

### Center Lap



Better for Excell-O center lap and similar machines

## CENTER LAP ALUMINUM OXIDE - VITRIFIED BOND

- Specially formulated wheel treatment provides added lubricity to the wheel, minimizing risk of metallurgical damage
- The larger diameter spindle ensures minimal deflection and rigid support
- Precise dimensional tolerances ensure accurate location of part centers

TIER: **BETTER**  
 TRADENAME: **CENTER LAP**  
 ABRASIVE: Aluminum Oxide

SHAPE	SIZE (D x T)	SPINDLE DIA.†	MAX. RPM*	MIN./STD. PKG.	SPEC	PART #
<b>Center Lap Mounted Points</b>						
–	1/2 x 2**	1/2	65,000	5/25	A80-VVM	614636 <b>21421</b>
–	1 x 2**	1/2	15,900	5/25	A80-VVM	614636 <b>22926</b>

† Spindle length is 1-1/4"

\* Maximum RPM valid to 1/2" overhang. See package insert for other overhangs.

\*\* Pointed 60°

### TECH TIP

Dress the center lap mounted points frequently to ensure accurate and smooth center holes.



It is the user's responsibility to refer to and comply with ANSI B7.1

### Resin Bond



Best choice for fast stock removal

## NORZON ZIRCONIA ALUMINA – RESIN BOND

- Zirconia alumina abrasive blend for 2X faster cut rate than standard aluminum oxide
- Strong grain and specially formulated organic bond provide 4X greater life than aluminum oxide points, while reducing vibration and wheel chatter
- Ideal for removing parting lines, fins and small risers from castings, and smoothing and blending of welded areas



Better choice for fast stock removal and long life

## CHARGER Z/A & A/O BLEND – RESIN BOND

- Durable zirconia alumina and aluminum oxide abrasive blend delivers 35% faster cut rate than standard aluminum oxide; an aggressive, free cut, and more parts cleaned in less time to substantially increase productivity
- Specially formulated organic bond provides 2X greater life than standard resin bonds while reducing vibration and wheel chatter
- Better choice for removing parting lines, fins and small risers from castings, and smoothing and blending welded areas
- Charger mounted point pre-packed in small packages are ideal for vending machines, pegboards, small jobs, and carrying to job site

TIER: **BEST** **BETTER**  
 TRADENAME: **NORZON** **CHARGER**  
 ABRASIVE: Zirconia Alumina Zirconia Alumina/Aluminum Oxide

SHAPE	SIZE (D x T)	SPINDLE DIA.†	MAX. RPM*	MIN./STD. PKG.	SPEC	PART #	SPEC	PART #
<b>Resin Bond Mounted Points</b>								
A1	3/4 x 2-1/2	1/4	19,800	5/25	NZ24-UBXR1	614636 <b>16457</b>	Charger	614636 <b>16458</b>
A3	1 x 2-3/4	1/4	16,100	5/25	NZ24-UBXR1	614636 <b>16459</b>	Charger	614636 <b>16460</b>
A5	3/4 x 1-1/8	1/4	45,000	5/25			Charger	614636 <b>16462 NS</b>
A11	7/8 x 2	1/4	19,860	5/25	NZ24-UBXR1	614636 <b>16463</b>	Charger	614636 <b>16464</b>
W189	1/2 x 2	1/4	24,000	5/25	NZ24-UBXR1	614636 <b>16465</b>	Charger	614636 <b>16466</b>
W197	5/8 x 2	1/4	21,000	5/25	NZ24-UBXR1	614636 <b>16467</b>		
W207	3/4 x 1-1/2	1/4	24,000	5/25			Charger	614636 <b>16470</b>
W208	3/4 x 2	1/4	18,750	5/25	NZ24-UBXR1	614636 <b>16471</b>		
W220	1 x 1	1/4	25,500	5/25	NZ24-UBXR1	614636 <b>17520</b>	Charger	614636 <b>17521</b>
			25,500	5 V				
W221	1 x 1-1/2	1/4	19,120	5/25	NZ24-UBXR1	614636 <b>16473</b>	Charger	614636 <b>16474</b>
W222	1 x 2	1/4	15,900	5/25	NZ24-UBXR1	614636 <b>16475</b>	Charger	614636 <b>16476</b>

† Spindle length is 1-1/2"

\* Maximum RPM valid to 1/2" overhang. See package insert for other overhangs.

NS Non-stock; contact your Norton representative for current order quantities and lead times.

