



**MELT PRESSURE
TRANSDUCERS & TRANSMITTERS**

300 Industrial Drive, Grand Island, NY 14072 USA
Tel. (716)775-8830 • Fax (716)775-8020 • sales@gp50.com • www.gp50.com

Product Specification Sheet

RUPTURE DISKS (BLOW-OUT PLUGS)

Model RDEB

Assemblies designed for over-pressure protection of plastic extrusion processes.

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MELT PLUGS (SOLID PLUGS)

Model MP30

Solid steel plugs to fill previously used holes. Provides no pressure relief.



FEATURES:

- Assembly consists of a threaded tubular body with a rupture disk soldered onto the process end.
- One piece construction
- 300 series SS body material, other materials available
- Burst ratings 750 to 15,000 psig
- Burst tolerance: $\pm 10\%$
- Re-disking available
- Assembly is mounted directly into the extruder equipment through a pressure port or thermocouple-well where critical pressures occur.

INSTALLATION:

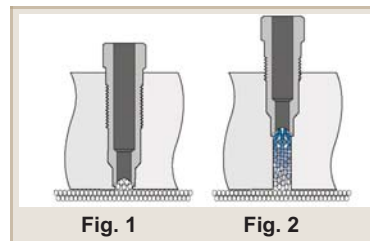
It is generally good practice to inspect the mounting hole before installation and prevent any chance of leakage. Remove any polymer that might have built up in the hole. This can be done easily with GP:50's Mounting Hole Cleaning Kit (Model HCKAA).

Insert the proper burst range rupture disk in the mounting hole to approximately 100-200 inch pounds of torque.



It is imperative that the Rupture Disk be installed in a position that insures any discharge of hot polymer will not create a hazard to personnel in the area.

It is important that the rupture disk is mounted flush with the inner wall of the extrusion device. (see Fig. 1) An improperly designed device would present an area for excessive product build-up, rendering the disk ineffective. (see Fig. 2)



GP:50 reserves the right to make product improvements and amendments to the product specifications stated throughout this brochure without prior notification. Please contact the factory on all critical dimensions and specifications for verification.



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Specifications reflect standard product, improved performance/mechanical options available. Modifications may alter specs, consult factory for more information.

ORDERING GUIDE

Model: XXXX - XXX - XX / XX / XX

MODEL	
RDEB	Rupture Disk
MP30	Solid Plug

LENGTH & CONFIGURATION	
1SL	1" Rupture Disk with Slotted Head *
2SL	2" Rupture Disk with Slotted Head *
3H	3" Rupture Disk with Hex Head *
4H	4" Rupture Disk with Hex Head *
6H	6" Rupture Disk with Hex Head *
7H	7" Rupture Disk with Hex Head *
9H	9" Rupture Disk with Hex Head *
12H	12" Rupture Disk with Hex Head *

* Length defined as length under hex head

OPTIONS	
Blank	None
1/4 NPT	1/4" NPT Discharge Connection
1/2 NPT	1/2" NPT Discharge Connection

THREAD TYPE	
Blank	1/2-20 UNF 2A
5/8	5/8x11 NC (RD4H, RD6H, RD9H only)
3/4	3/4x16 UNF 2A Full Thread
3/4s	3/4x16 UNF 2A Short Thread
M18	M18x1.5 (RD6H, RD12H only)

PRESSURE RANGE			
1.5M	1,500 PSI	7.5M	7,500 PSI
2.5M	2,500 PSI	8.5M	8,500 PSI
3.5M	3,500 PSI	9M	9,000 PSI
4.5M	4,500 PSI	9.5M	9,500 PSI
5M	5,000 PSI	10M	10,000 PSI
5.5M	5,500 PSI	12.5M	12,500 PSI
6.5M	6,500 PSI	15M	15,000 PSI