

**Rennsteig PEW 12 Hand Crimp Tool Die Sets for Delphi Terminals****Note:**

1. Tools consist of plate, anvil, locator, and wire stop. Assembly instruction and Data Sheet is also included.
2. Rennsteig PEW 12 Hand Crimp Tool, Toggle Press, or Pneumatic Crimping Press is required to use these die sets.
3. GXL 143 is regular wall cable, TXL 142 is thin wall cable, 14A and X51 are ultra thin wall cable.
4. Use Terminal Reference number for crimp specifications, which are provided with each tool set.

Terminal P/N	Terminal Reference	Product Family	Gender	Gage Size Metric (mm2)	Gage Size AWG	Cable Type	PSG Tool P/N	Rennsteig Tool P/N
12015823	12034046	Metri Pack 280 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT22802506-5	624 1506
12015837	12015864	Metri Pack 630 Unsealed	Female	0.5 (143) - 0.8 (142)	20 (143)-18 (143)	GXL 143 / TXL 142	HT26300511-5	624 1511
12015838	12015864	Metri Pack 630 Unsealed	Female	0.5 (143) - 0.8 (142)	20 (143)-18 (143)	GXL 143 / TXL 142	HT26300511-5	624 1511
12015839	12015865	Metri Pack 630 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT26302510-5	624 1510
12015860	12015860	Metri Pack 480 Unsealed	Female	0.5 (143) - 0.8 (142)	20 (143)-18 (143)	GXL 143 / TXL 142	HT24802531-5	624 1531
12015864	12015864	Metri Pack 630 Unsealed	Female	0.5 (143) - 0.8 (142)	20 (143)-18 (143)	GXL 143 / TXL 142	HT26300511-5	624 1511
12015865	12015865	Metri Pack 630 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT26302510-5	624 1510
12015869	12015869	Metri Pack 630 Unsealed	Female	0.5 (143) - 0.8 (142)	20 (143)-18 (143)	GXL 143 / TXL 142	HT26300511-5	624 1511
12015870	12015865	Metri Pack 630 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT26302510-5	624 1510
12015874	12015864	Metri Pack 630 Unsealed	Female	0.5 (143) - 0.8 (142)	20 (143)-18 (143)	GXL 143 / TXL 142	HT26300511-5	624 1511
12020035	12020035	Metri Pack 630 Unsealed	Female	0.5 (2 cables 143) - 0.8 (2 cables 142)	20 (2 cables 143) - 18 (2 cables 142)	GXL 143 / TXL 142	HT26302509-5	624 1509
12020116	12020116	Metri Pack 280 Unsealed	Male	1 - 2	16 - 14	TXL 142	HT22802504-5	624 1504
12020119	12020119	Metri Pack 480 Unsealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT24802531-5	624 1531
12020120	12020120	Metri Pack 480 Unsealed	Male	1 (143) - 2 (142)	16 (143) - 14 (142)	GXL 143 / TXL 142	HT24802519-5	624 1519
12020125	12020125	Metri Pack 630 Unsealed	Male	0.8 - 1	18 - 16	TXL 142	HT26302512-5	624 1512
12020126	12020126	Metri Pack 630 Unsealed	Male	1 (143) - 2 (142)	16 (143) - 14 (142)	GXL 143 / TXL 142	HT26302510-5	624 1510
12020156	12020156	Metri Pack 630 P2S	Female	0.5 - 0.8	20-18	TXL 142	HT26300481-5	624 1481
12020365	12020365	Metri Pack 630 Unsealed	Male	3 (2 cables)	12 (2 cables)	TXL 142	HT26300511-5	624 1511
12020366	12020366	Metri Pack 480 Unsealed	Female	0.5 & 1.0 (2 cables)	20 & 16 (2 cables)	TXL 142	HT24800520-5	624 1520
12020388	12020116	Metri Pack 280 Unsealed	Male	1 - 2	16 - 14	TXL 142	HT22802504-5	624 1504
12020389	12034047	Metri Pack 280 Unsealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT22802506-5	624 1506
12020390	12020126	Metri Pack 630 Unsealed	Male	1 (143) - 2 (142)	16 (143) - 14 (142)	GXL 143 / TXL 142	HT26302510-5	624 1510
12020391	12020125	Metri Pack 630 Unsealed	Male	0.8 - 1	18 - 16	TXL 142	HT26302512-5	624 1512
12020392	12020120	Metri Pack 480 Unsealed	Male	1 (143) - 2 (142)	16 (143) - 14 (142)	GXL 143 / TXL 142	HT24802519-5	624 1519
12020393	12020119	Metri Pack 480 Unsealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT24802531-5	624 1531
12020801	12020801	Weather Pack Sealed	Female	0.35	22	TXL 142	HT31012528-5	624 1528

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3. GXL 143 is regular wall cable, TXL 142 is thin wall cable, 14A and X51 are ultra thin wall cable.
4. Use Terminal Reference number for crimp specifications, which are provided with each tool set.

Terminal P/N	Terminal Reference	Product Family	Gender	Gage Size Metric (mm2)	Gage Size AWG	Cable Type	PSG Tool P/N	Rennsteig Tool P/N
12033982	12015865	Metri Pack 630 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT26302510-5	624 1510
12033997	12033997	Metri Pack 630 P2S	Female	3	12	TXL 142	HT26300483-5	624 1483
12034046	12034046	Metri Pack 280 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT22802506-5	624 1506
12034047	12034047	Metri Pack 280 Unsealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT22802506-5	624 1506
12034132	12015860	Metri Pack 480 Unsealed	Female	0.5 (143) - 0.8 (142)	20 (143)-18 (143)	GXL 143 / TXL 142	HT24802531-5	624 1531
12034426	12015860	Metri Pack 480 Unsealed	Female	0.5 (143) - 0.8 (142)	20 (143)-18 (143)	GXL 143 / TXL 142	HT24802531-5	624 1531
12040902	12040902	Mirco Pack 100 Unsealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT41002532-5	624 1532
12040993	12040993	Metri Pack 150 Unsealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21501497-5	624 1497
12045773	12045773	Metri Pack 150 Sealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21511495-5	624 1495
12047581	12047581	Metri Pack 150 Unsealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21501497-5	624 1497
12047767	12047767	Metri Pack 150 Unsealed	Female	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21500530-5	624 1530
12048074	12048074	Metri Pack 150 Sealed	Female	0.5 - 0.8	20-18	TXL 142	HT21510527-5	624 1527
12048159	12048159	Metri Pack 280 Sealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT22812513-5	624 1513
12048254	12048254	Metri Pack 280 Sealed	Male	3 - 5	12 - 10	TXL 142	HT22812529-5	624 1529
12048450	12048450	Metri Pack 480 Sealed	Female	0.5 - 0.8	20-18	TXL 142	HT24810516-5	624 1516
12048451	12048451	Metri Pack 480 Sealed	Female	1 - 2	16 - 14	TXL 142	HT24810516-5	624 1516
12052139	12052139	Metri Pack 480 Sealed	Female	3 - 5	12 - 10	TXL 142	HT24810537-5	624 1537
12052172	12052172	Metri Pack 480 Sealed	Male	5	10	TXL 142	HT24811518-5	624 1518
12052217	12052217	Metri Pack 280 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT22802508-5	624 1508
12052219	12052219	Metri Pack 480 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT24802521-5	624 1521
12052221	12052221	Metri Pack 480 Unsealed	Female	3	12	TXL 142	HT24802519-5	624 1519
12052222	12052222	Metri Pack 630 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT26302512-5	624 1512
12052224	12052224	Metri Pack 630 Unsealed	Female	3	12	TXL 142	HT26302510-5	624 1510
12052225	12052222	Metri Pack 630 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT26302512-5	624 1512
12052455	12052455	Metri Pack 630 Sealed	Female	1 - 2	16 - 14	TXL 142	HT26312515-5	624 1515
12052456	12052456	Metri Pack 630 Sealed	Female	3 - 5	12 - 10	TXL 142	HT26312484-5	624 1484

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Terminal P/N	Terminal Reference	Product Family	Gender	Gage Size Metric (mm2)	Gage Size AWG	Cable Type	PSG Tool P/N	Rennsteig Tool P/N
12052457	12052457	Metri Pack 630 Sealed	Female	0.5 - 0.8	20-18	TXL 142	HT26312482-5	624 1482
12052826	12052826	Metri Pack 630 Unsealed	Male	3	12	TXL 142	HT26302510-5	624 1510
12052827	12052827	Metri Pack 480 Unsealed	Male	3	12	TXL 142	HT24802519-5	624 1519
12059147	12034046	Metri Pack 280 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT22802506-5	624 1506
12059243	12052221	Metri Pack 480 Unsealed	Female	3	12	TXL 142	HT24802519-5	624 1519
12059293	12015860	Metri Pack 480 Unsealed	Female	0.5 (143) - 0.8 (142)	20 (143)-18 (143)	GXL 143 / TXL 142	HT24802531-5	624 1531
12064734	12064734	Metri Pack 630 Sealed	Male	0.5 - 0.8	20-18	TXL 142	HT26312482-5	624 1482
12064735	12064735	Metri Pack 630 Sealed	Male	1 - 2	16 - 14	TXL 142	HT26312515-5	624 1515
12064736	12064736	Metri Pack 630 Sealed	Male	5	10	TXL 142	HT26312484-5	624 1484
12064737	12064737	Metri Pack 630 Sealed	Male	3	12	TXL 142	HT26312484-5	624 1484
12064971	12064971	Metri Pack 150 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21500496-5	624 1496
12065196	12065196	Metri Pack 480 Sealed	Male	0.8 - 1 - 2	18 - 16 - 14	TXL 142	HT24811517-5	624 1517
12065197	12065197	Metri Pack 480 Sealed	Male	3	12	TXL 142	HT24811518-5	624 1518
12066214	12066214	Metri Pack 280 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT22802504-5	624 1504
12066267	12052219	Metri Pack 480 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT24802521-5	624 1521
12066268	12052222	Metri Pack 630 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT26302512-5	624 1512
12066269	12066269	Metri Pack 480 Unsealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT24802521-5	624 1521
12066271	12066271	Metri Pack 280 Unsealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT22802508-5	624 1508
12066275	12052222	Metri Pack 630 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT26302512-5	624 1512
12066276	12052222	Metri Pack 630 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT26302512-5	624 1512
12066454	12066454	Metri Pack 630 Unsealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT26302512-5	624 1512
12066559	12052455	Metri Pack 630 Sealed	Female	1 - 2	16 - 14	TXL 142	HT26312515-5	624 1515
12066560	12052456	Metri Pack 630 Sealed	Female	3 - 5	12 - 10	TXL 142	HT26312484-5	624 1484
12066614	12066614	Metri Pack 630 P2S	Female	1 (143) - 2 (142)	16 (143) - 14 (142)	GXL 143 / TXL 142	HT26300481-5	624 1481
12077411	12077411	Metri Pack 280 Sealed	Female	0.5 (142) - 0.8 (143) - 1 (142)	20 (142) - 18 (143) - 16 (142)	GXL 143 / TXL 142	HT22810501-5	624 1501

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12077413	12077413	Metri Pack 280 Sealed	Female	3 - 5	12 - 10	TXL 142	HT22810498-5	624 1498
12077628	12077628	Metri Pack 150 Sealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT21511495-5	624 1495
12077939	12077939	Metri Pack 280 P2S	Female	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT22810499-5	624 1499
12084200	12084200	Metri Pack 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21510494-5	624 1494
12084201	12084201	Metri Pack 280 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT22812502-5	624 1502
12084449	12084449	Mirco Pack 100 Unsealed	Male	0.5 - 0.8	20-18	TXL 142	HT41001533-5	624 1533
12084596	12084596	Metri Pack 630 Unsealed	Female	2 (2 cables) - 3 (2 cables)	14 (2 cables) - 12 (2 cables)	TXL 142	HT26302509-5	624 1509
12084912	12084912	Micro Pack 100W	Female	0.8	18	TXL 142	HT42000534-5	624 1534
12084913	12084913	Micro Pack 100W	Female	0.35 - 0.5	22 - 20	TXL 142	HT42000534-5	624 1534
12089040	12089040	Weather Pack Sealed	Male	0.5 - 0.8	20-18	TXL 142	HT31012528-5	624 1528
12089108	12089188	Weather Pack Sealed	Female	0.5 - 0.8	20-18	TXL 142	HT31012528-5	624 1528
12089188	12089188	Weather Pack Sealed	Female	0.5 - 0.8	20-18	TXL 142	HT31012528-5	624 1528
12089290	12089290	Metri Pack 150 P2S	Female	0.35 - 0.5	22 - 20	TXL 142	HT21500490-5	624 1490
12089305	12124580	Weather Pack Sealed	Female	1 - 2	16 - 14	TXL 142	HT31012476-5	624 1476
12089307	12089307	Weather Pack Sealed	Male	0.35	22	TXL 142	HT31012528-5	624 1528
12092584	12015864	Metri Pack 630 Unsealed	Female	0.5 (143) - 0.8 (142)	20 (143)-18 (143)	GXL 143 / TXL 142	HT26300511-5	624 1511
12092621	12040993	Metri Pack 150 Unsealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21501497-5	624 1497
12092622	12160223	Metri Pack 150 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT21510527-5	624 1527
12092623	12047767	Metri Pack 150 Unsealed	Female	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21500530-5	624 1530
12092624	12045773	Metri Pack 150 Sealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21511495-5	624 1495
12092667	12160223	Metri Pack 150 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT21510527-5	624 1527
12092696	12034046	Metri Pack 280 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT22802506-5	624 1506
12092697	12084200	Metri Pack 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21510494-5	624 1494
12092698	12077628	Metri Pack 150 Sealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT21511495-5	624 1495
12103347	12066214	Metri Pack 280 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT22802504-5	624 1504
12103360	12103360	Metri Pack 280 P2S	Female	0.35 - 0.5	22 - 20	TXL 142	HT22800500-5	624 1500
12103881	12103881	Metri Pack 150 P2S	Female	0.8 - 1	18 - 16	TXL 142	HT21500490-5	624 1490
12110158	12077939	Metri Pack 280 P2S	Female	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT22810499-5	624 1499
12110502	12110502	Metri Pack 150 Unsealed	Male	0.5 - 0.8	20-18	TXL 142	HT21501497-5	624 1497
12110842	12110842	Metri Pack 280 Unsealed	Female	3	12	TXL 142	HT22800505-5	624 1505
12110843	12110843	Metri Pack 280 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT22802507-5	624 1507

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Terminal P/N	Terminal Reference	Product Family	Gender	Gage Size Metric (mm2)	Gage Size AWG	Cable Type	PSG Tool P/N	Rennsteig Tool P/N
12110844	12110844	Metri Pack 280 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT22802508-5	624 1508
12110845	12110845	Metri Pack 280 Sealed	Female	2 (143) - 3 (142)	14 (143) - 12 (142)	GXL 143 / TXL 142	HT22810499-5	624 1499
12110846	12110846	Metri Pack 280 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT22812529-5	624 1529
12110847	12110847	Metri Pack 280 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT22812502-5	624 1502
12110853	12110853	Metri Pack 280 Sealed	Female	3 - 5	12 - 10	TXL 142	HT22810498-5	624 1498
12124026	12124057	Metri Pack 480 Unsealed	Female	0.8 (2 cables) - 1 (2 cables)	18 (2 cables) - 16 (2 cables)	TXL 142	HT24800520-5	624 1520
12124057	12124057	Metri Pack 480 Unsealed	Female	0.8 (2 cables) - 1 (2 cables)	18 (2 cables) - 16 (2 cables)	TXL 142	HT24800520-5	624 1520
12124075	12124075	Metri Pack 150 P2S	Female	0.8 - 1	18 - 16	TXL 142	HT21500490-5	624 1490
12124076	12124076	Metri Pack 150 P2S	Female	0.35 - 0.5	22 - 20	TXL 142	HT21500490-5	624 1490
12124085	12034047	Metri Pack 280 Unsealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT22802506-5	624 1506
12124304	12124304	Metri Pack 480 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT24802519-5	624 1519
12124580	12124580	Weather Pack Sealed	Female	1 - 2	16 - 14	TXL 142	HT31012476-5	624 1476
12124581	12124581	Weather Pack Sealed	Female	3	12	TXL 142	HT31012476-5	624 1476
12124582	12124582	Weather Pack Sealed	Male	1 - 2	16 - 14	TXL 142	HT31012476-5	624 1476
12124587	12124587	Weather Pack Sealed	Male	3	12	TXL 142	HT31012476-5	624 1476
12124639	12124639	Metri Pack 280 Unsealed	Female	0.5 - 0.8	20-18	TXL 142	HT22800505-5	624 1505
12124977	12124977	Metri Pack 280 Sealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT22811503-5	624 1503
12129061	12129061	Metri Pack 280 Unsealed	Female	0.35 (2 cables)	22 (2 cables)	TXL 142	HT22802504-5	624 1504
12129373	12129373	Metri Pack 150 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21500496-5	624 1496
12129409	12129409	Metri Pack 280 Sealed	Female	1 - 2	16 - 14	TXL 142	HT22812529-5	624 1529
12129422	12052217	Metri Pack 280 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT22802508-5	624 1508
12129424	12129424	Metri Pack 280 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT22802504-5	624 1504
12129484	12129484	Metri Pack 150 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT21500496-5	624 1496
12129493	12129493	Metri Pack 280 Sealed	Female	2 - 3	14 - 12	TXL 142	HT22810498-5	624 1498
12129497	12129497	Metri Pack 280 Sealed	Male	2 - 3	14 - 12	TXL 142	HT22811503-5	624 1503
12129498	12129498	Metri Pack 280 Unsealed	Male	2 - 3	14 - 12	TXL 142	HT22802507-5	624 1507
12129663	12129663	Metri Pack 280 Unsealed	Female	3	12	TXL 142	HT22802504-5	624 1504
12129750	12129750	100W Sealed	Female	0.8	18	TXL 142	HT42010542-5	624 1542
12146034	12146034	100W Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT42010542-5	624 1542

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12146447	12146447	Mirco Pack 100 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT41002532-5	624 1532
12146448	12146448	Mirco Pack 100 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT41002532-5	624 1532
12160222	12160222	Metri Pack 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21510494-5	624 1494
12160223	12160223	Metri Pack 150 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT21510527-5	624 1527
12160248	12077939	Metri Pack 280 P2S	Female	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT22810499-5	624 1499
12160551	12160551	100W Sealed	Male	0.5 - 0.8	20-18	TXL 142	HT42011544-5	624 1544
12160552	12160552	100W Sealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT42011541-5	624 1541
12160811	12040993	Metri Pack 150 Unsealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21501497-5	624 1497
12161184	12161184	Metri Pack 150 P2S	Female	0.8 - 1	18 - 16	TXL 142	HT21510494-5	624 1494
12162248	12103881	Metri Pack 150 P2S	Female	0.8 - 1	18 - 16	TXL 142	HT21500490-5	624 1490
12162595	12162595	Metri Pack 280 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT22802508-5	624 1508
12162596	12162596	Metri Pack 280 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT22802507-5	624 1507
12162597	12162597	Metri Pack 280 Unsealed	Female	3	12	TXL 142	HT22800505-5	624 1505
12162620	12110844	Metri Pack 280 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT22802508-5	624 1508
12162621	12110843	Metri Pack 280 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT22802507-5	624 1507
12162622	12110842	Metri Pack 280 Unsealed	Female	3	12	TXL 142	HT22800505-5	624 1505
12176300	12129493	Metri Pack 280 Sealed	Female	2 - 3	14 - 12	TXL 142	HT22810498-5	624 1498
12176387	12176387	Metri Pack 280 Sealed	Female	5	10	TXL 142	HT22810498-5	624 1498
12176388	12176388	Metri Pack 280 Sealed	Female	2 - 3	14 - 12	TXL 142	HT22810498-5	624 1498
12176389	12176389	Metri Pack 280 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT22810501-5	624 1501
12176390	12084201	Metri Pack 280 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT22812502-5	624 1502
12176636	12160223	Metri Pack 150 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT21510527-5	624 1527
12176637	12084200	Metri Pack 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21510494-5	624 1494
12176667	12176667	Metri Pack 280 Unsealed	Female	0.8	18	TXL 142	HT22802508-5	624 1508
12176854	12176854	Metri Pack 630 P2S	Female	5	10	TXL 142	HT26300483-5	624 1483
12176860	12103881	Metri Pack 150 P2S	Female	0.8 - 1	18 - 16	TXL 142	HT21500490-5	624 1490
12176890	12161184	Metri Pack 150 P2S	Female	0.8 - 1	18 - 16	TXL 142	HT21510494-5	624 1494
12177150	12045773	Metri Pack 150 Sealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21511495-5	624 1495
12191054	12089290	Metri Pack 150 P2S	Female	0.35 - 0.5	22 - 20	TXL 142	HT21500490-5	624 1490
12191055	12089290	Metri Pack 150 P2S	Female	0.35 - 0.5	22 - 20	TXL 142	HT21500490-5	624 1490
12191056	12103881	Metri Pack 150 P2S	Female	0.8 - 1	18 - 16	TXL 142	HT21500490-5	624 1490

**Rennsteig PEW 12 Hand Crimp Tool Die Sets for Delphi Terminals****Note:**

1. Tools consist of plate, anvil, locator, and wire stop. Assembly instruction and Data Sheet is also included.
2. Rennsteig PEW 12 Hand Crimp Tool, Toggle Press, or Pneumatic Crimping Press is required to use these die sets.
3. GXL 143 is regular wall cable, TXL 142 is thin wall cable, 14A and X51 are ultra thin wall cable.
4. Use Terminal Reference number for crimp specifications, which are provided with each tool set.

Terminal P/N	Terminal Reference	Product Family	Gender	Gage Size Metric (mm2)	Gage Size AWG	Cable Type	PSG Tool P/N	Rennsteig Tool P/N
12191479	12066214	Metri Pack 280 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT22802504-5	624 1504
12191506	12089040	Weather Pack Sealed	Male	0.5 - 0.8	20-18	TXL 142	HT31012528-5	624 1528
12191586	12089188	Weather Pack Sealed	Female	0.5 - 0.8	20-18	TXL 142	HT31012528-5	624 1528
12191587	12089040	Weather Pack Sealed	Male	0.5 - 0.8	20-18	TXL 142	HT31012528-5	624 1528
12191811	12191811	GT 150 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT11502487-5	624 1487
12191812	12191812	GT 150 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT11502487-5	624 1487
12191818	12191818	GT 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT11512489-5	624 1489
12191819	12191819	GT 150 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT11512489-5	624 1489
12191887	12045773	Metri Pack 150 Sealed	Male	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21511495-5	624 1495
12191888	12077628	Metri Pack 150 Sealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT21511495-5	624 1495
12966505	12066614	Metri Pack 630 P2S	Female	1 (143) - 2 (142)	16 (143) - 14 (142)	GXL 143 / TXL 142	HT26300481-5	624 1481
13517879	12064971	Metri Pack 150 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21500496-5	624 1496
13518011	12047767	Metri Pack 150 Unsealed	Female	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21500530-5	624 1530
13522325	12191818	GT 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT11512489-5	624 1489
13523046	13523046	GT 630 Unsealed	Male	0.8 - 1	18 - 16	TXL 142	HT16310574-5	624 1574
13525297	12064971	Metri Pack 150 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21500496-5	624 1496
13543114	13543114	Micro HVT 1.2 Sealed	Female	0.35 - 0.5	22-20	TXL 142	HT49010576-5	624 1576
13543115	13543115	Micro HVT 1.2 Sealed	Female	0.8	18	14A Ultra Thin Wall	HT49010576-5	624 1576
13543116	13543116	Micro HVT 1.2 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT49010577-5	624 1577
13543117	13543117	Micro HVT 1.2 Sealed	Female	0.35 - 0.5	22-20	TXL 142	HT49010576-5	624 1576
13543118	13543118	Micro HVT 1.2 Sealed	Female	0.8	18	14A Ultra Thin Wall	HT49010576-5	624 1576
13543119	13543119	Micro HVT 1.2 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT49010577-5	624 1577
13551420	13551420	100V DHD 20	Female	0.35 - 0.5	22 - 20	TXL 142	HT52000538-5	624 1538
13597075	13597075	Micro HVT 064 Sealed	Male	0.13 - 0.22	26 - 24	X51 Ultra Thin Wall	HT49011580-5	624 1580
13597076	13597076	Micro HVT 064 Sealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT49011580-5	624 1580
13597077	13597077	Micro HVT 064 Sealed	Male	0.8 (14A) - 1 (142)	18 (14A) - 16 (142)	14A Ultra Thin Wall / TXL 142	HT49011581-5	624 1581
15256827	15356827	Micro 64 Unsealed	Female	0.5 - 0.8	20-18	TXL 142	HT46400545-5	624 1545
15304701	15304701	GT 150 Unsealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT11502487-5	624 1487
15304702	15304702	GT 150 Unsealed	Male	0.8 - 1	18 - 16	TXL 142	HT11502487-5	624 1487
15304707	15304707	GT 150 Sealed	Male	0.8 - 1	18 - 16	TXL 142	HT11512489-5	624 1489
15304710	15304710	GT 280 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT12802485-5	624 1485
15304711	15304711	GT 280 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT12802485-5	624 1485
15304712	15304712	GT 280 Unsealed	Female	2	14	TXL 142	HT12802493-5	624 1493
15304713	15304713	GT 280 Unsealed	Female	5	10	TXL 142	HT12802493-5	624 1493
15304718	15304718	GT 280 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT12812486-5	624 1486

**Rennsteig PEW 12 Hand Crimp Tool Die Sets for Delphi Terminals****Note:**

1. Tools consist of plate, anvil, locator, and wire stop. Assembly instruction and Data Sheet is also included.
2. Rennsteig PEW 12 Hand Crimp Tool, Toggle Press, or Pneumatic Crimping Press is required to use these die sets.
3. GXL 143 is regular wall cable, TXL 142 is thin wall cable, 14A and X51 are ultra thin wall cable.
4. Use Terminal Reference number for crimp specifications, which are provided with each tool set.

Terminal P/N	Terminal Reference	Product Family	Gender	Gage Size Metric (mm2)	Gage Size AWG	Cable Type	PSG Tool P/N	Rennsteig Tool P/N
15304719	15304719	GT 280 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT12812486-5	624 1486
15304720	15304720	GT 280 Sealed	Female	3	12	TXL 142	HT12812492-5	624 1492
15304722	15304722	GT 280 Unsealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT12802485-5	624 1485
15304723	15304723	GT 280 Unsealed	Male	0.8 - 1	18 - 16	TXL 142	HT12802485-5	624 1485
15304724	15304724	GT 280 Unsealed	Male	2	14	TXL 142	HT12802493-5	624 1493
15304725	15304725	GT 280 Unsealed	Male	5	10	TXL 142	HT12802493-5	624 1493
15304730	15304730	GT 280 Sealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT12812486-5	624 1486
15304731	15304731	GT 280 Sealed	Male	0.8 - 1	18 - 16	TXL 142	HT12812486-5	624 1486
15304732	15304732	GT 280 Sealed	Male	3	12	TXL 142	HT12812492-5	624 1492
15305232	12052456	Metri Pack 630 Sealed	Female	3 - 5	12 - 10	TXL 142	HT26312484-5	624 1484
15305314	15305314	100W Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT42010540-5	624 1540
15310040	12020116	Metri Pack 280 Unsealed	Male	1 - 2	16 - 14	TXL 142	HT22802504-5	624 1504
15317879	12064971	Metri Pack 150 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21500496-5	624 1496
15317923	15317923	100W Sealed	Female	0.8	18	TXL 142	HT42010543-5	624 1543
15317924	15317924	100W Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT42010543-5	624 1543
15318039	12066271	Metri Pack 280 Unsealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT22802508-5	624 1508
15324339	12066214	Metri Pack 280 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT22802504-5	624 1504
15324341	12129663	Metri Pack 280 Unsealed	Female	3	12	TXL 142	HT22802504-5	624 1504
15326004	15326004	GT 280 Sealed	Female	5	10	TXL 142	HT12812492-5	624 1492
15326030	12047767	Metri Pack 150 Unsealed	Female	0.5 - 0.8 - 1	20 - 18 - 16	TXL 142	HT21500530-5	624 1530
15326225	12160223	Metri Pack 150 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT21510527-5	624 1527
15326244	15326244	100W Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT42010540-5	624 1540
15326266	15326266	GT 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT11510488-5	624 1488
15326267	15326267	GT 150 Sealed	Female	0.8	18	TXL 142	HT11510488-5	624 1488
15326268	15326268	GT 150 Sealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT11512489-5	624 1489
15326269	15326269	GT 150 Sealed	Male	0.8 - 1	18 - 16	TXL 142	HT11512489-5	624 1489
15326306	12084200	Metri Pack 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21510494-5	624 1494
15326396	15326396	Metri Pack 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT21510494-5	624 1494
15326426	15326426	GT 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT11512489-5	624 1489
15326543	12066214	Metri Pack 280 Unsealed	Female	1 - 2	16 - 14	TXL 142	HT22802504-5	624 1504
15332185	15332185	Metri Pack 480 Sealed	Female	5	10	TXL 142	HT24810537-5	624 1537
15336111	12052219	Metri Pack 480 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT24802521-5	624 1521
15356027	15356827	Micro 64 Unsealed	Female	0.5 - 0.8	20-18	TXL 142	HT46400545-5	624 1545
15356826	15356826	Micro 64 Unsealed	Female	0.35	22	TXL 142	HT46400545-5	624 1545
15356827	15356827	Micro 64 Unsealed	Female	0.5 - 0.8	20-18	TXL 142	HT46400545-5	624 1545
15356926	15394147	Micro 64 Unsealed	Female	0.35	22	TXL 142	HT46400545-5	624 1545
15359001	15359001	Micro Pack 100W	Female	0.35 - 0.5	22 - 20	TXL 142	HT42000480-5	624 1480
15359002	15359002	Micro Pack 100W	Female	0.8	18	TXL 142	HT42000480-5	624 1480

**Rennsteig PEW 12 Hand Crimp Tool Die Sets for Delphi Terminals****Note:**

1. Tools consist of plate, anvil, locator, and wire stop. Assembly instruction and Data Sheet is also included.
2. Rennsteig PEW 12 Hand Crimp Tool, Toggle Press, or Pneumatic Crimping Press is required to use these die sets.
3. GXL 143 is regular wall cable, TXL 142 is thin wall cable, 14A and X51 are ultra thin wall cable.
4. Use Terminal Reference number for crimp specifications, which are provided with each tool set.

Terminal P/N	Terminal Reference	Product Family	Gender	Gage Size Metric (mm <sup>2</sup> )	Gage Size AWG	Cable Type	PSG Tool P/N	Rennsteig Tool P/N
15359163	12077628	Metri Pack 150 Sealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT21511495-5	624 1495
15359183	12110843	Metri Pack 280 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT22802507-5	624 1507
15359541	15359541	Micro 64 Unsealed	Female	0.5 - 0.8	20-18	TXL 142	HT46400545-5	624 1545
15366078	12160223	Metri Pack 150 Sealed	Female	0.8 - 1	18 - 16	TXL 142	HT21510527-5	624 1527
15366612	15304713	GT 280 Unsealed	Female	5	10	TXL 142	HT12802493-5	624 1493
15366613	15304712	GT 280 Unsealed	Female	2	14	TXL 142	HT12802493-5	624 1493
15373402	15326268	GT 150 Sealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT11512489-5	624 1489
15373403	15304707	GT 150 Sealed	Male	0.8 - 1	18 - 16	TXL 142	HT11512489-5	624 1489
15392777	15326004	GT 280 Sealed	Female	5	10	TXL 142	HT12812492-5	624 1492
15393149	15304701	GT 150 Unsealed	Male	0.35 - 0.5	22 - 20	TXL 142	HT11502487-5	624 1487
15393150	12191811	GT 150 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT11502487-5	624 1487
15394147	15394147	Micro 64 Unsealed	Female	0.35	22	TXL 142	HT46400545-5	624 1545
15401440	15401440	Micro 64 Unsealed	Female	0.5 - 0.8	20-18	TXL 142	HT46400545-5	624 1545
15410292	15410292	GT 630 Unsealed	Male	5	10	TXL 142	HT16310575-5	624 1575
15410293	15410293	GT 630 Unsealed	Male	2 - 3	14 - 12	TXL 142	HT16310575-5	624 1575
15410620	15410620	Micro 64 Unsealed	Female	0.35	22	TXL 142	HT46400545-5	624 1545
15410621	15410621	Micro 64 Unsealed	Female	0.5 - 0.8	20-18	TXL 142	HT49010576-5	624 1545
15410628	15394147	Micro 64 Unsealed	Female	0.35	22	TXL 142	HT46400545-5	624 1545
15423149	15424450	DHD 1.6	Female	0.8 - 1	18 - 16	TXL 142	HT51602536-5	624 1536
15423490	15326266	GT 150 Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT11510488-5	624 1488
15424449	15424449	DHD 1.6	Female	0.35 - 0.5	22 - 20	TXL 142	HT51602535-5	624 1535
15424450	15424450	DHD 1.6	Female	0.8 - 1	18 - 16	TXL 142	HT51602447-5	624 1447
15424450	15424450	DHD 1.6	Female	0.8 - 1	18 - 16	TXL 142	HT51602536-5	624 1536
15424451	15424451	DHD 1.6	Female	2 - 3	14 - 12	TXL 142	HT51602536-5	624 1536
15424452	15424452	DHD 1.6	Male	0.35 - 0.5	22 - 20	TXL 142	HT51602535-5	624 1535
15424453	15424453	DHD 1.6	Male	0.8	18	TXL 142	HT51602447-5	624 1447
15424453	15424453	DHD 1.6	Male	0.8 - 1	18 - 16	TXL 142	HT51602535-5	624 1535
15424454	15424454	DHD 1.6	Male	2 - 3	14 - 12	TXL 142	HT51602536-5	624 1536
15426815	15426815	MTS-B - Micro Term System 0.64 for USA Micro Term.System 0.64 for US	Female	0.35 - 0.5	22 - 20	TXL 142	HT43000491-5	624 1491
15426816	15426816	MTS-B - Micro Term System 0.64 for USA Micro Term.System 0.64 for US	Female	0.35 - 0.5	22 - 20	TXL 142	HT43000491-5	624 1491
15426817	15426817	MTS-B - Micro Term System 0.64 for USA Micro Term.System 0.64 for US	Female	0.8	18	TXL 142	HT43000491-5	624 1491
15426818	15426818	MTS-B - Micro Term System 0.64 for USA Micro Term.System 0.64 for US	Female	0.8	18	TXL 142	HT43000491-5	624 1491

**Rennsteig PEW 12 Hand Crimp Tool Die Sets for Delphi Terminals****Note:**

1. Tools consist of plate, anvil, locator, and wire stop. Assembly instruction and Data Sheet is also included.
2. Rennsteig PEW 12 Hand Crimp Tool, Toggle Press, or Pneumatic Crimping Press is required to use these die sets.
3. GXL 143 is regular wall cable, TXL 142 is thin wall cable, 14A and X51 are ultra thin wall cable.
4. Use Terminal Reference number for crimp specifications, which are provided with each tool set.

Terminal P/N	Terminal Reference	Product Family	Gender	Gage Size Metric (mm2)	Gage Size AWG	Cable Type	PSG Tool P/N	Rennsteig Tool P/N
15435885	15435885	100W Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT42010540-5	624 1540
15435886	15435886	100W Sealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT42010540-5	624 1540
15455571	15455571	GT 630 Sealed	Female	2 - 3	14 - 12	TXL 142	HT16310573-5	624 1573
15476168	15476168	GT 630 Sealed	Female	5	10	TXL 142	HT16310574-5	624 1574
15479524	12110844	Metri Pack 280 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT22802508-5	624 1508
15482008	15326267	GT 150 Sealed	Female	0.8	18	TXL 142	HT11510488-5	624 1488
15484100	12110843	Metri Pack 280 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT22802507-5	624 1507
15489000	15489000	100V DHD 20	Female	0.8 - 1	18 - 16	TXL 142	HT52000538-5	624 1538
15491265	15491265	Yasaki Kaizen 0.64 Microsystem	Female	0.35 - 0.5	22 - 20	TXL 142	HT45002539-5	624 1539
15491296	15491296	Yasaki Kaizen 0.64 Microsystem	Male	0.35 - 0.5	22 - 20	TXL 142	HT45002539-5	624 1539
15496301	12191811	GT 150 Unsealed	Female	0.35 - 0.5	22 - 20	TXL 142	HT11502487-5	624 1487
15496302	12191812	GT 150 Unsealed	Female	0.8 - 1	18 - 16	TXL 142	HT11502487-5	624 1487
15497764	15304702	GT 150 Unsealed	Male	0.8 - 1	18 - 16	TXL 142	HT11502487-5	624 1487
153044702	15304702	GT 150 Unsealed	Male	0.8 - 1	18 - 16	TXL 142	HT11502487-5	624 1487
153047720	15304720	GT 280 Sealed	Female	3	12	TXL 142	HT12812492-5	624 1492
PE075702	15356827	Micro 64 Unsealed	Female	0.5 - 0.8	20-18	TXL 142	HT46400545-5	624 1545
PE075782	15356827	Micro 64 Unsealed	Female	0.5 - 0.8	20-18	TXL 142	HT46400545-5	624 1545