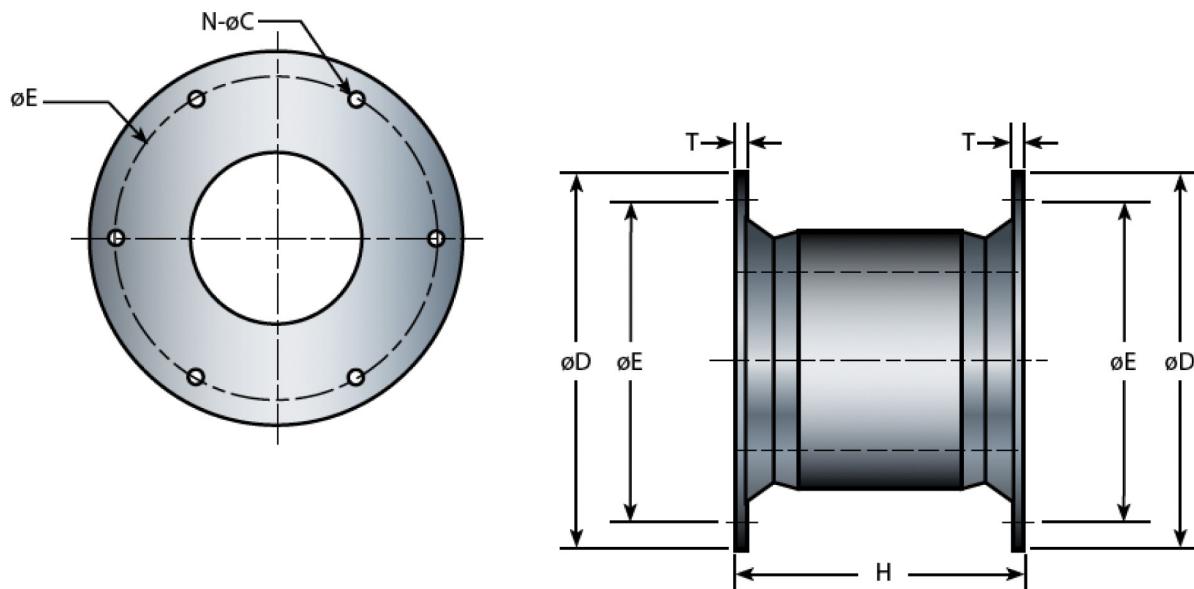


Cell fenders are the most durable rubber fenders available and are currently the largest moulded fenders made. Among all types of fenders, cell fenders offer minimum reaction per ton-meter energy absorbed. The very geometrical shape gives it sturdiness, shear resistance, compact structure and the capacity to absorb energy equally from all directions. Fendguard's cell type fenders are available in the widest range of sizes with characteristics including:

- Good energy absorption to reaction force ratio (E/R)
- Integrated and fully-embedded fender flanges make assembly and installation simple
- Good shear force resistance due to the large diameter of the fender flanges
- Large fender footprint with good force distribution could lead to relative light panel construction



Model	H	ØD	ØE PCD	T	N - ØC	Bolt Size
Metric (mm)	290	840	700	30	4-39	M30
Imperial (in)	65.2	33.1	27.6	1.18	4-1.54	1-1/8

STANDARD RUBBER GRADE PERFORMANCE

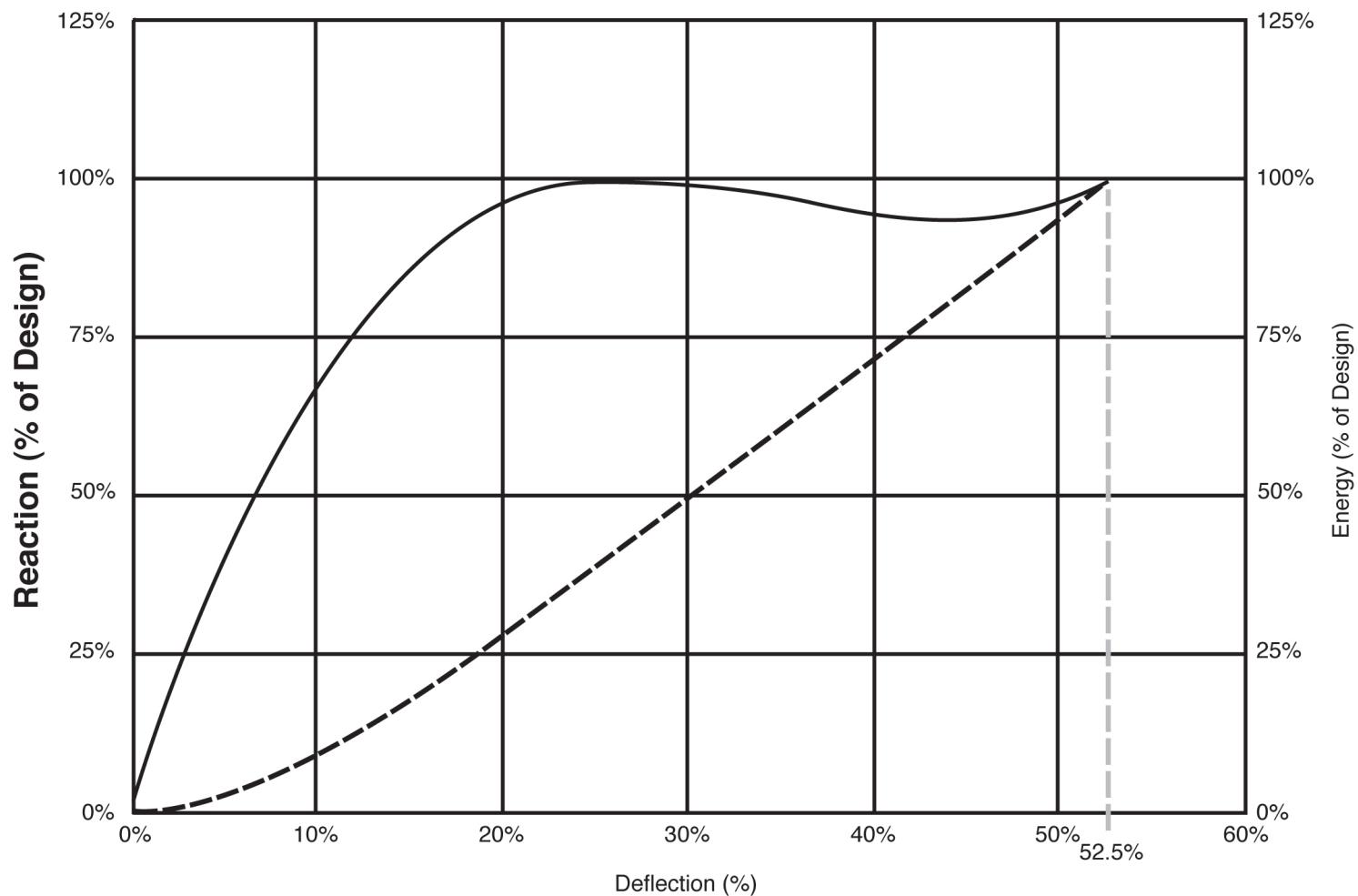
CL-FG-630	G4		G3		G2		G1		G0	
	R	E	R	E	R	E	R	E	R	E
Metric (kN : kN-m)	290	80.4	258	71.6	224	61.7	172	47.1	138	38.2
Imperial (k : ft-kips)	65.2	59.3	58.0	52.8	50.4	45.5	38.7	34.7	31.0	28.2

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
G0.1	R	141	31.8	G2.1	R	238	53.4
	E	39.1	28.8		E	65.7	48.4
G0.2	R	145	32.6	G2.2	R	241	54.2
	E	40.0	29.5		E	66.7	49.1
G0.3	R	148	33.3	G2.3	R	54.9	54.9
	E	40.8	30.1		E	67.6	49.9
G0.4	R	152	34.1	G2.4	R	238	53.4
	E	41.7	30.7		E	65.7	48.4
G0.5	R	115	34.8	G2.5	R	241	54.2
	E	42.6	31.4		E	66.7	49.1
G0.6	R	158	35.6	G2.6	R	54.9	54.9
	E	43.5	32.0		E	67.6	49.9
G0.7	R	162	36.4	G2.7	R	248	55.7
	E	44.4	32.7		E	68.6	50.6
G0.8	R	165	37.1	G2.8	R	251	56.5
	E	45.2	33.3		E	69.6	51.3
G0.9	R	169	37.9	G2.9	R	255	57.2
	E	46.1	34.0		E	70.6	52.0
G1.0	R	172	38.7	G3	R	258	58.0
	E	47.0	34.6		E	71.6	52.8
G1.1	R	177	39.8	G3.1	R	261	58.7
	E	48.5	35.7		E	72.5	53.4
G1.2	R	182	41.0	G3.2	R	264	59.4
	E	49.9	36.8		E	73.4	54.1
G1.3	R	188	42.2	G3.3	R	268	60.2
	E	51.4	37.9		E	74.2	54.7
G1.4	R	193	43.3	G3.4	R	271	60.9
	E	52.9	39.0		E	75.1	55.4
G1.5	R	198	44.5	G3.5	R	274	61.6
	E	54.4	40.1		E	76.0	56.0
G1.6	R	203	45.7	G3.6	R	277	62.3
	E	55.8	41.1		E	76.9	56.7
G1.7	R	208	46.9	G3.7	R	280	63.0
	E	57.3	42.2		E	77.8	57.3
G1.8	R	214	48.0	G3.8	R	284	63.8
	E	58.8	43.3		E	78.6	58.0
G1.9	R	219	49.2	G3.9	R	287	64.5
	E	60.2	44.4		E	79.5	58.6
G2	R	224	50.4	G4	R	290	65.2
	E	61.7	45.5		E	80.4	59.3

GENERALIZED PERFORMANCE CURVE-CELL FENDER

— Reaction - - - Energy



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