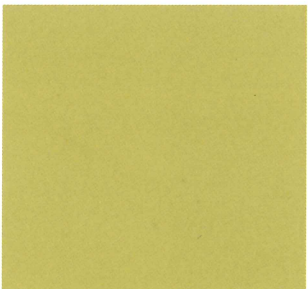
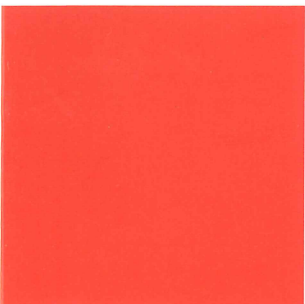
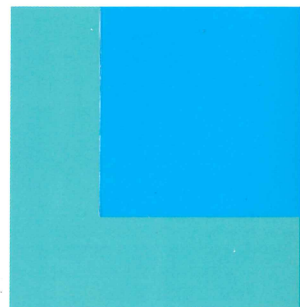
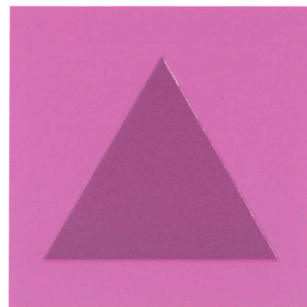
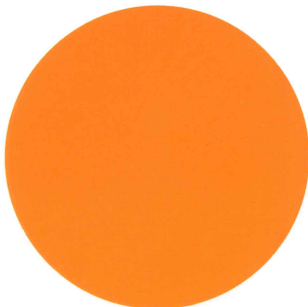




SWV PIPES & FITTINGS SERIES

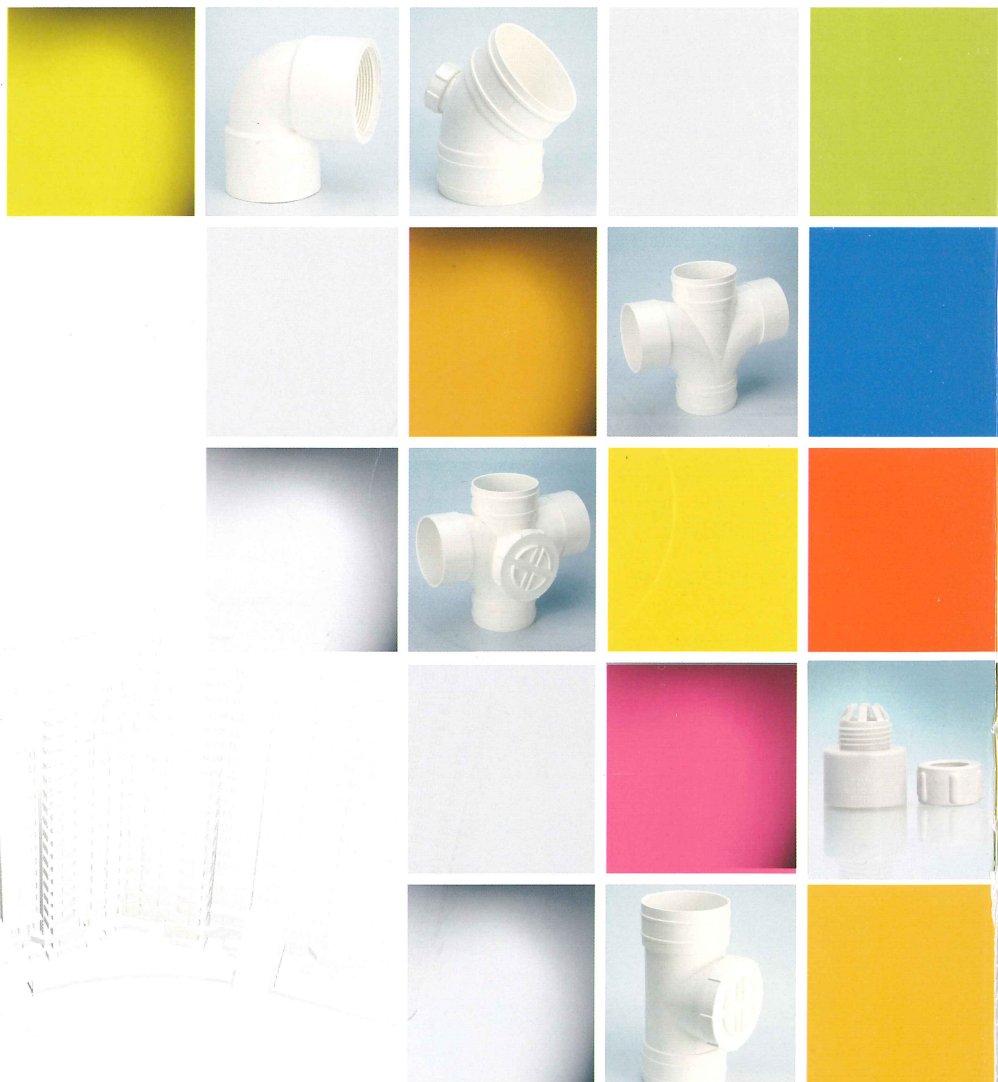


an *O* Aliaxis company



OAL

Premium Pipes



OAL

V PIPES & FITTINGS
SERIES



Company profile

The Universal Hardware & Plastic Fty Ltd, a member of the world's leading plastic pipe manufacturing company - Aliaxis, was found in 1961. Our company has engaged in manufacturing & whole selling of various plastic pipe & fitting with a variety of raw materials, like uPVC, CPVC, PP-R etc. Our products are widely used in different applications, such as residential & commercial construction, industry & public works. With a strong technique team and backed by Aliaxis group's technical support, enable us directly in line with the international advanced technology. In respect of new product developing, we always take the first step in the same field.

Characteristics of **OAL** SWV pipe & fittings

Traditional concepts of piping design are being rapidly changed by the advent of new plastics. Many engineers have already installed plastic pipes, others are fast becoming acquainted with the possibilities of these new materials.

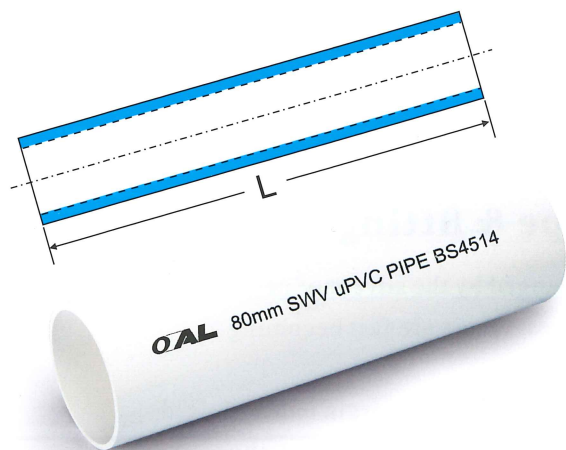
OAL uPVC soil, waste and vent pipe system is made from high quality virgin unplasticised polyvinyl chloride specially formulated to provide a tough material with optimum physical, chemical & electrical properties. These characteristics make it ideally suited for chemical engineering, industrial waste systems as well as drainage and water reticulation.

General Characteristics

- Corrosion resistant unaffected by aggressive soils and all types of potable water.
- Smooth bore with lower friction than conventional materials.
- No corrosion build-up so I.D. of pipe and fitting remains constant.
- A full range of fittings available; easy to install and maintenance free.
- Light and easy to transport and handle.
- Jointing is economical and efficient with solvent.
- Resistant to a wide range of chemicals including strong acids and alkalis.
- Unaffected by fungus and bacteria.
- Termite and weather resistant.
- Lower cost than conventional materials.
- Expected life is over 50 years in normal services.

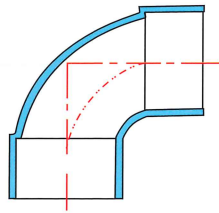
OAL SWV System Application Scope

- Residential & commercial
- Drainage and sewer systems
- Civil engineering
- Chemical, pharmaceutical and medical industry
- Industrial wastewater drainage, electroplating industry and electronic industry
- Oceanic cultivating industry
- Telecommunications and electricity supply works
- Swimming pools and sauna baths



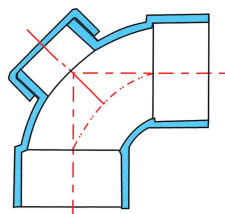
| Nominal Size (mm) | General Specifications | | | |
|-------------------|------------------------|------------------------|-----------|----------------|
| | Outside Diameter | | Thickness | |
| | Basic Dimension (mm) | Average Tolerance (mm) | Min.(mm) | Tolerance (mm) |
| 32 | 36.3 | ±0.15 | 1.8 | +0.4 |
| 40 | 42.9 | ±0.15 | 1.9 | +0.4 |
| 50 | 55.9 | ±0.15 | 2.0 | +0.4 |
| 65 | 68.9 | ±0.20 | 2.7 | +0.4 |
| 80 | 82.6 | ±0.20 | 3.2 | +0.6 |
| 100 | 110.2 | ±0.20 | 3.2 | +0.6 |
| 150 | 160.3 | ±0.20 | 4.0 | +0.6 |

| OAL The test standard of physical characteristics | Test Result | BS4514 | AS1415 | BS5255 |
|---|-------------|----------|----------------------------|---------|
| Vicat softening temperature | 92°C | ≥81°C | — | ≥90°C |
| Deflection temperature | 78°C | — | 75°C | — |
| Elongation at break | 120% | 80% | — | — |
| MPa tensile strength | 45 | 45 | — | — |
| Heat Reversion test 150°C | 2%-4% | <5% | <5% | 2.5% |
| Flattening test | — | — | No-crack | — |
| Resistance to acetone | Pass | — | No-stratification or crack | — |
| Sulphuric acid immersion test | Pass | No-crack | — | — |
| 20°C impact test | Pass | — | No-crack | TIR≤10% |
| 0°C impact test | Pass | — | No-crack | — |
| 20°C, 1minute Hydraulic test | Pass | — | — | 0.5bar |



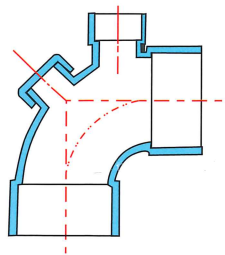
BEND 88°

| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| OA301 | 32 | OA305 | 80 |
| OA302 | 40 | OA306 | 100 |
| OA303 | 50 | OA307 | 150 |



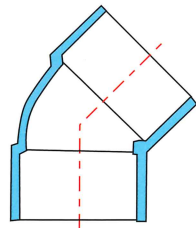
BEND 88° WITH I.O.

| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| OA311 | 32 | OA315 | 80 |
| OA312 | 40 | OA316 | 100 |
| OA313 | 50 | OA317 | 150 |



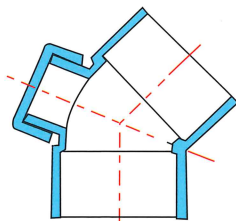
BEND 88° WITH TOP BOSS & I.O.

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA449 | 100x50 |



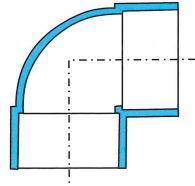
BEND 45°

| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| OA321 | 32 | OA325 | 80 |
| OA322 | 40 | OA326 | 100 |
| OA323 | 50 | OA327 | 150 |



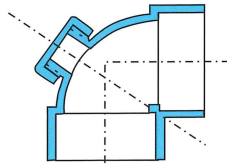
BEND 88° WITH I.O.

| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| OA331 | 32 | OA335 | 80 |
| OA332 | 40 | OA336 | 100 |
| OA333 | 50 | OA337 | 150 |



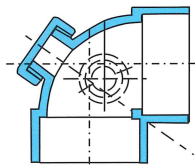
ELBOW 90°

| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| OA701 | 32 | OA705 | 80 |
| OA702 | 40 | OA706 | 100 |
| OA703 | 50 | OA707 | 150 |



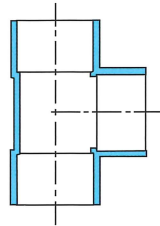
ELBOW 90° WITH I.O.

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA706 I | 100 |



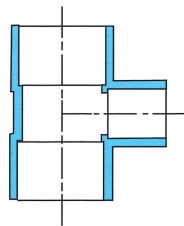
ETBOW 90° WITH SIDE BOSS & I.O.

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA666 I | 100x100x50 |



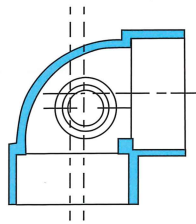
BEND 45°

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA711 | 32 |
| OA712 | 40 |
| OA713 | 50 |



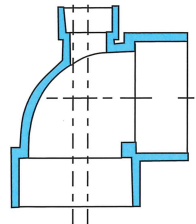
BEND 88° WITH I.O.

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA718 | 40x32 |
| OA719 | 50x32 |
| OA720 | 50x40 |



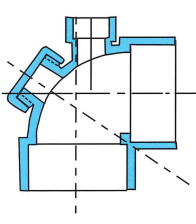
ELBOW 90° WITH SIDE BOSS

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA666 | 100x50 |
| | |
| | |



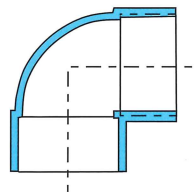
ELBOW 90° WITH TOP BOSS

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA667 | 100x50 |
| | |
| | |



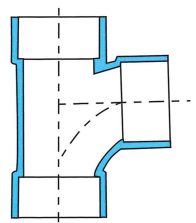
ETBOW 90° WITH TOP BOSS & I.O.

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA667 I | 100x100x50 |
| | |
| | |



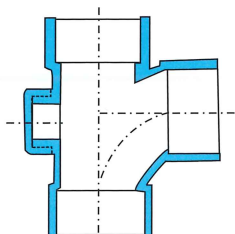
BSPT ELBOW 90°

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA741 | 32 |
| OA742 | 40 |
| OA743 | 50 |



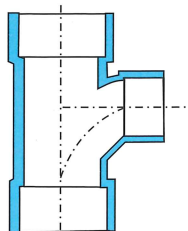
JUNCTION 88°

| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| OA351 | 32 | OA355 | 80 |
| OA352 | 40 | OA356 | 100 |
| OA353 | 50 | OA357 | 150 |
| OA354 | 65 | | |



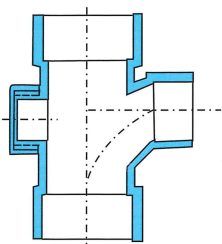
JUNCTION 88° WITH I.O.

| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| OA371 | 32 | OA375 | 80 |
| OA372 | 40 | OA376 | 100 |
| OA373 | 50 | OA377 | 150 |



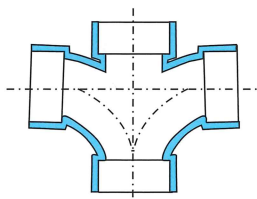
REDUCING JUNCTION 88°

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA359 | 100x50 |
| OA362 | 150x100 |



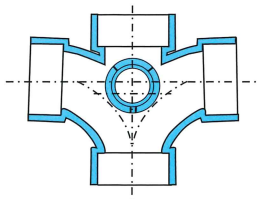
REDUCING JUNCTION 88° WITH I.O.

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA379 | 100x50 |
| OA382 | 150x100 |



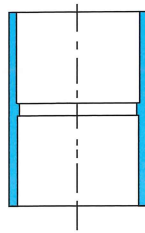
DOUBLE JUNCTION 88°

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA423 | 50x50 |
| OA426 | 100x100 |



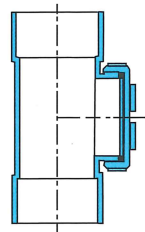
DOUBLE JUNCTION 88° WITH I.O.

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA436 | 100X100 |



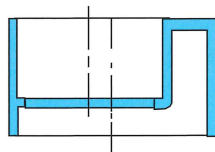
COUPLING

| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| 0A481 | 32 | 0A485 | 80 |
| 0A482 | 40 | 0A486 | 100 |
| 0A483 | 50 | 0A487 | 150 |



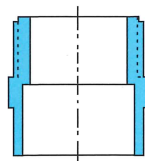
ACCESS FITTING

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| 0A596 | 100 |



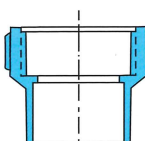
REDUCING BUSH

| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| 0A501M | 40x32 | 0A508M | 100x50 |
| 0A502M | 50x32 | 0A510M | 100x80 |
| 0A503M | 50x40 | 0A511M | 150x100 |



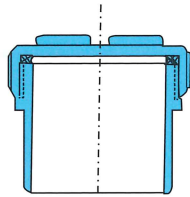
BSPT MALE COUPLING

| Product Code | Nom.Size(mm) | Thread |
|--------------|--------------|--------|
| 0A521 | 32 | 1-1/4" |
| 0A522 | 40 | 1-1/2" |
| 0A523 | 50 | 2" |



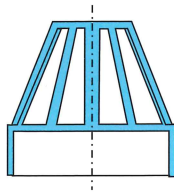
BSPT FEMALE ADAPTOR (SPIGOT END)

| Product Code | Nom.Size(mm) | Thread |
|--------------|--------------|--------|
| 0A541 | 32 | 1-1/4" |
| 0A542 | 40 | 1-1/2" |
| 0A543 | 50 | 2" |



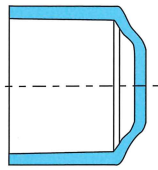
ACCESS CAP

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA576M | 100 |



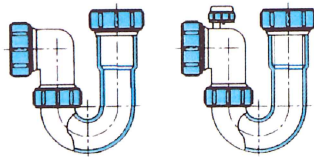
VENT COWL

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA582 | 40 |
| OA585 | 80 |
| OA586 | 100 |



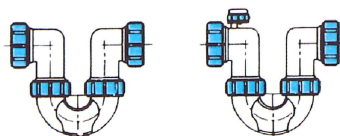
CAP

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| OA933 | 50 |
| OA935 | 80 |
| OA936 | 100 |



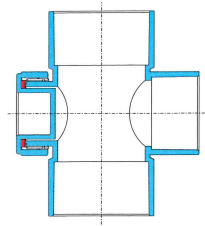
"P" TRAP

| Product Code | Nom.Size(mm) |
|--------------|--------------|
| Antisiphonic | |
| OAB829AS | 40 |
| OAB830AS | 50 |



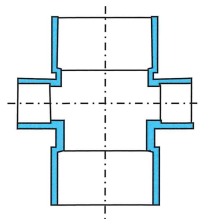
"U" TRAP

| Product Code | Nom.Size(mm) | S(min)(mm) |
|--------------|--------------|------------|
| Antisiphonic | | |
| OAB825AS | 40 | 78 |
| OAB828AS | 50 | 80 |



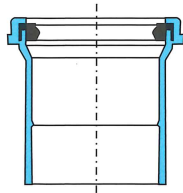
90° TEE WITH I.O.

| Product Code | Nom. Size(mm) |
|--------------|---------------|
| OA728 | 40x32 |
| OA729 | 50x32 |
| OA730 | 50x40 |



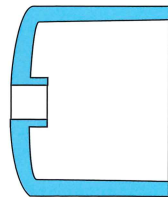
DOUBLE JUNCTION ADAPTOR

| Product Code | Nom. Size(mm) |
|--------------|---------------|
| OA881 | 40x20 |
| OA882 | 40x25 |
| OA883 | 40x32 |



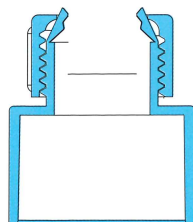
EXPANSION COUPLING

| Product Code | Nom. Size(mm) |
|--------------|---------------|
| OA602 | 40 |
| OA606L | 100 |



CAP

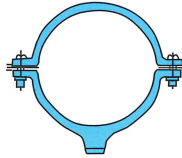
| Product Code | Nom. Size(mm) |
|--------------|---------------|
| OA941 | 1-1/4" |



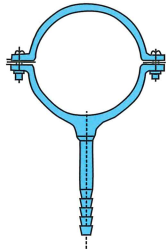
HOSE CAP

| Product Code | Nom. Size(mm) |
|--------------|---------------|
| OA761 | 32 |

PVC Pipe Clip

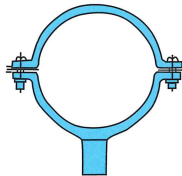


| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| OA2201 | 32 | OA2205 | 80 |
| OA2202 | 40 | OA2206 | 100 |
| OA2203 | 50 | OA2207 | 150 |

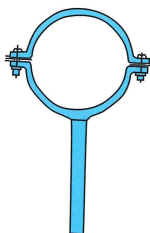


| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| OA2201-4" | 32 | OA2206-4" | 100 |
| OA2202-4" | 40 | OA2206-6" | 100 |
| OA2203-4" | 50 | OA2207-4" | 150 |
| OA2205-4" | 80 | OA2207-6" | 150 |

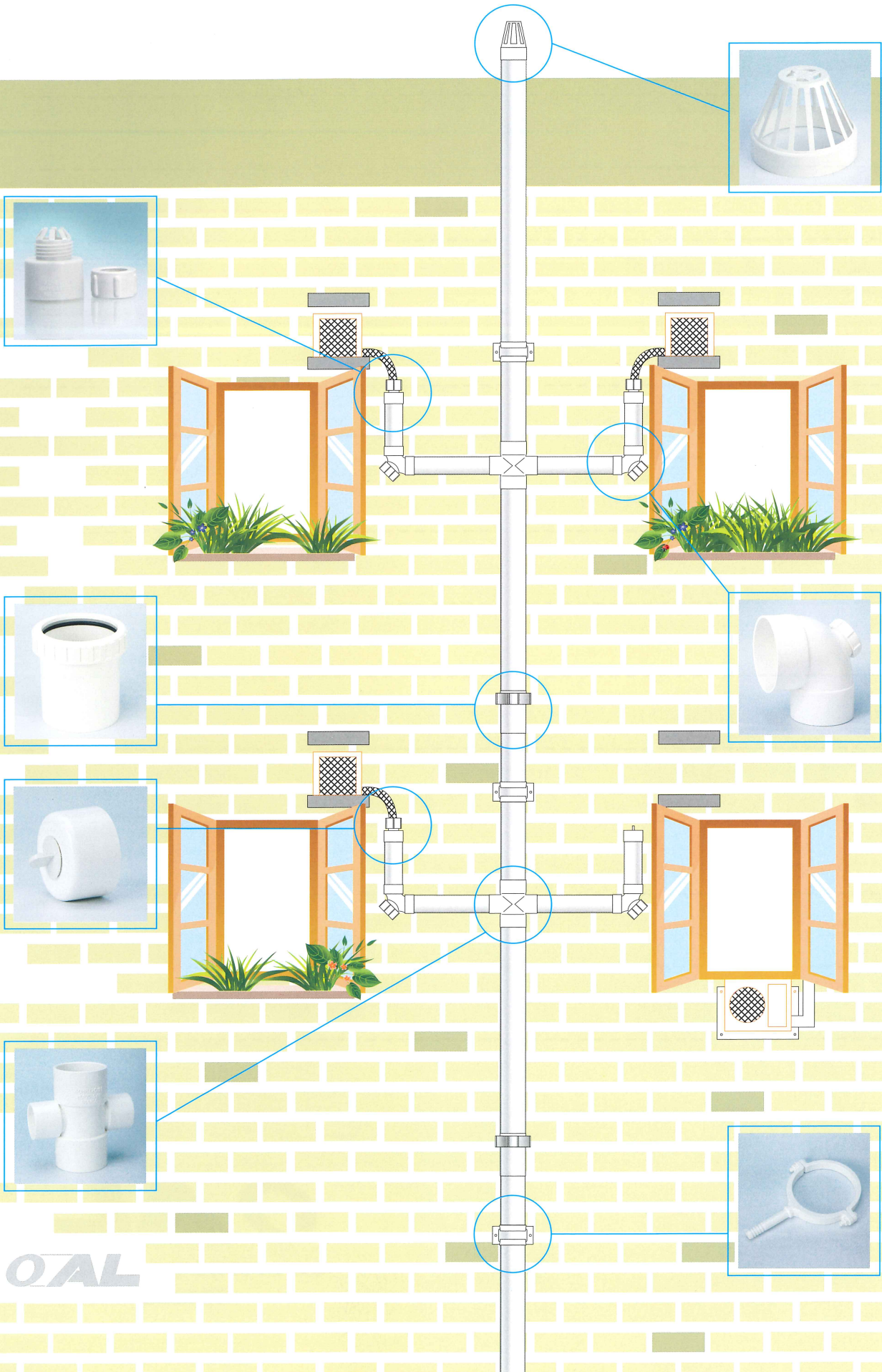
Stainless Steel Pipe Clip



| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| SSP3301 | 32 | SSP3305 | 80 |
| SSP3302 | 40 | SSP3306 | 100 |
| SSP3303 | 50 | SSP3307 | 150 |



| Product Code | Nom.Size(mm) | Product Code | Nom.Size(mm) |
|--------------|--------------|--------------|--------------|
| SSP6301 | 32 | SSP6305 | 80 |
| SSP6302 | 40 | SSP6306 | 100 |
| SSP6303 | 50 | SSP6307 | 150 |



OAL

MEMO: _____

OAL

**SWV PIPES & FITTINGS
SERIES**

Aliaxis



世界五金塑膠廠有限公司

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