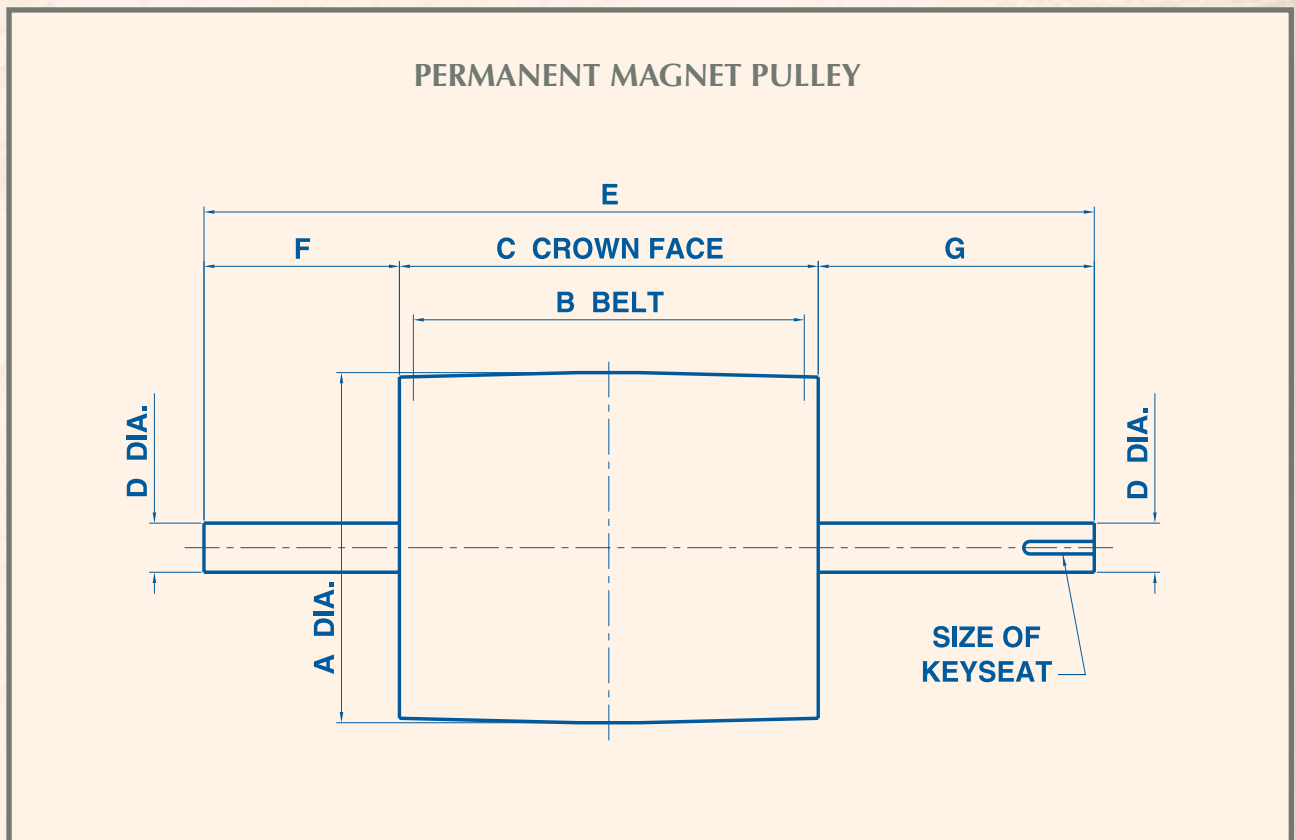


## **STEARNS** PERMANENT MAGNET PULLEYS **...install it once and it serves forever!**

These permanent magnet pulleys are application-engineered to give you exceptional performance and reliable, long-term service. These pulley products provide:

- Quality Heavy Duty Design
- Deep Field Penetration
- No DC Power Required
- Economic, Automatic Separation

Stearns' exclusive, patented continuous "Radial Pole" design incorporates the use of unique, wedge-shaped magnets that permit packing more magnetic material into the pulley pockets. **Result:** Stearns pulleys provide more lines of flux and a magnetic field of maximum intensity.



**Need an even stronger magnetic field for those tough applications?  
 ASK FOR *STEARNS* SUPER 710 MODEL MAGNETIC PULLEYS!**

### **STEARNS** SUPER 710 MODEL MAGNETIC PULLEYS...

Begin at a 24-inch diameter and incorporate a double stack of our exclusive, wedge shaped magnets. A non-magnetic stainless steel shaft is standard to produce the maximum magnetic attraction force.

**TECHNICAL SPECIFICATIONS AND DIMENSIONS (INCHES)\***

| PULLEY MODEL | A DIA. | B BELT WIDTH | C CROWNED FACE | CAPACITY    | APPROX. WT. | D DIA.  | E      | F     | G      | KEY SEAT              |
|--------------|--------|--------------|----------------|-------------|-------------|---------|--------|-------|--------|-----------------------|
|              |        |              |                | Cu. ft./hr. | (lbs.)      |         |        |       |        |                       |
| SERIES 710   |        |              |                |             |             |         |        |       |        |                       |
| 1212         | 12     | 12           | 14             | 1,100       | 222         | 1-15/16 | 29-1/2 | 6     | 9-1/2  | 1/2 x 1/4 x 3-3/4     |
| 1214         | 12     | 14           | 16             | 1,200       | 249         | 1-15/16 | 31-1/2 | 6     | 9-1/2  | 1/2 x 1/4 x 3-3/4     |
| 1216         | 12     | 16           | 18             | 1,425       | 274         | 1-15/16 | 33-1/2 | 6     | 9-1/2  | 1/2 x 1/4 x 3-3/4     |
| 1218         | 12     | 18           | 20             | 1,850       | 299         | 1-15/16 | 35-1/2 | 6     | 9-1/2  | 1/2 x 1/4 x 3-3/4     |
| 1220         | 12     | 20           | 22             | 2,300       | 348         | 1-15/16 | 37-1/2 | 6     | 9-1/2  | 1/2 x 1/4 x 3-3/4     |
| 1224         | 12     | 24           | 26             | 3,500       | 408         | 2-3/16  | 42-1/2 | 6-1/2 | 10     | 1/2 x 1/4 x 3-3/4     |
| 1512         | 15     | 12           | 14             | 1,350       | 295         | 2-3/16  | 30-1/2 | 6-1/2 | 10     | 1/2 x 1/4 x 3-3/4     |
| 1514         | 15     | 14           | 16             | 1,475       | 361         | 2-3/16  | 32-1/2 | 6-1/2 | 10     | 1/2 x 1/4 x 3-3/4     |
| 1516         | 15     | 16           | 18             | 1,750       | 365         | 2-3/16  | 34-1/2 | 6-1/2 | 10     | 1/2 x 1/4 x 3-3/4     |
| 1518         | 15     | 18           | 20             | 1,850       | 398         | 2-3/16  | 36-1/2 | 6-1/2 | 10     | 1/2 x 1/4 x 3-3/4     |
| 1520         | 15     | 20           | 22             | 2,700       | 479         | 2-7/16  | 38-1/2 | 6-1/2 | 10     | 5/8 x 5/16 x 3-3/4    |
| 1524         | 15     | 24           | 26             | 4,000       | 560         | 2-11/16 | 44-1/2 | 7-1/2 | 11     | 5/8 x 5/16 x 3-3/4    |
| 1530         | 15     | 30           | 32             | 6,250       | 731         | 2-15/16 | 51-1/2 | 8     | 11-1/2 | 3/4 x 3/8 x 3-3/4     |
| 1816         | 18     | 16           | 18             | 2,225       | 512         | 2-7/16  | 35-1/2 | 7     | 10-1/2 | 5/8 x 5/16 x 3-3/4    |
| 1818         | 18     | 18           | 20             | 2,800       | 559         | 2-7/16  | 37-1/2 | 7     | 10-1/2 | 5/8 x 5/16 x 3-3/4    |
| 1820         | 18     | 20           | 22             | 3,500       | 672         | 2-11/16 | 40-1/2 | 7-1/2 | 11     | 5/8 x 5/16 x 3-3/4    |
| 1824         | 18     | 24           | 26             | 4,500       | 800         | 2-15/16 | 45-1/2 | 8     | 11-1/2 | 3/4 x 3/8 x 3-3/4     |
| 1830         | 18     | 30           | 32             | 7,100       | 1,024       | 2-15/16 | 51-1/2 | 8     | 11-1/2 | 3/4 x 3/8 x 3-3/4     |
| 1836         | 18     | 36           | 38             | 11,000      | 1,260       | 3-7/16  | 60-1/2 | 9     | 13-1/2 | 7/8 x 7/16 x 4-3/4    |
| 1842         | 18     | 42           | 44             | 14,950      | 2,010       | 3-15/16 | 68-1/2 | 10    | 14-1/2 | 1 x 1/2 x 4-3/4       |
| 1848         | 18     | 48           | 50             | 20,000      | 2,317       | 3-15/16 | 74-1/2 | 10    | 14-1/2 | 1 x 1/2 x 4-3/4       |
| 2018         | 20     | 18           | 20             | 3,200       | 634         | 2-7/16  | 37-1/2 | 7     | 10-1/2 | 5/8 x 5/16 x 3-3/4    |
| 2020         | 20     | 20           | 22             | 3,900       | 762         | 2-11/16 | 40-1/2 | 7-1/2 | 11     | 5/8 x 5/16 x 3-3/4    |
| 2024         | 20     | 24           | 26             | 5,000       | 909         | 2-15/16 | 45-1/2 | 8     | 11-1/2 | 3/4 x 3/8 x 3-3/4     |
| 2030         | 20     | 30           | 32             | 8,000       | 1,218       | 3-7/16  | 54-1/2 | 9     | 13-1/2 | 7/8 x 7/16 x 4-3/4    |
| 2036         | 20     | 36           | 38             | 11,750      | 1,475       | 3-7/16  | 60-1/2 | 9     | 13-1/2 | 7/8 x 7/16 x 4-3/4    |
| 2042         | 20     | 42           | 44             | 17,000      | 2,108       | 3-15/16 | 68-1/2 | 10    | 14-1/2 | 1 x 1/2 x 4-3/4       |
| 2048         | 20     | 48           | 50             | 23,000      | 2,415       | 3-15/16 | 74-1/2 | 10    | 14-1/2 | 1 x 1/2 x 4-3/4       |
| 2418         | 24     | 18           | 20             | 3,850       | 807         | 2-15/16 | 39-1/2 | 8     | 11-1/2 | 3/4 x 3/8 x 3-3/4     |
| 2420         | 24     | 20           | 22             | 4,700       | 952         | 2-15/16 | 41-1/2 | 8     | 11-1/2 | 3/4 x 3/8 x 3-3/4     |
| 2424         | 24     | 24           | 26             | 5,800       | 1,165       | 3-7/16  | 48-1/2 | 9     | 13-1/2 | 7/8 x 7/16 x 4-3/4    |
| 2430         | 24     | 30           | 32             | 9,000       | 1,529       | 3-15/16 | 56-1/2 | 10    | 14-1/2 | 1 x 1/2 x 4-3/4       |
| 2436         | 24     | 36           | 38             | 13,250      | 1,800       | 3-15/16 | 62-1/2 | 10    | 14-1/2 | 1 x 1/2 x 4-3/4       |
| 2442         | 24     | 42           | 44             | 19,000      | 2,742       | 4-7/16  | 71-1/2 | 11    | 16-1/2 | 1-1/8 x 9/16 x 5-3/4  |
| 2448         | 24     | 48           | 50             | 26,000      | 3,150       | 4-7/16  | 77-1/2 | 11    | 16-1/2 | 1-1/8 x 9/16 x 5-3/4  |
| 3024         | 30     | 24           | 26             | 6,600       | 1,515       | 3-15/16 | 50-1/2 | 10    | 14-1/2 | 1 x 1/2 x 4-3/4       |
| 3030         | 30     | 30           | 32             | 10,500      | 2,040       | 4-7/16  | 59-1/2 | 11    | 16-1/2 | 1-1/8 x 9/16 x 5-3/4  |
| 3036         | 30     | 36           | 38             | 15,500      | 3,440       | 4-7/16  | 69-1/2 | 11    | 16-1/2 | 1-1/8 x 9/16 x 5-3/4  |
| 3042         | 30     | 42           | 44             | 21,000      | 4,100       | 4-15/16 | 75-1/2 | 12    | 19-1/2 | 1-1/4 x 5/8 x 7-3/4   |
| 3048         | 30     | 48           | 50             | 30,500      | 4,700       | 4-15/16 | 81-1/2 | 12    | 19-1/2 | 1-1/4 x 5/8 x 7-3/4   |
| 3624         | 36     | 24           | 26             | 7,500       | 1,990       | 4-7/16  | 53-1/2 | 11    | 16-1/2 | 1-1/8 x 9/16 x 5-3/4  |
| 3630         | 36     | 30           | 32             | 11,500      | 2,510       | 4-7/16  | 59-1/2 | 11    | 16-1/2 | 1-1/8 x 9/16 x 5-3/4  |
| 3636         | 36     | 36           | 38             | 17,000      | 4,400       | 4-15/16 | 69-1/2 | 12    | 19-1/2 | 1-1/4 x 5/8 x 7-3/4   |
| 3642         | 36     | 42           | 44             | 24,500      | 5,200       | 4-15/16 | 75-1/2 | 12    | 19-1/2 | 1-1/4 x 5/8 x 7-3/4   |
| 3648         | 36     | 48           | 50             | 32,750      | 5,950       | 5-7/16  | 84-1/2 | 13    | 21-1/2 | 1-3/8 x 11/16 x 8-3/4 |
| 4230         | 42     | 30           | 32             | 13,500      | 3,055       | 4-15/16 | 63-1/2 | 12    | 19-1/2 | 1-1/4 x 5/8 x 7-3/4   |
| 4236         | 42     | 36           | 38             | 18,750      | 5,490       | 5-7/16  | 72-1/2 | 13    | 21-1/2 | 1-3/8 x 11/16 x 8-3/4 |
| 4242         | 42     | 42           | 44             | 26,750      | 6,300       | 5-15/16 | 81-1/2 | 14    | 23-1/2 | 1-1/2 x 3/4 x 9-3/4   |
| 4248         | 42     | 48           | 50             | 37,000      | 7,280       | 6-7/16  | 91-1/2 | 16    | 25-1/2 | 1-5/8 x 13/16 x 9-3/4 |
| 4830         | 48     | 30           | 32             | 13,500      | 3,580       | 5-7/16  | 66-1/2 | 13    | 21-1/2 | 1-3/8 x 11/16 x 8-3/4 |
| 4836         | 48     | 36           | 38             | 20,500      | 6,700       | 5-15/16 | 75-1/2 | 14    | 23-1/2 | 1-1/2 x 3/4 x 9-3/4   |
| 4842         | 48     | 42           | 44             | 29,000      | 7,400       | 5-15/16 | 81-1/2 | 14    | 23-1/2 | 1-1/2 x 3/4 x 9-3/4   |
| 4848         | 48     | 48           | 50             | 40,000      | 8,460       | 6-15/16 | 91-1/2 | 16    | 25-1/2 | 1-3/4 x 7/8 x 9-3/4   |

**PULLEY SERIES 710 - DESIRED MAXIMUM CONVEYOR BELT SPEED IN FEET PER MINUTE**

|                 |     |     |     |     |     |     |     |     |     |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pulley Diameter | 12" | 15" | 18" | 20" | 24" | 30" | 36" | 42" | 48" |
| Maximum Speed   | 175 | 200 | 225 | 250 | 285 | 330 | 365 | 400 | 435 |

\* FOR SIZES NOT SHOWN, CONTACT FACTORY.