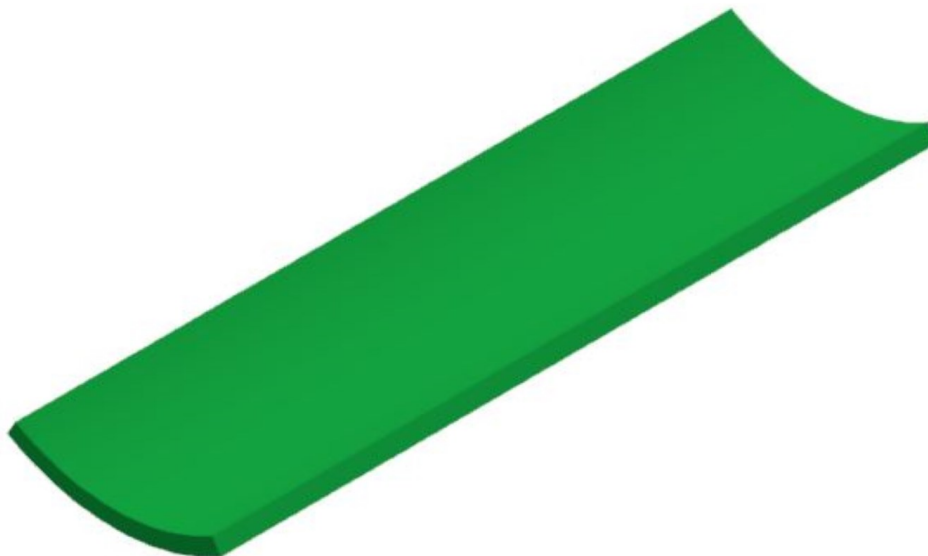
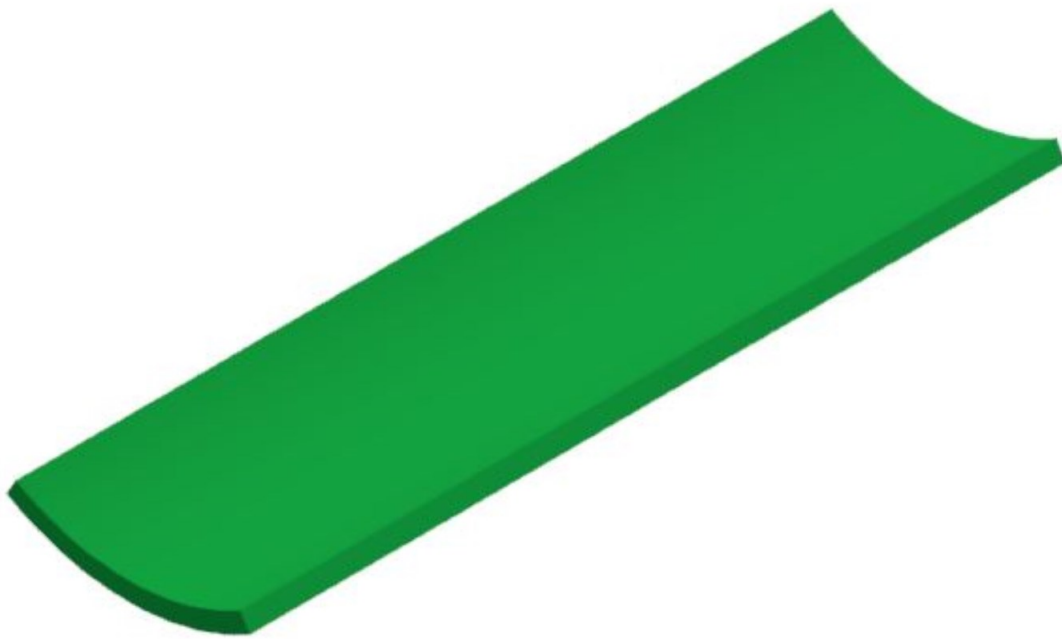




WEAR PADS





Carpenter and Paterson (Asia) Limited offer a complete range of wear pads for industrial pipework.

The use of wear pads to isolate pipework from the support structure can improve safety and result in large savings in maintenance costs.

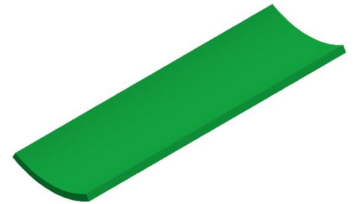
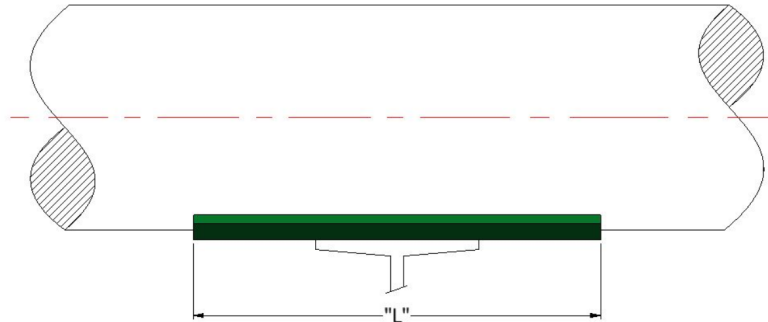
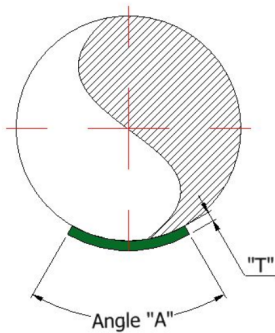
Benefits from using wear pads include the following:

- Avoids wear to the pipe coating or pipe wall due to movement of the pipe. Potentially dangerous thinning of the pipe wall is avoided.
- Avoids any dissimilar metal contact.
- Minimizes maintenance and operational costs.
- Low installation costs – welding is not required.

Technical Information

- Fibre-epoxy composite construction.
- Suitable for temperature range -196°C to 200°C .
- Can be manufactured to suit any size of pipe.
- Standard part numbers to suit steel and ductile iron pipes.
- Included angle up to 180 degrees around the pipe.
- Wear pad inside diameter is pre-roughened to provide exceptionally high bonding strength between wear pad and pipe.
- Install using EX-100 Epoxy system
- Required installation accessories: Epoxy adhesive, mixing nozzle, dual epoxy applicator.

WEAR PAD FOR STEEL PIPE



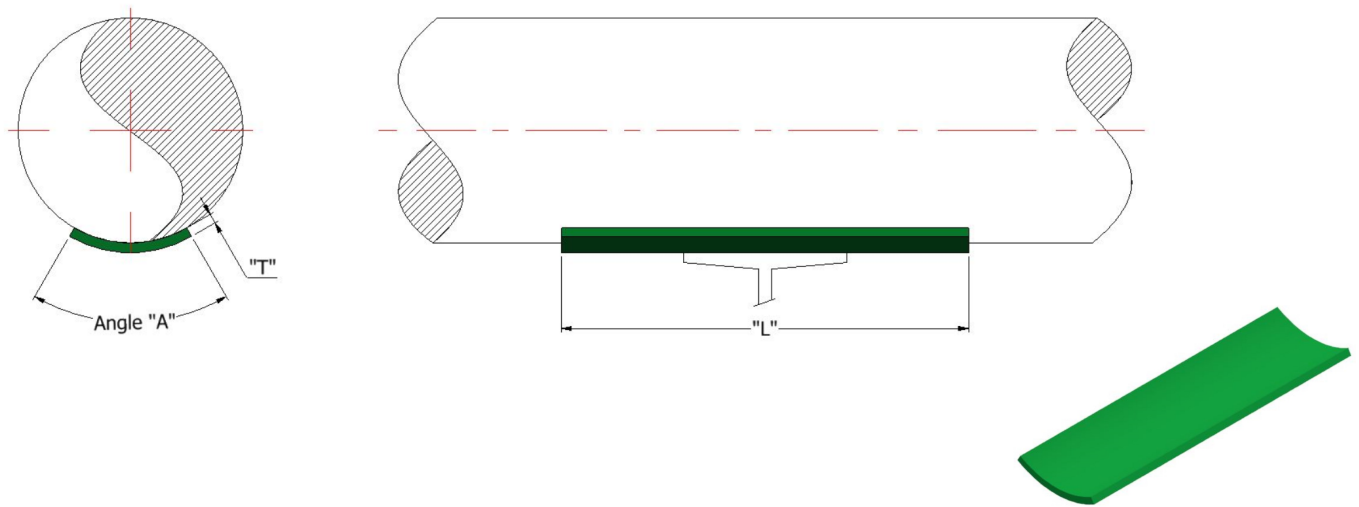
Wear Pads for Steel Pipe

Designation: WPST - Pipe Size (mm) - Thickness - Length - Angle

Example: WPST-250-6-300-90

Part No.	Pipe Size	O/D	O/D		Allowable Loading	Standard Thicknesses T (mm)										Standard Angle A (Degrees)					Standard Lengths L (mm)							
	in	mm	in	mm		kg/100mm	3	4	5	6	8	10	12	15	20	25	30	60	90	120	180	150	200	250	300	400	500	600
WPST-15	0.5	15	0.84	21.3	2300	X	X	X	X	X	X	-	-	-	-	-	-	-	X	X	X	X	X	X	-	-	-	-
WPST-20	0.75	20	1.05	26.7	2800	X	X	X	X	X	X	-	-	-	-	-	-	-	X	X	X	X	X	X	-	-	-	-
WPST-25	1	25	1.315	33.4	3400	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X	X	X	X	X	X	-	-	-
WPST-32	1.25	32	1.66	42.2	4100	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X	X	X	X	X	X	-	-	-
WPST-40	1.5	40	1.9	48.3	4600	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	X	-	-	-
WPST-50	2	50	2.375	60.3	5700	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-
WPST-65	2.5	65	2.875	73	6800	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-
WPST-80	3	80	3.5	88.9	8200	X	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X	X	X	X	X	X	-	-
WPST-100	4	100	4.5	114.3	10400	X	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X	X	X	X	X	X	-	-
WPST-150	6	150	6.625	168.3	15200	-	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X	X	X	X	X	X	X	-
WPST-200	8	200	8.625	219.1	19600	-	X	X	X	X	X	X	X	X	X	-	-	X	X	X	X	X	X	X	X	X	X	-
WPST-250	10	250	10.75	273	22800	-	-	X	X	X	X	X	X	X	X	-	-	X	X	X	X	-	X	X	X	X	X	-
WPST-300	12	300	12.75	323.9	25500	-	-	X	X	X	X	X	X	X	X	-	-	X	X	X	X	-	X	X	X	X	X	X
WPST-350	14	350	14	355.6	27100	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X	X
WPST-400	16	400	16	406.4	29600	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X	X
WPST-450	18	450	18	457.2	32100	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X	X
WPST-500	20	500	20	508	34500	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X	X
WPST-550	22	550	22	558.8	36700	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X	X
WPST-600	24	600	24	609.6	38900	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X	X
WPST-650	26	650	26	660.4	41200	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-700	28	700	28	711.2	43300	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-750	30	750	30	762	45300	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-800	32	800	32	812.8	47300	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-850	34	850	34	863.6	49400	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-900	36	900	36	914.4	51400	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-950	38	950	38	965.2	53200	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-1000	40	1000	40	1016	55100	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-1050	42	1050	42	1066.8	57100	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-1100	44	1100	44	1117.6	58800	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-1150	46	1150	46	1168.4	60600	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-1200	48	1200	48	1219.2	62400	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X
WPST-1250	50	1250	50	1270	64100	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1300	52	1300	52	1320.8	65800	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1350	54	1350	54	1371.6	67500	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1400	56	1400	56	1422.4	69100	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1450	58	1450	58	1473.2	70800	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1500	60	1500	60	1524	72400	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1550	62	1550	62	1574.8	74200	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1600	64	1600	64	1625.6	75800	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1650	66	1650	66	1676.4	77400	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1750	70	1750	70	1778	80500	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1800	72	1800	72	1828.8	82000	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-1850	74	1850	74	1879.6	83500	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-2000	80	2000	80	2032	88000	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X
WPST-2050	82	2050	82	2082.8	89500	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X	X

WEAR PAD FOR CAST IRON & DUCTILE IRON PIPE



Wear Pads for Cast Iron & Ductile Iron Pipe - Centrifugally Cast (North American Standard)

Designation: WPIU - Pipe Size (in) - Thickness - Length - Angle

Example: WPIU-10"-6-300-90

Part No.	Pipe Size		O/D	Allowable Loading	Standard Thicknesses T (mm)										Standard Angle A (Degrees)					Standard Lengths L (mm)							
	in	in			kg/100mm	3	4	5	6	8	10	12	15	20	25	30	60	90	120	180	150	200	250	300	400	500	600
WPIU-3"	3	3.96	100.6	9200	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X	X	X	X	-	-
WPIU-4"	4	4.80	121.9	11000	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X	X	X	X	-	-
WPIU-6"	6	6.90	175.3	15800	-	X	X	X	X	X	X	X	X	X	X	-	-	X	X	X	X	X	X	X	X	X	-
WPIU-8"	8	9.05	229.9	20200	-	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X	X	X	X	-
WPIU-10"	10	11.10	281.9	23300	-	-	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	X	X	X	X	X	-
WPIU-12"	12	13.20	335.3	26100	-	-	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	X	X	X	X	X	X
WPIU-14"	14	15.30	388.6	28700	-	-	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-	X	X	X	X	X
WPIU-16"	16	17.40	442.0	31300	-	-	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-	X	X	X	X	X
WPIU-18"	18	19.50	495.3	33900	-	-	-	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-	X	X	X	X	X
WPIU-20"	20	21.60	548.6	36300	-	-	-	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-	-	X	X	X	X
WPIU-24"	24	25.80	655.3	40800	-	-	-	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-	-	X	X	X	X
WPIU-30"	30	32.00	812.8	47300	-	-	-	-	X	X	X	X	X	X	X	-	X	X	X	X	-	-	-	-	X	X	X
WPIU-36"	36	38.30	972.8	53500	-	-	-	-	-	X	X	X	X	X	X	-	X	X	X	X	-	-	-	-	X	X	X
WPIU-42"	42	44.50	1130.3	59300	-	-	-	-	-	-	X	X	X	X	X	-	X	X	X	-	-	-	-	-	X	X	X
WPIU-48"	48	50.80	1290.3	64800	-	-	-	-	-	-	-	X	X	X	X	-	X	X	X	-	-	-	-	-	X	X	X

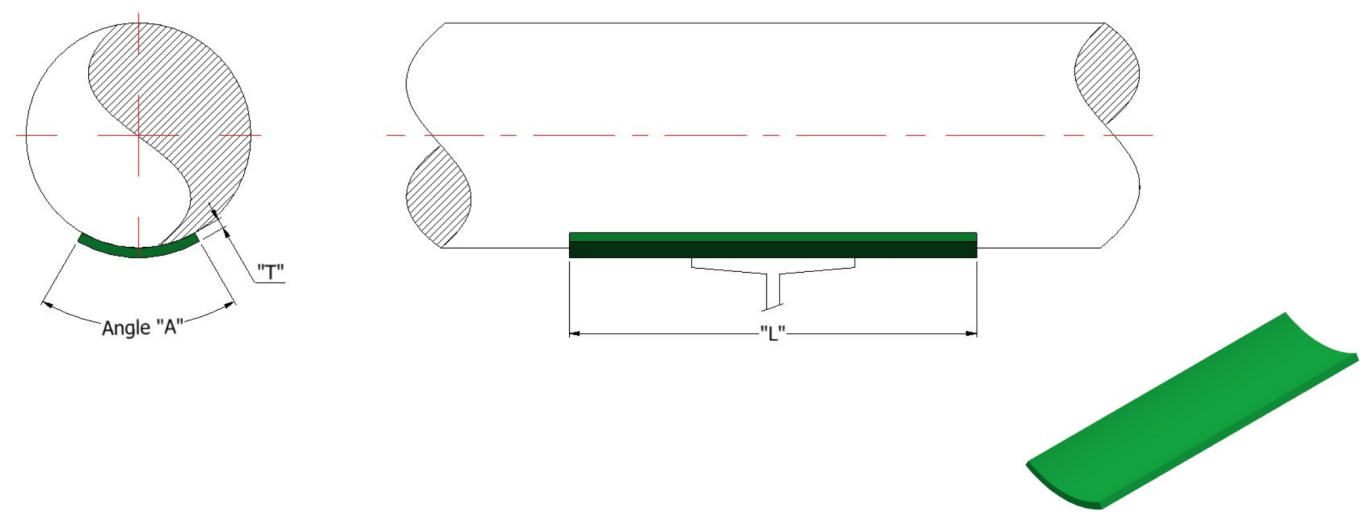
Wear Pads for Ductile Iron Pipe - Centrifugally Cast (Australia & New Zealand Standard)

Designation: WPIA - Pipe Size (mm) - Thickness - Lengths - Angle

Example: WPIA-250-6-300-90

Part No.	Pipe Size		O/D	Allowable Loading	Standard Thicknesses T (mm)										Standard Angle A (Degrees)					Standard Lengths L (mm)							
	mm	mm			kg/100mm	3	4	5	6	8	10	12	15	20	25	30	60	90	120	180	150	200	250	300	400	500	600
WPIA-100	100	122	11000	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X	X	X	X	-	-
WPIA-150	150	177	16000	-	X	X	X	X	X	X	X	X	X	X	X	-	-	X	X	X	X	X	X	X	X	X	-
WPIA-200	200	232	20300	-	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	X	X	X	X	X	-
WPIA-225	225	259	22000	-	-	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	X	X	X	X	X	-
WPIA-250	250	286	23500	-	-	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	X	X	X	X	X	-
WPIA-300	300	345	26600	-	-	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	X	X	X	X	X	X
WPIA-375	375	426	30600	-	-	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-	-	X	X	X	X
WPIA-450	450	507	34400	-	-	-	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-	-	X	X	X	X
WPIA-500	500	560	36800	-	-	-	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-	-	-	X	X	X
WPIA-600	600	667	41300	-	-	-	X	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-	-	-	X	X	X
WPIA-750	750	826	47800	-	-	-	-	X	X	X	X	X	X	X	X	-	X	X	X	X	-	-	-	-	X	X	X

WEAR PAD FOR DUCTILE IRON PIPE



Wear Pads for Ductile Iron Pipe - Centrifugally Cast (European Standard)

Designation: WPIE - Pipe Size (mm) - Thickness - Length - Angle

Example: WPIE-250-6-300-90

Part No.	Pipe Size	O/D	Allowable Loading	Standard Thicknesses T (mm)												Standard Angle A (Degrees)						Standard Lengths L (mm)							
	mm	mm	kg/100mm	3	4	5	6	8	10	12	15	20	25	30	60	90	120	180	150	200	250	300	400	500	600				
WPIE-40	40	56	5300	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X	X	X	X	X	-	-	-				
WPIE-50	50	66	6200	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X	X	X	X	X	X	-	-				
WPIE-60	60	77	7100	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X	X	X	X	X	X	-	-				
WPIE-65	65	82	7600	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X	X	X	X	X	X	-	-				
WPIE-80	80	98	8900	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X	X	X	X	X	-	-				
WPIE-100	100	118	10700	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X	X	X	X	X	-	-				
WPIE-125	125	144	13100	-	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X	X	X	X	X	X	-				
WPIE-150	150	170	15300	-	X	X	X	X	X	X	X	X	-	-	X	X	X	X	X	X	X	X	X	X	-				
WPIE-200	200	222	19800	-	X	X	X	X	X	X	X	X	-	-	X	X	X	X	X	X	X	X	X	X	-				
WPIE-250	250	274	22800	-	-	X	X	X	X	X	X	X	-	-	X	X	X	X	X	-	X	X	X	X	-				
WPIE-300	300	326	25600	-	-	X	X	X	X	X	X	X	-	-	X	X	X	X	X	-	X	X	X	X	X				
WPIE-350	350	378	28200	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X				
WPIE-400	400	429	30700	-	-	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X				
WPIE-450	450	480	33200	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X	X				
WPIE-500	500	532	35500	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X				
WPIE-600	600	635	40000	-	-	-	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	X	X	X				
WPIE-700	700	738	44400	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X				
WPIE-800	800	842	48500	-	-	-	-	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X				
WPIE-900	900	945	52500	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X				
WPIE-1000	1000	1048	56200	-	-	-	-	-	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X				
WPIE-1100	1100	1152	60100	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X				
WPIE-1200	1200	1255	63600	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	X	X				
WPIE-1400	1400	1462	70400	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X				
WPIE-1500	1500	1565	73700	-	-	-	-	-	-	X	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X				
WPIE-1600	1600	1668	77100	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X				
WPIE-1800	1800	1875	83400	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X				
WPIE-2000	2000	2082	89400	-	-	-	-	-	-	-	X	X	X	X	X	X	X	X	-	-	-	-	-	-	X				



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