

HROTTON

HAGER® CONTINUOUS GEARED HINGES™

Architect / End User Fire Rating Sheet

Underwriters Laboratories Fire Rating / File #R14627 Classified in Masonry or Drywall

780-041	780-053	780-112	780-210 HD
780-041 HD	780-053 HD	780-112 HD	780-211
780-045	780-054	780-112 LL	780-224
780-045 HD	780-054 HD	780-157	780-224 HD
780-046	780-057	780-157 HD	780-224 LL
780-046 HD	780-057 HD	780-210	780-257 HD
			780-300 HD

- For use on swing type fire doors of hollow metal, tinclad, sheetmetal and steel covered composite type rated up to and including 3 Hours.
- Wood composite doors rated up to and including 1 1/2 hours.
- Wood core rated up to 20 minutes without hose stream.

Maximum Door Size:	Single	Double	Thickness
	<u>4'0" X 10'0"</u>	<u>8'0" x 10'0"</u>	<u>1 3/4"</u>

- For Underwriters Laboratories fire rating, use UL as a designation, see example below:
Example: 780-224 HD UL 85" Clear

Standard Roton lengths available – 79", 83", 85", 95", and 119"
• Custom lengths are also available under 119"

Warnock Hersey Fire Rating / File #WHI-495-PSV-0944

780-112	780-224
780-112 HD	780-224 HD
780-112 LL	780-224 LL

- 90 Minute Fire Rated Steel Frames Mounted in Masonry Wall with Hollow Metal Door (Door Hinge Edge and Frame – Minimum 16 Gauge Steel)
- 45 Minute Fire Rated Steel Frame Mounted in Masonry Wall with Wood or Steel Door
- 20 Minute Fire Rated Steel Frame Mounted in Drywall with Wood or Steel Door

Maximum Door Size:	Single	Double	Thickness
	<u>4'0" X 9'0"</u>	<u>8'0" x 9'0"</u>	<u>1 3/4"</u>

- * For Warnock Hersey fire rating, use FF as a designation, see example below:
Example: 780-224 HD 83" FF Clear

Standard Roton lengths available – 79", 83", 85", 95", and 107"
• Custom lengths are also available under 107"

Contact St. Louis Sales Office or Sales Representative for product information.

Hager Hinge Company / 139 Victor Street / St. Louis, MO 63104
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1-800-325-9995 1-800-782-0149