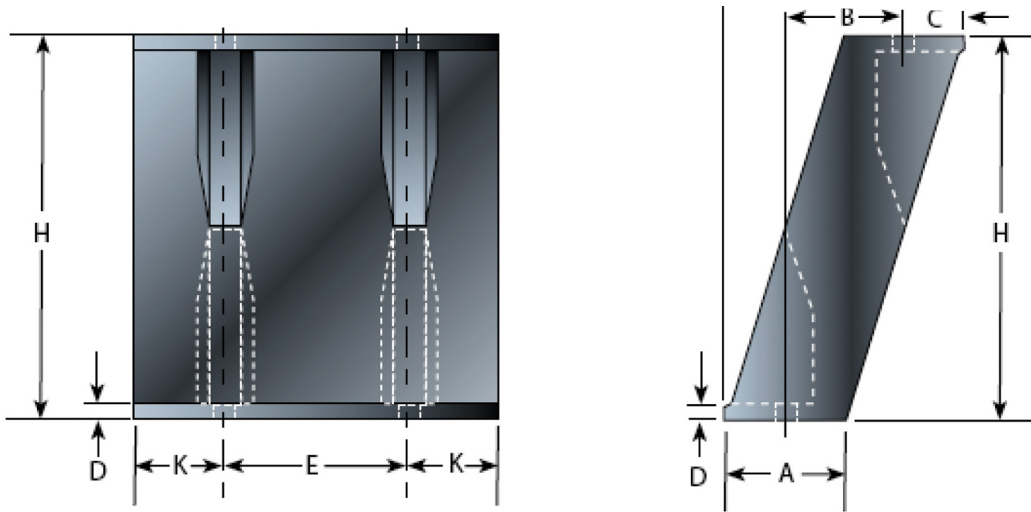


Element fenders are fully moulded rubber legs with embedded mounting plates. Fendguard's element type fenders are high performance units which are extremely compact and versatile. These fenders can also be used with a UHMW-PE shield to provide a low cost alternative to an arch type fender. The major characteristics of Fendguard's element type fender include:

- Good energy absorption to reaction force ratio (E/R)
- High energy absorption per weight of rubber
- A narrower footprint than traditional leg fenders which allows for a multitude of configurations
- Can be fixed behind a panel or a pile and can be provided in varying lengths
- Vertically and horizontally mounted elements may be combined in one system



Model	H	A	B	C	W	D	K	E	Bolt Size
Metric	550	172	170	87	344	20	250	500	M30
Imperial	21.7	6.77	6.69	3.43	13.5	0.79	9.84	19.7	1-1/8

STANDARD RUBBER GRADE PERFORMANCE

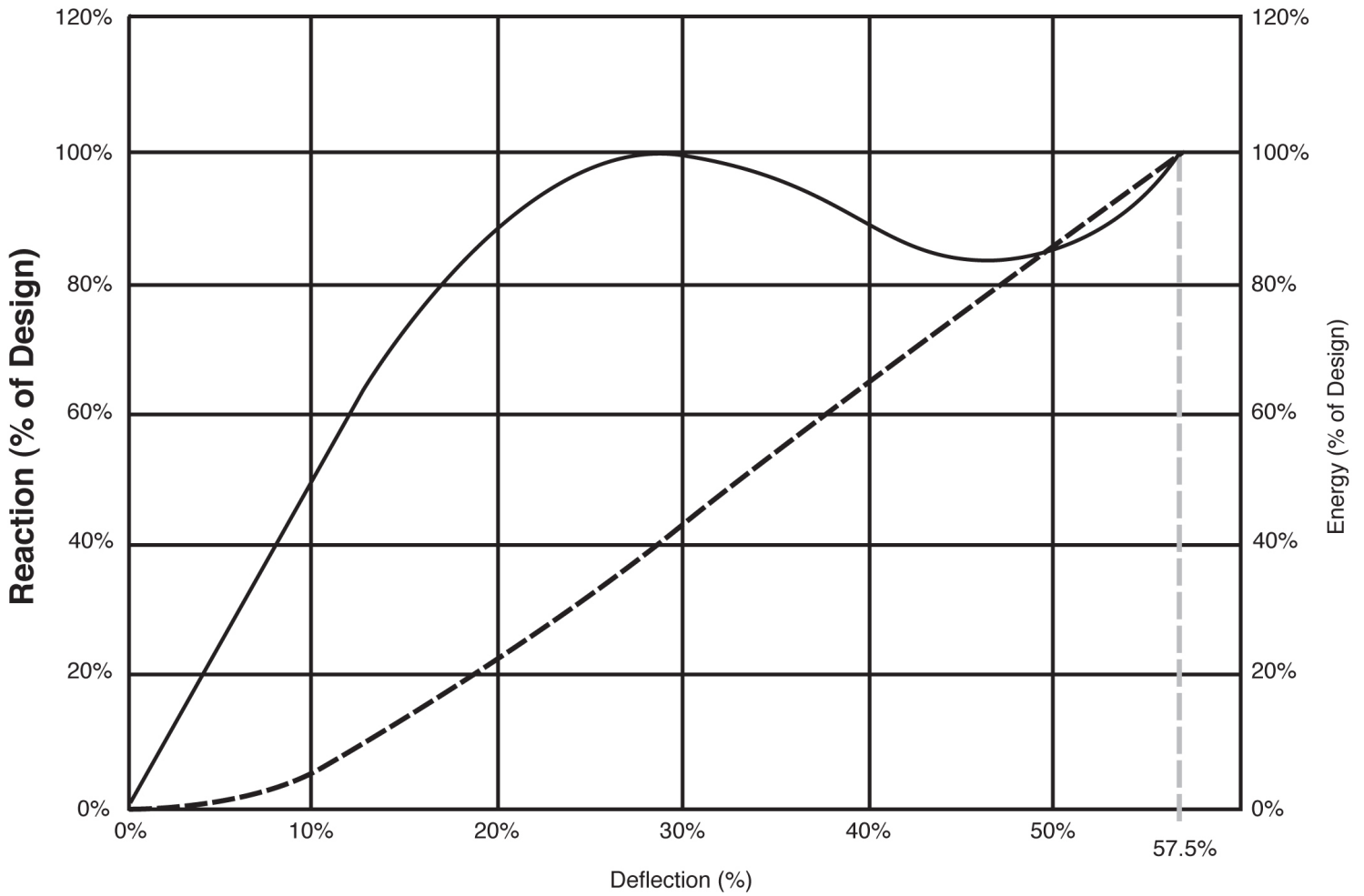
EM-FG-550	G4		G3		G2		G1	
	R (kN)	E (kN-m)	R (kN)	E (kN-m)	R (kN)	E (kN-m)	R (kN)	E (kN-m)
Metric	294	74.1	250	63.1	206	52.0	162	41.0
Imperial	66.0	54.6	56.1	46.5	46.2	38.3	36.4	30.2

INTERMEDIATE RUBBER GRADES | Metric Units are in kN and kn-m Imperial units are in kips and ft-kips

Grade	Reaction/Energy	Metric	Imperial	Grade	Reaction/Energy	Metric	Imperial
G0.7	R	149	33.5	G2.4	R	224	54.7
	E	37.7	27.8		E	56.4	41.6
G0.8	R	153	34.4	G2.5	R	228	51.3
	E	38.8	28.6		E	57.6	42.4
G0.9	R	158	35.4	G2.6	R	52.2	52.2
	E	39.9	29.4		E	58.7	43.2
G1	R	162	36.4	G2.7	R	237	53.2
	E	41.0	30.2		E	59.8	44.1
G1.1	R	166	37.4	G2.8	R	241	54.2
	E	42.1	31.0		E	60.9	44.9
G1.2	R	171	38.4	G2.9	R	246	55.2
	E	43.2	31.8		E	62.0	45.7
G1.3	R	175	39.4	G3	R	250	56.2
	E	44.3	32.6		E	63.1	46.5
G1.4	R	180	40.4	G3.1	R	254	57.2
	E	45.4	33.5		E	64.2	47.3
G1.5	R	184	41.4	G3.2	R	259	58.2
	E	46.5	34.3		E	65.3	48.1
G1.6	R	188	42.4	G3.3	R	263	59.2
	E	47.6	35.1		E	66.4	48.9
G1.7	R	193	43.3	G3.4	R	268	6.02
	E	48.7	35.9		E	67.5	49.7
G1.8	R	197	44.3	G3.5	R	272	61.2
	E	49.8	36.7		E	68.6	50.5
G1.9	R	202	45.3	G3.6	R	276	62.1
	E	50.9	37.5		E	69.6	51.3
G2	R	206	46.3	G3.7	R	281	63.1
	E	52.0	38.3		E	70.7	52.1
G2.1	R	210	47.3	G3.8	R	285	64.1
	E	53.1	39.1		E	71.8	52.9
G2.2	R	215	48.3	G3.9	R	290	65.1
	E	54.2	40.0		E	72.9	53.7
G2.3	R	219	49.3	G4	R	294	66.1
	E	55.3	40.8		E	74.0	54.5

GENERALIZED PERFORMANCE CURVE-ELEMENT FENDER

— Reaction — — Energy



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