

Rolled Straps

Manufactured to resist tension load when attached to solid sawn or structural composite lumber metal plate connected trusses, framing members and wall members. ClarkDietrich Rolled Strapping (CDRS) are 1-1/4" wide with holes punched at 1-1/4" on center, in a staggered pattern. Strapping is manufactured in continuous rolls of 250 feet for 20 gauge, 200 feet for 18 gauge and 150 feet for 16 gauge.

MATERIAL SPECIFICATIONS

CDRS150

Gauge: 16ga (54mil)

Design Thickness: 0.0566 inches

Coating: G90 (Z275) hot-dipped galvanized coating

Yield Strength: Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)

CDRS200

Gauge: 18ga (43mil)

Design Thickness: 0.0451 inches

Coating: G90 (Z275) hot-dipped galvanized coating

Yield Strength: Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)

CDRS250

Gauge: 20ga (33mil)

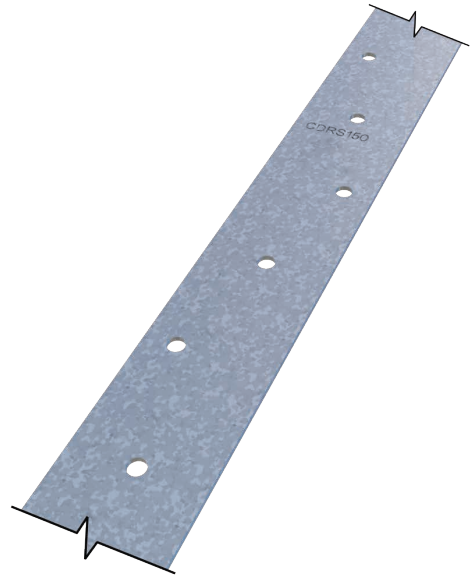
Design Thickness: 0.0346 inches

Coating: G90 (Z275) hot-dipped galvanized coating

Yield Strength: Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)

CODE REPORT

- IAPMO ER-0176



Rolled Straps (CDRS)

Product Code	Width (in)	Length (ft)
CDRS150	1-1/4	150
CDRS200	1-1/4	200
CDRS250	1-1/4	250



Rolled Strap Installation

Rolled Straps (CDRS150)

Product Code	Strap Dimensions (in)		Fasteners (Quantity at Each End)		Allowable Upward Loads (lbs)											
	Width	Min. Length	Size	Quantity	Spruce Pine-Fir (0.42 Specific Gravity)				Douglas Fir-Larch (0.50 Specific Gravity)				Southern Pine (0.55 Specific Gravity)			
					Load Duration Factor				Load Duration Factor				Load Duration Factor			
	1.00	1.15	1.25	1.60	1.00	1.15	1.25	1.60	1.00	1.15	1.25	1.60				
CDRS150	1-1/4	6-1/4	0.131" x 1.5"	2	215	250	270	345	200	230	250	320	170	200	215	275
			0.148" x 1.5"		260	300	325	415	240	275	300	385	205	235	260	330
			0.162" x 2.5"		310	355	385	495	285	325	355	455	245	280	305	390
	1-1/4	8-3/4	0.131" x 1.5"	3	325	375	405	520	300	345	375	480	260	295	320	415
			0.148" x 1.5"		390	450	485	625	360	415	450	575	310	355	385	495
			0.162" x 2.5"		460	530	575	740	425	490	535	680	365	420	460	585
	1-1/4	11-1/4	0.131" x 1.5"	4	430	495	540	690	400	460	500	640	345	395	430	550
			0.148" x 1.5"		520	595	650	830	480	550	600	765	410	475	515	660
			0.162" x 2.5"		615	710	770	985	570	655	710	910	490	560	610	780
	1-1/4	13-3/4	0.131" x 1.5"	5	540	620	675	865	500	575	625	800	430	495	535	690
			0.148" x 1.5"		650	745	810	1040	600	690	750	960	515	595	645	825
			0.162" x 2.5"		770	885	960	1230	710	815	890	1135	610	700	765	975
	1-1/4	16-1/4	0.131" x 1.5"	6	650	745	810	1040	600	690	750	960	515	595	645	825
			0.148" x 1.5"		780	895	975	1245	720	825	900	1150	620	710	775	990
			0.162" x 2.5"		925	1060	1155	1480	850	980	1065	1365	735	845	915	1175
	1-1/4	18-3/4	0.131" x 1.5"	7	755	870	945	1210	700	805	875	1120	600	690	750	965
			0.148" x 1.5"		910	1045	1135	1455	840	965	1050	1340	720	830	900	1155
			0.162" x 2.5"		1080	1240	1345	1725	995	1145	1245	1590	855	985	1070	1370
	1-1/4	21-1/4	0.131" x 1.5"	8	865	995	1080	1385	800	920	1000	1280	690	790	860	1100
			0.148" x 1.5"		1040	1195	1300	1660	960	1100	1200	1535	825	950	1030	1320
			0.162" x 2.5"		1230	1415	1540	1970	1135	1305	1420	1820	975	1125	1220	1565
	1-1/4	23-3/4	0.131" x 1.5"	9	975	1120	1215	1555	900	1035	1125	1440	775	890	965	1240
			0.148" x 1.5"		1170	1345	1460	1870	1080	1240	1350	1725	925	1065	1160	1485
			0.162" x 2.5"		1385	1595	1730	1970	1280	1470	1600	1970	1100	1265	1375	1760
	1-1/4	26-1/4	0.131" x 1.5"	10	1080	1245	1350	1730	1000	1150	1250	1595	860	990	1075	1375
			0.148" x 1.5"		1300	1490	1620	1970	1200	1375	1495	1915	1030	1185	1290	1650
			0.162" x 2.5"		1540	1770	1925	1970	1420	1635	1775	1970	1220	1405	1525	1955
	1-1/4	28-3/4	0.131" x 1.5"	11	1190	1370	1485	1905	1100	1265	1375	1755	945	1085	1180	1515
			0.148" x 1.5"		1425	1640	1785	1970	1320	1515	1645	1970	1135	1305	1415	1815
			0.162" x 2.5"		1695	1950	1970	1970	1565	1795	1955	1970	1345	1545	1680	1970
	1-1/4	31-1/4	0.131" x 1.5"	12	1295	1490	1620	1970	1200	1380	1500	1915	1030	1185	1290	1650
			0.148" x 1.5"		1555	1790	1945	1970	1435	1655	1795	1970	1235	1420	1545	1970
			0.162" x 2.5"		1850	1970	1970	1970	1705	1960	1970	1970	1465	1685	1830	1970
	1-1/4	33-3/4	0.131" x 1.5"	13	1405	1615	1755	1970	1300	1495	1620	1970	1115	1285	1395	1790
			0.148" x 1.5"		1685	1940	1970	1970	1555	1790	1945	1970	1340	1540	1675	1970
			0.162" x 2.5"		1970	1970	1970	1970	1845	1970	1970	1970	1590	1825	1970	1970
	1-1/4	36-1/4	0.131" x 1.5"	14	1515	1740	1890	1970	1400	1605	1745	1970	1205	1385	1505	1925
			0.148" x 1.5"		1815	1970	1970	1970	1675	1930	1970	1970	1445	1660	1805	1970
			0.162" x 2.5"		1970	1970	1970	1970	1970	1970	1970	1970	1710	1965	1970	1970
	1-1/4	38-3/4	0.131" x 1.5"	15	1620	1865	1970	1970	1500	1720	1870	1970	1290	1485	1610	1970
			0.148" x 1.5"		1945	1970	1970	1970	1795	1970	1970	1970	1545	1780	1930	1970
			0.162" x 2.5"		1970	1970	1970	1970	1970	1970	1970	1970	1830	1970	1970	1970
	1-1/4	41-1/4	0.131" x 1.5"	16	1730	1970	1970	1970	1595	1835	1970	1970	1375	1580	1720	1970
			0.148" x 1.5"		1970	1970	1970	1970	1915	1970	1970	1970	1650	1895	1970	1970
			0.162" x 2.5"		1970	1970	1970	1970	1970	1970	1970	1970	1955	1970	1970	1970
	1-1/4	43-3/4	0.131" x 1.5"	17	1840	1970	1970	1970	1695	1950	1970	1970	1460	1680	1825	1970
			0.148" x 1.5"		1970	1970	1970	1970	1970	1970	1970	1970	1750	1970	1970	1970
			0.162" x 2.5"		1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970
	1-1/4	46-1/4	0.131" x 1.5"	18	1945	1970	1970	1970	1795	1970	1970	1970	1545	1780	1935	1970
			0.148" x 1.5"		1970	1970	1970	1970	1970	1970	1970	1970	1855	1970	1970	1970
			0.162" x 2.5"		1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970
	1-1/4	48-3/4	0.131" x 1.5"	19	1970	1970	1970	1970	1895	1970	1970	1970	1635	1880	1970	1970
			0.148" x 1.5"		1970	1970	1970	1970	1970	1970	1970	1970	1960	1970	1970	1970
			0.162" x 2.5"		1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970

Notes:

- 1 Allowable Load Capacities are based on the Tabulated Species and Load Duration Factor.
- 2 Products shown in table are made of No. 16 gauge steel.
- 3 Overall length of rolled strap is 150 feet.

Rolled Straps

Rolled Straps (CDRS200)

Product Code	Strap Dimensions (in)		Fasteners (Quantity at Each End)		Allowable Upward Loads (lbs)											
	Width	Min. Length	Size	Quantity	Spruce Pine-Fir (0.42 Specific Gravity)				Douglas Fir-Larch (0.50 Specific Gravity)				Southern Pine (0.55 Specific Gravity)			
					Load Duration Factor				Load Duration Factor				Load Duration Factor			
					1.00	1.15	1.25	1.60	1.00	1.15	1.25	1.60	1.00	1.15	1.25	1.60
CDRS200	1-1/4	6-1/4	0.131" x 1.5"	2	210	245	265	340	195	225	245	310	165	190	210	270
			0.148" x 1.5"		255	290	320	405	235	270	295	375	200	230	250	320
			0.162" x 2.5"		305	350	380	485	280	320	350	445	240	275	300	385
	1-1/4	8-3/4	0.131" x 1.5"	3	315	365	395	505	290	335	365	465	250	290	315	400
			0.148" x 1.5"		380	440	475	610	350	405	440	560	300	345	375	485
			0.162" x 2.5"		455	520	570	725	420	480	525	670	360	415	450	575
	1-1/4	11-1/4	0.131" x 1.5"	4	420	485	525	675	390	450	485	625	335	385	420	535
			0.148" x 1.5"		510	585	635	815	470	540	585	750	405	465	505	645
			0.162" x 2.5"		605	695	755	970	560	640	700	895	480	550	600	765
	1-1/4	13-3/4	0.131" x 1.5"	5	525	605	660	845	485	560	610	780	420	480	525	670
			0.148" x 1.5"		635	730	795	1015	585	675	730	935	505	580	630	805
			0.162" x 2.5"		755	870	945	1210	700	805	870	1115	600	690	750	960
	1-1/4	16-1/4	0.131" x 1.5"	6	635	730	790	1015	585	670	730	935	500	575	625	805
			0.148" x 1.5"		760	875	955	1220	705	810	880	1125	605	695	755	965
			0.162" x 2.5"		910	1045	1135	1455	835	965	1045	1340	720	825	900	1150
	1-1/4	18-3/4	0.131" x 1.5"	7	740	850	925	1180	680	785	850	1090	585	675	730	935
			0.148" x 1.5"		890	1025	1110	1425	820	945	1025	1310	705	810	880	1125
			0.162" x 2.5"		1060	1220	1325	1570	975	1125	1220	1565	840	965	1050	1340
	1-1/4	21-1/4	0.131" x 1.5"	8	845	970	1055	1350	780	895	975	1245	670	770	835	1070
			0.148" x 1.5"		1015	1170	1270	1570	935	1080	1170	1500	805	925	1005	1290
			0.162" x 2.5"		1210	1395	1515	1570	1115	1285	1395	1570	960	1100	1200	1535
	1-1/4	23-3/4	0.131" x 1.5"	9	950	1090	1185	1520	875	1005	1095	1400	755	865	940	1205
			0.148" x 1.5"		1145	1315	1430	1570	1055	1215	1320	1570	905	1040	1130	1450
			0.162" x 2.5"		1365	1565	1570	1570	1255	1445	1570	1570	1080	1240	1350	1570
	1-1/4	26-1/4	0.131" x 1.5"	10	1055	1215	1320	1570	975	1120	1215	1555	835	960	1045	1340
			0.148" x 1.5"		1270	1460	1570	1570	1170	1350	1465	1570	1005	1155	1260	1570
			0.162" x 2.5"		1515	1570	1570	1570	1395	1570	1570	1570	1200	1380	1495	1570
	1-1/4	28-3/4	0.131" x 1.5"	11	1160	1335	1450	1570	1070	1230	1340	1570	920	1060	1150	1470
			0.148" x 1.5"		1400	1570	1570	1570	1290	1480	1570	1570	1105	1275	1385	1570
			0.162" x 2.5"		1570	1570	1570	1570	1535	1570	1570	1570	1320	1515	1570	1570
	1-1/4	31-1/4	0.131" x 1.5"	12	1265	1455	1570	1570	1170	1345	1460	1570	1005	1155	1255	1570
			0.148" x 1.5"		1525	1570	1570	1570	1405	1570	1570	1570	1210	1390	1510	1570
			0.162" x 2.5"		1570	1570	1570	1570	1570	1570	1570	1570	1440	1570	1570	1570
	1-1/4	33-3/4	0.131" x 1.5"	13	1370	1570	1570	1570	1265	1455	1570	1570	1085	1250	1360	1570
			0.148" x 1.5"		1570	1570	1570	1570	1525	1570	1570	1570	1310	1505	1570	1570
			0.162" x 2.5"		1570	1570	1570	1570	1570	1570	1570	1570	1555	1570	1570	1570
	1-1/4	36-1/4	0.131" x 1.5"	14	1475	1570	1570	1570	1360	1565	1570	1570	1170	1345	1465	1570
			0.148" x 1.5"		1570	1570	1570	1570	1570	1570	1570	1570	1410	1570	1570	1570
			0.162" x 2.5"		1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570
	1-1/4	38-3/4	0.131" x 1.5"	15	1570	1570	1570	1570	1460	1570	1570	1570	1255	1440	1570	1570
			0.148" x 1.5"		1570	1570	1570	1570	1570	1570	1570	1570	1510	1570	1570	1570
			0.162" x 2.5"		1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570
	1-1/4	41-1/4	0.131" x 1.5"	16	1570	1570	1570	1570	1555	1570	1570	1570	1340	1540	1570	1570
			0.148" x 1.5"		1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570
			0.162" x 2.5"		1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570

Notes:

- 1 Allowable Load Capacities are based on the Tabulated Species and Load Duration Factor.
- 2 Products shown in table are made of No. 18 gauge steel.
- 3 Overall length of rolled strap is 200 feet.

Rolled Straps (CDRS250)

Product Code	Strap Dimensions (in)		Fasteners (Quantity at Each End)		Allowable Upward Loads (lbs)											
					Spruce Pine-Fir (0.42 Specific Gravity)				Douglas Fir-Larch (0.50 Specific Gravity)				Southern Pine (0.55 Specific Gravity)			
	Width	Min. Length	Size	Quantity	Load Duration Factor				Load Duration Factor				Load Duration Factor			
					1.00	1.15	1.25	1.60	1.00	1.15	1.25	1.60	1.00	1.15	1.25	1.60
CDRS250	1-1/4	6-1/4	0.131" x 1.5"	2	205	235	255	325	190	215	235	300	160	185	200	260
			0.148" x 1.5"		245	285	310	395	225	260	285	365	195	225	245	310
			0.162" x 2.5"		295	340	370	470	270	315	340	435	235	270	290	375
	1-1/4	8-3/4	0.131" x 1.5"	3	305	350	380	490	280	325	350	450	240	280	300	385
			0.148" x 1.5"		370	425	460	590	340	390	425	545	295	335	365	470
			0.162" x 2.5"		440	510	555	710	410	470	510	655	350	400	435	560
	1-1/4	11-1/4	0.131" x 1.5"	4	405	470	510	650	375	430	470	600	325	370	405	515
			0.148" x 1.5"		495	565	615	790	455	520	570	725	390	450	490	625
			0.162" x 2.5"		590	680	735	935	545	625	680	835	465	535	585	745
	1-1/4	13-3/4	0.131" x 1.5"	5	510	585	635	815	470	540	585	750	405	465	505	645
			0.148" x 1.5"		615	710	770	935	570	655	710	835	490	560	610	780
			0.162" x 2.5"		735	835	835	1035	680	780	835	835	585	670	730	835
	1-1/4	16-1/4	0.131" x 1.5"	6	610	700	765	935	565	650	705	835	485	555	605	775
			0.148" x 1.5"		740	835	835	1035	680	785	835	835	585	675	730	835
			0.162" x 2.5"		835	835	835	1035	815	835	835	835	700	805	835	835
	1-1/4	18-3/4	0.131" x 1.5"	7	710	820	835	1035	655	755	820	835	565	650	705	835
			0.148" x 1.5"		835	835	835	1035	795	835	835	835	685	785	835	835
			0.162" x 2.5"		835	835	835	1035	835	835	835	835	815	835	835	835
	1-1/4	21-1/4	0.131" x 1.5"	8	815	835	835	1035	750	835	835	835	645	740	805	835
			0.148" x 1.5"		835	835	835	1035	835	835	835	835	780	835	835	835
			0.162" x 2.5"		835	835	835	1035	835	835	835	835	835	835	835	835
	1-1/4	23-3/4	0.131" x 1.5"	9	835	835	835	1035	835	835	835	835	725	835	835	835
			0.148" x 1.5"		835	835	835	1035	835	835	835	835	835	835	835	835
			0.162" x 2.5"		835	835	835	1035	835	835	835	835	835	835	835	835
	1-1/4	26-1/4	0.131" x 1.5"	10	835	835	835	1035	835	835	835	835	805	835	835	835
			0.148" x 1.5"		835	835	835	1035	835	835	835	835	835	835	835	835
			0.162" x 2.5"		835	835	835	1035	835	835	835	835	835	835	835	835
	1-1/4	28-3/4	0.131" x 1.5"	11	835	835	835	1035	835	835	835	835	835	835	835	835
			0.148" x 1.5"		835	835	835	1035	835	835	835	835	835	835	835	835
			0.162" x 2.5"		835	835	835	1035	835	835	835	835	835	835	835	835
	1-1/4	31-1/4	0.131" x 1.5"	12	835	835	835	1035	835	835	835	835	835	835	835	835
			0.148" x 1.5"		835	835	835	1035	835	835	835	835	835	835	835	835
			0.162" x 2.5"		835	835	835	1035	835	835	835	835	835	835	835	835

Notes:

- 1 Allowable Load Capacities are based on the Tabulated Species and Load Duration Factor.
- 2 Products shown in table are made of No. 20 gauge steel.
- 3 Overall length of rolled strap is 250 feet.