



Product selection guide

How to choose the right fastener

	Demanding applications								Demanding applications							Simplicity & design	
Type	Ty-Rap® Heat stabilized	Ty-Rap® Heat stabilized + UV-resistant	Ty-Rap® Heat reactive	Ty-Rap® Extra high temperatures	Ty-Rap® Flame retardant	Ty-Rap® Low Smoke	Ty-Rap® UV-resistant black	Ty-Rap® Extreme Outdoor	Ty-Rap® Chemical Resistant	Ty-Rap® Extreme Environment	Ty-Rap® Detectable	Ty-Fast® Ag+ Bacteria Resistant	Deltec®	Ty-Met®	Ty-Rap®	Twist Tail™	Ty-Fast® / Col-Ty™
	High temperatures				Smoke & flame resistance		High UV resistance		Chemical resistance		Contaminant Resistance		Utilities & telecom	Extreme environments	Customization & performance	Convenience	Essential
Applications	Transportation, Automotive	Transportation, Automotive	Visual safety indicator, MRO, HVAC. Activation temp. 40-49°C (104-120°F)	Transportation, Automotive	Rail, Aerospace HVAC	HVAC plenum installations High-performance smoke & flame requirements	Outdoor	Solar, Transportation	Chemical processing, Autoclave sterilizing	Nuclear, Power plants, Space industry, Environments with risk of smoke generation	Food and beverage, Cosmetic	Medical, Pharmaceutical	Utilities, Packaging	Marine, Rail, Oil & gas, Industrial	Standard applications	MRO, Electrical, Residential	OEM, General bundling
Material	PA6.6HS	PA6.6HSIUUV	Polypropylene	PA4.6	PA6.6FR	ECTFE	PA6.6UV	PA12	Polypropylene	ETFE	Polypropylene, PA6.6	PA6.6 Ag+	Acetal +UV	Stainless Steel	PA6.6	PA6.6	PA6.6
Product series	TYH*M	TY*MX-A	TYHR*M	TYHT*M	TY*MFR	TYV*M	TY*MX	TYC*MX	TYP*MX	TYZ*M	TY*M-NDT TY*M-PDT	TY*-*-ANTI	TYD-*, CSS*	YLS-*-* RS-*-* SS-*-* YLD-*-*	TY*M*	TT-*	TY*
Max. product series	780N 175lb	540N 120lb	265N 60lb	540N 120lb	540N 120lb	220N 50lb	780N 175lb	378N 85lb	265N 60lb	540N 120lb	540N 120lb	540N 120lb	1100N 250lb	4000N 900lb	780N 175lb	130N 30lb	1100N 175lb
Operating temperature	-60 to 105°C -76 to 221°F	-60 to 105°C -76 to 221°F	0 to 80°C 32 to 176°F	-40 to 150°C -40 to 302°F	-20 to 65°C -4 to 149°F	-60 to 160°C -78 to 320°F	-80 to 105°C -112 to 221°F	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F	-60°C to 170°C -76 to 338°F	-20 to 85°C -4 to 185°F	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F	-40 to 300°C -40 to 572°F	-60 to 85°C -76 to 185°F	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F
Max length	770mm 30.3"	360mm 14.2"	360mm 14.2"	617mm 24.3"	360mm 14.2"	185mm 7.3"	1140mm 44.9"	760mm 29.9"	360mm 14.2"	360mm 14.2"	360mm 14.2"	360mm 14.2"	305m 1000ft	1400mm 55.1"	1143mm 45.0"	360mm 14.2"	1200mm 47.2"
Max wire bundle diameter	229mm 9.0"	100mm 4.0"	100mm 4.0"	177mm 7.0"	100mm 4.0"	44mm 1.7"	330mm 13.0"	228mm 9.0"	100mm 4.0"	100mm 4.0"	100mm 4.0"	100mm 4.0"	4m 13.1ft	425mm 16.7"	330mm 13.0"	100mm 4.0"	380mm 15.0"
UV-resistance	●	●●●	-	●	●	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●	●●	●	●●●●●	●●●●●	●●●●●	●●	●●
Accessories	●●	●●	●	●●	●●	●	●●	●●	●	●	●●●	●	●●	●●	●●●●●	●●●	●●●
Colors																	
Easy to install	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●
Installation tools	ERG50 ERG120	ERG50 ERG120	ERG50 ERG120	ERG50 ERG120	ERG50 ERG120	ERG50 ERG120	ERG50 ERG120	ERG50 ERG120	ERG50 ERG120	ERG50 ERG120	ERG50 ERG120	ERG50 ERG120	WT3D	DAS250 CT3	ERG50 ERG120	No tool needed	ERG50 ERG120