45	60	0.016	0.038
MSVS135W-E	2.8	1.7	135	0.023 / 0.017	W	60	0.016	0.038

CARNELIAN SI COIL EMBOLIZATION *Double Markers

MCC110S-E	2.8	1.9	110	0.021 / 0.021	Straight	60	0.018	0.041
MCC110M-E	2.8	1.9	110	0.021 / 0.021	45	60	0.018	0.041
MCC110W-E	2.8	1.9	110	0.021 / 0.021	W	60	0.018	0.041
MCC125S-E	2.8	1.9	125	0.021 / 0.021	Straight	60	0.018	0.041
MCC135S-E	2.8	1.9	135	0.021 / 0.021	Straight	60	0.018	0.041
MCC135M-E	2.8	1.9	135	0.021 / 0.021	45	60	0.018	0.041
MCC135W-E	2.8	1.9	135	0.021 / 0.021	W	60	0.018	0.041
MCC150-E	2.8	1.9	150	0.021 / 0.021	Straight	110	0.018	0.041
MCCW130-E*	2.8	1.9	130	0.021 / 0.021	Straight	60	0.018	0.041
MCCW150-E*	2.8	1.9	150	0.021 / 0.021	Straight	110	0.018	0.041

CARNELIAN 1.9 MICROSHERE EMBOLIZATION

MSB110-E	2.8	1.9	110	0.026 / 0.020	Straight	60	0.018	0.041
MSB110M-E	2.8	1.9	110	0.026 / 0.020	45	60	0.018	0.041
MSB110W-E	2.8	1.9	110	0.026 / 0.020	W	60	0.018	0.041
MSB135-E	2.8	1.9	135	0.026 / 0.020	Straight	60	0.018	0.041
MSB135M-E	2.8	1.9	135	0.026 / 0.020	45	60	0.018	0.041
MSB135W-E	2.8	1.9	135	0.026 / 0.020	W	60	0.018	0.041

FOR ALL PERIPHERAL EMBOLIZATION NEEDS

Carnelian



Mark Your Destination with CARNELIAN Series

Multistep Shaft with Optimal Balance

Unique shaft design facilitates selective catheterization and smooth tracking into tortuous anatomy

Tapered or Straight Inner Lumen

The tapered inner lumen provides higher flow rate while the straight inner is best for coil embolization

Tungsten Braid

The built-in tungsten provides not only excellent kink resistance but also optimal visibility

Platinum Marker Band

One or two radiopaque marker bands facilitate rapid and precise positioning

PTFE Inner Layer

The smooth surface provides smooth tracking to guidewire and easy delivery of embolic agent

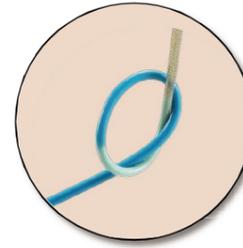
Hydrophilic Coating

Tokai coating technology facilitates easy and smooth tracking

Embolic Material Compatibility

Tokai Microcatheter is compatible with DMSO

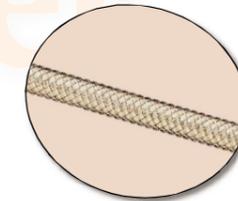
FLEXIBLE DISTAL TIP



MULTI-STEP SHAFT



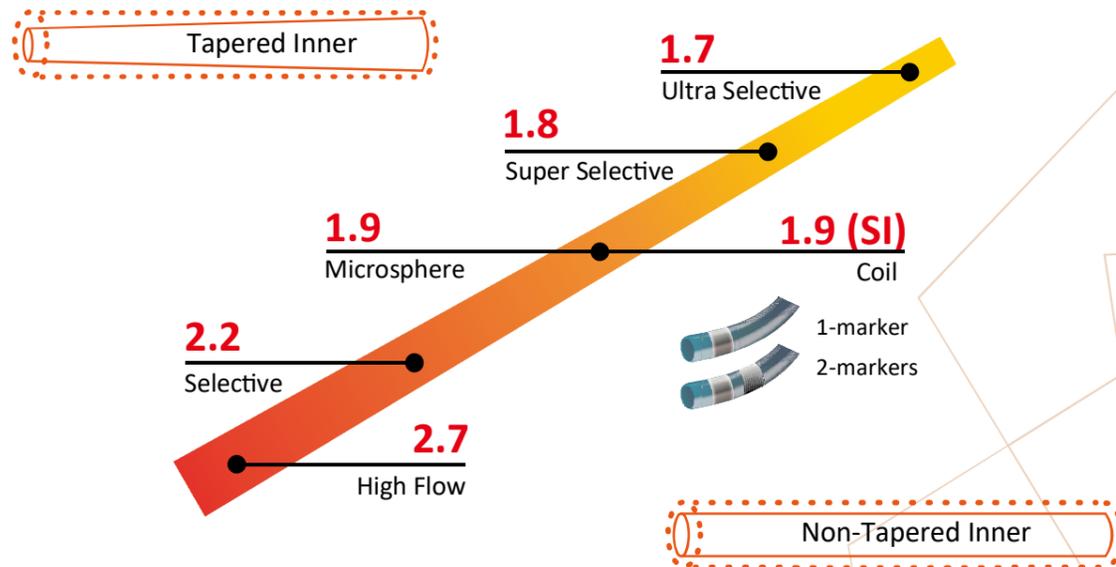
HYDROPHILIC COATING



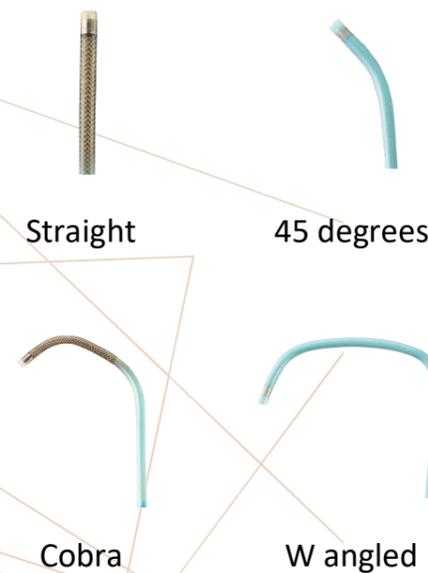
PLATINUM MARKER BAND

TUNGSTEN BRAID

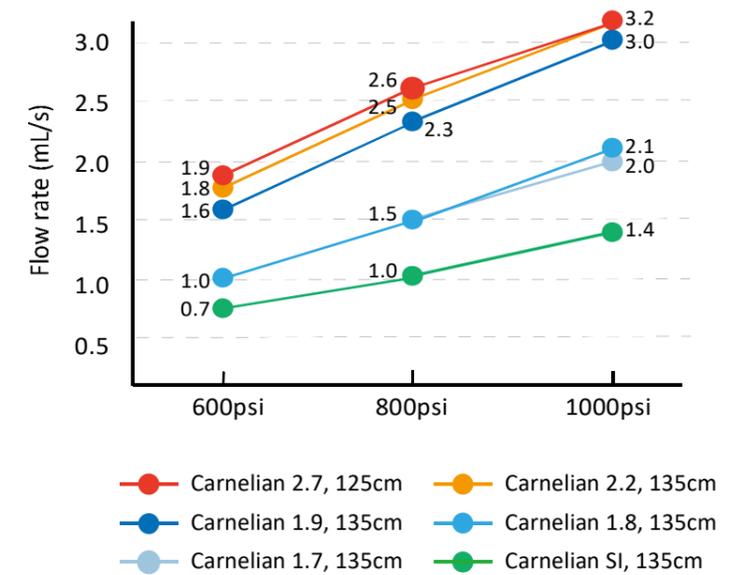
The CARNELIAN Family



Tip Variations



Flow Rate



Contrast Agent: Iopamidol 370
 Set Condition:
 Volume (mL): 20 (2.7), 10 (2.2, 1.9, 1.8, 1.7 & SI), Flow Rate (mL/s): 6

Internal bench test done by Tokai Medical Products. Data available on request. Bench test data may not necessarily be indicative of clinical performance.