

# FLEX-TIP®

## TECHNOLOGY





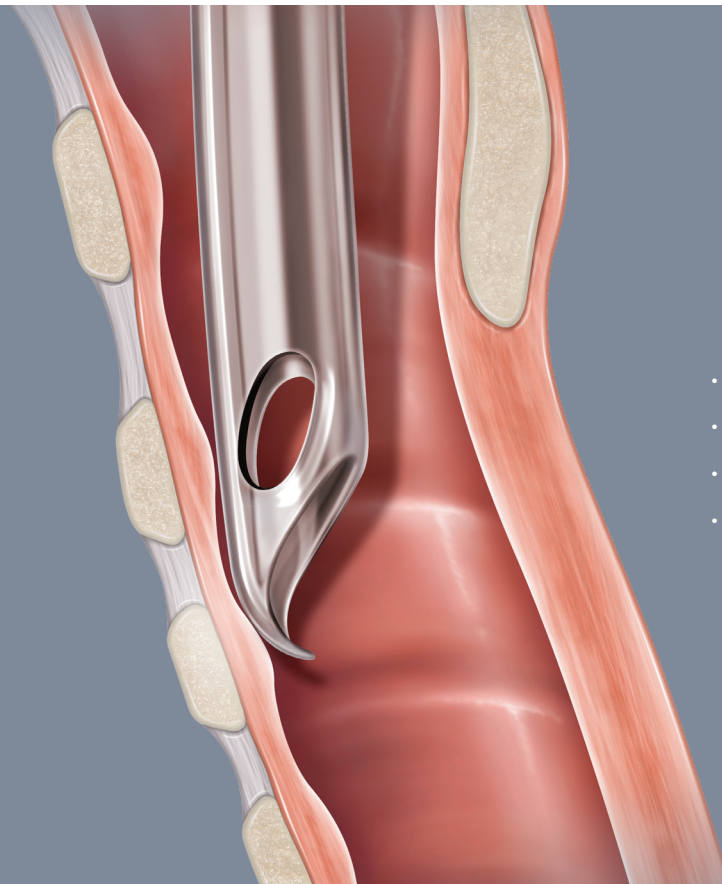
# Flex-Tip® Technology

For almost 30 years, Dr. Jeff Parker did many intubations as a Critical Care physician. Over this time, however, he noticed that intubation was frequently slow, difficult, and often traumatic, even when performed by experienced anesthesiologists. Since nobody had identified the origin of these problems, Dr. Parker set out to determine the root cause of these unfortunate outcomes. His research identified the forward tips of standard endotracheal tubes as the underlying cause of most of these problems. To eliminate intubation difficulties and airway trauma, he completely redesigned the tips of standard endotracheal tubes. The result is the revolutionary Flex-Tip® Endotracheal Tube. Independent clinical studies demonstrate significant clinical advantages over standard tubes.<sup>1,2</sup>

**FLEX-TIP®**  
Endotracheal Tube Tip



**STANDARD**  
Endotracheal Tube Tip



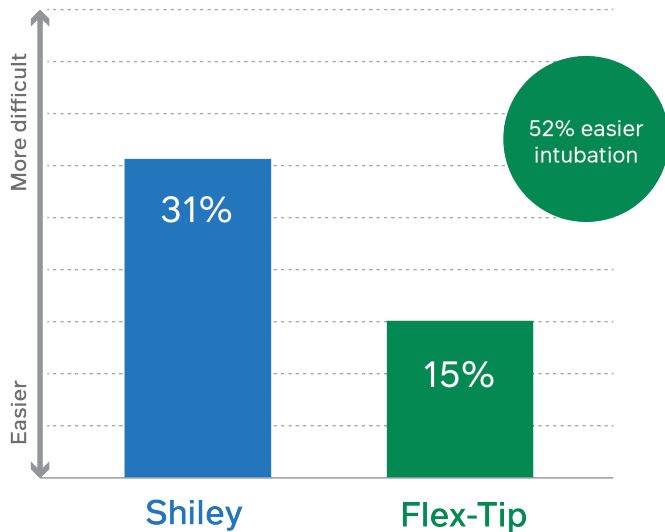
**A unique, patented design  
that helps avoid airway  
collisions, providing a  
smooth and easy intubation.**

- Atraumatic Flex-Tip reduces the incidence of airway collision
- Soft, flexible, rounded tips glide through airway anatomy
- Centered tip prevents trauma to the airway
- Tip closely hugs intubation guides, introducers, and stylets

# Clinically-proven intubation experience

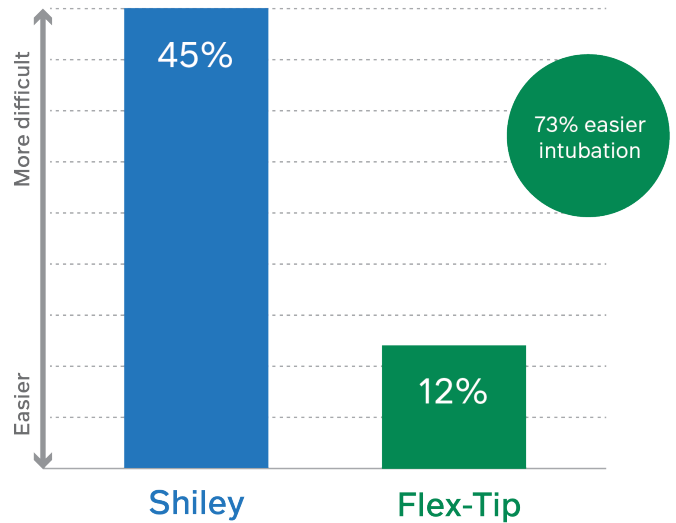
Clinical studies suggest smoother intubations across a range of situations<sup>1,2</sup>

## EASE OF INTUBATION



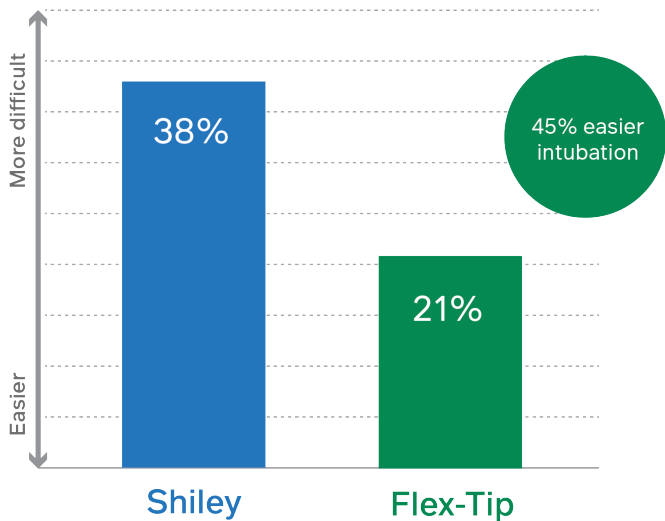
For all non-difficult airway patients intubated with GlideScope<sup>1</sup>

## EASE OF INTUBATION



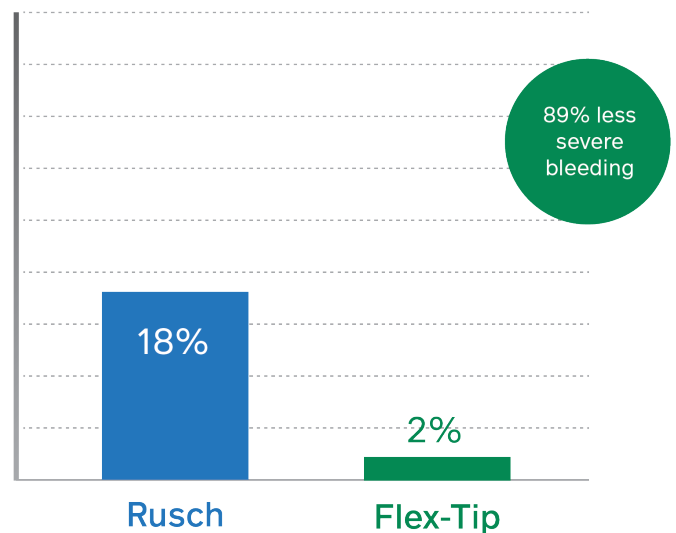
For non-difficult airway patients intubated with GlideScope where airway was difficult to visualize<sup>1,a</sup>

## EASE OF INTUBATION



For non-difficult airway patients intubated with GlideScope without paralysis<sup>1,b</sup>

## PATIENTS WITH SEVERE BLEEDING



For nasotracheal intubation of non-difficult airway patients<sup>2</sup>

1. Radesic BP, Winkleman C, Einsporn R, Kless J. Ease of intubation with the Parker Flex-Tip or a standard Mallinckrodt endotracheal tube using a video laryngoscope (GlideScope). AANA J. 2012;80:363-372.

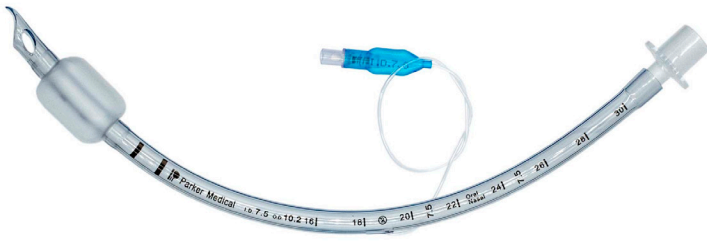
2. Sanuki T, Hirokane M, Matsuda Y, Sugioka S, Kotani J. The Parker Flex-Tip tube for nasotracheal intubation: the influence on nasal mucosal trauma. Anaesthesia. 2010; 65:8-11.

a. Cormack-Lehane (CL) score. 2 indicates only partial view of glottis or arytenoid cartilage.

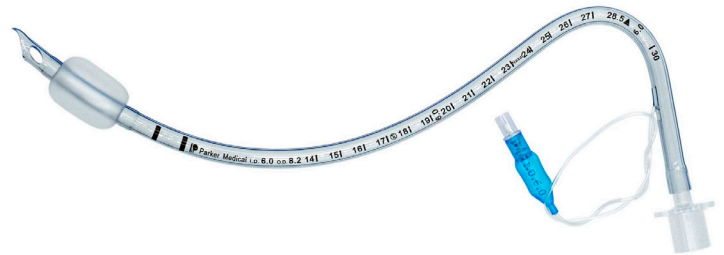
b. Partial paralysis included any cases with muscle twitches measured using nerve stimulator with train-of-four stimuli.

# Flex-Tip® Family of Products

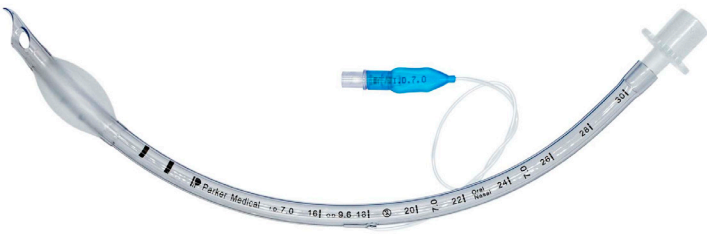
A wide range of shapes and sizes to accommodate a variety of pediatric and adult patients



High Volume Low Pressure, Cuffed (PFHV)  
4.0 – 9.5 mm



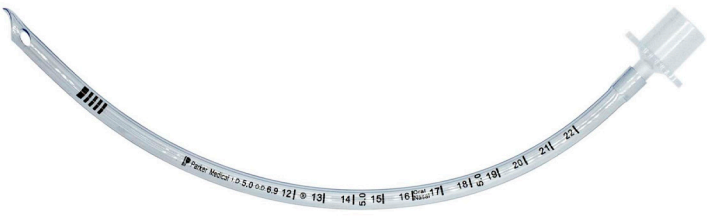
Preformed, Nasal, Cuffed (PFNC)  
4.0 – 9.0 mm



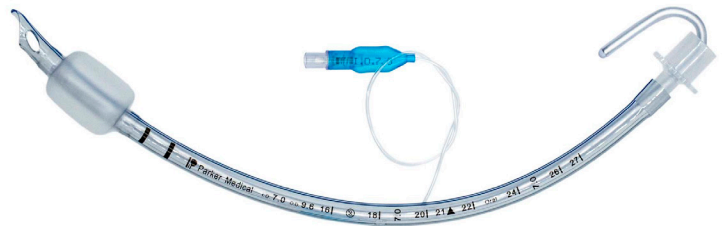
Low Profile, Cuffed (PFLP)  
4.0 – 9.5 mm



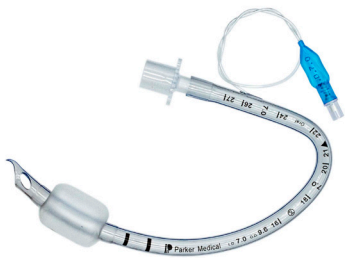
Preformed, Nasal, Uncuffed (PFNU)  
3.0 – 7.0 mm



Uncuffed (PFUO)  
2.5 – 7.0 mm



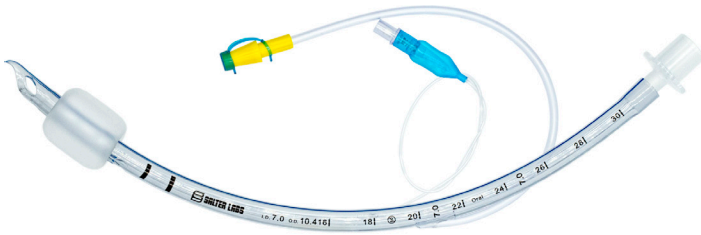
Tracheal Tube with Malleable Stylet  
High Volume Low Pressure, Cuffed (PFST)  
4.0 – 9.5 mm



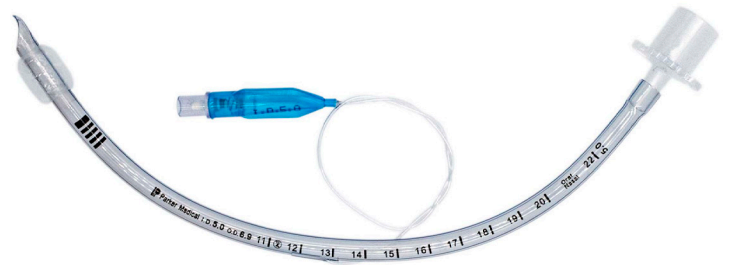
Preformed, Oral, Cuffed (PFOC)  
4.0 – 9.0 mm



Preformed, Oral, Uncuffed (PFOU)  
3.0 – 9.0 mm



**Trach-Vac™ Subglottic Suction Endotracheal Tube (SFTVVC/ SFTVPU)**  
6.0 – 9.0 mm



**Magill-Type, ThinCuff Shorter Cuff, Close to Tip of the Tube, No Murphy Eyes (PTCL)**  
3.0 – 7.0 mm



**Murphy-Type, ThinCuff Longer Cuff, Two Murphy Eyes (PTCY)**  
6.0 – 9.5 mm

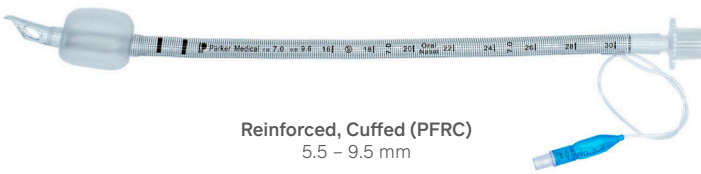
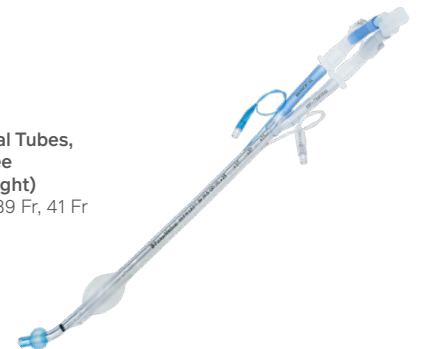


**Microlaryngeal, Cuffed (PMLT)**  
4.0 mm, 5.0 mm, 6.0 mm

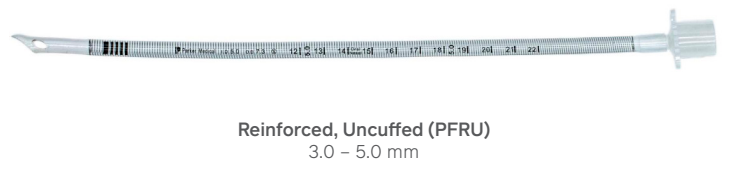
**Laryngeal Mask Device, Disposable, 100% Silicone**  
PLMD (Standard)  
PLMDR (Reinforced)  
Sizes 1.0, 1.5, 2.0, 2.5, 3.0, 4.0, 5.0



**Double Lumen Endobronchial Tubes, Disposable, Latex Free**  
PSTD (Left), PSTDR (Right)  
Sizes 28 Fr, 32 Fr, 35 Fr, 37 Fr, 39 Fr, 41 Fr



**Reinforced, Cuffed (PFRC)**  
5.5 – 9.5 mm



**Reinforced, Uncuffed (PFRU)**  
3.0 – 5.0 mm



**Malleable Metal Intubation Stylet (STLT)**  
*Aluminum stylet enclosed in PVC sheath provides smooth mobility in and out of endotracheal tube during intubation.*  
Available in three sizes: 6 Fr, 10 Fr, and 14 Fr



**Nasopharyngeal Airway (NPA)**  
12 – 36 Fr

## FLEX-TIP® ENDOTRACHEAL AND MICROLARYNGEAL TUBES

SIZE	2.5 mm	3.0 mm	3.5 mm	4.0 mm	4.5 mm
High Volume Low Pressure, Cuffed (PFHV)				H-PFHV-40	H-PFHV-45
Low Profile, Cuffed (PFLP)		H-PFLP-30	H-PFLP-35	H-PFLP-40	H-PFLP-45
Uncuffed (PFUO)	H-PFUO-25	H-PFUO-30	H-PFUO-35	H-PFUO-40	H-PFUO-45
Preformed, Nasal, Cuffed (PFNC)				H-PFNC-40	H-PFNC-45
Preformed, Nasal, Uncuffed (PFNU)		H-PFNU-30	H-PFNU-35	H-PFNU-40	H-PFNU-45
Preformed, Oral, Uncuffed (PFOU)		H-PFOU-30	H-PFOU-35	H-PFOU-40	H-PFOU-45
Preformed, Oral, Cuffed (PFOC)				H-PFOC-40	H-PFOC-45
Reinforced, Uncuffed (PFRU)		H-PFRU-30	H-PFRU-35	H-PFRU-40	H-PFRU-45
Reinforced, Cuffed (PFRU)					
Polyurethane ThinCuff, DEHP-free tubing, Magill Style, Cuffed (PTCL)		H-PTCL-30	H-PTCL-35	H-PTCL-40	H-PTCL-45
Polyurethane ThinCuff, DEHP-free tubing, Murphy Style, Cuffed (PTCY)					
High Volume Low Pressure, Cuffed (PFST), pre-loaded with sheathed malleable aluminum stylet				H-PFST-40	H-PFST-45
Microlaryngeal (PMLT)				H-PMLT-40	
Subglottic, PVC, Cuffed (SFTVVC)					
Subglottic, Polyurethane, Thin Cuff (SFTVPU)					

## INTUBATING STYLETS

ITEM	O.D.	SIZE	PK
H-STLT-6	2.0 mm	6 Fr	20
H-STLT-10	3.3 mm	10 Fr	20
H-STLT-14	4.7 mm	14 Fr	20

## LARYNGEAL MASK DEVICE

DISPOSABLE SILICONE ITEM	DISPOSABLE SILICONE, WIRE REINFORCED ITEM	SIZE	PK
H-PLMD-10	H-PLMDR-10	1.0 mm	5
H-PLMD-15	H-PLMDR-15	1.5 mm	5
H-PLMD-20	H-PLMDR-20	2.0 mm	5
H-PLMD-25	H-PLMDR-25	2.5 mm	5
H-PLMD-30	H-PLMDR-30	3.0 mm	5
H-PLMD-40	H-PLMDR-40	4.0 mm	5
H-PLMD-50	H-PLMDR-50	5.0 mm	5

## NASOPHARYNGEAL AIRWAY WITH FLEX-TIP®

ITEM	SIZE	O.D.	I.D.	PK
H-NPA-12	12 Fr	4.0 mm	3.0 mm	10
H-NPA-14	14 Fr	4.7 mm	3.5 mm	10
H-NPA-16	16 Fr	5.3 mm	4.0 mm	10
H-NPA-18	18 Fr	6.0 mm	4.5 mm	10
H-NPA-20	20 Fr	6.7 mm	5.0 mm	10
H-NPA-22	22 Fr	7.3 mm	5.5 mm	10
H-NPA-24	24 Fr	8.0 mm	6.0 mm	10
H-NPA-26	26 Fr	8.7 mm	6.5 mm	10
H-NPA-28	28 Fr	9.3 mm	7.0 mm	10
H-NPA-30	30 Fr	10.0 mm	7.5 mm	10
H-NPA-32	32 Fr	10.7 mm	8.0 mm	10
H-NPA-34	34 Fr	11.3 mm	8.5 mm	10
H-NPA-36	36 Fr	12.0 mm	9.0 mm	10

5.0 mm	5.5 mm	6.0 mm	6.5 mm	7.0 mm	7.5 mm	8.0 mm	8.5 mm	9.0 mm	9.5 mm	PK
H-PFHV-50	H-PFHV-55	H-PFHV-60	H-PFHV-65	H-PFHV-70	H-PFHV-75	H-PFHV-80	H-PFHV-85	H-PFHV-90	H-PFHV-95	10
H-PFLP-50	H-PFLP-55	H-PFLP-60	H-PFLP-65	H-PFLP-70	H-PFLP-75	H-PFLP-80	H-PFLP-85	H-PFLP-90	H-PFLP-95	10
H-PFUO-50	H-PFUO-55	H-PFUO-60	H-PFUO-65	H-PFUO-70						10
H-PFNC-50	H-PFNC-55	H-PFNC-60	H-PFNC-65	H-PFNC-70	H-PFNC-75	H-PFNC-80	H-PFNC-85	H-PFNC-90		5
H-PFNU-50	H-PFNU-55	H-PFNU-60	H-PFNU-65	H-PFNU-70						5
H-PFOU-50	H-PFOU-55	H-PFOU-60	H-PFOU-65	H-PFOU-70	H-PFOU-75	H-PFOU-80	H-PFOU-85	H-PFOU-90		10
H-PFOC-50	H-PFOC-55	H-PFOC-60	H-PFOC-65	H-PFOC-70	H-PFOC-75	H-PFOC-80	H-PFOC-85	H-PFOC-90		10
H-PFRU-50										5
	H-PFRC-55	H-PFRC-60	H-PFRC-65	H-PFRC-70	H-PFRC-75	H-PFRC-80	H-PFRC-85	H-PFRC-90	H-PFRC-95	5
H-PTCL-50	H-PTCL-55	H-PTCL-60	H-PTCL-65	H-PTCL-70						10
		H-PTCY-60	H-PTCY-65	H-PTCY-70	H-PTCY-75	H-PTCY-80	H-PTCY-85	H-PTCY-90	H-PTCY-95	10
H-PFST-50	H-PFST-55	H-PFST-60	H-PFST-65	H-PFST-70	H-PFST-75	H-PFST-80	H-PFST-85	H-PFST-90	H-PFST-95	10
H-PMLT-50		H-PMLT-60								10
		H-SFTVVC-60	H-SFTVVC-65	H-SFTVVC-70	H-SFTVVC-75	H-SFTVVC-80	H-SFTVVC-85	H-SFTVVC-90		10
		H-SFTVPU-60	H-SFTVPU-65	H-SFTVPU-70	H-SFTVPU-75	H-SFTVPU-80	H-SFTVPU-85	H-SFTVPU-90		10

## DOUBLE-LUMEN ENDOBONCHIAL TUBE

ITEM	SIDE	SIZE	PK
H-PSTDR-28-1	Right	28 Fr	1
H-PSTDR-32-1	Right	32 Fr	1
H-PSTDR-35-1	Right	35 Fr	1
H-PSTDR-37-1	Right	37 Fr	1
H-PSTDR-39-1	Right	39 Fr	1
H-PSTDR-41-1	Right	41 Fr	1
H-PSTDL-28-1	Left	28 Fr	1
H-PSTDL-32-1	Left	32 Fr	1
H-PSTDL-35-1	Left	35 Fr	1
H-PSTDL-37-1	Left	37 Fr	1
H-PSTDL-39-1	Left	39 Fr	1
H-PSTDL-41-1	Left	41 Fr	1

## TRACH-VAC™ SUBGLOTTIC SUCTION ENDOTRACHEAL TUBE WITH FLEX-TIP®

ITEM	CUFF TYPE	CUFF DIA.	ID	OD	PK
H-SFTVVC-60-10	PVC	25 mm	6.0 mm	9.0 mm	10
H-SFTVVC-65-10	PVC	25 mm	6.5 mm	9.8 mm	10
H-SFTVVC-70-10	PVC	26 mm	7.0 mm	10.4 mm	10
H-SFTVVC-75-10	PVC	26 mm	7.5 mm	11.2 mm	10
H-SFTVVC-80-10	PVC	28 mm	8.0 mm	11.8 mm	10
H-SFTVVC-85-10	PVC	28 mm	8.5 mm	12.6 mm	10
H-SFTVVC-90-10	PVC	28 mm	9.0 mm	13.1 mm	10
H-SFTVPU-60-10	Polyurethane	20 mm	6.0 mm	9.0 mm	10
H-SFTVPU-65-10	Polyurethane	24 mm	6.5 mm	9.8 mm	10
H-SFTVPU-70-10	Polyurethane	24 mm	7.0 mm	10.4 mm	10
H-SFTVPU-75-10	Polyurethane	26 mm	7.5 mm	11.2 mm	10
H-SFTVPU-80-10	Polyurethane	26 mm	8.0 mm	11.8 mm	10
H-SFTVPU-85-10	Polyurethane	30 mm	8.5 mm	12.6 mm	10
H-SFTVPU-90-10	Polyurethane	30 mm	9.0 mm	13.1 mm	10





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