

CONNECTORS

TWO PIECE LINE TAP INSTALLATION GUIDE



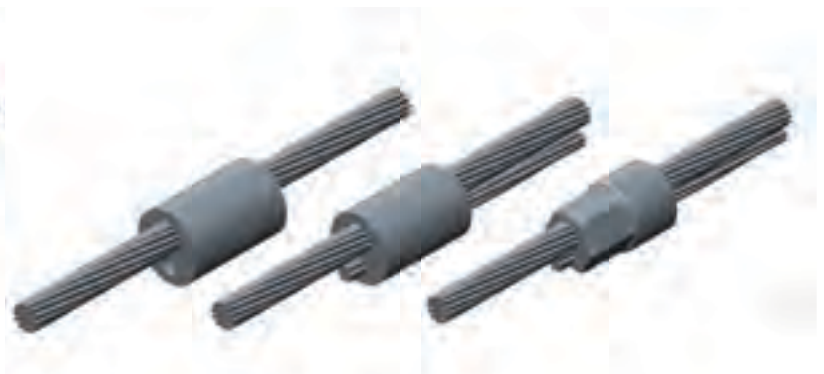
1. Ensure you have the correct size of die, a suitable compression tool and EP Joint Seal and EP Uni-Seal jointing compounds. If the cable is insulated, strip the insulation off the ends of the conductors. The exposed strands of the cable should allow for 10%-15% elongation of the connector once compressed.



2. Use a stainless steel wire brush to remove the oxide layer from the outermost cable strands. Never use the same brush for cleaning the aluminium and copper cable strands. Slide the two piece line tap onto the mainline conductor.



3. Push the female part of the connector into the male part of the connector.



4. Once the male and female ends of the connector are flush, insert the copper or aluminium tap conductor. Compress the connector working from one end to the other. The "bites" of the die should be overlapped by at least 10mm. It is important that you do not leave any gaps between bites of the die.



5. Once fully compressed, remove any die flashing or sharp edges with a file. If the cable is insulated, apply a heatshrink or tape insulation system to electrically insulate the cable connection. It is best practice to insulate the connector with a tape insulation system after installation.

CONNECTORS

TWO PIECE LINE TAP - EP



For Joining Aluminium and Copper Conductors

- Manufactured from high conductivity aluminium extrusion
- EP line taps permit taps to be taken from LV underground aluminium conductors
- Or taps to be taken from LV or MV overhead AAC, ACSR and AAAC aluminium conductors
- Taps can be aluminium AAC, ACSR, AAAC or metric aluminium overhead conductors
- Or taps can be stranded metric/imperial copper or aluminium conductors
- Reliable and easy to install without the need to cut the mainline conductor
- Different lengths of line tap connector allow one or two taps to be taken from a main conductor
- Always install a line tap with jointing compound
 - EP Uni-Seal (grey) for aluminium cable(s)
 - EP Joint Seal (white) for copper cable(s)
- Install EP line taps with a hydraulic compression tool and CDA series compression dies
- Always insulate the line tap connection to seal it after installation.
- For complete installation instructions refer to page 172

CONNECTORS

TWO PIECE LINE TAP SELECTION CHART - AAC CONDUCTORS

MAIN CONDUCTOR SIZE

	Named Conductor and/or Stranding		7/1.35	-	-	-	NAMU 7/2.11	-	GNAT 7/2.21
Named Conductor and/or Stranding	Diameter (mm)		4.05	5.10	5.59	6.10	6.32	6.42	6.63
	Nearest Imperial OD (mm)		7/052 3.96	7/064 4.88	19/044 5.59	7/080 6.10	7/083 6.33	-	19/052 6.60
(Nearest Imperial)	Diameter (mm)	mm ² /Stranding	-	16 7/1.70	-	-	-	25 7/2.15	-
NAMU 7/2.11	6.32	-	EP0.00 L25 395001/396556	EP0.10 L25 395002/397067	EP0.20 L25	EP0.30 L25	EP0.40 L25 395003/395232/ 387342	EP0.50 L38 386329/397068	
				EP0.10L L38 395010			EP0.40L L38 395177		
				EP0.10L L40 399615					
-	6.42	25 7/2.15	EP0.00 L25 395001/396556	EP0.10 L25 395002/397067	EP0.20 L25	EP0.30 L25	EP0.40 L25 395003/395232/ 387342	EP0.50 L38 386329/397068	
				EP0.10L L38 395010			EP0.40L L38 395177		
				EP0.10L L40 399615					
GNAT 7/2.21	6.63	-	EP0.00 L25 395001/396556	EP0.10 L25 395002/397067	EP0.20 L25	EP0.30 L25	EP0.40 L25 395003/395232/ 387342	EP0.50 L38 386329/397068	EP0.50 L38 386329/397068
				EP0.10L L38 395010			EP0.40L L38 395177		
				EP0.10L L40 399615					
POKO 7/2.36	7.09	-	EP0.01 L25 386329	EP0.11 L25 397073	EP0.21 L25	EP0.31 L25	EP0.41 L25 399383	EP0.51 L38 397074	EP0.51 L38 397074
APHIS 3/3.35	7.21	-	EP0.01 L25 386329	EP0.11 L25 397073	EP0.21 L25	EP0.31 L25	EP0.41 L25 399383	EP0.51 L38 397074	EP0.51 L38 397074
MOSQUITO 7/2.59	7.77	35 19/1.53	EP0.02 L38	EP0.12 L38 300036/399921 399616	EP0.22 L38	EP0.32 L38	EP0.42 L38	EP0.52 L38 399607	EP0.52 L38 399607
WEEVIL 3/3.66	7.85	-	EP0.02 L38	EP0.12 L38 300036/399921 399616	EP0.22 L38	EP0.32 L38	EP0.42 L38	EP0.52 L38 399607	EP0.52 L38 399607
LADYBIRD 7/2.79	8.38	-	EP0.03 L38	EP0.13 L38 399537	EP0.23 L38	EP0.33 L38	EP0.43 L38	EP0.53 L38	EP0.53 L38
KUTU 7/3.00	9.00	50 19/1.78	EP1.00 L25 395009	EP1.10 L25	EP1.20 L25 399562	EP1.30 L25	EP1.40 L25 395005/395231	EP1.50 L38 397070	EP1.50 L38 397070
				EP1.10L L38 395011/399562			EP1.40L L38 395012		
				EP1.10L L50 381585					
ANT 7/3.10	9.30	-	EP1.00 L25 395009	EP1.10 L25	EP1.20 L25 399562	EP1.30 L25	EP1.40 L25 395005/395231	EP1.50 L38 397070	EP1.50 L38 397070
				EP1.10L L38 395011/399562			EP1.40L L38 395012		
				EP1.10L L50 381585					
FLY 7/3.40	10.21	-	EP1.01 L25	EP1.11 L25	EP1.21 L25	EP1.31 L25 386861	EP1.41 L25	EP1.51 L25	EP1.51 L25
RANGO 7/3.66	10.97	70 19/2.14	EP1.02 L38	EP1.12 L38 385678	EP1.22 L38	EP1.32 L38	EP1.42 L38	EP1.52 L38 386898	EP1.52 L38 386898
				EP1.12L L50 386287/386562					
				EP2.100 L38 395007/395558	EP2.200 L38	EP2.300 L38	EP2.400 L38 395062	EP2.500 L38 386859	EP2.500 L38 386859
EARWIG 7/3.78	11.35	-	EP2.001 L38	EP2.101 L38					
				EP2.102 L38					
				EP2.100L L64					
GRASSHOPPER 7/3.91	11.73	-	EP2.002 L38	EP2.102 L38	EP2.202 L38	EP2.302 L38	EP2.402 L38	EP2.502 L38	EP2.502 L38
MOKO 7/4.09	12.27	-	EP2.003 L38 395165	EP2.103 L38 395000	EP2.203 L38	EP2.303 L38	EP2.403 L38 395168	EP2.503 L38	EP2.503 L38
CLEGG 7/4.17	12.50	95 19/2.52	EP2.004 L38	EP2.104 L38 385915	EP2.204 L38	EP2.304 L38	EP2.404 L38	EP2.504 L38 385995	EP2.504 L38 385995
WASP 7/4.39	13.18	-	EP2.005 L38	EP2.105 L38 387660	EP2.205 L38	EP2.305 L38	EP2.405 L38	EP2.505 L38	EP2.505 L38
BEETLE 19/2.67	13.34	-	EP2.006 L38	EP2.106 L38 386256	EP2.206 L38	EP2.306 L38 386561/386643	EP2.406 L38	EP2.506 L38 397077/388029	EP2.506 L38 397077/388029
WEKE 7/4.72	14.17	120 37/2.03	EP3.00 L50	EP3.10 L50 395181/397080	EP3.20 L50	EP3.30 L50 386920	EP3.40 L50 395013	EP3.50 L65 386288/388007	EP3.50 L65 386288/388007
BEE 7/4.90	14.71	-	EP3.01 L50	EP3.11 L50 399748	EP3.21 L50	EP3.31 L50	EP3.41 L50	EP3.51 L65 386626	EP3.51 L65 386626
WAXWING 19/3.10	15.49	-	EP3.02 L65	EP3.12 L65	EP3.22 L65	EP3.32 L65	EP3.42 L65	EP4.501 L45	EP4.501 L45
CRICKET 7/5.36	16.08	-	EP4.003 L38	EP4.103 L38 395016	EP4.203 L38	EP4.303 L38	EP4.403 L38 395017	EP4.503 L45	EP4.503 L45
HORNET 19/3.25	16.26	-	EP4.003 L38	EP4.103 L38 395016	EP4.203 L38	EP4.303 L38	EP4.403 L38 395017	EP4.503 L45	EP4.503 L45
WETA 19/3.35	16.76	-	EP4.005 L45	EP4.105 L45 395182/396564	EP4.205 L45	EP4.305 L45	EP4.405 L45 395008	EP4.505 L50 397041	EP4.505 L50 397041
CATERPILLAR 19/3.53	17.65	185 37/2.52	EP4.006 L50	EP4.106 L50 388296/386919	EP4.206 L51	EP4.306 L51	EP4.406 L51	EP4.506 L50 385553	EP4.506 L50 385553
							EP4.406L L65 395514	EP4.506L L85 386359	
CHAFER 19/3.78	18.92	-	EP4.008 L50	EP4.108 L50	EP4.208 L50	EP4.308 L50	EP4.408 L50	EP4.508 L50	EP4.508 L50
MATA 19/3.86	19.30	-	EP4.009 L50	EP4.109 L50	EP4.209 L50	EP4.309 L50	EP4.409 L50	EP4.509 L50	EP4.509 L50
SPIDER 19/3.99	19.94	240 61/2.25	EP4.010 L50	EP4.110 L50	EP4.210 L50	EP4.310 L50	EP4.410 L50 399377		
COCKROACH 19/4.22	21.08	-	EP4.011 L50	EP4.111 L50 395019/395021/ 395020					
BUTTERFLY 19/4.65	23.24	300 61/2.52	EP4.012 L51						

CONNECTORS

TWO PIECE LINE TAP SELECTION CHART - AAC CONDUCTORS

POKO 7/2.36	APHIS 3/3.35	MOSQUITO 7/2.59	WEEVIL 3/3.66	-	LADYBIRD 7/2.79	KUTU 7/3.00	ANT 7/3.10	FLY 7/3.40	-	RANGO 7/3.66
7.09	7.21	7.77 7.65	7.85	-	8.38	8.99 8.90	9.30	10.21	10.70	10.97
-	-	-	-	19/064 8.13	-	-	-	-	19/083 10.54	-
-	-	35 19/1.53	-	-	-	50 19/1.78	-	-	70 19/2.14	-
EP0.61 L38 397072										
EP0.61 L38 397072										
EP0.62 L38 386354										
EP0.62 L38 386354										
EP0.63 L38										
EP1.60 L38 386355	EP1.70 L38 386006		EP1.90L L65 395061		EP1.110L L65 395178/395230					
EP1.60 L38 386355						EP1-2.5L				
EP1.61 L38 399836										
EP1.62 L38										
EP2.600 L38	EP2.700 L38	EP2.800 L38 396560	EP2.900 L50 387238/395164	EP2.1000 L50	EP2.1100 L50 395162/395163	EP2.1200 L50				
EP2.601 L38	EP2.701 L38	EP2.801 L38	EP2.901 L50	EP2.1001 L50	EP2.1101 L50	EP2.1201 L50				
EP2.602 L38	EP2.702 L38	EP2.802 L38	EP2.902 L50	EP2.1002 L50	EP2.1102 L50	EP2.1202 L50				
EP2.603 L38 386353	EP2.703 L38	EP2.803 L38 386351	EP2.903 L50	EP2.1003 L50	EP2.1103 L50 395169/386352					
EP2.604 L38	EP2.704 L50	EP2.804 L50 399792/399611	EP2.904 L50							
EP2.605 L51	EP2.705 L51	EP2.805 L51	EP2.905 L51							
EP2.606 L51	EP2.706 L51	EP2.806 L50 385552	EP2.906 L50		EP2.1106 L50 399324					
EP3.60 L65 387861	EP3.70 L65	EP3.80 L65 395064	EP3.90 L65 386921	EP4.1000 L50	EP4.1100 L50 395014/397078	EP4.1200 L50	EP4.1300 L50	EP4.1400 L50 395015 EP4.1400L L65 397083	EP4.1500 L50 397079/386853	
EP3.61 L65 399517	EP3.71 L65	EP3.81 L65 396562	EP4.900 L50	EP4.1000 L50	EP4.1100 L50 395014/397078	EP4.1200 L50	EP4.1300 L50	EP4.1400 L50 395015 EP4.1400L L65 397083	EP4.1500 L50 397079/386853	
EP4.601 L45	EP4.701 L45	EP4.801 L45	EP4.901 L50	EP4.1001 L50	EP4.1101 L50	EP4.1201 L50	EP4.1301 L50	EP4.1401 L50	EP4.1501 L50	
EP4.603 L45	EP4.703 L51	EP4.803 L51	EP4.903 L51	EP4.1003 L51	EP4.1103 L50 395018					
EP4.603 L45	EP4.703 L51	EP4.803 L51	EP4.903 L51	EP4.1003 L51	EP4.1103 L50 395018					
EP4.605 L50	EP4.705 L50	EP4.805 L50 396566	EP4.905 L51	EP4.1005 L51	EP4.1105 L50 395170/397042/ 399613	EP4.1205 L50		EP4.1405 L51 395597		
EP4.606 L50	EP4.706 L50	EP4.806 L50 395515	EP4.906 L50	EP4.1006 SPECIAL				EP4.1406 L50 385654		
EP4.608 L50			EP4.907 L50		EP4.1007 L50				EP4.1508 L50	
EP4.609 L50									EP4.1509 L50	

CONNECTORS

TWO PIECE LINE TAP SELECTION CHART - ACSR CONDUCTORS

MAIN CONDUCTOR SIZE

			TAP CONDUCTOR SIZE								
			Named Conductor and/or Stranding		7/1.35	-	-	-	NAMU 7/2.11	-	GNAT 7/2.21
Named Conductor and/or Stranding			Diameter (mm)		4.05	5.10	5.59	6.10	6.32	6.42	6.63
			Nearest Imperial OD (mm)		7/.052 3.96	7/.064 4.88	19/.044 5.59	7/.080 6.10	7/.083 6.33	-	19/.052 6.60
(Nearest Imperial)			Diameter (mm)	mm ² /Stranding	-	16 7/1.70	-	-	-	25 7/2.15	-
SQUIRREL	6/2.11	6.32	-	EP0.00 L25 395001/396556	EP0.10 L25 395002/397067	EP0.20 L25	EP0.30 L25	EP0.40 L25 395003/395232/ 387342			
					EP0.10L L38 395010			EP0.40L L38 395177			
					EP0.10L L40 399615						
-		6.42	25 7/2.15	EP0.00 L25 395001/396556	EP0.10 L25 395002/397067	EP0.20 L25	EP0.30 L25	EP0.40 L25 395003/395232/ 387342	EP0.50 L38 386329/397068		
					EP0.10L L38 395010			EP0.40L L38 395177			
					EP0.10L L40 399615						
GOPHER	6/2.36	7.09	-	EP0.01 L25 386329	EP0.11 L25 397073	EP0.21 L25	EP0.31 L25	EP0.41 L25 399383	EP0.51 L38 397074	EP0.51 L38 397074	
FERRET	6/3.00	9.00	50 19/1.78	EP1.00 L25 395009	EP1.10 I25	EP1.20 L25 399562	EP1.30 L25	EP1.40 L25 395005/395231	EP1.50 L38 397070	EP1.50 L38 397070	
					EP1.10L L38 395011/399562			EP1.40L L38 395012			
					EP1.10L L50 381585						
-		70 19/2.14	EP1.02 L38		EP1.12 L38 385678	EP1.22 L38	EP1.32 L38	EP1.42 L38	EP1.52 L38 386898	EP1.52 L38 386898	
					EP1.12L L50 386287/386562						
MINK	6/3.66	10.97	-	EP2.000 L38 395006	EP2.100 L38 395007/396558	EP2.200 L38	EP2.300 L38	EP2.400 L38 395062	EP2.500 L38 386859	EP2.500 L38 386859	
					EP2.100L L64						
RACCOON	6/4.09	12.27	-	EP2.003 L38 395165	EP2.103 L38 395000	EP2.203 L38	EP2.303 L38	EP2.403 L38 395168	EP2.503 L38	EP2.503 L38	
DOG	6/4.72	14.17	120 37/2.03	EP3.00 L50	EP3.10 L50 395181/397080	EP3.20 L50	EP3.30 L50 386920	EP3.40 L50 395013	EP3.50 L65 386288/388007	EP3.50 L65 386288/388007	
WAXWING	19/3.10	15.49	-	EP3.02 L65	EP3.12 L65	EP3.22 L65	EP3.32 L65	EP3.42 L65	EP4.501 L45	EP4.501 L45	
COYOTE	26/2.54 - 7/1.91	15.88	150 37/2.25	EP4.002 L38	EP4.102 L38	EP4.202 L38	EP4.302 L38	EP4.402 L38	EP4.502 L45 399612	EP4.502 L45 399612	
TIGER	37/2.36	16.54	-	EP4.004 L38	EP4.104 L38	EP4.204 L38	EP4.304 L38	EP4.404 L38	EP4.504 L45	EP4.504 L45	
CATERPILLAR	19/3.53	17.65	185 37/2.52	EP4.006 L50	EP4.106 L50 388296/386919	EP4.206 L51	EP4.306 L51	EP4.406 L51	EP4.506 L50 385553	EP4.506 L50 385553	
								EP4.406L L65 395514	EP4.506L L85 386359		
MATA	19/3.86	19.30	-	EP4.009 L50	EP4.109 L50	EP4.209 L50	EP4.309 L50	EP4.409 L50	EP4.509 L50	EP4.509 L50	

CONNECTORS

TWO PIECE LINE TAP SELECTION CHART - ACSR CONDUCTORS

TAP CONDUCTOR SIZE

POKO 7/2.36	APHIS 3/3.35	MOSQUITO 7/2.59	WEEVIL 3/3.66	-	LADYBIRD 7/2.79	KUTU 7/3.00	ANT 7/3.10	FLY 7/3.40	-	RANGO 7/3.66
7.09	7.21	7.77 7.65	7.85	-	8.38	8.99 8.90	9.30	10.21	10.70	10.97
-	-	-	-	19/064 8.13	-	-	-	-	19/083 10.54	-
-	-	35 19/1.53	-	-	-	50 19/1.78	-	-	70 19/2.14	-
EP0.61 L38 397072										
EP1.60 L38 386355	EP1.70 L38 386006		EP1.90L L65 395061		EP1.110L L65 395178/395230					
EP1.62 L38										
EP2.600 L38	EP2.700 L38	EP2.800 L38 396560	EP2.900 L50 387238/395164	EP2.1000 L50	EP2.1100 L50 395162/395163	EP2.1200 L50				
EP2.603 L38 386353	EP2.703 L38	EP2.803 L38 386351	EP2.903 L50	EP2.1003 L50	EP2.1103 L50 395169/386352					
EP3.60 L65 387661	EP3.70 L65	EP3.80 L65 395064	EP3.90 L65 386921	EP4.1000 L50	EP4.1100 L50 395014/397078	EP4.1200 L50	EP4.1300 L50	EP4.1400 L50 395015 EP4.1400L L65 397083	EP4.1500 L50 397079/386853	
EP4.601 L45	EP4.701 L45	EP4.801 L45	EP4.901 L50	EP4.1001 L50	EP4.1101 L50	EP4.1201 L50	EP4.1301 L50	EP4.1401 L50	EP4.1501 L50	
EP4.602 L45	EP4.702 L45	EP4.802 L45	EP4.902 L50	EP4.1002 L50	EP4.1102 L50	EP4.1202 L50	EP4.1302 L50	EP4.1402 L50	EP4.1502 L50 399614	
EP4.604 L45	EP4.704 L51	EP4.804 L51	EP4.904 L51	EP4.1004 L51	EP4.1104 L51					
EP4.606 L50	EP4.706 L50	EP4.806 L50 395515	EP4.906 L50	EP4.1006 SPECIAL				EP4.1406 L50 385654		
EP4.609 L50									EP4.1509 L50	

CONNECTORS

TWO PIECE LINE TAP SELECTION CHART - AAAC CONDUCTORS

MAIN CONDUCTOR SIZE

		TAP CONDUCTOR SIZE								
		Named Conductor and/or Stranding		7/1.35	-	-	-	NAMU 7/2.11	-	GNAT 7/2.21
Named Conductor and/or Stranding		Diameter (mm)		4.05	5.10	5.59	6.10	6.32	6.42	6.63
		Nearest Imperial OD (mm)		7/052 3.96	7/064 4.88	19/044 5.59	7/080 6.10	7/083 6.33	-	19/052 6.60
(Nearest Imperial)		Diameter (mm)	mm ² /Stranding	-	16 7/1.70	-	-	-	25 7/2.15	-
ARGON	7/1.75	5.25								
BORON	7/2.25	6.75	-	EP0.00 L25 395001/396556	EP0.10 L25 395002/397067	EP0.20 L25	EP0.30 L25	EP0.40 L25 395003/395232/387342	EP0.50 L38 386329/397068	EP0.50 L38 386329/397068
					EP0.10L L38 395010			EP0.40L L38 395177		
					EP0.10L L40 399615					
CHLORINE	7/2.50	7.50								
CHROMIUM	7/2.50	8.25								
FLUORINE	7/3.00	9.00	50 19/1.78	EP1.00 L25 395009	EP1.10 L25	EP1.20 L25 399562	EP1.30 L25	EP1.40 L25 395005/395231	EP1.50 L38 397070	EP1.50 L38 397070
					EP1.10L L38 395011/399562			EP1.40L L38 395012		
					EP1.10L L50 381585					
HELIUM	7/3.75	11.30	-	EP2.000 L38 395006	EP2.100 L38 395007/396558	EP2.200 L38	EP2.300 L38	EP2.400 L38 395062	EP2.500 L38 386859	EP2.500 L38 386859
					EP2.100L L64					
HYDROGEN	7/4.50	13.50								
IODINE	7/4.75	14.30	120 37/2.03	EP3.00 L50	EP3.10 L50 395181/397080	EP3.20 L50	EP3.30 L50 386920	EP3.40 L50 395013	EP3.50 L65 386288/388007	EP3.50 L65 386288/388007
KRYPTON	19/3.25	16.30	-	EP4.003 L38	EP4.103 L38 395016	EP4.203 L38	EP4.303 L38	EP4.403 L38 395017	EP4.503 L45	EP4.503 L45
LUTETIUM	19/3.50	17.50	185 37/2.52	EP4.006 L50	EP4.106 L50 386296/386919	EP4.206 L51	EP4.306 L51	EP4.406 L51	EP4.506 L50 385553	EP4.506 L50 385553
								EP4.406L L65 395514	EP4.506L L85 386359	
NEON	19/3.75	18.80								
NITROGEN	37/3.00	21.00	-	EP4.011 L50	EP4.111 L50 395019/395021/395020					
NOBELIUM	37/3.25	22.80								

CONNECTORS

TWO PIECE LINE TAP SELECTION CHART - AAAC CONDUCTORS

TAP CONDUCTOR SIZE

POKO 7/2.36	APHIS 3/3.35	MOSQUITO 7/2.59	WEEVIL 3/3.66	-	LADYBIRD 7/2.79	KUTU 7/3.00	ANT 7/3.10	FLY 7/3.40	-	RANGO 7/3.66
7.09	7.21	7.77 7.65	7.85	-	8.38	8.99 8.90	9.30	10.21	10.70	10.97
-	-	-	-	19/064 8.13	-	-	-	-	19/083 10.54	-
-	-	35 19/1.53	-	-	-	50 19/1.78	-	-	70 19/2.14	-
EP1.60 L38 386355	EP1.70 L38 386006		EP1.90L L65 395061		EP1.110L L65 395178/395230					
EP2.600 L38	EP2.700 L38	EP2.800 L38 396560	EP2.900 L50 387238/395164	EP2.1000 L50	EP2.1100 L50 395162/395163	EP2.1200 L50				
EP3.60 L65 387661	EP3.70 L65	EP3.80 L65 395064	EP3.90 L65 386921	EP4.1000 L50	EP4.1100 L50 395014/397078	EP4.1200 L50	EP4.1300 L50	EP4.1400 L50 395015	EP4.1500 L50 397079/386853	
								EP4.1400L L65 397083		
EP4.603 L45	EP4.703 L51	EP4.803 L51	EP4.903 L51	EP4.1003 L51	EP4.1103 L50 395018					
EP4.606 L50	EP4.706 L50	EP4.806 L50 395515	EP4.906 L50	EP4.1006 SPECIAL				EP4.1406 L50 385654		