



RECOMMENDED LAMINATION LAY-UPS

WHICH ADULT FUNCTIONAL LEVEL?

LEVEL 1	Fixed Cadence • Transfer on Level Surfaces • Household Ambulator
LEVEL 2	Transversing Low Level Barriers, Curbs, Stairs, Uneven Surfaces • Limited Community Ambulator
LEVEL 3	Variable Cadence • Transversing Environmental Barriers • Activity Demands Beyond Simple Locomotion
LEVEL 4	Exceeding Basic Ambulation Skills • High Impact, Stress or Energy Levels, Typical of Child

Activity Level	Patient Weight	Recommended Connectors	DGEL SYSTEM			DAW Generic Composite Lamination		
			Lay-up with DGEL Tubular Braid	Resin Used DGEL-RR2	Approx. Final Socket Weight*	Lay-up with Generic Braid	Resin used DGEL-RR2	Approx. Final Socket Weight*
LEVELS 1 & 2	36-54 kg (80-120 lb)	GUPA-MLAM RSC-TLAM GUPA-MLAMSTAR	Not Recommended	N/A	N/A	① FTB-GENERIC ① FTB-GENFIB ① FTB-GENERIC	150-200 g (5.3-7 oz)	357 g (12.7 oz)
	54-75 kg (120-165 lb)	GUPA-MLAM RSC-TLAM GUPA-MLAMSTAR	② DGEL-TB	75-125 g (2.7-4.4 oz)	216 g (7.7 oz)	① FTB-GENERIC ① FTB-GENFIB ① FTB-GENERIC	150-200 g (5.3-7 oz)	357 g (12.7 oz)
	75-100 kg (165-220 lb)	GUPT-MLAM TSC-BX RSC-TLAM	② DGEL-TB	75-125 g (2.7-4.4 oz)	216 g (7.7 oz)	② FTB-GENERIC ① FTB-GENFIB ② FTB-GENERIC	175-225 g (6.2-8 oz)	509 g (18 oz)
	100-113 kg (220-250 lb)	GUPT-MLAM TSC-BX RSC-TLAM	① DGEL-TB ① DGEL-FIBTB ① DGEL-TB	100-150 g (3.5-5.3 oz)	348 g (12.3 oz)	② FTB-GENERIC ② FTB-GENFIB ② FTB-GENFIB	200-250 g (7-9 oz)	589 g (20.8 oz)
	113 kg+ (250 lb+)	EXO-SKELETAL OR CALL TECH HOTLINE	④ DGEL-TB	125-200 g (4.4-7 oz)	336 g (12 oz)	③ FTB-GENERIC ① FTB-GENFIB ③ FTB-GENERIC	250-350 g (9-12.4 oz)	614 g (21.8 oz)

① = 1 layer, ② = 2 layers, ③ = 3 layers, ④ = 4 layers

* = Socket weight based on an average weight patient with 20 cm (8 in) long socket.

DGEL

- DGEL-TB = DGEL Tubular Braid (Available in 3, 4, 5, 6, 7 & 8 in. wide)
- DGEL-FIBTB = DGEL Tubular Fiber Beam Braid (Available in 5, 7 & 9 in. wide)
- DGEL-RR2 = DGEL Rigid Resin

For a perfectly smooth socket edge without carbon fibers sticking out: **DGEL-EDGER** (See Section 10.1A p.06)

GENERIC

- FTB-GENERIC = Generic Tubular Carbon Braid (Available in 4, 5 & 6 in. wide)
- FTB-GENFIB = Generic Tubular Fiber Beam Braid (Available in 5 & 7 in. wide)
- DGEL-RR2 = DGEL Rigid Resin



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			Lay-up with DGEL Tubular Braid	Resin Used DGEL-RR2	Approx. Final Socket Weight*	Lay-up with Generic Braid	Resin Used DGEL-RR2	Approx. Final Socket Weight*
LEVEL 3	36-54 kg (80-120 lb)	GUPA-MLAM GUPA-MLAMSTAR RSC-TLAM-P	② DGEL-TB	75-125 g (2.7-4.4 oz)	216 g (7.7 oz)	① FTB-GENERIC ① FTB-GENFIB ① FTB-GENERIC	150-200 g (5.3-7 oz)	357 g (12.7 oz)
	54-75 kg (120-165 lb)	GUPT-MLAMSLIDE GUPA-MLAMSTAR GUPT-MLAMSTAR	② DGEL-TB	75-125 g (2.7-4.4 oz)	216 g (7.7 oz)	② FTB-GENERIC ① FTB-GENFIB ② FTB-GENFIB	175-225 g (6.2-8 oz)	484 g (17.2 oz)
	75-100 kg (165-220 lb)	GUPT-MLAMSLIDE GUPT-MLAM RSC-TLAM	① DGEL-TB ① DGELFIBTB ① DGEL-TB	100-150 g (3.5-5.3 oz)	348 g (12.3 oz)	② FTB-GENERIC ② FTB-GENFIB ② FTB-GENERIC	200-250 g (7-9 oz)	589 g (20.8 oz)
	100-113 kg (220-250 lb)	GUPT-MLAM TSC-BX RSC-TLAM	④ DGEL-TB	125-200 g (4.4-7 oz)	336 g (12 oz)	③ FTB-GENERIC ① FTB-GENFIB ③ FTB-GENERIC	250-350 g (9-12.4 oz)	614 g (21.8 oz)
	113 kg+ (250 lb+)	EXO-SKELETAL OR CALL TECH HOTLINE	② DGEL-TB ① DGELFIBTB ② DGEL-TB	150-200 g (5.3-7 oz)	451 g (16 oz)	③ FTB-GENERIC ② FTB-GENFIB ③ FTB-GENERIC	275-375 g (9.8-13.3 oz)	669 g (23.7 oz)
LEVEL 4	36-54 kg (80-120 lb)	GUPT-MLAM GUPT-MLAMSLIDE RSC-TLAM-P	② DGEL-TB	75-125 g (2.7-4.4 oz)	216 g (7.7 oz)	① FTB-GENERIC ① FTB-GENFIB ① FTB-GENERIC	150-200 g (5.3-7 oz)	357 g (12.7 oz)
	54-75 kg (120-165 lb)	GUPT-MLAMSLIDE GUPA-MLAM RSC-TLAM	① DGEL-TB ① DGELFIBTB ① DGEL-TB	100-150 g (3.5-5.3 oz)	348 g (12.3 oz)	② FTB-GENERIC ① FTB-GENFIB ② FTB-GENERIC	175-225 g (6.2-8 oz)	509 g (18 oz)
	75-100 kg (165-220 lb)	GUPT-MLAMSLIDE GUPT-MLAM RSC-TLAM	④ DGEL-TB	125-200 g (4.4-7 oz)	336 g (12 oz)	③ FTB-GENERIC ① FTB-GENFIB ③ FTB-GENERIC	250-350 g (9-12.4 oz)	614 g (21.8 oz)
	100-113 kg (220-250 lb)	GUPT-MLAMSLIDE GUPT-MLAM RSC-TLAM	④ DGEL-TB	125-200 g (4.4-7 oz)	336 g (12 oz)	N/A	N/A	N/A
	113 kg+ (250 lb+)	EXO-SKELETAL OR CALL TECH HOTLINE	② DGEL-TB ① DGELFIBTB ② DGEL-TB	150-200 g (5.3-7 oz)	451 g (16 oz)	N/A	N/A	N/A

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*= Socket weight based on an average weight patient with 20 cm (8 in) long socket.

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