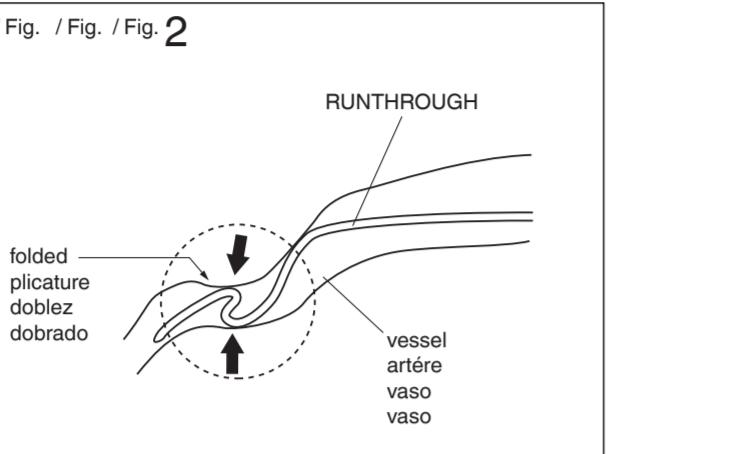
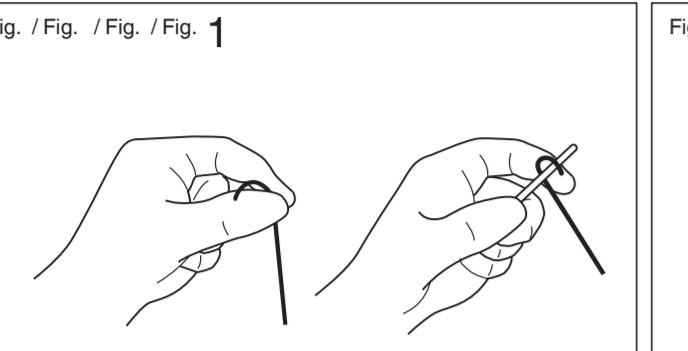


# Runthrough® NS

PTCA Guide Wire / Guide PTCA / Guía ACTP / Fio-Guia ACTP



Rx ONLY

**CAUTION:** Federal law (U.S.A.) restricts this device to sale by or on the order of a physician.  
**ATTENTION:** Conformément au droit fédéral des Etats-Unis, ce dispositif ne peut être vendu que par ou sur prescription d'un médecin.  
**ATENCIÓN:** La Ley Federal (U.S.A) restringe la venta de este dispositivo a un médico o bien orden de éste.  
**ATENÇÃO:** A Lei Federal dos E.U.A. restringe a venda deste dispositivo por médicos ou por sua prescrição.

#	Contents	REF	LOT	EXP	Manufacturer
Extensible	Code No	Lot No	Expiry date	Utiliser avant	Terumo Corporation
Extensible	Reference	Número de lot	Caducidad	Caducidad	
Extensible	Codejugo	Número de lote	Prazo de validade	Prazo de validade	
Prolongável					

**Extensible**

**STERILE EO**

STERILIZED by ethylene oxide  
Sterilized à l'oxyde d'éthylène  
Esterilizado con óxido de etileno  
Esterilizado com óxido de etileno



For single use only

Sterilized para uso único

Valido para un solo uso

Uso unico



Read the instructions for use

Lire le mode d'emploi

Leer las instrucciones de uso

Leia as instruções de utilização

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**TERUMO CORPORATION**  
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TOKYO 151-0072, JAPAN  
MADE IN JAPAN

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## ENGLISH

### INSTRUCTIONS FOR USE

Read the following warnings, precautions, and directions for use carefully.

**CAUTION:** Federal law (U.S.A.) restricts this device to sale by or on the order of a physician.

### INDICATIONS

The RUNTHROUGH NS (or RUNTHROUGH NS Extension Wire) are used to facilitate the placement of balloon dilation catheters for percutaneous transluminal coronary angioplasty (PTCA) and/or percutaneous transluminal angioplasty (PTA).

### DESCRIPTION

The RUNTHROUGH NS is a guide wire for use in PTCA, and/or PTA with good conformability and hydrophilicity in the vessel. The stent part of the wire has a proximal portion with hydrophilic polymer coating which generates high lubricity with the rest of the wire. The distal portion of the spring coil has a radiopaque spring coil which provides good visibility and shapeability.

The RUNTHROUGH NS has a modified proximal and need to attach to the stent or balloon catheter.

Please refer the product label which explains availability to use Guide Wire Extension system.

### CONTRAINdications

Possible complications associated with the use of the RUNTHROUGH NS include, but are not limited to, the following:

• Alcohol abuse or injection.

• Hypertension

• Coronary artery dissection, Arterial perforation, Arterial rupture, Coronary artery injury

• Infectious disease and puncture site complication

• A hemoragic complication

• Myocardial ischemia

• Coronary artery spasm

• Bradycardia, Palpitation

• Arteriovenous fistula

• Unstable angina pectoris

• Arrhythmia during the ventricular fibrillation

• Formation of female false aneurysm, false aneurysm

• Allergy for materials

• Occlusion of coronary artery

• Data embolism

• Cerebral infarction

• Vessel occlusion

• Intimal tear

• Vessel damage

• Vessel spasm

• Hemorrhage at the puncture site

• Infection

• Pain

• Acute shunt occlusion

• Temporary modification of blood flow

• Other interventional devices to be used with the RUNTHROUGH NS.

### WARNINGS AND CAUTIONS

**WARNINGS** Prior to the procedure, carefully examine all equipment to verify its proper function and integrity. Failure to abide by the following directions may result in damage to the vessel, abrasion of the hydrophilic coating, or breakage/separation of the wire, which may necessitate retrieval.

• Do not use RUNTHROUGH NS with devices which contain metal parts such as Atherectomy catheters. Do not manipulate the RUNTHROUGH NS through the stent struts. Such devices may damage the stent struts or the hydrophilic polymer coating to the wire, and damage and/or sever the wire.

• The distal part of the RUNTHROUGH NS is not shapeable. Please refer DIRECTIONS FOR USE 1-5 for shaping the RUNTHROUGH NS.

• Manipulate the RUNTHROUGH NS slowly and carefully in the vessel while confirming the behavior and location of the wire tip under high resolution fluoroscopy.

• If any resistance is felt or if the tip's behavior and/or location is changed, stop manipulation and exchange the wire for a new one. Insert the wire back into the holder, and gently manipulate the wire to confirm the behavior and location of the wire tip under high resolution fluoroscopy.

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guide wire's tip, damage to the dilation catheter, or damage to the vessel.

• A retrieving device, such as a grasper or basket forceps, can only be used after the RUNTHROUGH NS has been removed from the vessel. Use of such device on the device while it is still in the vessel may cause the RUNTHROUGH NS to break.

• All devices used with the RUNTHROUGH NS should be sufficiently maintained prior to and during use with heparinized physiological saline solution. Improper priming of the system may result in damage to or the release of hydrophilic polymer fragments from the wire, which may necessitate retrieval of the wire.

• Do not use the RUNTHROUGH NS for insertion of or removal of a stent. It may result in breakage or separation of the wire.

• Do not use the RUNTHROUGH NS for removal of the catheter while the wire is still in the vessel.

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