



**Association of American Railroads**

**Current as of April 18, 2024**

**This table corresponds with AAR Open Top Loading Rules, Section 1, Table 19.1**

**AAR Approved Type IV Polyester Strapping**

AAR ID	Manufacturer/ Distributor	Approved Through (Mo/Yr)	Approved Size in. (mm)										Approved Joint Type
			5/8 (15.9)			3/4 (19.1)		1 (25.4)		1-1/4 (32.0)			
			.035	.038	.040	.040	.050	.040	.050	.032	.040	.050	
11	Acme/Signode	06/24	X <sup>fi</sup>	X <sup>bl</sup>	X <sup>fi</sup>	X <sup>fi</sup>	X	X <sup>bl</sup>	X <sup>bl</sup>		X <sup>bl</sup>	X <sup>bl</sup>	H, F
58	DuBose Strapping Inc.	07/24	X		X	X	X	X <sup>bl</sup>	X <sup>bl</sup>		X <sup>bl</sup>	X <sup>bl</sup>	H, F
58	DuBose Strapping Inc.	07/24	X <sup>cl</sup>		X <sup>cl</sup>	X <sup>cl</sup>	X <sup>cl</sup>						H, F
59	Cyklop—Brazil	01/27	X <sup>cl</sup>		X <sup>cl</sup>	X <sup>fi</sup>							F, S
59	Cyklop—Germany	01/27	X <sup>cl</sup>		X <sup>cl</sup>	X <sup>fi</sup>							F, S
59	Jade Star Hi Tech Manufacturing Sdn. Bhd.	01/27	X <sup>fi</sup>		X <sup>fi</sup>	X <sup>fi</sup>							F, S
53	Polychem, LLC DBA Greenbridge	09/25	X <sup>fi</sup>		X <sup>fi</sup>								H, F
53	Polychem, LLC DBA Greenbridge	08/24		X <sup>fi g/</sup>		X <sup>fi</sup>	X <sup>fi</sup>	X	X		X	X	F
22	Samuel Strapping Sys. <sup>dl</sup>	08/24	X		X	X	X					X <sup>bl</sup>	H, F
22	Samuel Strapping Sys. <sup>dl</sup>	03/25	X <sup>cl</sup>		X <sup>cl</sup>	X <sup>cl</sup>		X <sup>bl</sup>	X <sup>bl</sup>				H, F
14	Itistrap S.r.l.	06/26	X <sup>fi</sup>		X <sup>fi</sup>	X	X		X			X	F
14	Itistrap S.r.l.	06/26	X <sup>cl</sup>				X						H
60	Teufelberger GesmbH—Austria	09/24	X <sup>cl</sup>		X <sup>cl</sup>	X <sup>cl</sup>	X						H, F
60	Teufelberger GesmbH—Austria	09/24							X				F
60	Teufelberger GesmbH—Austria	06/25	X		X	X							H, F
60	Teufelberger GesmbH—Austria	08/26									X	X	F
64	FROMM	04/25	X <sup>fi</sup>		X <sup>fi</sup>	X <sup>fi</sup>	X <sup>fi</sup>	X <sup>fi</sup>	X <sup>fi</sup>		X <sup>fi</sup>	X <sup>fi</sup>	H, F
65	U.S. Strapping Company	04/25	X <sup>fi</sup>		X <sup>fi</sup>	X <sup>fi</sup>	X	X	X				H, F
89	StraPack Inc..	03/26	X <sup>fi</sup>		X <sup>fi</sup>	X <sup>fi</sup>	X <sup>fi</sup>		X			X	F
67	STEK Strap Packaging (FoShan) CO., LTD	02/26	X <sup>fi</sup>		X	X							F
41	Dae Yang Straps Co LTD.	04/25	X		X	X	X						F
42	JSC Polivektris	03/26	X		X	X		X	X		X	X	F
61	Plast-O-Fine Industries	05/26	X <sup>fi</sup>			X							F
20	Garibaldi S.A.	09/24		X <sup>cl</sup>	X <sup>cl</sup>	X <sup>fi</sup>	X <sup>cl</sup>						F
20	Garibaldi S.A.	09/24	X <sup>cl</sup>		X								H, F
20	Garibaldi S.A.	06/26				X							F
10	Petroplast Industria de Fitas e Selos Ltda	05/24	X <sup>cl</sup>			X <sup>cl</sup>							F
8	Dae Eun Industrial Co., LTD.	08/24	X		X	X			X			X	F
8	Dae Eun Industrial Co., LTD.	08/26					X <sup>fi</sup>		X <sup>cl</sup>				F
95	BM Strap Industria E Comercio De Plasticos Ltda	04/27			X <sup>cl</sup>	X <sup>cl</sup>							F
96	Reciclar S.A.	07/25	X <sup>fi</sup>										F
96	Reciclar S.A.	08/23			X <sup>fi</sup>	X <sup>fi</sup>							F
104	Specta Gulf Packaging LLC	03/26	X <sup>fi</sup>		X <sup>fi</sup>	X <sup>cl</sup>	X						F
110	Foshan JIAJUN Willie PAK Co., Ltd.	03/26	X <sup>fi</sup>		X								F
113	LINDER GmbH	01/27	X <sup>fi</sup>	X <sup>fi</sup>	X <sup>fi</sup>	X <sup>fi</sup>	X <sup>fi</sup>		X		X		F
114	DOWONPACK CO., LTD.	04/27	X <sup>fi</sup>			X <sup>fi</sup>	X					X	F
114	DOWONPACK CO., LTD.	11/25			X <sup>fi</sup>			X	X				F

40	Gulf Atlantic Packaging Corp. aka 'GAP-CO'	03/26	X		X								F
40	Gulf Atlantic Packaging Corp. aka 'GAP-CO'	06/26	X <sup>cl</sup> / <sup>el</sup>		X <sup>el</sup>								H
40	Gulf Atlantic Packaging Corp. aka 'GAP-CO'	07/25	X <sup>cl</sup>							X			F
40	Gulf Atlantic Packaging Corp. aka 'GAP-CO'	11/25			X <sup>cl</sup>	X <sup>fl</sup>	X		X				F
119	DSS CO., LTD.	05/25				X <sup>cl</sup>							F
119	DSS CO., LTD.	08/26						X					F
122	NINA CO., LTD.	05/25	X			X							F
117	CONSENT FZCO	06/24	X <sup>cl</sup>		X								F
117	CONSENT FZCO	08/26	X		X <sup>fl</sup>		X						F
99	THR Indústria e Comércio de Embalagens Ltda	05/25			X								F
124	Jiangsu Juhong Strapping Manufacturing Co.,Ltd	11/25	X <sup>fl</sup>		X <sup>fl</sup>	X <sup>fl</sup>							F
125	Changcheng Industry (Foshan) Co., Ltd.	07/25	X		X	X							F
125	Changcheng Industry (Foshan) Co., Ltd.	02/26	X <sup>cl</sup>										F
126	PolyPac Sdn Bhd	11/25	X			X <sup>cl</sup>							F
91	High Q Pack Industries Co. Ltd.	01/26	X										F
127	Polipak Plastik Ambalaj San. Şti.	04/26	X										F
128	Patel Strap Pvt. Ltd.	06/26	X <sup>fl</sup>		X <sup>fl</sup>	X <sup>cl</sup>							F
2	Messersì Packaging Srl	06/26	X <sup>fl</sup>		X <sup>fl</sup>								F
130	ONUR PLASTİK AMBALAJ TAAH. GERİ DÖN.SAN ve TİC LTD.ŞTİ.	10/26	X	X	X	X	X						F
133	Steelpack Group Brasil	04/27	X										F

H = Heat-sealed (hot knife) joint  
F = Friction-welded joint  
S = Seal, approved metal (metal seal joints must be approved systems)

Strapping in the table above may be used only where specified in an approved figure or as an allowable substitution for steel banding under the applicable figures in Sect. 5.  
Strapping in the table above is for smooth sided polyester plastic type strap only unless otherwise denoted.

- <sup>a/</sup> Associated with Signode Industrial Group as a manufacturer employing common production procedures and specifications.
- <sup>b/</sup> Friction-weld only approved joint type.
- <sup>c/</sup> Embossed Only Type Strap.
- <sup>d/</sup> Associated with Samuel Manutech Strapping Companies as a manufacturer employing common production procedures and specifications.
- <sup>e/</sup> Heat-sealed only approved joint type.
- <sup>f/</sup> Smooth and Embossed approved.
- <sup>g/</sup> High Elongation PET Strapping.