



HD-PE

PIPE FITTING VALVE

HD-PE 80-PIPE

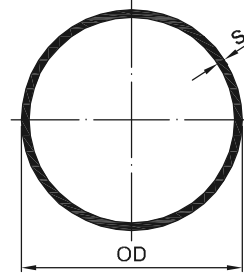
DIN 8074/8075

Storage length:5m

(Special lengths on request)

直管HD-PE 80

DFP PIO



OD (mm)	Ventilation				SDR41 ISO S20 PN2.5			SDR33 ISO S16 PN3.2			SDR26 ISO S12.5 PN4			内白外黑 黑色厚度 (mm)
	S (mm)	Weight (kg/m)	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8~1.2
25	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8~1.2
32	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8~1.2
40	-	-	-	-	-	-	-	-	-	-	32-PIO-26-0040	1.8	0.227	1.2~1.8
50	-	-	-	-	-	-	-	32-PIO-33-0050	1.8	0.287	32-PIO-26-0050	2.0	0.314	1.2~1.8
63	-	-	-	-	32-PIO-41-0063	1.8	0.364	32-PIO-33-0063	2.0	0.399	32-PIO-26-0063	2.5	0.494	1.2~1.8
75	-	-	-	-	32-PIO-41-0075	1.9	0.457	32-PIO-33-0075	2.3	0.551	32-PIO-26-0075	2.9	0.675	1.2~1.8
90	-	-	-	-	32-PIO-41-0090	2.2	0.643	32-PIO-33-0090	2.8	0.791	32-PIO-26-0090	3.5	0.978	1.4~2.0
110	-	-	-	-	32-PIO-41-0110	2.7	0.943	32-PIO-33-0110	3.4	1.17	32-PIO-26-0110	4.2	1.43	1.4~2.0
125	-	-	-	-	32-PIO-41-0125	3.1	1.23	32-PIO-33-0125	3.9	1.51	32-PIO-26-0125	4.8	1.84	1.4~2.0
140	-	-	-	-	32-PIO-41-0140	3.5	1.54	32-PIO-33-0140	4.3	1.88	32-PIO-26-0140	5.4	2.32	1.4~2.0
160	-	-	-	-	32-PIO-41-0160	4.0	2.00	32-PIO-33-0160	4.9	2.42	32-PIO-26-0160	6.2	3.04	1.4~2.0
180	-	-	-	-	32-PIO-41-0180	4.4	2.49	32-PIO-33-0180	5.5	3.07	32-PIO-26-0180	6.9	3.79	1.4~2.0
200	-	-	-	-	32-PIO-41-0200	4.9	3.05	32-PIO-33-0200	6.2	3.84	32-PIO-26-0200	7.7	4.69	2.0~3.0
225	-	-	-	-	32-PIO-41-0225	5.5	3.86	32-PIO-33-0225	6.9	4.77	32-PIO-26-0225	8.6	5.89	2.0~3.0
250	-	-	-	-	32-PIO-41-0250	6.2	4.83	32-PIO-33-0250	7.7	5.92	32-PIO-26-0250	9.6	7.30	2.0~3.0
280	-	-	-	-	32-PIO-41-0280	6.9	5.98	32-PIO-33-0280	8.6	7.40	32-PIO-26-0280	10.7	9.10	2.0~3.0
315	-	-	-	-	32-PIO-41-0315	7.7	7.52	32-PIO-33-0315	9.7	9.37	32-PIO-26-0315	12.1	11.6	2.0~3.0
355	-	-	-	-	32-PIO-41-0355	8.7	9.55	32-PIO-33-0355	10.9	11.8	32-PIO-26-0355	13.6	14.6	3.0~4.0
400	8.0	9.9	-	-	32-PIO-41-0400	9.8	12.1	32-PIO-33-0400	12.3	15.1	32-PIO-26-0400	15.3	18.6	3.0~4.0
450	8.0	11.2	-	-	32-PIO-41-0450	11.0	15.3	32-PIO-33-0450	13.8	19.0	32-PIO-26-0450	17.2	23.5	-
500	8.0	11.7	10.0	15.5	32-PIO-41-0500	12.3	19.0	32-PIO-33-0500	15.3	23.4	32-PIO-26-0500	19.1	28.9	-
560	10.0	15.5	-	-	32-PIO-41-0560	13.7	23.6	32-PIO-33-0560	17.2	29.4	32-PIO-26-0560	21.4	36.2	-
630	10.0	19.6	-	-	32-PIO-41-0630	15.4	29.9	32-PIO-33-0630	19.3	37.1	32-PIO-26-0630	24.1	45.9	-
710	12.0	26.4	-	-	32-PIO-41-0710	17.4	38.0	32-PIO-33-0710	21.8	47.2	32-PIO-26-0710	27.2	58.4	-
800	12.0	29.8	-	-	32-PIO-41-0800	19.6	48.1	32-PIO-33-0800	24.5	59.7	32-PIO-26-0800	30.6	73.9	-
900	15.0	42.0	-	-	32-PIO-41-0900	22.0	60.9	32-PIO-33-0900	27.6	75.6	32-PIO-26-0900	34.4	93.4	-
1000	15.0	46.7	-	-	32-PIO-41-1000	24.5	75.2	32-PIO-33-1000	30.6	93.1	32-PIO-26-1000	38.2	115.0	-
1200	18.0	67.1	-	-	32-PIO-41-1200	29.4	108.0	32-PIO-33-1200	36.7	134.0	32-PIO-26-1200	45.9	166.0	-



HD-PE

PIPE FITTING VALVE

HD-PE 80-PIPE

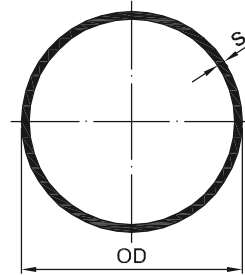
DIN 8074/8075

Storage length:5m

(Special lengths on request)

直管HD-PE 80

DFP PIO



OD (mm)	Ventilation				SDR17.6 ISO S8.3 PN6			SDR11 ISO S5 PN10			SDR7.4 ISO S3.2 PN16			内白外黑
	S (mm)	Weight (kg/m)	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	黑色厚度 (mm)
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	32-PIO-07-0012	1.8	0.060	-
16	-	-	-	-	-	-	-	-	-	-	32-PIO-07-0016	2.2	0.099	-
20	-	-	-	-	-	-	-	32-PIO-11-0020	1.9	0.112	32-PIO-07-0020	2.8	0.154	0.8~1.2
25	-	-	-	-	-	-	-	32-PIO-11-0025	2.3	0.171	32-PIO-07-0025	3.5	0.240	0.8~1.2
32	-	-	-	-	32-PIO-17-0032	1.8	0.179	32-PIO-11-0032	2.9	0.272	32-PIO-07-0032	4.4	0.386	0.8~1.2
40	-	-	-	-	32-PIO-17-0040	2.3	0.285	32-PIO-11-0040	3.7	0.430	32-PIO-07-0040	5.5	0.600	1.2~1.8
50	-	-	-	-	32-PIO-17-0050	2.9	0.440	32-PIO-11-0050	4.6	0.666	32-PIO-07-0050	6.9	0.936	1.2~1.8
63	-	-	-	-	32-PIO-17-0063	3.6	0.688	32-PIO-11-0063	5.8	1.05	32-PIO-07-0063	8.6	1.47	1.2~1.8
75	-	-	-	-	32-PIO-17-0075	4.3	0.976	32-PIO-11-0075	6.8	1.47	32-PIO-07-0075	10.3	2.09	1.2~1.8
90	-	-	-	-	32-PIO-17-0090	5.1	1.39	32-PIO-11-0090	8.2	2.12	32-PIO-07-0090	12.3	3.00	1.4~2.0
110	-	-	-	-	32-PIO-17-0110	6.3	2.08	32-PIO-11-0110	10.0	3.14	32-PIO-07-0110	15.1	4.49	1.4~2.0
125	-	-	-	-	32-PIO-17-0125	7.1	2.66	32-PIO-11-0125	11.4	4.08	32-PIO-07-0125	17.1	5.77	1.4~2.0
140	-	-	-	-	32-PIO-17-0140	8.0	3.34	32-PIO-11-0140	12.7	5.08	32-PIO-07-0140	19.2	7.25	1.4~2.0
160	-	-	-	-	32-PIO-17-0160	9.1	4.35	32-PIO-11-0160	14.6	6.67	32-PIO-07-0160	21.9	9.44	1.4~2.0
180	-	-	-	-	32-PIO-17-0180	10.2	5.48	32-PIO-11-0180	16.4	8.42	32-PIO-07-0180	24.6	11.9	1.4~2.0
200	-	-	-	-	32-PIO-17-0200	11.4	6.79	32-PIO-11-0200	18.2	10.4	32-PIO-07-0200	27.4	14.8	2.0~3.0
225	-	-	-	-	32-PIO-17-0225	12.8	8.55	32-PIO-11-0225	20.5	13.1	32-PIO-07-0225	30.8	18.6	2.0~3.0
250	-	-	-	-	32-PIO-17-0250	14.2	10.6	32-PIO-11-0250	22.7	16.2	32-PIO-07-0250	34.2	23.0	2.0~3.0
280	-	-	-	-	32-PIO-17-0280	15.9	13.2	32-PIO-11-0280	25.4	20.3	32-PIO-07-0280	38.3	28.9	2.0~3.0
315	-	-	-	-	32-PIO-17-0315	17.9	16.7	32-PIO-11-0315	28.6	25.6	32-PIO-07-0315	43.1	36.5	2.0~3.0
355	-	-	-	-	32-PIO-17-0355	20.1	21.2	32-PIO-11-0355	32.2	32.5	32-PIO-07-0355	48.5	46.3	3.0~4.0
400	8.0	9.9	-	-	32-PIO-17-0400	22.7	26.9	32-PIO-11-0400	36.3	41.3	32-PIO-07-0400	54.7	58.8	3.0~4.0
450	8.0	11.2	-	-	32-PIO-17-0450	25.5	34.0	32-PIO-11-0450	40.9	52.3	-	-	-	-
500	8.0	11.7	10.0	15.5	32-PIO-17-0500	28.4	42.0	32-PIO-11-0500	45.4	64.5	-	-	-	-
560	10.0	15.5	-	-	32-PIO-17-0560	31.7	52.5	32-PIO-11-0560	50.8	80.8	-	-	-	-
630	10.0	19.6	-	-	32-PIO-17-0630	35.7	66.5	-	-	-	-	-	-	-
710	12.0	26.4	-	-	32-PIO-17-0710	40.2	84.4	-	-	-	-	-	-	-
800	12.0	29.8	-	-	32-PIO-17-0800	45.3	107.0	-	-	-	-	-	-	-
900	15.0	42.0	-	-	32-PIO-17-0900	51.0	136.0	-	-	-	-	-	-	-
1000	15.0	46.7	-	-	32-PIO-17-1000	56.7	167.0	-	-	-	-	-	-	-
1200	18.0	67.1	-	-	32-PIO-17-1200	68.0	241.0	-	-	-	-	-	-	-



HD-PE

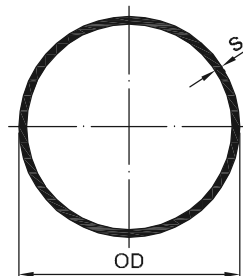
PIPE FITTING VALVE

HD-PE 100-PIPE

DIN 8074/8075 ISO 4427

CNS 2456 K3012 Storage length:5m

(Special lengths on request)



直管HD-PE100

DFP PIO

OD (mm)	SDR41 ISO S20 PN4			SDR27.6 ISO S13.3 PN6			SDR21 ISO S10 PN8			SDR17 ISO S8 PN10			ELECTRICITY CABLE USE		内白外黑	
	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	S (mm)	Weight (kg/m)	一般管	加厚管
															黑色厚度 (mm)	黑色厚度 (mm)
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8~1.2	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8~1.2	0.8~1.4
32	-	-	-	-	-	-	-	-	-	31-PIO-17-0032	2.0	0.187	-	-	0.8~1.2	0.8~1.8
40	-	-	-	-	-	-	31-PIO-21-0040	2.0	0.239	31-PIO-17-0040	2.4	0.295	-	-	1.2~1.8	1.2~2.7
50	-	-	-	-	-	-	31-PIO-21-0050	2.4	0.374	31-PIO-17-0050	3.0	0.453	-	-	1.2~1.8	1.2~3.6
63	-	-	-	31-PIO-27-0063	2.3	0.444	31-PIO-21-0063	3.0	0.580	31-PIO-17-0063	3.8	0.721	-	-	1.2~1.8	1.2~4.8
75	-	-	-	31-PIO-27-0075	2.7	0.625	31-PIO-21-0075	3.6	0.828	31-PIO-17-0075	4.5	1.020	-	-	1.2~1.8	1.2~5.8
90	-	-	-	31-PIO-27-0090	3.3	0.906	31-PIO-21-0090	4.3	1.180	31-PIO-17-0090	5.4	1.460	-	-	1.4~2.0	1.4~7.1
110	31-PIO-41-0110	2.7	0.943	31-PIO-27-0110	4.0	1.360	31-PIO-21-0110	5.3	1.770	31-PIO-17-0110	6.6	2.170	10.0	3.140	1.4~2.0	1.4~7.1
125	31-PIO-41-0125	3.1	1.230	31-PIO-27-0125	4.6	1.780	31-PIO-21-0125	6.0	2.270	31-PIO-17-0125	7.4	2.760	-	-	1.4~2.0	1.4~8.2
140	31-PIO-41-0140	3.5	1.540	31-PIO-27-0140	5.1	2.210	31-PIO-21-0140	6.7	2.830	31-PIO-17-0140	8.3	3.460	-	-	1.4~2.0	1.4~8.2
160	31-PIO-41-0160	4.0	2.000	31-PIO-27-0160	5.8	2.860	31-PIO-21-0160	7.7	3.720	31-PIO-17-0160	9.5	4.520	-	-	1.4~2.0	1.4~8.7
180	31-PIO-41-0180	4.4	2.490	31-PIO-27-0180	6.6	3.660	31-PIO-21-0180	8.6	4.670	31-PIO-17-0180	10.7	5.710	-	-	1.4~2.0	1.4~9.8
200	31-PIO-41-0200	4.9	3.050	31-PIO-27-0200	7.3	4.500	31-PIO-21-0200	9.6	5.780	31-PIO-17-0200	11.9	7.050	-	-	2.0~3.0	2.5~10.9
225	31-PIO-41-0225	5.5	3.860	31-PIO-27-0225	8.2	5.680	31-PIO-21-0225	10.8	7.300	31-PIO-17-0225	13.4	8.930	-	-	2.0~3.0	2.5~12
250	31-PIO-41-0250	6.2	4.830	31-PIO-27-0250	9.1	6.990	31-PIO-21-0250	11.9	8.930	31-PIO-17-0250	14.8	11.000	30.0	20.175	2.0~3.0	2.5~13
280	31-PIO-41-0280	6.9	5.980	31-PIO-27-0280	10.2	8.770	31-PIO-21-0280	13.4	11.300	31-PIO-17-0280	16.6	13.700	45.5	34.333	2.0~3.0	2.5~15
315	31-PIO-41-0315	7.7	7.520	31-PIO-27-0315	11.4	11.020	31-PIO-21-0315	15.0	14.200	31-PIO-17-0315	18.7	17.400	-	-	2.0~3.0	2.5~16
355	31-PIO-41-0355	8.7	9.550	31-PIO-27-0355	12.9	14.040	31-PIO-21-0355	16.9	18.000	31-PIO-17-0355	21.1	22.100	-	-	2.0~3.0	3.5~18
400	31-PIO-41-0400	9.8	12.100	31-PIO-27-0400	14.5	17.770	31-PIO-21-0400	19.1	22.900	31-PIO-17-0400	23.7	28.000	-	-	2.0~3.0	3.5~20
450	31-PIO-41-0450	11.0	15.300	31-PIO-27-0450	16.3	22.460	31-PIO-21-0450	21.5	28.900	31-PIO-17-0450	26.7	35.400	-	-	-	-
500	31-PIO-41-0500	12.3	19.000	31-PIO-27-0500	18.1	27.690	31-PIO-21-0500	23.9	35.700	31-PIO-17-0500	29.7	43.800	-	-	-	-
560	31-PIO-41-0560	13.7	23.600	31-PIO-27-0560	20.3	34.770	31-PIO-21-0560	26.7	44.700	31-PIO-17-0560	33.2	54.800	-	-	-	-
630	31-PIO-41-0630	15.4	29.900	31-PIO-27-0630	22.8	43.910	31-PIO-21-0630	30.0	56.400	31-PIO-17-0630	37.4	69.400	-	-	-	-
710	31-PIO-41-0710	17.4	38.000	31-PIO-27-0710	25.7	55.750	31-PIO-21-0710	33.9	71.800	31-PIO-17-0710	42.1	88.100	-	-	-	-
800	31-PIO-41-0800	19.6	48.100	31-PIO-27-0800	29.0	70.860	31-PIO-21-0800	38.1	91.100	31-PIO-17-0800	47.4	112.00	-	-	-	-
900	31-PIO-41-0900	22.0	60.900	31-PIO-27-0900	32.6	89.580	31-PIO-21-0900	42.9	115.00	31-PIO-17-0900	53.3	141.00	-	-	-	-
1000	31-PIO-41-1000	24.5	75.200	31-PIO-27-1000	36.2	110.50	31-PIO-21-1000	47.7	142.00	31-PIO-17-1000	59.3	175.00	-	-	-	-
1200	31-PIO-41-1200	29.4	108.00	31-PIO-27-1200	43.5	157.00	31-PIO-21-1200	57.2	205.00	31-PIO-17-1200	67.9	255.00	-	-	-	-



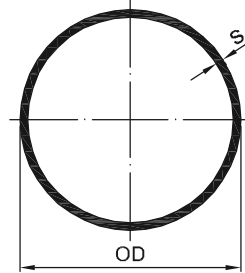
HD-PE

PIPE FITTING VALVE

HD-PE 100-PIPE

DIN 8074/8075 ISO 4427
 CNS 2456 K3012 Storage length:5m
 (Special lengths on request)

直管HD-PE100
 DFP PIO



OD (mm)	SDR13.6 ISO S6.3 PN12.5			SDR11 ISO S5 PN16			SDR9 ISO S4 PN20			SDR7.4 ISO S3.2 PN25			SDR6 ISO S2.5 PN32		
	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)	Code	S (mm)	Weight (kg/m)
20	-	-	-	31-PIO-11-0020	2.0	0.115	31-PIO-09-0020	2.3	0.133	31-PIO-07-0020	2.8	0.154	31-PIO-06-0020	3.4	0.180
25	31-PIO-13-0025	1.9	0.144	31-PIO-11-0025	2.3	0.171	31-PIO-09-0025	2.8	0.200	31-PIO-07-0025	3.5	0.240	31-PIO-06-0025	4.2	0.278
32	31-PIO-13-0032	2.4	0.232	31-PIO-11-0032	2.9	0.272	31-PIO-09-0032	3.6	0.327	31-PIO-07-0032	4.4	0.386	31-PIO-06-0032	5.4	0.454
40	31-PIO-13-0040	3.0	0.356	31-PIO-11-0040	3.7	0.430	31-PIO-09-0040	4.5	0.509	31-PIO-07-0040	5.5	0.600	31-PIO-06-0040	6.7	0.701
50	31-PIO-13-0050	3.7	0.549	31-PIO-11-0050	4.6	0.666	31-PIO-09-0050	5.6	0.788	31-PIO-07-0050	6.9	0.936	31-PIO-06-0050	8.3	1.090
63	31-PIO-13-0063	4.7	0.873	31-PIO-11-0063	5.8	1.050	31-PIO-09-0063	7.1	1.260	31-PIO-07-0063	8.6	1.470	31-PIO-06-0063	10.5	1.730
75	31-PIO-13-0075	5.6	1.240	31-PIO-11-0075	6.8	1.470	31-PIO-09-0075	8.4	1.760	31-PIO-07-0075	10.3	2.090	31-PIO-06-0075	12.5	2.440
90	31-PIO-13-0090	6.7	1.770	31-PIO-11-0090	8.2	2.012	31-PIO-09-0090	10.1	2.540	31-PIO-07-0090	12.3	3.000	31-PIO-06-0090	15.0	3.510
110	31-PIO-13-0110	8.1	2.620	31-PIO-11-0110	10.0	3.140	31-PIO-09-0110	12.3	3.780	31-PIO-07-0110	15.1	4.490	31-PIO-06-0110	18.3	5.240
125	31-PIO-13-0125	9.2	3.370	31-PIO-11-0125	11.4	4.080	31-PIO-09-0125	14.0	4.870	31-PIO-07-0125	17.1	5.770	31-PIO-06-0125	20.8	6.750
140	31-PIO-13-0140	10.3	4.220	31-PIO-11-0140	12.7	5.080	31-PIO-09-0140	15.7	6.110	31-PIO-07-0140	19.2	7.250	31-PIO-06-0140	23.3	8.470
160	31-PIO-13-0160	11.8	5.500	31-PIO-11-0160	14.6	6.670	31-PIO-09-0160	17.9	7.960	31-PIO-07-0160	21.9	9.440	31-PIO-06-0160	26.6	11.000
180	31-PIO-13-0180	13.3	6.980	31-PIO-11-0180	16.4	8.420	31-PIO-09-0180	20.1	10.100	31-PIO-07-0180	24.6	11.900	31-PIO-06-0180	29.9	14.000
200	31-PIO-13-0200	14.7	8.560	31-PIO-11-0200	18.2	10.400	31-PIO-09-0200	22.4	12.400	31-PIO-07-0200	27.4	14.800	31-PIO-06-0200	33.2	17.200
225	31-PIO-13-0225	16.6	10.900	31-PIO-11-0225	20.5	13.100	31-PIO-09-0225	25.2	15.800	31-PIO-07-0225	30.8	18.600	31-PIO-06-0225	37.4	21.800
250	31-PIO-13-0250	18.4	13.400	31-PIO-11-0250	22.7	16.200	31-PIO-09-0250	27.9	19.400	31-PIO-07-0250	34.2	23.000	31-PIO-06-0250	41.6	27.000
280	31-PIO-13-0280	20.6	16.800	31-PIO-11-0280	25.4	20.300	31-PIO-09-0280	31.3	24.300	31-PIO-07-0280	38.3	28.900	31-PIO-06-0280	46.5	33.800
315	31-PIO-13-0315	23.2	21.200	31-PIO-11-0315	28.6	25.600	31-PIO-09-0315	35.2	30.800	31-PIO-07-0315	43.1	36.500	31-PIO-06-0315	52.3	42.700
355	31-PIO-13-0355	26.1	26.900	31-PIO-11-0355	32.2	32.500	31-PIO-09-0355	39.7	39.100	31-PIO-07-0355	48.5	46.300	31-PIO-06-0355	59.0	54.300
400	31-PIO-13-0400	29.4	34.100	31-PIO-11-0400	36.3	41.300	31-PIO-09-0400	44.7	49.600	31-PIO-07-0400	54.7	58.800	31-PIO-06-0400	66.5	68.900
450	31-PIO-13-0450	33.1	43.200	31-PIO-11-0450	40.9	52.300	31-PIO-09-0450	50.3	62.700	31-PIO-07-0450	61.5	74.400	31-PIO-06-0450	75.0	90.000
500	31-PIO-13-0500	36.8	53.300	31-PIO-11-0500	45.4	64.500	31-PIO-09-0500	55.8	77.300	31-PIO-07-0500	68.3	91.800	-	-	-
560	31-PIO-13-0560	41.2	66.900	31-PIO-11-0560	50.8	80.800	31-PIO-09-0560	62.5	97.000	31-PIO-07-0560	75.7	117.00	-	-	-
630	31-PIO-13-0630	46.3	84.600	31-PIO-11-0630	57.2	102.00	31-PIO-09-0630	70.3	125.00	-	-	-	-	-	-
710	31-PIO-13-0710	52.2	107.00	31-PIO-11-0710	64.5	130.00	-	-	-	-	-	-	-	-	-
800	31-PIO-13-0800	58.8	136.00	31-PIO-11-0800	72.6	169.00	-	-	-	-	-	-	-	-	-
900	31-PIO-13-0900	66.2	172.00	31-PIO-11-0900	81.7	212.85	-	-	-	-	-	-	-	-	-
1000	31-PIO-13-1000	72.5	218.00	-	-	-	-	-	-	-	-	-	-	-	-
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