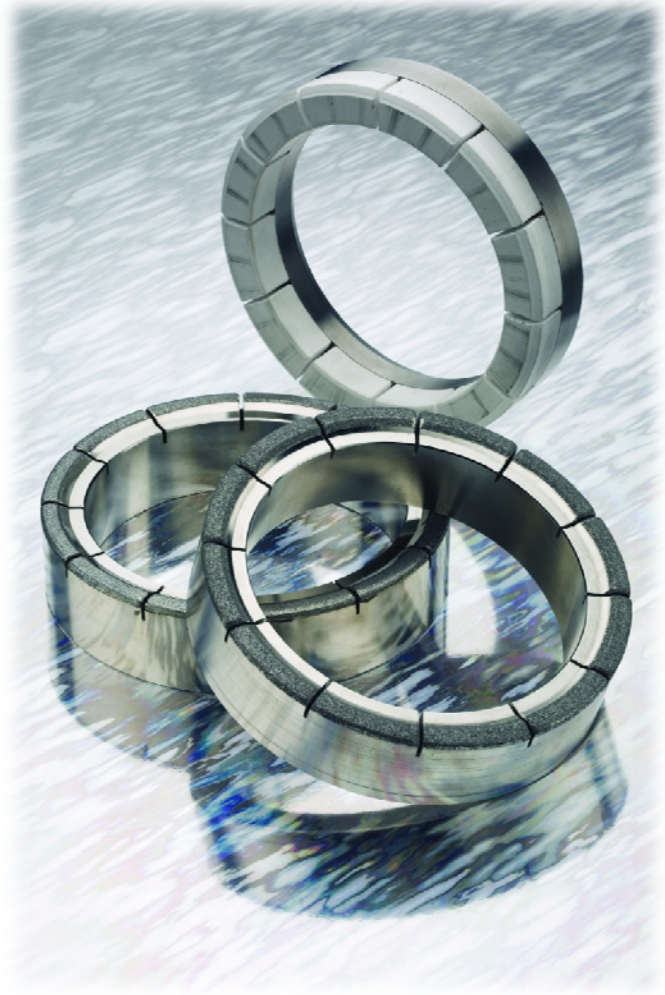




Leader in Superabrasive Finishing Systems

Hyprez Conditioning Rings & Work Rings



For The Ultimate in Surface Finish

Engis manufactures two types of conditioning rings for lapping applications.

- **Diamond-Plated Conditioning Rings** remove the previous layer of charged diamond, presenting a new face to be charged with fresh particles. They can also be used to bring the lapping plate back into its original flatness and parallelism. Hyprez diamond-plated conditioning rings:
 - are designed specifically for Hyprez HY composite lapping plate maintenance
 - are engineered to consistently regenerate surface texture and flatness of composite lap plates
 - eliminate varying results usually associated with conventional abrasive reconditioning
 - are available for lap plates from 12" up to 42"
- **Stainless Steel-Backed Ceramic Work Rings** not only serve to charge diamond particles into the lapping plate, but also to hold the parts carriers in position. The rings are:
 - backed with 304 stainless steel for greater tensile strength
 - highly resistant to corrosion
 - available for 12", 15", 18", 24", 28", 36" and 42" lap plates

These rings, like all Engis manufactured products, comply with our ISO 9001:2008 Quality Management System ensuring you consistently receive high quality and high performance products.

ENGIS® & HYPREZ® A Reputation for Diamond Excellence

- Known the world over for the development of advanced diamond concepts that produce superior surface finishes, **Hyprez** offers you complete lapping systems and technical assistance.
- With more than 70 years of experience in lapping with diamond, the Engis and Hyprez names remain synonymous with high precision, high quality products.

TO COMPLETE YOUR SYSTEM, ENGIS ALSO OFFERS:

- The finest in diamond compound and slurries.
- Our MiniMiser® microprocessor-based spray unit for precise metering of diamond slurries at pre-set intervals.
- The Autostirrer that keeps the diamond completely dispersed during the lapping process.
- Precision flat-lapping and polishing machines, parts and accessories.
- Our Process Development Laboratory where we develop cost-saving procedures for your individual process.

ENGIS CORPORATION

Leaders in Superabrasive Finishing Systems

105 W. Hintz Road, Wheeling, IL 60090-6038

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www.engis.com

HCR-003-0710

LAPPING / POLISHING





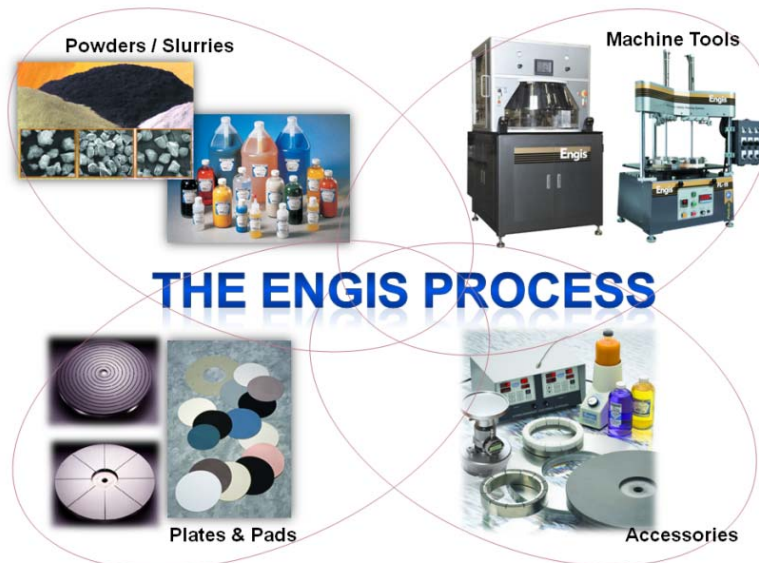
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LAPPING / POLISHING

Part Number	Plate Dia.	Outside Dia.	Inside Dia.	Height	Designed For
STAINLESS STEEL BACKED CERAMIC CONDITIONING RINGS					
LM0283	12"	5-5/8"	4-1/4"	1-5/8"	12" Dia Lap Plate with 3" Center Recess
LM0285	15"	7"	5-1/2"	1-5/8"	15" Dia Lap Plate with 4" Center Recess
LM1491	18"	8-1/2"	7-1/16"	1-5/8"	18" Dia Lap Plate with 4" Center Recess
LM0286	24"	11-1/4"	9-3/4"	2-1/8"	24" Dia Lap Plate with 4-1/2" Center Recess
LM0287	28"	13-7/8"	12"	2-1/8"	28" Dia Lap Plate with 4-1/2" Center Recess 32" Dia Lap Plate with 8" Center Recess
LM0312	36"	16-1/2"	14-1/2"	2-1/2"	36" Dia Lap Plate with 6-3/4" Center Recess
LM0313	42"	19-3/4"	17"	2-1/2"	48" Dia Lap Plate with 8" Center Recess
DIAMOND PLATED CONDITIONING RINGS (custom sizes are available upon request)					
PCR-101	12"	5-5/8"	4-1/4"	-	12" Dia Lap Plate with 3" Center Recess
PCR-102	15"	7"	5-1/2"	-	15" Dia Lap Plate with 4" Center Recess
PCR-110	18"	8-1/2"	7"	-	18" Dia Lap Plate with 4" Center Recess
PCR-103	24"	9-3/4"	8-1/2"	-	24" Dia Lap Plate with 7" Center Recess
PCR-104	24"	11-1/4"	9-3/4"	-	24" Dia Lap Plate with 4-1/2" Center Recess
PCR-108	28"	13-7/8"	12"	-	28" Dia Lap Platen with 4-1/2" Center Recess
PCR-106	36"	16-1/2"	14-1/2"	-	36" Dia Lap Plate with 6-3/4" Center Recess
PCR-109	42"	19-3/4"	17"	-	42" Dia Lap Plate with 8" Center Recess
CONDITIONING RING ACCESSORIES					
Hyprez Parts Carriers	Designed to increase productivity while attaining precision surface flatness and finish. Available in FR-4 (recognized as a necessity for superior semiconductor finishes) and conventional phenolic plastic in various diameters and thickness. Machining is also available.				
Hyprez Rubber Pads	Supports greater productivity when lapping parts of varying thickness. Designed to apply even pressure to all parts. Available in 1/2" thick soft rubber and 1/8" hard rubber.				

*ENGIS is the Industry Leader
in Pioneering New
Technologies & Applications.*

*Contact us today to
learn more about our
6-Step Superabrasive
"Systems Approach"*



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