



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)	RSC-TLAM TSC-A GUPS-FLAM3PRROT	② DGEL-TB	175-250 g (6.2-9 oz)	529 g (18.8 oz)	① FTB-GENERIC ① FTB-GENFIB ① FTB-GENERIC	275-325 g (9.8-11.5 oz)	605 g (21.5 oz)
	54-75 kg (120-165 lb)	RSC-TLAM TSC-A GUPS-FLAM3PRROT	① DGEL-TB ① DGEL-FIBTB ① DGEL-TB	225-300 g (8-10.7 oz)	658 g (23.3 oz)	② FTB-GENERIC ① FTB-GENFIB ② FTB-GENERIC	325-400 g (11.5-14.2 oz)	875 g (31 oz)
	75-100 kg (165-220 lb)	RSC-TLAM TSC-A GUPS-FLAM3PRROT	① DGEL-TB ① DGEL-FIBTB ① DGEL-TB	225-300 g (8-10.7 oz)	658 g (23.3 oz)	③ FTB-GENERIC ① FTB-GENFIB ③ FTB-GENERIC	400-475 g (14.2-16.8 oz)	1,263 g (44.8 oz)
	100-113 kg (220-250 lb)	TSC-A GUPS-FLAM3PRROT	① DGEL-TB	250-325 g (9-11.5 oz)	983 g (35 oz)	Not Recommended	N/A	N/A
	113 kg+ (250 lb+)	EXO-SKELETAL OR CALL TECH HOTLINE	④ DGEL-TB	250-325 g (9-11.5 oz)	983 g (35 oz)	Not Recommended	N/A	N/A

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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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*
LEVEL 3	36-54 kg (80-120 lb)	RSC-TLAM TSC-A GUPS-FLAM3PRROT	② DGEL-TB	175-250 g (6.2-9 oz)	529 g (18.8 oz)	② FTB-GENERIC ① FTB-GENFIB ② FTB-GENERIC	325-400 g (11.5-14.2 oz)	875 g (31 oz)
	54-75 kg (120-165 lb)	RSC-TLAM TSC-A GUPS-FLAM3PRROT	① DGEL-TB ① DGELFIBTB ① DGEL-TB	250-325 g (9-11.5 oz)	658 g (23.3 oz)	② FTB-GENERIC ② FTB-GENFIB ② FTB-GENFIB	400-475 g (14.2-16.8 oz)	950 g (33.7 oz)
	75-100 kg (165-220 lb)	RSC-TLAM TSC-A GUPS-FLAM3PRROT	① DGEL-TB ① DGELFIBTB ① DGEL-TB	250-325 g (9-11.5 oz)	658 g (23.3 oz)	③ FTB-GENERIC ② FTB-GENFIB ③ FTB-GENFIB	450-525 g (16-18.6 oz)	1,026 g (37 oz)
	100-113 kg (220-250 lb)	RSC-TLAM TSC-A	④ DGEL-TB	275-350 g (9.8-12.4 oz)	938 g (35 oz)	Not Recommended	N/A	N/A
	113 kg+ (250 lb+)	EXO-SKELETAL OR CALL TECH HOTLINE	② DGEL-TB ① DGELFIBTB ② DGEL-TB	350-400 g (12.4-14.2 oz)	1,213 g (43 oz)	Not Recommended	N/A	N/A
LEVEL 4	36-54 kg (80-120 lb)	RSC-TLAM TSC-A GUPS-FLAM3PRROT	① DGEL-TB ① DGELFIBTB ① DGEL-TB	250-325 g (9-11.5 oz)	658 g (23.3 oz)	③ FTB-GENERIC ② FTB-GENFIB ③ FTB-GENFIB	450-525 g (16-18.6 oz)	1,026 g (37 oz)
	54-75 kg (120-165 lb)	RSC-TLAM TSC-A GUPS-FLAM3PRROT	① DGEL-TB ① DGELFIBTB ① DGEL-TB	250-325 g (9-11.5 oz)	658 g (23.3 oz)	Not Recommended	N/A	N/A
	75-100 kg (165-220 lb)	RSC-TLAM TSC-A GUPS-FLAM3PRROT	④ DGEL-TB	275-350 g (9.8-12.4 oz)	938 g (33.3 oz)	Not Recommended	N/A	N/A
	100-113 kg (220-250 lb)	TSC-A OR CALL TECH HOTLINE	④ DGEL-TB	275-350 g (9.8-12.4 oz)	938 g (33.3 oz)	Not Recommended	N/A	N/A
	113 kg+ (250 lb+)	EXO-SKELETAL OR CALL TECH HOTLINE	② DGEL-TB ① DGELFIBTB ② DGEL-TB	350-400 g (12.4-14.2 oz)	1,213 g (43 oz)	Not Recommended	N/A	N/A

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