

Cross section Shape	Article code Reference for ordering	Product description Material cross section dimensions length dimension in mm length in cm	Width [W] mm	Thickness [T] mm	Diameter		Radius [R] mm	Length [L] mm	Straightness mm	Weight gram/m	Resin system	Fibers
					Outer [OD] mm	Inner [ID] mm						
RECTANGULAR	C1RE 3800 00d5	Carbon rectangular rod 3x0.60-50cm	3,00 - 0,15	0,60 +0,05				500 +3	2mm/1000mm	2,70	epoxy	UD Carbon HT
	C1RE 3800 00d1	Carbon rectangular rod 3x0.60-100cm	3,00 - 0,15	0,60 +0,05				1000 +5	2mm/1000mm	2,70	epoxy	UD Carbon HT
	C1RE 3800 00d5	Carbon rectangular rod 3x0.60-200cm	3,00 - 0,15	0,60 +0,05				2000 +5	2mm/1000mm	2,70	epoxy	UD Carbon HT
	H1RE 3800 00d5	Highmod. carbon rectangular rod 3x0.60-50cm	3,00 - 0,15	0,60 +0,05				500 +3	2mm/1000mm	2,70	epoxy	UD Carbon HM
	H1RE 3800 00d1	Highmod. carbon rectangular rod 3x0.60-100cm	3,00 - 0,15	0,60 +0,05				1000 +5	2mm/1000mm	2,70	epoxy	UD Carbon HM
	H1RE 3800 00d2	Highmod. carbon rectangular rod 3x0.60-200cm	3,00 - 0,15	0,60 +0,05				2000 +5	2mm/1000mm	2,70	epoxy	UD Carbon HM
	C1RE 3C00 00d5	Carbon rectangular rod 3x0.80-50cm	3,00 - 0,15	0,80 +0,05				500 +3	2mm/1000mm	3,70	epoxy	UD Carbon HT
	C1RE 3C00 00d1	Carbon rectangular rod 3x0.80-100cm	3,00 - 0,15	0,80 +0,05				1000 +5	2mm/1000mm	3,70	epoxy	UD Carbon HT
	C1RE 3C00 00d2	Carbon rectangular rod 3x0.80-200cm	3,00 - 0,15	0,80 +0,05				2000 +5	2mm/1000mm	3,70	epoxy	UD Carbon HT
	C1RE 3D00 00d5	Carbon rectangular rod 3x1-50cm	3,00 -0,15	1,00 +0,05				500 +3	2mm/1000mm	4,60	epoxy	UD Carbon HT
	C1RE 3D00 00d1	Carbon rectangular rod 3x1-100cm	3,00 -0,15	1,00 +0,05				1000 +5	2mm/1000mm	4,60	epoxy	UD Carbon HT
	C1RE 3D00 00d2	Carbon rectangular rod 3x1-200cm	3,00 -0,15	1,00 +0,05				2000 +5	2mm/1000mm	4,60	epoxy	UD Carbon HT
	C1RE 4A00 00d5	Carbon rectangular rod 4x0.60-50cm	4,00 - 0,15	0,60 +0,05				500 +3	2mm/1000mm	3,60	epoxy	UD Carbon HT
	C1RE 4A00 00d1	Carbon rectangular rod 4x0.60-100cm	4,00 - 0,15	0,60 +0,05				1000 +5	2mm/1000mm	3,60	epoxy	UD Carbon HT
	C1RE 4A00 00d2	Carbon rectangular rod 4x0.60-200cm	4,00 - 0,15	0,60 +0,05				2000 +5	2mm/1000mm	3,60	epoxy	UD Carbon HT
	C1RE 4B00 00d5	Carbon rectangular rod 4x1.10-50cm	4,00 - 0,15	1,10 +0,05				500 +3	2mm/1000mm	6,60	epoxy	UD Carbon HT
	C1RE 4B00 00d1	Carbon rectangular rod 4x1.10-100cm	4,00 - 0,15	1,10 +0,05				1000 +5	2mm/1000mm	6,60	epoxy	UD Carbon HT
	C1RE 4B00 00d2	Carbon rectangular rod 4x1.10-200cm	4,00 - 0,15	1,10 +0,05				2000 +5	2mm/1000mm	6,60	epoxy	UD Carbon HT
	H1RE 4B00 00d5	Highmod. carbon rectangular rod 4x1.10-50cm	4,00 - 0,15	1,10 +0,05				500 +3	2mm/1000mm	6,60	epoxy	UD Carbon HM
	H1RE 4B00 00d1	Highmod. carbon rectangular rod 4x1.10-100cm	4,00 - 0,15	1,10 +0,05				1000 +5	2mm/1000mm	6,60	epoxy	UD Carbon HM
	H1RE 4B00 00d2	Highmod. carbon rectangular rod 4x1.10-200cm	4,00 - 0,15	1,10 +0,05				2000 +5	2mm/1000mm	6,60	epoxy	UD Carbon HM
	C1RE 6A00 00d5	Carbon rectangular rod 6x0.60-50cm	5,80 ± 0,05	0,60 +0,05				500 +3	2mm/1000mm	5,50	epoxy	UD Carbon HT
	C1RE 6A00 00d1	Carbon rectangular rod 6x0.60-100cm	5,80 ± 0,05	0,60 +0,05				1000 +5	2mm/1000mm	5,50	epoxy	UD Carbon HT
	C1RE 6A00 00d2	Carbon rectangular rod 6x0.60-200cm	5,80 ± 0,05	0,60 +0,05				2000 +5	2mm/1000mm	5,50	epoxy	UD Carbon HT
	H1RE 6A00 00d5	Highmod. carbon rectangular rod 6x0.60-50cm	5,80 ± 0,05	0,60 +0,05				500 +3	2mm/1000mm	5,50	epoxy	UD Carbon HM
	H1RE 6A00 00d1	Highmod. carbon rectangular rod 6x0.60-100cm	5,80 ± 0,05	0,60 +0,05				1000 +5	2mm/1000mm	5,50	epoxy	UD Carbon HM
	H1RE 6A00 00d2	Highmod. carbon rectangular rod 6x0.60-200cm	5,80 ± 0,05	0,60 +0,05				2000 +5	2mm/1000mm	5,50	epoxy	UD Carbon HM
	C1RE 6B00 00d5	Carbon rectangular rod 6x0.80-50cm	5,80 ± 0,05	0,80 +0,05				500 +3	2mm/1000mm	7,70	epoxy	UD Carbon HT
	C1RE 6B00 00d1	Carbon rectangular rod 6x0.80-100cm	5,80 ± 0,05	0,80 +0,05				1000 +5	2mm/1000mm	7,70	epoxy	UD Carbon HT
	C1RE 6B00 00d2	Carbon rectangular rod 6x0.80-200cm	5,80 ± 0,05	0,80 +0,05				2000 +5	2mm/1000mm	7,70	epoxy	UD Carbon HT
	C1RE 7A00 00d5	Carbon rectangular rod 7x0.30-50cm	7,20 ± 0,10	0,30 +0,05				500 +3	2mm/1000mm	3,40	epoxy	UD Carbon HT
	C1RE 7A00 00d1	Carbon rectangular rod 7x0.30-100cm	7,20 ± 0,10	0,30 +0,05				1000 +5	2mm/1000mm	3,40	epoxy	UD Carbon HT
	C1RE 7A00 00d2	Carbon rectangular rod 7x0.30-200cm	7,20 ± 0,10	0,30 +0,05				2000 +5	2mm/1000mm	3,40	epoxy	UD Carbon HT
	H1RE 7A00 00d5	Highmod. carbon rectangular rod 7x0.30-50cm	7,20 ± 0,10	0,30 +0,05				500 +3	2mm/1000mm	3,40	epoxy	UD Carbon HM
	H1RE 7A00 00d1	Highmod. carbon rectangular rod 7x0.30-100cm	7,20 ± 0,10	0,30 +0,05				1000 +5	2mm/1000mm	3,40	epoxy	UD Carbon HM
	H1RE 7A00 00d2	Highmod. carbon rectangular rod 7x0.30-200cm	7,20 ± 0,10	0,30 +0,05				2000 +5	2mm/1000mm	3,40	epoxy	UD Carbon HM
	C1RE 8A00 00d5	Carbon rectangular rod 8x0.80-50cm	7,70 ± 0,05	0,80 +0,05				500 +3	2mm/1000mm	10,20	epoxy	UD Carbon HT
	C1RE 8A00 00d1	Carbon rectangular rod 8x0.80-100cm	7,70 ± 0,05	0,80 +0,05				1000 +5	2mm/1000mm	10,20	epoxy	UD Carbon HT
	C1RE 8A00 00d2	Carbon rectangular rod 8x0.80-200cm	7,70 ± 0,05	0,80 +0,05				2000 +5	2mm/1000mm	10,20	epoxy	UD Carbon HT
	C1RE 8B00 00d5	Carbon rectangular rod 8x1.20-50cm	7,75 ± 0,05	1,20 +0,10				500 +3	2mm/1000mm	15,00	epoxy	UD Carbon HT
	C1RE 8B00 00d1	Carbon rectangular rod 8x1.20-100cm	7,75 ± 0,05	1,20 +0,10				1000 +5	2mm/1000mm	15,00	epoxy	UD Carbon HT
	C1RE 8B00 00d2	Carbon rectangular rod 8x1.20-200cm	7,75 ± 0,05	1,20 +0,10				2000 +5	2mm/1000mm	15,00	epoxy	UD Carbon HT
	H1RE 8B00 00d5	Highmod. carbon rectangular rod 8x1.20-50cm	7,75 ± 0,05	1,20 +0,10				500 +3	2mm/1000mm	15,00	epoxy	UD Carbon HM
	H1RE 8B00 00d1	Highmod. carbon rectangular rod 8x1.20-100cm	7,75 ± 0,05	1,20 +0,10				1000 +5	2mm/1000mm	15,00	epoxy	UD Carbon HM
	H1RE 8B00 00d2	Highmod. carbon rectangular rod 8x1.20-200cm	7,75 ± 0,05	1,20 +0,10				2000 +5	2mm/1000mm	15,00	epoxy	UD Carbon HM
	C1RE 10A0 00d5	Carbon rectangular rod 10x1-50cm	10,20 ± 0,10	1,00 +0,10				500 +3	2mm/1000mm	16,30	epoxy	UD Carbon HT
	C1RE 10A0 00d1	Carbon rectangular rod 10x1-100cm	10,20 ± 0,10	1,00 +0,10				1000 +5	2mm/1000mm	16,30	epoxy	UD Carbon HT
	C1RE 10A0 00d2	Carbon rectangular rod 10x1-200cm	10,20 ± 0,10	1,00 +0,10				2000 +5	2mm/1000mm	16,30	epoxy	UD Carbon HT
	C1RE 16A0 00d5	Carbon rectangular rod 16x2-50cm	16,00 -0,50	2,00 ± 0,10				500 +3	2mm/1000mm	49,00	epoxy	UD Carbon HT
	C1RE 16A0 00d1	Carbon rectangular rod 16x2-100cm	16,00 -0,50	2,00 ± 0,10				1000 +5	2mm/1000mm	49,00	epoxy	UD Carbon HT
	C1RE 16A0 00d2	Carbon rectangular rod 16x2-200cm	16,00 -0,50	2,00 ± 0,10				2000 +5	2mm/1000mm	49,00	epoxy	UD Carbon HT
	C1RE 20A0 00d5	Carbon rectangular rod 20x0,50-50cm	20,00 ± 0,25	0,50 +0,10				500 +3	2mm/1000mm	16,00	epoxy	UD Carbon HT
	C1RE 20A0 00d1	Carbon rectangular rod 20x0,50-100cm	20,00 ± 0,25	0,50 +0,10				1000 +5	2mm/1000mm	16,00	epoxy	UD Carbon HT
	C1RE 20A0 00d2	Carbon rectangular rod 20x0,50-200cm	20,00 ± 0,25	0,50 +0,10				2000 +5	2mm/1000mm	16,00	epoxy	UD Carbon HT
	C1RE 20B0 00d5	Carbon rectangular rod 20x1-50cm	20,00 ± 0,25	1,00 +0,10				500 +3	2mm/1000mm	32,60	epoxy	UD Carbon HT
C1RE 20B0 00d1	Carbon rectangular rod 20x1-100cm	20,00 ± 0,25	1,00 +0,10				1000 +5	2mm/1000mm	32,60	epoxy	UD Carbon HT	
C1RE 20B0 00d2	Carbon rectangular rod 20x1-200cm	20,00 ± 0,25	1,00 +0,10				2000 +5	2mm/1000mm	32,60	epoxy	UD Carbon HT	
C1RE 40A0 00d5	Carbon rectangular rod 40x0,50-50cm	40,00 -0,50	0,50 +0,05				500 +3	2mm/1000mm	32,00	epoxy	UD Carbon HT	
C1RE 40A0 00d1	Carbon rectangular rod 40x0,50-100cm	40,00 -0,50	0,50 +0,05				1000 +5	2mm/1000mm	32,00	epoxy	UD Carbon HT	
C1RE 40A0 00d2	Carbon rectangular rod 40x0,50-200cm	40,00 -0,50	0,50 +0,05				2000 +5	2mm/1000mm	32,00	epoxy	UD Carbon HT	
C1RE 50A0 00d5	Carbon rectangular rod 50x2-50cm	50,00 ± 0,50	2,00 ± 0,10				500 +3	2mm/1000mm	155,00	epoxy	UD Carbon HT	
C1RE 50A0 00d1	Carbon rectangular rod 50x2-100cm	50,00 ± 0,50	2,00 ± 0,10				1000 +5	2mm/1000mm	155,00	epoxy	UD Carbon HT	
C1RE 50A0 00d2	Carbon rectangular rod 50x2-200cm	50,00 ± 0,50	2,00 ± 0,10				2000 +5	2mm/1000mm	155,00	epoxy	UD Carbon HT	
TRAILING EDGE	C1TE 1A00 00d5	Carbon trailing edge 1.60x0.60/0.40-50cm	1,60 ± 0,03	0,6/0,4 ± 0,03				500 +3	2mm/1000mm	1,10	epoxy	UD Carbon HT
	C1TE 1A00 00d1	Carbon trailing edge 1.60x0.60/0.40-100cm	1,60 ± 0,03	0,6/0,4 ± 0,03				1000 +5	2mm/1000mm	1,10	epoxy	UD Carbon HT
	C1TE 1A00 00d2	Carbon trailing edge 1.60x0.60/0.40-200cm	1,60 ± 0,03	0,6/0,4 ± 0,03				2000 +5	2mm/1000mm	1,10	epoxy	UD Carbon HT
	C1TE 3A00 00d5	Carbon trailing edge 3x0.70/0.50-50cm	3,00 ± 0,03	0,7/0,5 ± 0,03				500 +3	2mm/1000mm	2,70	epoxy	UD Carbon HT
	C1TE 3A00 00d1	Carbon trailing edge 3x0.70/0.50-100cm	3,00 ± 0,03	0,7/0,5 ± 0,03				1000 +5	2mm/1000mm	2,70	epoxy	UD Carbon HT
C1TE 3A00 00d2	Carbon trailing edge 3x0.70/0.50-200cm	3,00 ± 0,03	0,7/0,5 ± 0,03				2000 +5	2mm/1000mm	2,70	epoxy	UD Carbon HT	
C1TE 3B00 00d5	Carbon trailing edge 3.80x0.85/0.60-50cm	3,80 ± 0,03	0,85/0,6 ± 0,03				500 +3	2mm/1000mm	4,20	epoxy	UD Carbon HT	
C1TE 3B00 00d1	Carbon trailing edge 3.80x0.85/0.60-100cm	3,80 ± 0,03	0,85/0,6 ± 0,03				1000 +5	2mm/1000mm	4,20	epoxy	UD Carbon HT	
C1TE 3B00 00d2	Carbon trailing edge 3.80x0.85/0.60-200cm	3,80 ± 0,03	0,85/0,6 ± 0,03				2000 +5	2mm/1000mm	4,20	epoxy	UD Carbon HT	
ELLIPSE	C1EL 8A00 00d5	Carbon ellipse rod 8x5.65-50cm	8,00 -0,15	5,65 ± 0,10				500 +3	2mm/1000mm	55,00	epoxy	UD Carbon HT
	C1EL 8A00 00d1	Carbon ellipse rod 8x5.65-100cm	8,00 -0,15	5,65 ± 0,10				1000 +5	2mm/1000mm	55,00	epoxy	UD Carbon HT
	C1EL 8A00 00d2	Carbon ellipse rod 8x5.65-200cm	8,00 -0,15	5,65 ± 0,10				2000 +5	2mm/1000mm	55,00	epoxy	UD Carbon HT

DPP™ high performance micro-pultrusion profiles

Material properties

Base materials

Resin

- High performance bisphenol A epoxy resin.
- Standard Tg: 120 °C. Can be elevated up to 150 °C on request.

Standard Carbon Fiber

- Toray T700 or equivalent
- Tensile strength (virgin fiber): 4900 Mpa
- Tensile modulus (virgin fiber): 230 Gpa
- Ultimate elongation: 2 %

High modulus carbon fiber

- Toray M46 or equivalent
- Tensile strength (virgin fiber): 4200 Mpa
- Tensile modulus (virgin fiber): 430 Gpa
- Ultimate elongation: 1.1 %

Composite properties (typical values)

Standard Carbon Fiber

- Fiber volume fraction : +/- 63 %
- Tensile strength: 2500 Mpa
- Tensile modulus: 140 Gpa
- Compression strength: 1600 Mpa
- Ultimate elongation: 2 %

High modulus carbon fiber

- Fiber volume fraction : +/- 63 %
- Tensile strength: 2200 Mpa
- Tensile modulus: 240 Gpa
- Compression strength: 1000 Mpa
- Ultimate elongation: 1.1 %

Notes

- Pultrusions with deferring properties can be delivered on request.
- Above properties are typical values only.
- For design purposes please request specified properties.
- For more informations please check our MSDS-sheets on our website www.dpp-pultrusion.com