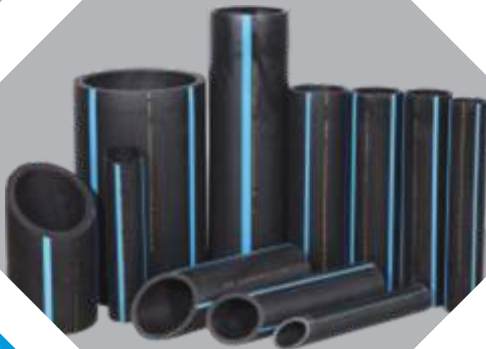
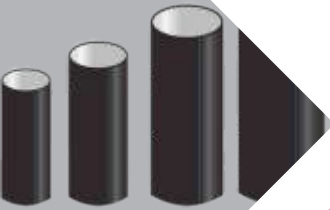




PIPES

Connecting you to Life



# Product Catalogue



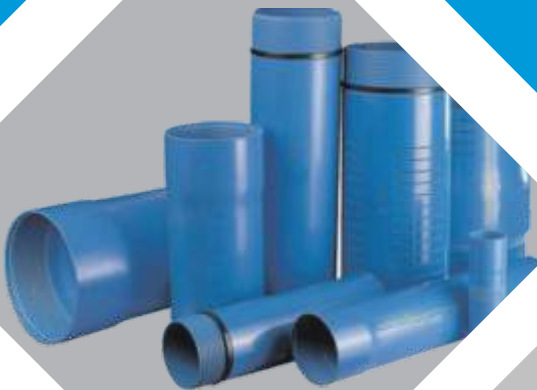
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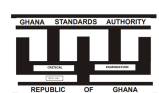
info@dpspipes.com



Off Spintex Rd,  
Coca Cola Down, Accra



uPVC Pipes & Fittings  
uPVC Profiles  
HDPE Pipes & Fittings  
PPR Pipes & Fittings



www.dpspipes.com

# NOTE SHEET

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## DPS Profile

### DPS PIPES AND PLASTICS LIMITED

"DPS Pipes And Plastics Limited was established in 2015 after extensive research into the Ghanaian and greater West African technical pipe market. Having vast previous knowledge and experience in plastic manufacturing, DPS set out to serve the West African market with Reasonably Priced, Superior Quality and Durable uPVC and HDPE pipes, while providing complete expertise and technical support to customers. DPS boasts a state of the art production facility located on the Spintex road, in Accra, with modern machinery that produces superior output. The proof of our commitment to quality can be attributed to the rigorous testing- that our pipes go through- so as to ensure strict adherence to standards. The company is currently ISO 9001:2015, 14001:2015 and 45001:2018 Certified. The company has grown rapidly in its few years of existence due to its exceedingly talented, knowledgeable, and competent management and workforce.

DPS constantly invests in research and development so as to be one of the best in the industry. The company is constantly focused on expanding its product range. DPS also supports customers in pioneering new solutions.

### OUR VISION

To be the industry's preferred and trusted supplier of quality piping solutions.

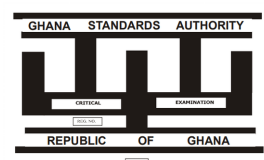
### OUR MISSION

To position our business to supply a comprehensive range of plastic piping solutions to the Construction, Agriculture, Mining and Industrial Market sectors through out West Africa."

[www.dpspipes.com](http://www.dpspipes.com)



An ISO 9001:2015, ISO 14001:2015  
& ISO 45001:2018 Certified



## HDPE Pipe for Water Supply

### Description:

Semi-rigid High Density Polyethylene PE100 pipes, in black colour, with a specific blue band marking. They are delivered in coils of 50 or 100 m (linear meters) or in straight Bars of 6.0 & 12.0m. For other requested lengths, kindly consult us.

### Advantages:

- Maximum hydraulic quality due to its smooth inner lining
- Corrosion and abrasion resistance
- Chemical and electrolytic inertia
- Watertight networks
- Insensitive to ground movement
- High mechanical resistance
- Resistance to hammer effect caused by water pressure
- Limited fitting types due to its flexibility.

### Applications:

- Underground/Overground water supply networks
- Supply connections

### Jointing Systems

THE “HDPE” pipes could be fitted and coupled by three different methods:

- By compression fittings (PP)
- By face to face Butt welding process
- By electrofusion fittings

[www.dpspipes.com](http://www.dpspipes.com)

## HDPE Pipe for Water Supply

### PIPES SPECIFICATIONS: HDPE-100 ISO4427

OD		PN 6 SDR 26		PN 10 SDR 17		PN 16 SDR 11	
Min.	Max.	W.THICK	WEIGHT	W.THICK	WEIGHT	W.THICK	WEIGHT
16	16.30						
20	20.30					2.00	0.12
25	25.30					2.30	0.17
32	32.30			2.00	0.19	3.00	0.28
40	40.40			2.40	0.29	3.70	0.43
50	50.40	2.00	0.31	3.00	0.45	4.60	0.67
63	63.40	2.50	0.49	3.80	0.72	5.80	1.05
75	75.50	2.90	0.67	4.50	1.01	6.80	1.47
90	90.60	3.50	0.97	5.40	1.46	8.20	2.13
110	110.70	4.20	1.43	6.60	2.17	10.00	3.16
125	125.80	4.80	1.84	7.40	2.77	11.40	4.10
140	140.90	5.40	2.32	8.30	3.47	12.70	5.11
160	161.00	6.20	3.05	9.50	4.54	14.60	6.70
180	181.10	6.90	3.79	10.70	5.74	16.40	8.47
200	201.20	7.70	4.71	11.90	7.08	18.20	10.45
225	226.40	8.60	5.91	13.40	8.98	20.50	13.22
250	251.50	9.60	7.33	14.80	11.01	22.70	16.26
280	281.70	10.70	9.14	16.60	13.83	25.40	20.39
315	316.90	12.10	11.64	18.70	17.51	28.60	25.81
355	357.20	13.60	14.71	21.10	22.28	32.20	32.76
400	402.40	15.30	18.66	23.70	28.16	36.30	41.60
450	452.70	17.20	23.59	26.70	35.68	40.90	52.67
500	503.00	19.10	29.10	29.70	44.09	45.40	64.99
560	563.40	21.40	36.48	33.20	55.23	50.80	81.42
630	633.80	24.10	46.22	37.40	69.95	57.20	103.16

## HDPE Pipe for Water Supply

### PIPES SPECIFICATIONS: HDPE-100 ISO4427

OD		PN 6 SDR 26		PN 10 SDR 17		PN 16 SDR 11	
Min.	Max.	W.THICK	WEIGHT	W.THICK	WEIGHT	W.THICK	WEIGHT
710	714.30	27.2	58.75	42.1	88.76	64.5	131.04
800	804.80	30.6	74.41	47.4	112.55	72.6	166.19
900	905.40	34.4	94.48	53.3	142.37	81.7	210.36
1000	1006.00	38.2	116.12	59.3	175.95	90.2	258.27
1200	1207.20	45.9	167.25	67.9	242.36		



## PVC Pressure Pipes

### Description:

Un-Plasticized grey uPVC pipes.

Standard lengths of 6m with push fit rubber ring fitting, or with pre-socketed cement glue AC fitting.

### Advantages:

- Corrosion: PVC pressure pipes remain unaffected by all types of corrosion
- Abrasion: Excellent resistance to abrasion as compared to other traditional materials.
- Water-tightness: Solvent cement and push fit rubber ring jointing systems provide a perfect sealing of network connections.
- Water hammer resistance: Reduced water hammer effects due to slower surge celerity (at one third the rate of metal).
- Shock resistance: Exceptional shock resistance qualities; they show absolutely no damage or deformations under impact tests.
- Installation: Spectacular weightlessness permits easy installation of pipes.
- Food grade: No influence on the quality of drinking water, and no alteration of its composition.

### Applications:

- Drinking water supply for public, private, or Industrial networks
- Sewage systems
- Sewage water mains
- Piping for conveyance of liquid foodstuffs and industrial liquids
- Underground Irrigation systems.

### Jointing Systems

PVC PRESSURE PIPES could be assembled in two different methods:

- Solvent Cement Socket
- Push fit Rubber Ring

## UPVC PRESSURE PIPES

Standard: ISO 4422-2

Nom. Outside Dia. mm	Nominal Wall Thickness in mm		
	Pressure Rating		
	6 Bar	10 Bar	16 Bar
20	-	-	1.5
25	-	-	1.9
32	-	1.6	2.4
40	-	1.9	3.0
50	-	2.4	3.7
63	1.9	3.0	4.7
75	2.2	3.6	5.6
90	2.7	4.3	6.7
110	2.7	4.2	6.6
125	3.1	4.8	7.4
140	3.5	5.4	8.3
160	4	6.2	9.5
200	4.9	7.7	11.9
225	5.5	8.6	13.4
250	6.2	9.6	14.8
315	7.7	12.1	18.7

20mm-50mm

Solvent cement socket only

63mm-400mm

Solvent cement socket or Rubber ring joint

Length:

Standard 6m. 5.8m for export packing

Colour:

Grey or Black



## PRESSURE PIPES

Standard: BS 3505

Nominal Size	Nom. Outside Dia. mm	Wall Thickness in mm			
		Pressure Rating			
		CLASS B (6 Bar)	CLASS C (9 Bar)	CLASS D (12 Bar)	CLASS E (15 Bar)
1/2"	21.2				1.7
3/4"	26.6				1.9
1"	33.4				2.2
1 1/4"	42			2.2	2.7
1 1/2"	48.1			2.5	3.1
2"	60.2		2.5	3.1	3.9
3"	88.7	2.9	3.5	4.8	5.7
4"	114.1	3.4	4.5	6	7.3
6"	168	4.5	6.6	8.8	10.8
8"	218.8	5.3	7.8	10.3	12.6

1/2" - 1 1/2"

Solvent cement socket only

2" - 8"

Solvent cement socket or Rubber ring joint

Length:

Standard 6m. 5.8m for export packing

Colour:

Grey or Black

## PVC Drainage Pipes

### Description:

Un-Plasticized PVC pipes, in grey colour, pre-socketed for solvent cement gluing, are available in 3m and 6m lengths. Installations are accomplished through the use of a complete range of PVC fittings (ellbows, tees and reducers, etc...). Assembly is exclusively achieved by solvent cement gluing.

### Advantages:

- Corrosion: Immune to all types of corrosion.
- Water tightness: Pipe walls as well as solvent cement joints are perfectly watertight and do not allow any seepage or leakage of waste waters.
- Installation: Can be easily cut onsite without the need of any, sophisticated materials; which provides easy installations, the wide range of available fittings permits easy, fast and reliable Installations. Excellent hydraulic properties.

### Applications:

PVC pipes and fittings are used to collect, assemble and convey domestic effluent and rainwater from within the buildings. -

- Sizes available up to 6" and 160mm

## PVC Conduit Pipes

### Description

Light grey colour PVC pipes are delivered in standard lengths of 3-meter long with plain ends or socketed ends.

### Advantages:

Smooth inner linings of the PVC ducts allow easy cables pulling over extremely long distances without any obstruction.

Despite their rigidity, PVC ducts are pliable at cold or hot temperatures adapting to network layout.

Electrical Conduit Pipe OD	Wall Thickness
20 MM	1.0 MM
20 MM	1.3 MM
25 MM	1.3 MM

## PVC Borehole Pipes

### Description:

Our uPVC casings & screen pipes are manufactured with selected PVC compounds to provide absolute non-corrosive pipes with excellent mechanical properties. They are delivered with male/female threads at their ends. Pipes are dyed blue in colour according to DIN 4925 standard.

### Advantages:

- **Corrosion:** Chemical inertness of casing & screens makes them insensitive to all forms of corrosion
- **Mechanical resistance:** Excellent resistance to very high collapsing pressure, and high tensile strengths of screw joints due to its trapezoidal threaded structure.
- **Mechanical resistance:** Two categories of casings & screens (normal and reinforced) Mechanical strength and stiffness of the tube accommodate practical loads that arise during installations and caused by soil pressures.
- **Slots of wells screens:** The perpendicular disposition of the slots provides higher resistance to collapsing pressure (as compared to casings) and excellent hydraulic properties. Slot permeability adapted to the requested flow rate.
- **Food grade:** Its food grade and hydraulic qualities are preferred over those of other materials used in the construction of artesian well.

### Applications:

- Provisional casings for borehole
- Definite casings & screens for borehole for depths ranging from 30 to 400m

### Jointing Systems

Trapezoidal threads

Standard pipe range with standard wall thickness

Slots of Screens

Slots are cut by means of circular saws and arranged transversally to the pipe axis as per DIN Standard.

Plain Casing and Slotted Pipe Size (OD)	Wall Thickness
114 MM	6.0 MM
125 MM	6.5 MM
125 MM	7.5 MM
140 MM	7.0 MM
140 MM	7.5 MM
140 MM	10 MM

## HDPE Pipes - Telecom Ducts Silicon Coated

### Description:

High-density polyethylene pipes are delivered in coils of 100 to 1000 meters long. They are available in black colour. Resins used in the production of PE ducts are obtained through the polymerization of HD polyethylene compound.

The inner silicon coat reduces the coefficient of friction.

### Advantages:

- Very smooth inner lining associated with low coefficient of frictional loss allowing easy cable pulling with no damage over long distances.
- High level of flexibility
- High resistance to soil aggressiveness caused by acids, bases and salts
- Network endurance with exceptional resistance to shocks
- Excellent dielectric characteristics
- Excellent resistance to UV rays

### Applications:

The HDPE pipe cable-ducting technique is used in applications where underground cable protection is needed, such as:

- Telephone networks, optical fibre
- Low-tension electrical energy transportation.

Cable Ducting HDPE silicon coated pipes are available in following standard sizes

STANDARD OUTER DIMENSION (OD)	STANDARD INNER DIMENSION (OD)
50 mm	42mm
40 mm	33mm
32 mm	26mm
32 mm	28mm
29 mm	23mm

## PPR Pipes for Hot and Cold Water Supply

### Description:

**PPR is a hot and cold water supply system suitable for sanitary and potable water applications and heating systems. The pipes and injection moulded fittings are made of Polypropylene Random (PPR), They are jointed by fusion welding, ensuring a homogeneous, all plastic system.**

These systems vary in product range details and colour, but all carry the same features and benefits. DPS PPR offers complete ranges of pipes and fit dings in the dimensions 20, 25, 32, 40, 50,63 mm.

Pipes are available in PN10, PN16 and PN20 pressure classes. All fittings are in the highest FM20 pressure range.

### Advantages

Working Temperature is -20<sup>0</sup>c to +95<sup>0</sup>c

Complete plastic system Jointed by fusion welding, ensuring a homogeneous, all plastic system.

Suitable for carrying drinking water in full compliance with international standards.

Resistant to corrosion, abrasion and chemical attack giving long service life even under adverse operating conditions.

Reduced thermal losses Low thermal conductivity coefficient.

Low noise level The material's elasticity and high Insulation capacity mean a considerable sound reduction in the installation, Including water hammer effects.

Easy to handle, easy to install The low weight of the system makes it ideal for traditional Installations, modular installations and prefab walls.

Smooth internal surface limestone or other deposits cannot for and head loss is reduced to a minimum.

### Applications

DPS PPR systems are designed for applications, such as:

Water systems (hot and cold drinking water

Heating system's

Compressed air systems (air conditioning)

Hydraulic works in residential, industrial and public projects

Agriculture and horticulture (watering systems for greenhouses and gardens).

Chiller systems.

### Jointing Systems :

Poly-fusion welding

## PPR Pipes for Hot and Cold Water Supply

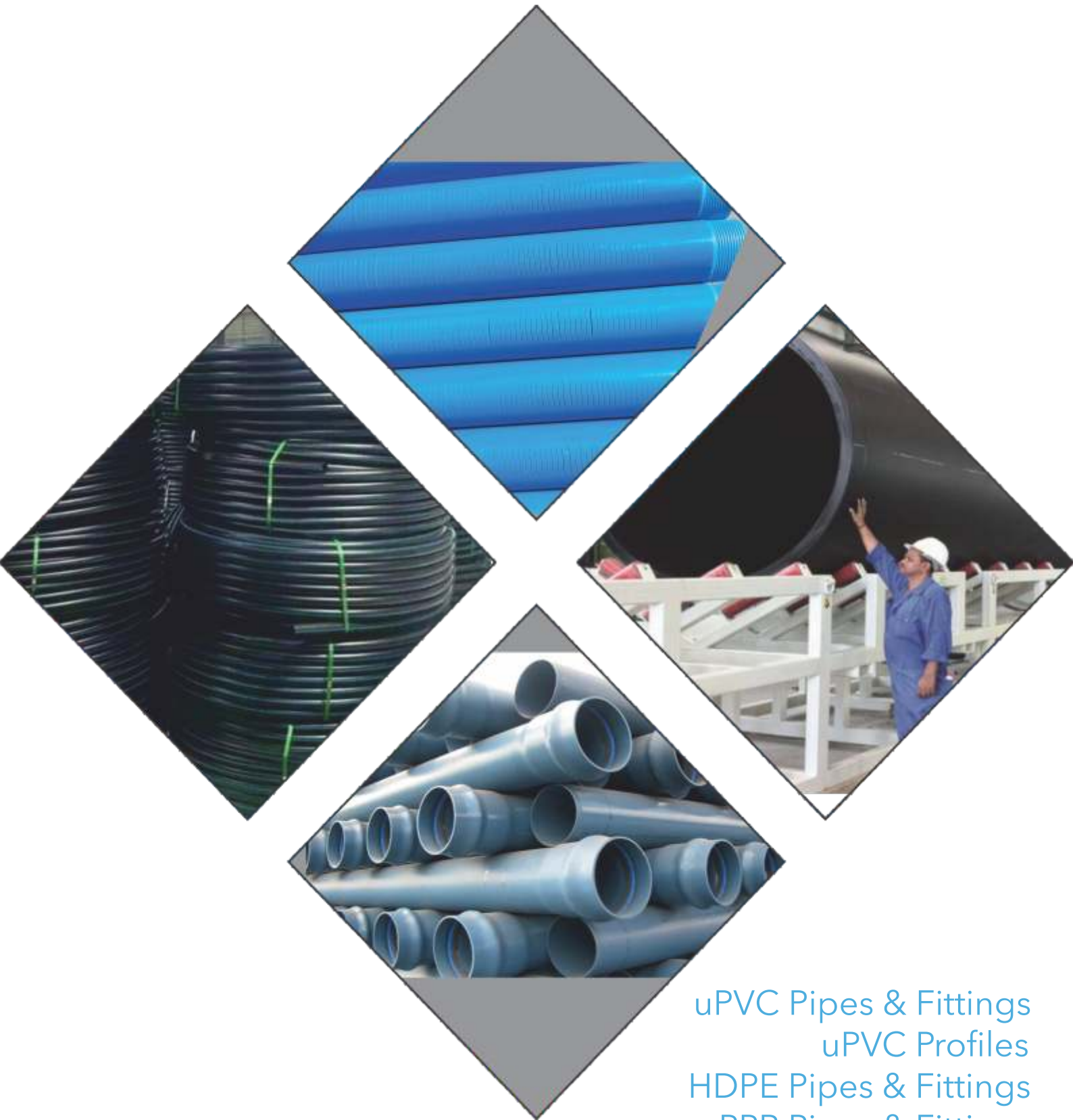
STANDARD PRODUCTS FOR PORTABLE (COLD) AND HOT WATER

Standard: DIN8077 ISO15874

Polypropylene - Random Copolymer (PP-R)

Single Layer pipes available in green

Spec (mm) Outer Diameter	Thickness			
	10 Bar	16 Bar	20 Bar	25 Bar
20	2.2	2.8	3.4	4.1
25	2.3	3.5	4.2	5.1
32	2.9	4.4	5.4	6.5
40	3.7	5.5	6.7	8.1
50	4.6	6.9	8.3	10.1
63	5.8	8.6	8.6	12.7
75	6.8	10.3	12.5	15.1
90	8.2	12.3	15.0	18.1
110	10.0	15.1	18.3	22.1



uPVC Pipes & Fittings  
uPVC Profiles  
HDPE Pipes & Fittings  
PPR Pipes & Fittings





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