

**FORCE REQUIRED TO MOVE PATIENT ON DIFFERENT SURFACES  
USING PATRAN SLIDE SHEETS BY JAMAR HEALTH PRODUCTS, INC.**

Dummy weight ( in lbs.)	171	223	300	350	PATRAN Location
	FORCE TO MOVE (in lbs.)				

<b>Hard table</b>					
Boost	26	36	43	58	On poly cotton sheet
Transfer	27	37	44	49	On poly cotton sheet
Segmented transfer	18	26	29	34	On poly cotton sheet

<b>Massage table</b>					
Unfolding Insertion	12	17	18	24	Under sheet
Unfolding Insertion	14	19	23	28	Between sheet and pad
Boost	33	43	60	71	On vinyl cover
Transfer	34	42	61	74	On vinyl cover
Segmented transfer	25	28	39	53	On vinyl cover

<b>350# rated mattress</b>					
Boost	27	33	46	54	On mattress cover
Transfer	25	39	56	75	On mattress cover
Segmented transfer	21	28	43	51	On mattress cover
Boost	36	46	63	74	On fitted sheet
Transfer	31	47	62	90	On fitted sheet
Segmented transfer	21	30	47	61	On fitted sheet

**Another industry test (not JHP) looked at force required to move a dummy on an exam table using various equipment, which didn't include PATRAN slide sheets. The researcher gave an opinion that there's no way to log roll a patient without exceeding caregiver safe weight limits.**

Dummy weight (in lbs.)	171	171	223	223
	FORCE TO MOVE DUMMY			
Device	Newts	Lbs	Newts	Lbs
Incontinence pad/ draw sheet	259.22	58.27	284.98	64.07
Incontinence pad over slide board	189.04	42.50	208.87	46.96
Friction reducing sheet (not PATRAN)	183.58	41.27	247.25	55.58
Slide Board	180.03	40.47	208.68	46.91
Air Assisted	177.20	39.84	218.90	49.21
Samarit Roll Board	154.10	34.64	199.09	44.76