

Allows every case to progress smoothly

RyureiTM

PTCA Dilatation Catheter



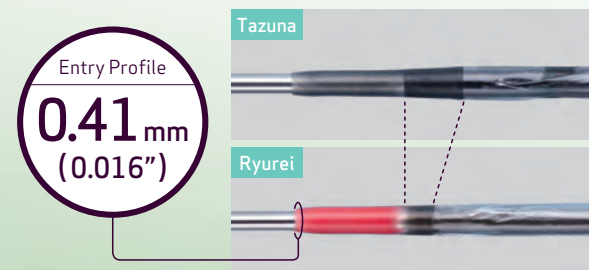
Taking on the challenge of complicated lesions

Aspiring to achieve perfect balance
—a tradition of Terumo balloons.
Tracking the vessel toward the target lesion,
smoothly and powerfully.
Your partner supporting PCI procedures
under a range of therapeutic conditions.

Ryurei was developed to create “a balloon that can support the procedure under any therapeutic conditions.” Ryurei achieves smooth trackability and powerful crossability in complicated lesions by using a flexible material for the tip and adopting a core wire structure. In addition, the product lineup includes a catheter having a balloon with the smallest possible diameter of 1.0 mm. Ryurei, with its wide range of catheters in the product lineup and high effectiveness, supports PCI procedures in a variety of cases.

Tip

- A small entry profile of 0.41 mm
Like Tazuna, the tip is made of a flexible material.



Balloon

- 1.00 mm—
the smallest diameter* for a balloon
A 1.00-mm diameter balloon is included in the lineup,
facilitating manipulation in severely stenotic lesions.
*Among Terumo balloons (as of February 2018)

- Re-wrappable structure

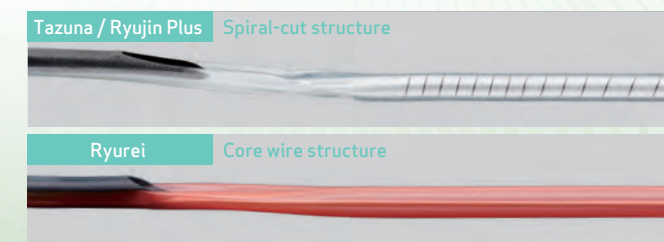
Three pleats
Diameter 2.25–4.00 mm



Shaft

- Core wire structure

The conventional spiral-cut structure used from the proximal end to the tip of the shaft in existing balloons was re-engineered, switching to a core wire structure.



Ryurei Semi-compliant PTCA balloon

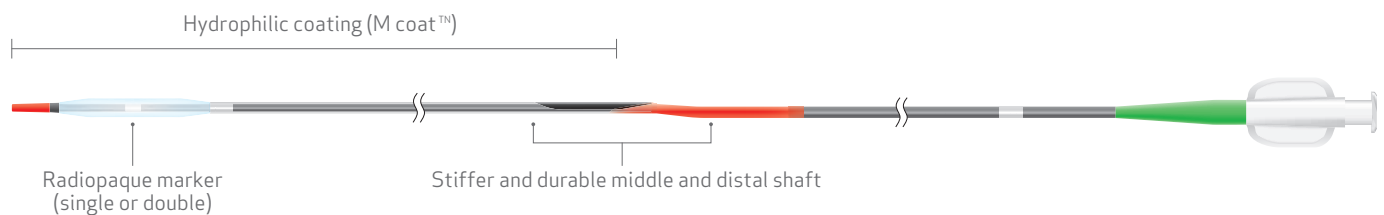
Balloon diameter (mm)	NP (atm/kPa)	RBP (atm/kPa)	Distal shaft OD (Fr./mm)	Proximal shaft OD (Fr./mm)	Balloon length						Radiopaque marker	
					5mm	10mm	15mm	20mm	30mm	40mm		
1.00	6/608	14/1419	2.4-2.7/0.79-0.89	1.9/0.64	DC-RR1005HH							Single
1.25	6/608	14/1419	2.4-2.7/0.79-0.89	1.9/0.64	DC-RR1205HH	DC-RR1210HH	DC-RR1215HH	DC-RR1220HH				Single
1.50	6/608	14/1419	2.4-2.7/0.79-0.89	1.9/0.64	DC-RR1505HH	DC-RR1510HH	DC-RR1515HH	DC-RR1520HH				Single
2.00	6/608	14/1419	2.6/0.87	1.9/0.64		DC-RR2010HHW	DC-RR2015HHW	DC-RR2020HHW	DC-RR2030HHW	DC-RR2040HHW		Double
2.25	6/608	14/1419	2.6/0.87	1.9/0.64		DC-RR2210HHW	DC-RR2215HHW	DC-RR2220HHW				Double
2.50	6/608	14/1419	2.6/0.87	1.9/0.64		DC-RR2510HHW	DC-RR2515HHW	DC-RR2520HHW	DC-RR2530HHW	DC-RR2540HHW		Double
2.75	6/608	14/1419	2.6/0.87	1.9/0.64		DC-RR2710HHW	DC-RR2715HHW	DC-RR2720HHW				Double
3.00	6/608	14/1419	2.6/0.87	1.9/0.64		DC-RR3010HHW	DC-RR3015HHW	DC-RR3020HHW	DC-RR3030HHW	DC-RR3040HHW		Double
3.25	6/608	12/1216	2.6/0.87	1.9/0.64		DC-RR3210HHW	DC-RR3215HHW	DC-RR3220HHW				Double
3.50	6/608	12/1216	2.6/0.87	1.9/0.64		DC-RR3510HHW	DC-RR3515HHW	DC-RR3520HHW	DC-RR3530HHW	DC-RR3540HHW		Double
3.75	6/608	12/1216	2.6/0.87	1.9/0.64		DC-RR3710HHW	DC-RR3715HHW	DC-RR3720HHW				Double
4.00	6/608	12/1216	2.6/0.87	1.9/0.64		DC-RR4010HHW	DC-RR4015HHW	DC-RR4020HHW				Double

Relationship between the balloon outer diameter and the allowable inflation pressure

Pressure	(atm)	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	(kPa)	405	507	608	709	811	912	1013	1115	1216	1317	1419	1520	1621	1723
Balloon outer diameter (mm)	1.00	0.91	0.96	1.00	1.04	1.07	1.10	1.13	1.15	1.17	1.19	1.21	1.24	1.24	1.29
	1.25	1.19	1.22	1.25	1.28	1.30	1.32	1.33	1.35	1.37	1.39	1.41	1.44	1.45	1.47
	1.50	1.41	1.46	1.50	1.54	1.57	1.60	1.62	1.64	1.66	1.69	1.72	1.75	1.79	1.84
	2.00	1.87	1.95	2.00	2.04	2.08	2.11	2.13	2.15	2.18	2.20	2.23	2.26	2.30	2.33
	2.25	2.16	2.21	2.25	2.29	2.32	2.36	2.39	2.42	2.46	2.49	2.53	2.57	2.62	2.66
	2.50	2.40	2.45	2.50	2.54	2.58	2.62	2.66	2.69	2.74	2.78	2.82	2.87	2.91	2.97
	2.75	2.64	2.70	2.75	2.80	2.84	2.88	2.93	2.97	3.02	3.07	3.12	3.18	3.24	3.31
	3.00	2.89	2.95	3.00	3.05	3.09	3.14	3.18	3.23	3.28	3.33	3.38	3.44	3.50	3.57
	3.25	3.12	3.19	3.25	3.30	3.36	3.41	3.46	3.51	3.57	3.63	3.70	3.77		
	3.50	3.37	3.44	3.50	3.56	3.62	3.67	3.73	3.79	3.86	3.93	4.01	4.09		
3.75	3.62	3.69	3.75	3.81	3.87	3.93	3.99	4.06	4.13	4.21	4.29	4.38			
4.00	3.86	3.93	4.00	4.07	4.13	4.19	4.26	4.33	4.41	4.49	4.57	4.67			

NP Nominal Pressure **RBP** Rated Burst Pressure (upper limit)

Structure



* The images here are intended for illustrative purposes only.
* The photos here do not represent the actual size of the product.