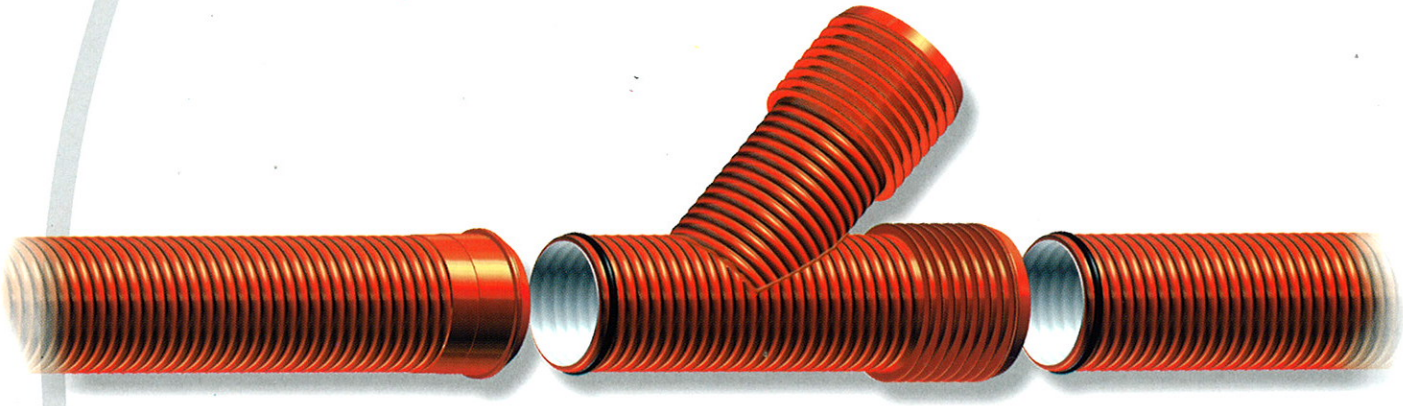
# Pragma®

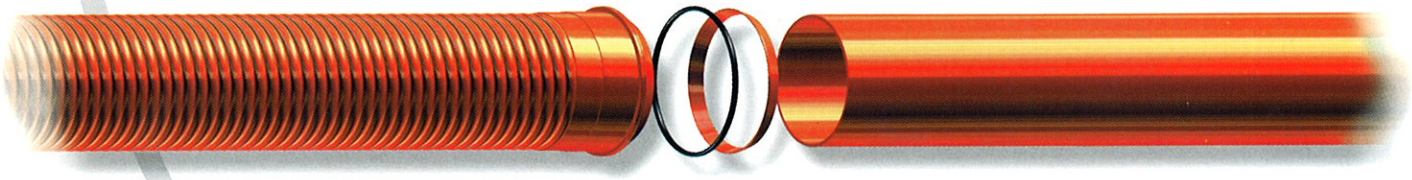
PIPELIFE

# Assembly



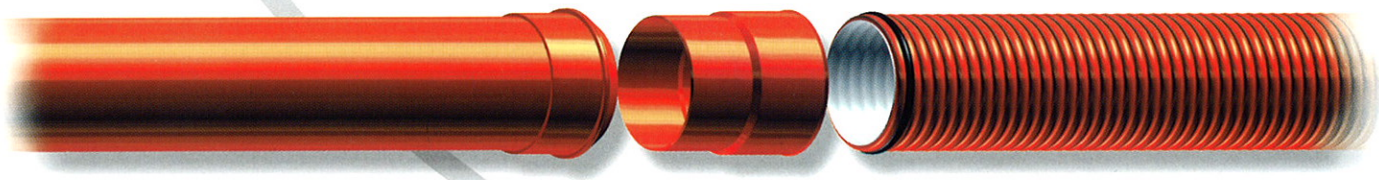
## Pragma® socket - Pragma® Branch - Pragma® pipe end

Examine and clean socket, sealing ring and pipe spigot. Lubricate sealing ring inside of socket. Push components together.



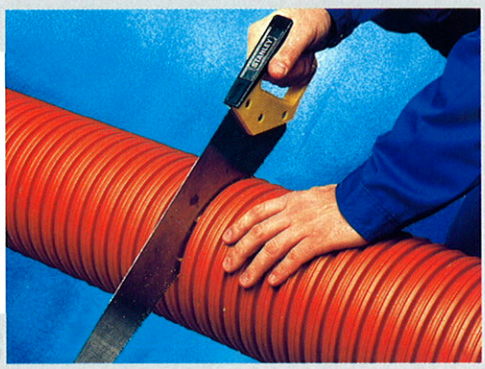
## Pragma® socket - Seal retaining ring & sealing ring - Smooth pipe end

Examine and clean socket, sealing ring and pipe end. Lubricate sealing ring and inside of socket. Mount sealing ring in socket: push socket and smooth pipe together.



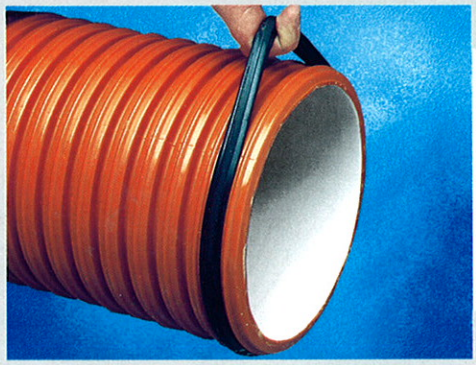
## Smooth pipe end - Pragma® PVC Socket Adapter - Pragma® pipe end

A Pragma® coupler is recommended for joining a Pragma® pipe end to a socket designed to fit smooth solid wall PVC pipe.




## Cutting pipe - Mounting sealing ring

Cut pipe in a corrugation valley, using a fine tooth carpenter's saw. Mount sealing ring in first corrugation valley.



# Assortment

## Pragma® pipe

| RSK-nr | Dimension |
|---|---|
| 010724 | 160/139x6 m |
| 010725 | 200/174 |
| 010730 | 250/218 |
| 010735 | 315/276 |
| 010741 | 400/348 |
| 010750 | 500/435 |
| 010763 | 630/548 |
| 010709 | 160/139x3 m |
| 010711 | 200/174 |
| 010713 | 250/218 |
| 010715 | 315/276 |
| 010739 | 400/348 |
| | 500/435 |
| | 630/548 |

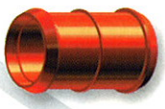
## Pragma® Bend

| RSK-nr | Dimension |
|---|---|
| 027224 | 160x45 ° |
| 027214 | 30 ° |
| 027204 | 15 ° |
| 027255 | 200x90 ° |
| 027225 | 45 ° |
| 027215 | 30 ° |
| 027205 | 15 ° |
| 027256 | 250x90 ° |
| 027226 | 45 ° |
| 027216 | 30 ° |
| 027206 | 15 ° |
| 027257 | 315x90 ° |
| 027227 | 45 ° |
| 027217 | 30 ° |
| 027207 | 15 ° |
| 027258 | 400x90 ° |
| 027228 | 45 ° |
| 027218 | 30 ° |
| 027208 | 15 ° |
| 027271 | 500x90 ° |
| 027270 | 45 ° |
| 027269 | 30 ° |
| 027268 | 15 ° |
| 027279 | 630x90 ° |
| 027278 | 45 ° |
| 027277 | 30 ° |
| 027276 | 15 ° |

## Pragma® Branch 45°

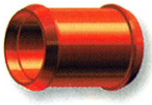
| RSK-nr | Dimension |
|---|---|
| 027109 | 200x110 |
| 027111 | 160 |
| 027112 | 200 |
| 027115 | 250x160 |
| 027116 | 200 |
| 027120 | 315x160 |
| 027121 | 200 |
| 027122 | 250 |
| 027127 | 400x200 |
| 027129 | 315 |
| 027164 | 500x200 |
| 027168 | 315 |
| 027170 | 400 |
| 027176 | 630x200 |
| 027180 | 315 |
| 027184 | 500 |

## Pragma® Double Socket



| RSK-nr | Dimension |
|---|---|
| 027724 | 160 |
| 027725 | 200 |
| 027726 | 250 |
| 027727 | 315 |
| 027728 | 400 |
| 027729 | 500 |
| 027730 | 630 |

## Pragma® Repair Socket



| RSK-nr | Dimension |
|---|---|
| 027704 | 160 |
| 027705 | 200 |
| 027706 | 250 |
| 027707 | 315 |
| 027708 | 400 |
| 027709 | 500 |
| 027710 | 630 |

## Pragma® Concrete Connector

| RSK-nr | Dimension |
|---|---|
| 021303 | 160 |
| 021304 | 200 |
| 021305 | 250 |
| 021306 | 315 |
| 021307 | 400 |

## Pragma® Concrete Adapter

| RSK-nr | Dimension |
|---|---|
| 021203 | 160 |
| 021204 | 200 |
| 021205 | 250 |
| 021206 | 315 |
| 021207 | 400 |

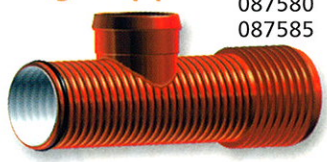
## Pragma® PVC Socket Adapter

| RSK-nr | Dimension |
|---|---|
| 145320 | 160 |
| 145330 | 200 |
| 145340 | 250 |
| 145350 | 315 |
| 145360 | 400 |
| 145370 | 500 |

## Pragma® Reducer Eccentric

| RSK-nr | Dimension |
|---|---|
| 027911 | 200x160 |
| 027913 | 250x200 |
| 027914 | 315x200 |
| 027915 | 315x250 |
| 027916 | 400x250 |
| 027917 | 400x315 |

## Straight through chamber for Pragma® pipes



| RSK-nr | Dimension |
|---|---|
| 087580 | 500x400 |
| 087585 | 630x400 |

## Pragma® PVC Adapter (sealing+ring)

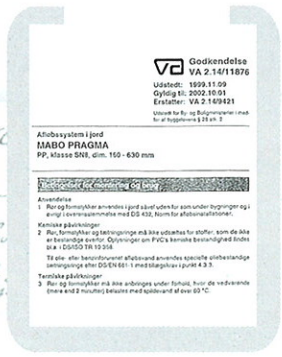
| RSK-nr | Dimension |
|---|---|
| 145120 | 160 |
| 145130 | 200 |
| 145140 | 250 |
| 145150 | 315 |
| 145160 | 400 |
| 145170 | 500 |

## Pragma® Sealing

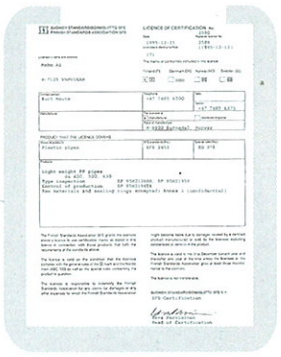
| RSK-nr | Dimension |
|---|---|
| 145220 | 160 |
| 145230 | 200 |
| 145240 | 250 |
| 145250 | 315 |
| 145260 | 400 |
| 145270 | 500 |
| 145280 | 630 |

# Pragma® Approvals

**Sverige Provnings KP83M**
**Sweden**

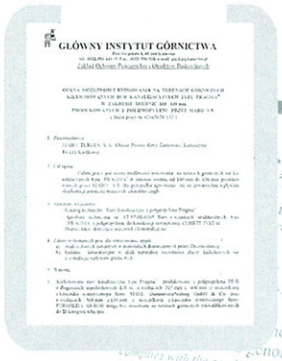



**ETA Danmark VA 2.14/111876**
**Denmark**



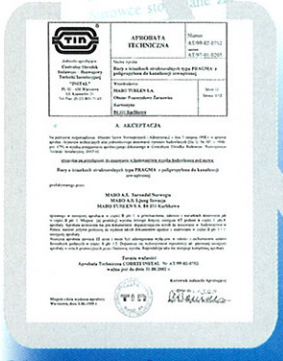
**Finnish Stadards Association SFS 2590**
**Finland**

**KIWA K12664/01**
**Holand**

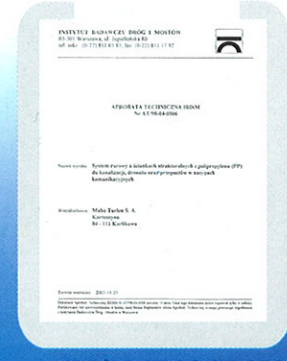



**Główny Instytut Górnictwa 42165058-132**
**Poland**

**COBTRI Instal AT/97-01-0250**
**Poland**




**COBTRI Instal AT/99-02-0752**
**Poland**

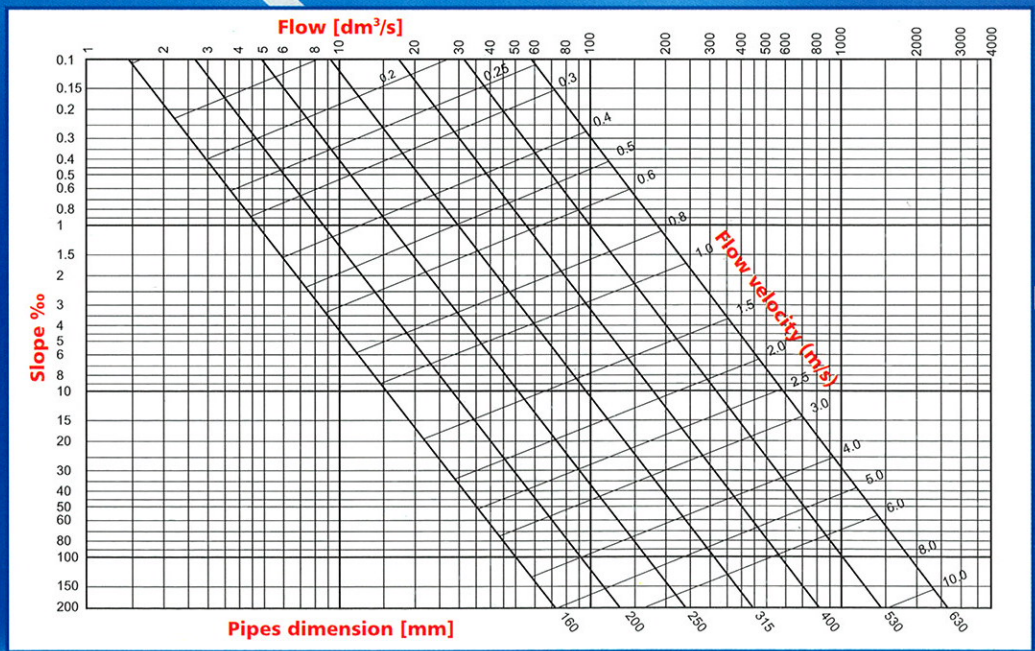



**IBDiM AT 98-04-0506**
**Poland**

## NOMOGRAPH

### of hydraulic parameters selection for Pragma® sewage pipes

drawn to Darcy-Weisbah / Colebrook-White formulas
for k=0,25 and temp. 10°C with 100% brim



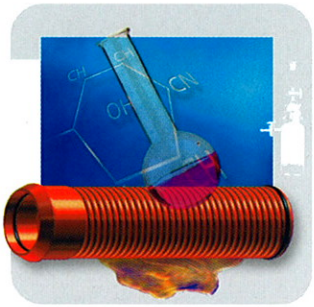
# Characteristic

**The Pragma® pipes have been designed for sanitary and rainwater sewage systems. The pipes can be used in the industrial sewage as jacket pipes for telecommunication cables as well as drainage pipes for roads, dumping grounds etc.**

**The raw material used for Pragma® pipes production is polypropylene co-polymer.**

## Resistant to high temperatures

up to 60°C for constant flow and up to 95-100°C for brief sewage passage.

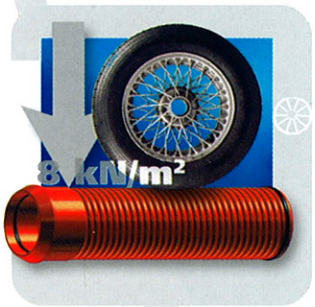


## High chemical resistance

both for aggressive sewage and an enviroment.

## Impact strength

Pragma® pipes are crack resistant, including temperatures below 0°C (up to 20°C) which makes transport and assembly easy in winter conditions.

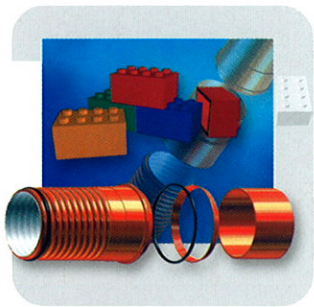



## Ring stiffness

Ring stiffness, which for the entire range of diameters equals 8 kN/m², puts the pipes in class T.

## Easy to carry

Pragma® pipes are very light and yet have high ring stiffness therefore they are easy to transport and place, which speeds up assembling.



## Easy to assemble

Pragma® pipes can be easily joined with smooth-wall PP and PVC pipes, and, cladding can be applied interchangeably in each system.

## Easy to cut

Pragma® pipes can be cut to any length with the use of the simplest tools.

PIPELIFE

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