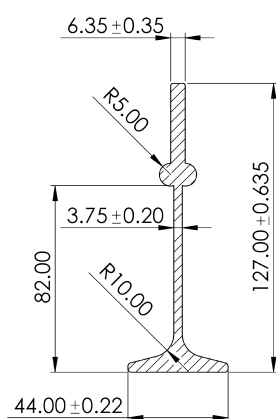
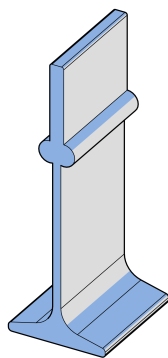


Catalogue Number PRF-PIG-0044-127-06-00
Description GFRP Floor Beam Profile of size 127Hx44Wx6T
Weight 1890 gr/m +/- 100 gr/m



Section Geometry

Property	Nominal	Tolerance	Unit
Height	127.00	+/- 0.635	mm
Width	44.00	+/- 0.220	mm
Top Thickness	6.35	+/- 0.350	mm
Bottom	3.75	+/- 0.200	mm

Section Properties

Property	Value	Unit
Second Moment of Area Ix	40149.22	mm ⁴
Second Moment of Area Iy	1781805.84	mm ⁴
Section Area	949.41	mm ²

Load Table

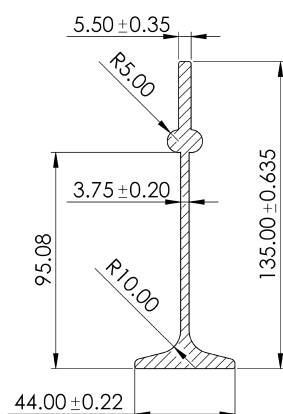
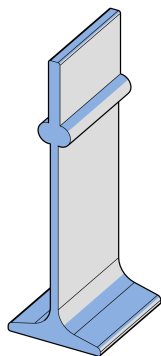


Span mm	Deflection mm	Recommended UDL kg/m	Maximum UDL at different Spacings kg/sqm		
			400mm Spacing	600mm Spacing	800mm Spacing
1500	10	750	4688	2083	1175
2000	13	310	1938	861	486
2400	16	186	1163	517	291
3000	20	94	588	261	147
3500	23	58	364	162	91

Catalogue Number PRF-PIG-0044-135-06-00

Description GFRP Floor Beam Profile of size 135Hx44Wx6T

Weight 1930 gr/m +/- 100 gr/m



Section Geometry

Property	Nominal	Tolerance	Unit
Height	135.00	+/- 0.635	mm
Width	44.00	+/- 0.220	mm
Top Thickness	5.50	+/- 0.350	mm
Bottom	3.75	+/- 0.200	mm

Section Properties

Property	Value	Unit
Second Moment of Area Ix	39519.70	mm ⁴
Second Moment of Area Iy	1992981.83	mm ⁴
Section Area	932.19	mm ²

Load Table

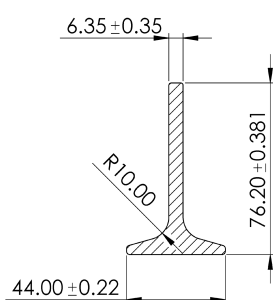
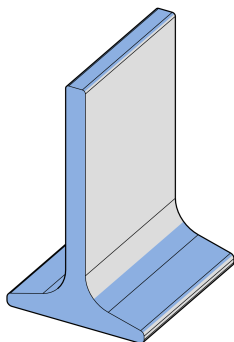


Span mm	Deflection mm	Recommended UDL kg/m	Maximum UDL at different Spacings kg/sqm		
			400mm Spacing	600mm Spacing	800mm Spacing
1500	10	840	5250	2333	1316
2000	13	346	2163	961	542
2400	16	206	1288	572	323
3000	20	106	663	295	166
3500	23	65	408	181	102

Catalogue Number PRF-PIG-0044-076-06-00

Description GFRP Floor Beam Profile of size 76Hx44Wx6T

Weight 1560 gr/m +/- 100 gr/m



Section Geometry

Property	Nominal	Tolerance	Unit
Height	76.20	+/- 0.381	mm
Width	44.00	+/- 0.220	mm
Top Thickness	6.35	+/- 0.350	mm
Bottom			mm

Section Properties

Property	Value	Unit
Second Moment of Area Ix	39108.30	mm ⁴
Second Moment of Area Iy	433203.19	mm ⁴
Section Area	745.63	mm ²

Load Table

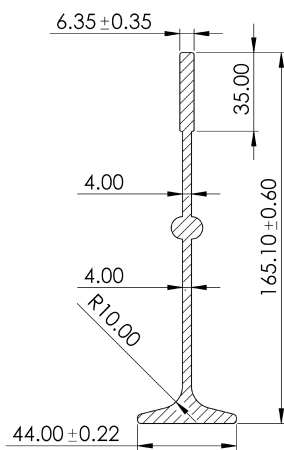
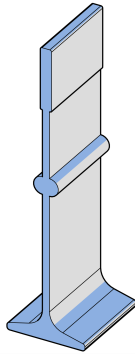


Span mm	Deflection mm	Recommended UDL kg/m	Maximum UDL at different Spacings kg/sqm		
			400mm Spacing	600mm Spacing	800mm Spacing
1500	10	181	1131	503	ND
2000	13	75	466	207	ND
2400	16	44	276	123	ND
3000	20	23	141	63	ND
3500	23	14	88	39	ND

Catalogue Number PRF-PIG-0044-165-06-00

Description GFRP Floor Beam Profile of size
165.10Hx44Wx6T

Weight 2380 gr/m +/- 100 gr/m



Section Geometry

Property	Nominal	Tolerance	Unit
Height	165.10	+/- 0.600	mm
Width	44.00	+/- 0.220	mm
Top Thickness	6.35	+/- 0.350	mm
Bottom	4.00	+/- 0.200	mm

Section Properties

Property	Value	Unit
Second Moment of Area Ix	39491.89	mm ⁴
Second Moment of Area Iy	3330496.54	mm ⁴
Section Area	1097.02	mm ²

Load Table



Span mm	Deflection mm	Recommended UDL kg/m	Maximum UDL at different Spacings kg/sqm		
			400mm Spacing	600mm Spacing	800mm Spacing
1500	10	190	1186	ND	ND
2000	13	153	957	ND	ND
2400	16	98	613	ND	ND
3000	20	52	326	ND	ND