



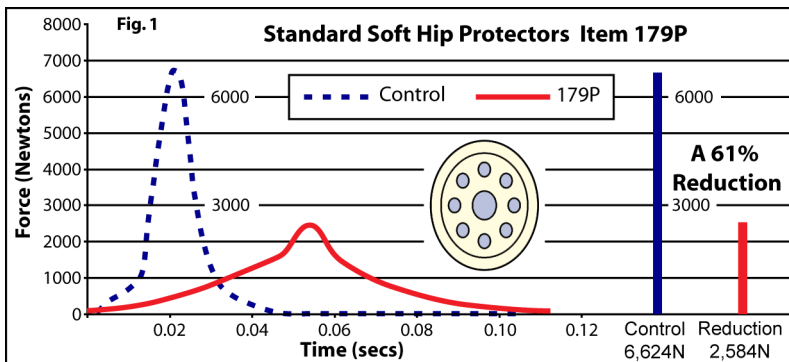
Pelican Hip Protectors Pass Impact Tests

Biomechanical Impact Tests conducted by Professor Robert Newton at Edith Cowan University. Based on European testing, with 3,100 Newtons as a fracture point for a 71 year old woman falling sideways.

Features of Pelican Protectors

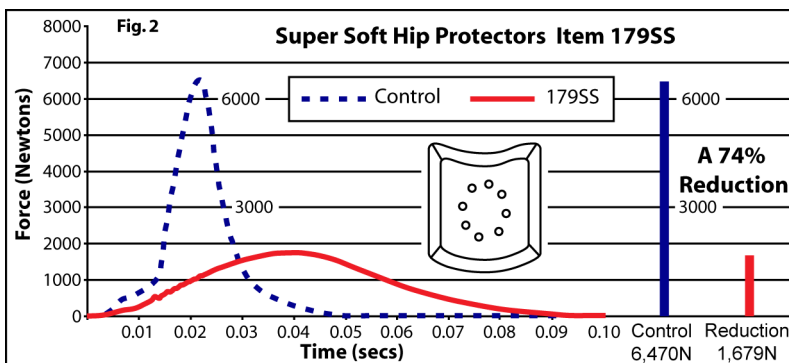
- ♦ Can be worn in bed at night ♦ No Hard Shells ♦ The Pads can be removed from the pockets to go into a clean pair of pants or they can be sewn permanently into position. ♦ All Pads are capable of reducing over 6,000 Newton impact to below the 3,100 Newton estimated fracture threshold.

Select the Protector Pads and the Pants from the size chart below.



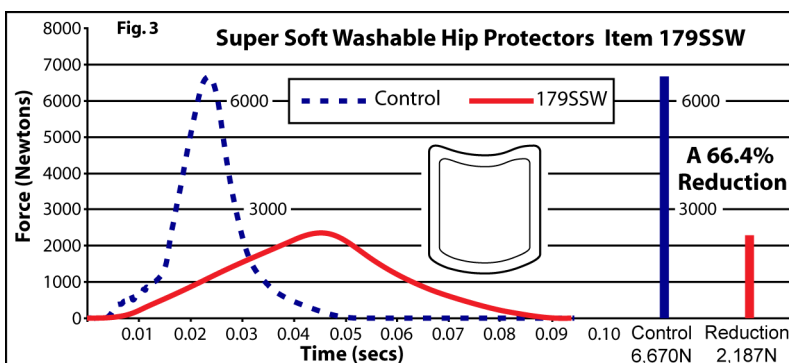
Item 179P - Standard Soft Hip Pad \$28.00pr. Made from a firm but pliable water resistant foam. Designed to fit over the Greater Trochanter so impact is dispersed around the area. **Machine wash and air or cool tumble dry.** **These Hip Protectors gave a 61% reduction of the impact.**

Fig 1. Force plotted against time for the control and the standard hip protector, Item 179P.



Item 179SS - Super Soft \$28.00pr. Made from a super soft energy absorbent foam. Designed to spread the impact. Very soft for sleeping and needs less accurate placement. **Do not wash, just spray with cleaner/deodoriser when transferring to a clean pair of pants.** **These Hip Protectors gave a 74% reduction of the impact.**

Fig 2. Force plotted against time for the control and 179SS hip protector.



Item 179SSW - Super Soft Washable \$32.00pr. Made from the same super soft energy absorbent foam as Item 179SS, but with waterproof foam casing. The 179SSW is comfortable to wear and soft for sleeping. **These pads can be hand or machine washed.** **Air or cool tumble dry.** **These Hip Protectors gave a 66.4% reduction of the impact.**

Fig 3. Force plotted against time for the control & supersoft washable hip protector, Item 179SSW.

Note the much slower rate of rise in force for the pad condition. Both peak force and rate of rise contribute to injury.

Hundreds of patients have accepted wearing the existing Soft Protectors, Item 179P. No fractures have been reported. The new 'Super Soft' Item 179SS and Item 179SSW will be even more comfortable for sleeping.

Item No.	179-10	179-12	179-14	179-16	179-18	179-20	179-22	179-24
Sizes	10	12	14	16	18	20	22	24
Waist-cm	61-67	70-74	75-77	78-84	85-89	90-94	95-101	102-110
Hip-cm	90-94	95-99	100-107	108-111	112-116	117-121	122-126	127-131

Item No.	179S	179M	179L	179XL	179XXL
Sizes	Small	Medium	Large	XLarge	XXLarge
Waist- cm	75 - 80cm	85 - 90cm	95 - 100cm	105 - 110cm	115 - 120cm

Please Note: Some customers have asked us to supply the female pants with a longer leg. Since the introduction of the 'Super Soft' Hip Protector Pads that cover a larger area of the hip, the longer leg of the pants is more beneficial, particularly with smaller size people. We are gradually changing over our current stock, so the next time you order female pants they may have the longer leg.