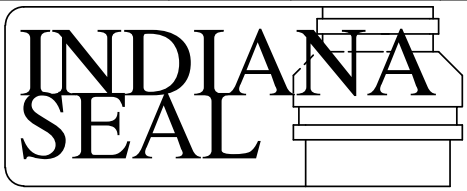


| PART NO. | SIZE | DIM "A" | DIM "B" | PIPE Ø |
|----------|------|---------|---------|--------|
| MA-40i | 4" | 5.62 | 4.25 | 4.50 |
| MA-60i | 6" | 7.60 | 6.20 | 6.62 |
| MA-80i | 8" | 9.35 | 8.00 | 8.62 |
| MA-100i | 10" | 11.30 | 9.95 | 10.75 |
| MA-120i | 12" | 13.10 | 11.75 | 12.75 |
| MA-140i | 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 |