

## GENERAL PRODUCT LINE DIMENSIONAL SUMMARY

### GBR-55 LINE (English Units)

BUMPER	DIMENSIONAL INFORMATION							PERFORMANCE DATA				WEIGHT
	FREE HEIGHT IN	FREE BULGE IN	WIDTH IN	WRENCH OPENING IN	MOUNTING HOLE** IN	SOLID HEIGHT IN	BULGE @ SOLID HT. IN	@RATED ENERGY		EMERGENCY STOP*		SHIPPING WEIGHT OZ
								ENERGY IN-LBS	PEAK FORCE LBS	ENERGY IN-LBS	PEAK FORCE LBS	
<b>GBR-1-55</b>	0.91+/-0.030	1.18+/-0.035	0.52+/-0.015	0.37+/-0.015	0.22	0.32	1.51	<b>20</b>	125	<b>50</b>	250	0.15
<b>GBR-2-55</b>	1.17+/-0.040	1.52+/-0.045	0.75+/-0.025	0.37+/-0.015	0.22	0.41	1.96	<b>50</b>	225	<b>160</b>	700	0.40
<b>GBR-3-55</b>	1.40+/-0.045	1.78+/-0.050	0.79+/-0.030	0.37+/-0.020	0.22	0.48	2.27	<b>75</b>	250	<b>200</b>	800	0.55
<b>GBR-4-55</b>	1.64+/-0.055	2.03+/-0.060	1.34+/-0.030	0.37+/-0.020	0.22	0.37	2.68	<b>100</b>	275	<b>175</b>	525	0.85
<b>GBR-5-55</b>	2.08+/-0.065	2.53+/-0.075	1.70+/-0.030	0.38+/-0.020	0.22	0.47	3.43	<b>200</b>	475	<b>400</b>	1,200	1.8
<b>GBR-6-55</b>	2.20+/-0.070	2.67+/-0.080	1.80+/-0.030	0.38+/-0.020	0.22	0.74	3.47	<b>550</b>	1,050	<b>850</b>	1,500	2.75
<b>GBR-7-55</b>	2.52+/-0.080	3.12+/-0.080	1.78+/-0.030	0.48+/-0.020	0.28	0.85	4.03	<b>700</b>	1,300	<b>925</b>	1,600	3.6
<b>GBR-8-55</b>	2.70+/-0.090	3.39+/-0.090	2.00+/-0.030	0.43+/-0.020	0.28	0.92	4.3	<b>1,100</b>	1,675	<b>1,800</b>	3,000	5.15
<b>GBR-9-55</b>	2.68+/-0.090	3.39+/-0.090	2.64+/-0.030	0.61+/-0.020	0.40	0.92	4.37	<b>1,400</b>	2,150	<b>2,300</b>	3,500	6.7
<b>GBR-10-55</b>	3.01+/-0.100	3.72+/-0.100	3.21+/-0.040	0.60+/-0.020	0.40	1.03	4.87	<b>2,000</b>	2,800	<b>3,000</b>	4,100	9.4
<b>GBR-11-55</b>	3.30+/-0.090	4.03+/-0.090	3.19+/-0.040	0.61+/-0.020	0.40	1.11	5.22	<b>2,500</b>	3,225	<b>3,750</b>	4,700	11.25

\* Emergency Stop data is to be applied to applications where the bumper will be struck no more than 20 times with a minimum of 24 hours between uses.

\*\*Mounting hole dimensions are nominal values and provide clearance for the recommended mounting hardware.

## GENERAL PRODUCT LINE DIMENSIONAL SUMMARY

### GBR-55 LINE (Metric Units)

BUMPER	DIMENSIONAL INFORMATION							PERFORMANCE DATA				WEIGHT
	FREE HEIGHT	FREE BULGE	WIDTH	WRENCH OPENING	MOUNTING HOLE **	SOLID HEIGHT	BULGE @ SOLID HT.	@ RATED ENERGY		EMERGENCY STOP*		SHIPPING WEIGHT
	MM	MM	MM	MM	MM	MM	MM	ENERGY N-M	PEAK FORCE N	ENERGY N-M	PEAK FORCE N	GRAMS
<b>GBR-1-55</b>	23.1 +/- .8	30.0 +/- .9	13.2 +/- .4	9.4 +/- .4	5.6	8.1	38.4	<b>2.3</b>	600	<b>5.7</b>	1,100	4.25
<b>GBR-2-55</b>	29.7 +/- 1.0	38.6 +/- 1.1	19.1 +/- .6	9.4 +/- .4	5.6	10.4	49.8	<b>5.6</b>	1,000	<b>18</b>	3,125	11.50
<b>GBR-3-55</b>	35.6 +/- 1.1	45.2 +/- 1.3	20.1 +/- .8	9.4 +/- .5	5.6	12.2	57.7	<b>8.5</b>	1,100	<b>23</b>	3,550	15.75
<b>GBR-4-55</b>	41.7 +/- 1.4	51.6 +/- 1.5	34.0 +/- .8	9.4 +/- .5	5.6	9.4	68.1	<b>11.3</b>	1,200	<b>20</b>	2,325	24.25
<b>GBR-5-55</b>	52.8 +/- 1.5	64.3 +/- 1.9	43.2 +/- .8	9.7 +/- .5	5.6	11.9	87.1	<b>22.6</b>	2,100	<b>45</b>	5,350	51
<b>GBR-6-55</b>	55.9 +/- 1.8	67.8 +/- 2.0	45.7 +/- .8	9.7 +/- .5	5.6	18.8	88.1	<b>62</b>	4,700	<b>96</b>	6,675	78
<b>GBR-7-55</b>	64.0 +/- 2.0	79.2 +/- 2.0	45.2 +/- .8	12.2 +/- .5	7.1	21.6	102.4	<b>79</b>	5,800	<b>105</b>	7,125	113
<b>GBR-8-55</b>	68.6 +/- 2.3	86.1 +/- 2.3	50.8 +/- .8	10.9 +/- .5	7.1	23.4	109.2	<b>124</b>	7,500	<b>203</b>	13,350	146
<b>GBR-9-55</b>	68.1 +/- 2.3	86.1 +/- 2.3	67.1 +/- .8	15.5 +/- .5	10.2	23.4	111.0	<b>158</b>	9,600	<b>260</b>	15,575	190
<b>GBR-10-55</b>	76.5 +/- 2.5	94.5 +/- 2.5	81.5 +/- 1.0	15.2 +/- .5	10.2	26.2	123.7	<b>226</b>	12,500	<b>339</b>	18,250	266
<b>GBR-11-55</b>	83.8 +/- 2.3	102.4 +/- 2.3	81.0 +/- 1.0	15.5 +/- .5	10.2	28.2	132.6	<b>283</b>	14,400	<b>424</b>	20,900	319

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