

^{0.96}

150 100

0.84 0.41 50 KPa

0.82 1. 68

> 0.27 75 KPa

> 0.20 100 KPa

0.44 25 KPa

0.21

0.11 100 KPa

0.48 0.24

0.24 0.12 50

0.16 0.08

0.24 0.10 25 KPa

0.60 0.29

Z 50

z 100 KPa

0.24 0.16

75 KPa 100 KPa

75

25 KPa

100

REDUCER

VERTICAL BENDS, CREST

VALVES

min

АхВ

Width

PLAN

oad

KPa 50 0.14

KPa

KPa 25

KPa

KPa 50 75 KPa

e for thrust blocks to be N20 in accordance with AS 1379 and AS 3600 and shall be poured against undisturbed soil

acing a uPVC pipe in concrete a membrane of polythene, PVC or telt shall surround the pipe and titting it pipe movement in that concrete.

nsions in millimetres.

To the provincing to the first control with the following the province and
s to have a minimum area for anchors equal to the difference in corresponding area for dead ends of each reducer.
al bends in sag, the safe bearing loads of the various soils may be taken as twice those for horizontal thrust.
bted otherwise thrust blocks are required for valves $>$ Ø200mm and shall have a thrust area equal
a dead end. Also when in soft clay all valves shall have thrust blocks equal to that for a dead end.
<i>n</i> bolts to be M12 galvanised, minimum embedment length 300mm with 75 hook, cog of $50 \times 50 \times 6$
straps 40×6 M.S. galvanised plate bent to suit.
ock for materials with safe bearing load $<$ 25 KPa are to be engineer designed and detailed.
$_{ m i} > arrho 2$ 25mm the thrust blocks shall be engineer designed and detailed.
s shall be provided with thrust blocks formed against solid ground to transfer unbalanced forces from
solid ground.
thrust area 'N' shall be effected by class N20 concrete over full length of fitting, and extending in depth
bottom of the of the trench to at least 75mm above the top of the fitting.
d 'minimum thrust area for anchorage' apply for test pressure of 1200 kPa. Areas shall be adjusted
or other specified test pressures except that nominal thrust areas 'N' shall have to be calculated for
sure over 1200 kPa.
d dimensions of concrete blocks shown are diagrammatic only.
cing the concrete on a uPVC pipe, care shall be taken to avoid encasing the pipe completely. The
n encasement shall be 180°.
ging a LPVC nine in concrete a membrane of polythene PVC or felt shall surround the nine and fitting

Material	Safe Bearing Load (kPa)
Soft clay	25
Medium clay, Sandy Ioam	50
Sand & gravel, Hard clay	75
Sand & Gravel cemented with clay	100
Shale	240

For horizontal thrust blocks in trenches where the cover to pipe is > 450mm

SAFE BEARING LOADS (KPa)

				ت ر	ā	
documentation	ust	DICL tail pipe.	Flanged sluice	Thrust flange		

SLUICE VALVE (Ø200 OR MORE - SOFT CLAY)

(Refer note 4)

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THRUST BLOCK DETAILS

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