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Welcome to visit our factory!

Standard FRP Polyester Rebar Series



XY61 Standard FRP Polyester Rebar Series								
Product Part No.	Diameter (mm)	Bolt ultimate load (KN)	Cross section (mm ²)	Ultimate tensile strength (MPa)	Weight (g/m)	Modulus of elasticity (GPa)	Ultimate shear strength (MPa)	Elongation at break (%)
XY61-4	4	12.6	12.6	1000	25	45	>150	2.5
XY61-5	5	19.6	19.6	1000	40			
XY61-6	6	28.3	28.3	1000	55			
XY61-7	7	38.5	38.5	1000	80			
XY61-8	8	50.3	50.3	1000	105			
XY61-10	10	71	78.5	900	165			
XY61-12	12	97	113	850	240			
XY61-14	14	107	133	800	280			
XY61-16	16	142	177	800	370			
XY61-18	18	185	227	800	460			
XY61-20	20	230	284	800	560			
XY61-22	22	275	346	800	700			
XY61-25	25	340	452	750	950			
XY61-28	28	430	573	750	1220			
XY61-30	30	500	661	750	1350			
XY61-32	32	570	755	750	1550			
XY61-36	36	725	962	750	2040			
XY61-40	40	837	1195	700	2540			

FRP Bolt Series



XY60-ER FRP Anchor Bolt Series (Epoxy Resin)													
Product Part No.	Diameter (mm)	Bolt ultimate load (KN)	Thread ultimate load (KN)		Cross section (mm ²)	Ultimate tensile strength (MPa)	Torque (Nm)	Weight (g/m)	Modulus of elasticity (GPa)	Ultimate shear strength (MPa)	Bending strength (MPa)	Elongation at break (%)	Antistatic value (Ω)
			Steel	FRP									
XY60-16-ER	16	165	/	45	165	1000	50	350	45	>150	>650	2.5	≤3x10 ⁸
XY60-18-ER	18	215	/	50	240	1000	60	460					
XY60-20-ER	20	269	80	60	269	1000	80	560					
XY60-22-ER	22	330	100	60	330	1000	100	690					
XY60-24-ER	24	360	150	70	398	900	120	860					
XY60-25-ER	25	390	180	70	434	900	140	930					
XY60-27-ER	27	435	200	80	511	850	150	1050					
XY60-28-ER	28	470	200	80	552	850	160	1200					
XY60-30-ER	30	540	220	80	638	850	200	1350					
XY60-32-ER	32	620	250	90	731	850	250	1550					
XY60-38-ER	38	890	420	100	1046	850	/	2250					
XY60-40-ER	40	930	420	100	1164	800	/	2480					
XY60-51-ER	51	1540	/	/	1924	800	/	4100					

XY60 Standard FRP Polyester Anchor Bolt Series													
Product Part No.	Diameter (mm)	Bolt ultimate load (KN)	Thread ultimate load (KN)		Cross section (mm ²)	Ultimate tensile strength (MPa)	Torque (Nm)	Weight (g/m)	Modulus of elasticity (GPa)	Ultimate shear strength (MPa)	Bending strength (MPa)	Elongation at break (%)	Antistatic value (Ω)
			Steel	FRP									
XY60-16	16	125	/	45	165	750	35	350	45	>150	>400	2.5	≤3x10 ⁸
XY60-18	18	150	/	50	240	700	45	460					
XY60-20	20	200	80	60	269	700	60	560					
XY60-22	22	250	100	60	330	700	80	690					
XY60-24	24	280	150	70	398	700	100	860					
XY60-25	25	320	180	70	434	700	120	930					
XY60-27	27	380	200	80	511	700	130	1050					
XY60-28	28	400	200	80	552	700	130	1200					
XY60-30	30	470	220	80	638	700	180	1350					
XY60-32	32	550	250	90	731	700	230	1550					
XY60-38	38	750	420	100	1046	700	/	2250					
XY60-40	40	790	420	100	1164	650	/	2480					
XY60-51	51	1255	/	/	1924	650	/	4100					