

PVC PAKARAB SPIRO PIPE SYSTEM

produced (mm)	Pipe external diameter (outer diameter) (mm)	Pipe inner diameter (mm)	Thickness (mm)
98 TR	300	282	9
98 TR	350	332	9
98 TR	400	382	9
98 TR	450	432	9
98 TR	500	482	9
98 TR	550	532	9
98 TR	600	582	9
168 TR	650	614	18
168 TR	700	664	18
168 TR	750	714	18
168 TR	800	764	18
168 TR	850	814	18
168 TR	900	864	18
168 TR	950	914	18
168 TR	1000	964	18
168 TR	1100	1064	18
168 TR	1200	1164	18
168 TR	1300	1264	18
168 TR	1400	1364	18
168 TR	1500	1464	18
168 TR	1600	1564	18
168 TR	1700	1664	18
168 TR	1800	1764	18
168 TR	1900	1864	18
168 TR	2000	1964	18
168 TR	2100	2064	18
168 TR	2200	2164	18
168 TR	2300	2264	18
168 TR	2400	2364	18
168 TR	2500	2464	18
168 TR	2600	2564	18
168 TR	3000	2964	18

**Note:** All the dimensions are within the tolerance limits prescribed in ASTM-F1697 different inner diameters may be produced on special order.

منتجات مصنع زكا، سنز للپلاستك



PLASTIC PIPES & FITTINGS

[www.pakarab.net](http://www.pakarab.net)



PAKARAB SPIRO  
ON-SITE MANUFACTURING



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ABSOLUTELY COMPLETE SYSTEM

### PAKARAB SPIRO UPVC FOR SITE PIPE TECHNOLOGY

PakArab spiro pipe is a PVC piping technology for non-pressure, gravitational infrastructure applications. PVC Spiro pipes, spirally wound pipes, are obtained by forming pipes with winding technology of specially formulated strips which are produced from extrusion process in required diameter and strength. These strips are rolled to special drums in order to provide ease of storage, transportation and enables on-site. By this unique technology, pipes can be produced in factory and on-site as well, by transporting spirally winding unit and strips with "T" shaped grooves available in 2 different types and dimensions for wide range of pipe production between 300mm to 3000mm:

- 98 TR - stripes for pipes between 300-600mm dia.
- 168 TR - stripes for pipes between 1000-3000mm dia.



The volume of these strips, rolled to special drums, are approximately 10 times less than other alternative piping system which in results cost efficient transportation and storage. Reducing the fuel consumption of the transportation is an important environmentally friendly issue.

Transportation as strips on drums for on-site production also provides the opportunity of producing pipes in desired length, while in the factory pipes can be produced between 6 to 12mt depending on the diameter of the pipe and the transport vehicle.

Connection of the pipes, except the special socket connection, can be made with demanded fittings in applications; 45° and 90° elbows, reducers, tees and variously angled "C" pieces, produced from the same stripes that are used for the pipes. On the other hand, the patented production technology allows PVC Spiro pipes to be produced manhole to manhole on production site.

The unique advantages of PakArab PVC Spiro Piping technology and the PVC material properties make it ideal for infrastructure applications such as;

- Sewage and rainwater applications.
- Drainage applications for highway & motorway constructions.
- Hydro electric power plant (HEPP) applications.
- Industrial applications.

### PRODUCT RANGE

Spiro pipe PVC pipes are formed by spirally winding extruded T-necked strips and by this excellent system produced lighter and more economical but of higher strength than that of similar products.

Spiro PVC pipes are mentioned with their outer diameters in accordance with ASTM F-1697. Spiro pipe diameters produced according to the standard. According to the profile type and diameter, interior diameter, wall thickness and Tthickness are presented in the standard. Spiro PVC pipes are the first pipes produced in accordance with ASTM F-1697 (spirally wound, thermoplastic pipes and fittings, that are used in subsurface drainage, rainwater and sewage systems).

### FEATURES AND ADVANTAGES.

- Strong & durable with life of over 50 years.
- Produced on-site to desired length.
- Joint less production eliminating leakage.
- Smooth surface allowing excellent flow rates.
- No corrosion or chance of blockage.
- High chemical resistance.
- Swift installation with only manual labor.
- Lower material & transportation cost

### REVOLUTIONIZING THE PIPE INDUSTRY

Spiro Pipe introduces the world popular technology of producing effective large diameter pipes.

It is aimed to eliminate the challenges with conventional materials of cost, handling, installation, transportation, reduction of diameter & flow due to material corrosion etc.

Spiro Pipe is made by using state of the art winding technology which joins specially formulated PVC profiles to form a continual length of pipe.

The pipe has corrugated surface which gives it additional strength. For bigger diameters, steel re-enforcement is used to give it more surplus strength.

