

Sliding Fenders

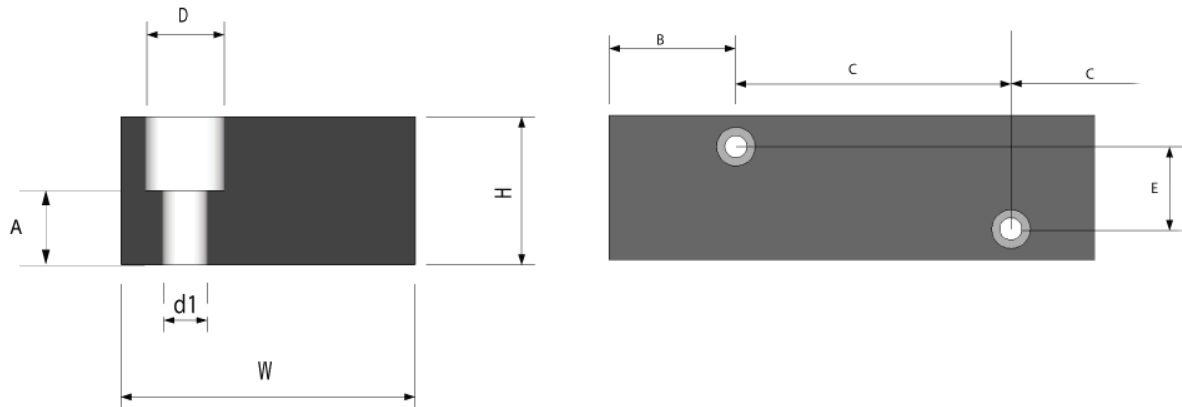
PsG LD Sliding Fenders are solid PE profiles manufactured and machined in sizes to suit your application. Extremely hard wearing and highly resistant, they are an environmentally beneficial alternative to timber or rubber facings as well as providing a low maintenance, low friction and low cost solution.

Applications

PsG LD Sliding Fenders are used in many applications including the replacement of timber piles, beams and dolphins, as well as other applications where lumber would have been the traditional fender material. They are also ideal wherever the requirement is for a durable sliding surface rather than energy absorption.



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Width x Hight	std length	Weight/m	A	B	C	D	d1	E	Bolt size
50 x 50	5,500	2,40	25	50-100	200-300	32	16	0	M12
70 x 50	2,500	3,30	25	75-125	200-300	32	16	0	M12
60 x 60	5,500	3,40	30	75-125	200-300	32	16	0	M12
80 x 60	5,000	4,50	30	75-125	250-300	32	16	0	M12
70 x 70	6,500	4,60	30	75-125	250-300	32	16	0	M12
100 x 50	5,500	4,75	25	75-125	250-300	32	16	0	M12
100 x 65	5,500	6,10	30	75-125	250-300	32	16	0	M12
120 x 80	5,000	9,00	40	100-150	300-350	40	20	0	M16
140 x 70	5,500	9,20	35	100-150	300-350	40	20	0-50	M16
100 x 100	6,000	9,40	50	100-150	250-300	40	20	0-50	M16
160 x 70	5,000	10,50	35	100-150	300-350	40	20	0-70	M16
180 x 70	5,000	11,80	35	125-175	350-450	50	23	0-80	M20
120 x 120	6,000	13,50	60	100-150	300-350	50	23	0-50	M20
200 x 75	5,000	14,10	35	125-175	350-450	50	23	0-100	M20
200 x 100	6,000	18,80	50	125-175	350-450	50	23	0-100	M20
170 x 120	5,500	19,20	60	100-150	300-350	50	23	0-80	M20
190 x 110	5,000	19,60	55	125-175	350-450	50	23	0-90	M20
160 x 160	6,000	24,10	80	100-150	300-350	50	23	0-80	M20
200 x 150	5,500	28,20	75	125-175	350-450	50	23	0-100	M20
300 x 100	5,500	28,30	50	150-200	450-550	50	23	0-160	M20
180 x 180	6,000	30,50	90	125-175	350-450	50	23	0-80	M20
210 x 165	6,000	32,60	75	125-175	450-550	65	28	0-100	M24
250 x 150	6,500	35,30	75	150-200	450-550	65	28	0-130	M24
200 x 200	6,000	37,55	100	125-175	350-450	65	28	0-100	M24
250 x 160	5,000	37,60	80	150-200	450-550	65	28	0-130	M24
250 x 250	5,000	58,80	125	150-200	450-550	70	36	0-130	M30
300 x 210	5,000	59,20	105	175-225	500-600	70	36	0-160	M30
300 x 300	5,000	84,60	150	175-225	500-600	70	36	1-160	M30
440 x 160	2,000	66,90	80	175-225	500-600	70	36	0-300	M30

units (mm, kg)

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Friction coefficient PEHD against steel

Speed v (mm/sec)	Friction coefficient μ
0,01	0,1159
0,04	0,1267
0,1	0,138
0,4	0,1578
1	0,1728
4	0,1963
10	0,2169
30	0,2443



Property	Test method	Unit	Average value
Density	DIN EN ISO 1183-1	g/cm ³	0,931
Hardness	Shore D acc.DIN 53505	Shore D	48
Tensile strength	DIN EN ISO 527 (lengthwise)	N/mm ²	6,8
Strain at the tensile strength	DIN EN ISO 527 (lengthwise)	%	11,2
Tensile strength	DIN EN ISO 527 (across)	N/mm ²	6,2
Strain at the tensile strength	DIN EN ISO 527 (across)	%	13,2
Impact strength	DIN 53453 (lengthwise)	kJ/m ²	43,7
Impact strength	DIN 53453 (across)	kJ/m ²	43,7

The values were obtained from a number of samples with different dimensions in order to obtain such correct values as possible. However, we must point out that when specimens are cut from a produced dimension so a variance can occur in the material which can affect variability in the test results. Fixed values are performed by a test Institute, but we would like to point out that the above values are for guidance only.