

MAQUET
GETINGE GROUP

INTERGARD KNITTED

CARDIOVASCULAR



THE OPTIMAL CHOICE FOR ABDOMINAL VASCULAR RECONSTRUCTION

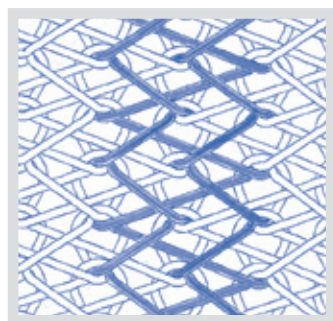
INTERGARD KNITTED

- INTERGARD Knitted has demonstrated long-term durability and resistance to post-operative dilatation²
- Proprietary knit design produces outstanding handling and suturability
- Low profile velour construction designed to promote optimal healing
- Proven clinical safety and efficacy

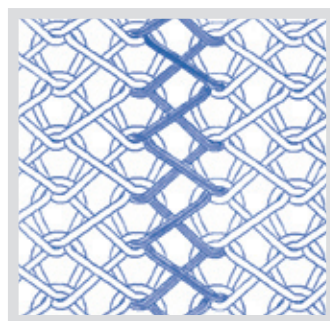
INTERGARD knitted collagen coated vascular grafts incorporate a highly filamentous, texturized low twist yarn into a stable, reverse locknit construction with excellent handling and suturing characteristics. This results in long-term stability and resistance to dilatation. INTERGARD Knitted has a burst strength nearly twice that of other knitted polyester collagen impregnated grafts on the market.¹ This significantly reduces the potential for postoperative dilatation.² To promote optimal healing and long term patency, INTERGARD Knitted grafts have a low profile velour on the external surface.

The INTERGARD Knitting Technique - Superior Textile

Design Long-term stability of graft material is crucial to enduring graft performance. INTERGARD utilizes a 3-yarn reverse locknit knitting technique. This produces burst strength, radial tensile strength, and suture pull-out strength characteristics which are significantly greater than corresponding statistical values for commercially available collagen impregnated grafts, which utilize a tricot knit.¹ The INTERGARD locknit construction ensures long term stability and reduces the risk of dilatation.²

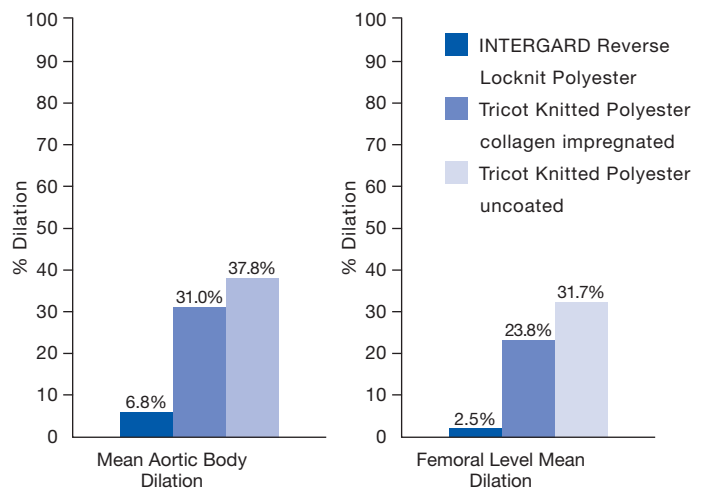


Reverse Locknit
(INTERGARD)



Tricot Knit
(Collagen impregnated graft)

A randomized clinical trial compared the dilatation characteristics of the INTERGARD Knitted collagen coated graft, which incorporates a reverse locknit construction, with both a collagen impregnated and uncoated graft with a warp/tricot knit construction. A significantly lower degree of dilatation was found for the reverse locknit construction compared to the warp/tricot knitted grafts.²



A clinical study to evaluate the performance of the INTERGARD knitted vascular graft versus a currently marketed collagen impregnated control graft was conducted at five investigational centers in the United States. The results demonstrated fewer complications and a higher primary patency rate for the INTERGARD knitted graft.³

SUMMARY OF ONE-YEAR RESULTS

	INTERGARD N=311	Control N=153
Actuarial Survival Rate	89.5% (247)	80.8% (73)
Safety		
Mortality	10.5%	19.2%
Explant	2.3%	4.2%
Amputation	0.4%	1.4%
Wound/Graft Infection	3.4%	7.1%
Bleeding	1.4%	3.2%
Thrombosis/Occlusion	8.4%	19.8%
Embolism	0.0%	2.1%
Effectiveness		
Primary Patency	91.6%	80.0%

1. Data on file, InterVascular

2. Swartbol P, Albrechtsson U, Parsson H, Norgren L. Dilatation of aortobifemoral grafts after a mean implantation of 5 years. *International Angiology* 1996 Vol. 15 No. 3 pp. 236-239.

3. INTERGARD Collagen Coated Knitted Vascular Grafts: Results of the U.S. Clinical Trial

INTERGARD KNITTED PRODUCT INFORMATION

PHYSICAL AND MECHANICAL PROPERTIES*

	Knitted
Coated polyester fabric	Cross-linked Type I bovine collagen
Construction	Knitted, external velour, reverse locknit
Water permeability	$\leq 5 \text{ ml} \cdot \text{cm}^{-2} \cdot \text{min}^{-1} @ 120 \text{ mmHg}$
Wall thickness**	0.49 mm
Burst strength**	32.7 kg/cm ²
45° suture retention**	3.37 kg

* Testing performed per ANSI/AAMI ISO 7198:1998/2001.

** Test results are for customer evaluation only and do not represent a product specification.

STRAIGHT

20 cm length:

Diameter	Reference
6 mm	IGK0006-20
7 mm	IGK0007-20
8 mm	IGK0008-20
10 mm	IGK0010-20
12 mm	IGK0012-20
14 mm	IGK0014-20
16 mm	IGK0016-20
18 mm	IGK0018-20
20 mm	IGK0020-20
22 mm	IGK0022-20
24 mm	IGK0024-20

40 cm length:

Diameter	Reference
6 mm	IGK0006-40
7 mm	IGK0007-40
8 mm	IGK0008-40
10 mm	IGK0010-40
12 mm	IGK0012-40
14 mm	IGK0014-40
16 mm	IGK0016-40
18 mm	IGK0018-40
20 mm	IGK0020-40
22 mm	IGK0022-40
24 mm	IGK0024-40

70 cm length:

Diameter	Reference
6 mm	IGK0006-70
7 mm	IGK0007-70
8 mm	IGK0008-70
10 mm	IGK0010-70

100 cm length:

Diameter	Reference
8 mm	IGK0008-100



RADIALLY SUPPORTED

Diameter	Proximal/ Distal Length	Supported Length	Total Length	Reference
8 mm	40/15 cm	15 cm	70 cm	IGK0008RS15
6 mm	35/15 cm	20 cm	70 cm	IGK0006RS20
8 mm	35/15 cm	20 cm	70 cm	IGK0008RS20
6 mm	25/15 cm	30 cm	70 cm	IGK0006RS30
8 mm	25/15 cm	30 cm	70 cm	IGK0008RS30
8 mm	20/20 cm	45 cm	85 cm	IGK0008RS45



BIFURCATED

50 cm length:

Diameter	Reference
12 mm x 6 mm	IGK1206
14 mm x 7 mm	IGK1407
16 mm x 8 mm	IGK1608
18 mm x 9 mm	IGK1809
20 mm x 10 mm	IGK2010
22 mm x 11 mm	IGK2211
24 mm x 12 mm	IGK2412



AXILLO BIFEMORAL GRAFTS

Diameter	Distal Length body/branch	Supported Length body/branch	Total Length body/branch	Reference
10x10 mm			100/60 cm	IGKAX1010
8x8 mm	20/35 cm	45/20 cm	85/55 cm	IGKAX0808RS45/20
8x8 mm	20/25 cm	45/30 cm	85/55 cm	IGKAX0808RS45/30
8x8 mm	20/25 cm	60/30 cm	100/55 cm	IGKAX0808RS60/30
10x8x8 mm	25/35 cm	35/20 cm	85/55 cm	IGKAX100808RS35/20
8x6x6 mm	25/35 cm	35/20 cm	85/55 cm	IGKAX080606RS35/20



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MCV00004535