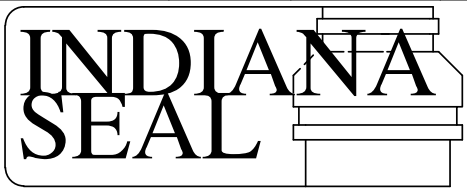


PART NO.	SIZE	DIM "A"	DIM "B"	PIPE Ø
MA-40i	4"	5.62	4.25	4.50
MA-60i	6"	7.60	6.20	6.62
MA-80i	8"	9.35	8.00	8.62
MA-100i	10"	11.30	9.95	10.75
MA-120i	12"	13.10	11.75	12.75
MA-140i	14"	14.25	12.90	14.00
MA-160i	16"	16.10	14.75	16.00
MA-180i	18"	17.85	16.50	18.00
MA-200i	20"	19.75	18.40	20.00
MA-240i	24"	23.45	22.10	24.00



A GPK PRODUCTS Company

FOR REFERENCE ONLY DIMENSIONS SUBJECT TO CHANGE

TITLE
**MANHOLE ADAPTER
IPS PIPE**

1-800-428-5309 FARGO, ND

DATE 07-30-13

SCALE NONE

PART NO. MA-XXXi



MANHOLE ADAPTERS

SUBMITTAL SHEET

1.0 Manhole Adapters supplied by Indiana Seal are manufactured from SBR compound and will accommodate a wide range of pipe material in sizes from 4” through 27” diameters and are also available in custom sizes upon request.

2.0 Manhole Adapter Product Benefits

- Engineered to eliminate leaks around the pipe entrance to manhole walls.
- The durable design and flexibility of these water stops allows pipe movement without damaging the seal joint.
- The adapters are particularly useful for pipe lacking compatibility with concrete.

ASTM Physical Requirements:

Hardness	Shore A	D2240	40 to 60
Low Temperature Hardness after 22h at -10°C	Shore A	D2240	15 max
Tensile Strength	MPa	D412	8.3 min
Ultimate Elongation	%	D412	325 min
Compression Set 22h at 70°C	%	D395	25 max
Accelerated Aging 96h at 70°C	points	D573	8 max
Hardness Change	%		-15 max
Tensile Change	%		-20 max
Elongation Change			
Water immersion 48h at 70°C, Volume Change	%	D471	5 max
O ₃ Resistance 72h at 40°C 50pphm 20% Elong.	Appearance	D1149	No Cracks
PVC Compatibility 96h at 70°C	Appearance	F477	No Cracks