

## **X series Industrial Gear Unit:**

Rugged ... Reliable ... Reversible



## Global Availability, Local Support

Created by SEW-Eurodrive in Bruchsal, Germany, the X series is relied upon by the world's most demanding industrial applications in places such as Europe, Australia, Finland, China, and South Africa. Successfully proven, the rugged X series is now available locally in North America with engineering and assembly in Lyman, South Carolina.

World class quality + Local availability + Local support ... the wait is over!

## Features and Benefits

### Features

- Extremely robust housing
- Helical or helical-bevel gear unit
- Single-piece or split gear unit housing
- Reversible housing; can be inverted for either right-hand or left-hand shaft location
- Universal mounting positions
- Distinctive modular technology
- Large selection of standard accessories
- Standard solutions designed for specific applications
- Either CCW or CW rotation

### Benefits

- High power density reduces weight and cost
- 23 available sizes! Avoids unnecessary oversizing and costs.
- Innovative/patented cooling systems eliminate expensive alternatives
- Less inventory/spares
- Local engineering and application support provided for proper sizing
- Short delivery for standard versions and spare parts
- Worldwide service
- Customization? No problem!

### Preferred Applications

- Conveyor systems used in the mining, chemical, food, and feed industries
- Environmental industry
- Agitators and mixers
- Timber and paper industry
- Steel industry
- Bucket elevators in bulk material handling
- Shredders / disintegrators
- Travel drive for cranes
- Plastics industry

## Size and Torque Capacity

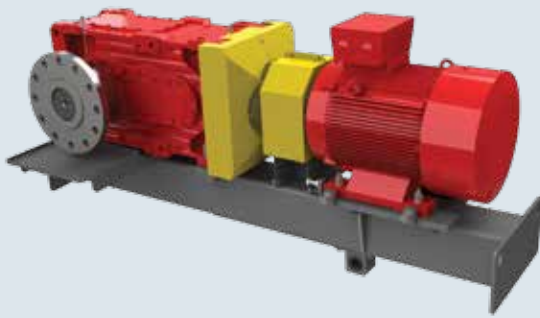
### Gear ratios and torques

**X.F.. helical gear units: 2, 3 and 4 stages, gear ratio  $i = 6.3$  to 450**

**X.K.. bevel-helical gear units: 2, 3 and 4 stages, gear ratio  $i = 6.3$  to 450**

**X.T.. bevel-helical gear units : 3 and 4 stages, gear ratio  $i = 12.5$  to 450**

| Gear unit size | Torque capacity<br>$M_{N2}$ [lb-in] | Gear unit size | Torque capacity<br>$M_{N2}$ [lb-in] |
|----------------|-------------------------------------|----------------|-------------------------------------|
| 100            | 60,200                              | 220            | 991,000                             |
| 110            | 75,200                              | 230            | 1,159,000                           |
| 120            | 113,000                             | 240            | 1,381,000                           |
| 130            | 142,000                             | 250            | 1,549,000                           |
| 140            | 195,000                             | 260            | 1,814,000                           |
| 150            | 243,000                             | 270            | 2,124,000                           |
| 160            | 319,000                             | 280            | 2,390,000                           |
| 170            | 398,000                             | 290            | 2,726,000                           |
| 180            | 513,000                             | 300            | 3,098,000                           |
| 190            | 575,000                             | 310            | 3,761,000                           |
| 200            | 699,000                             | 320            | 4,204,000                           |
| 210            | 797,000                             |                |                                     |



### Complete Drive Systems including:

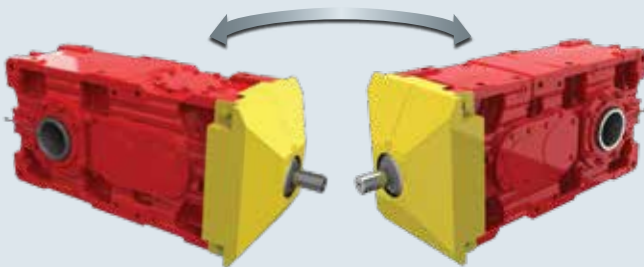
- Couplings
- Swing bases/bed plates
- Torque arms
- Motors



### Application Specific Gear Units:

- Hi-speed conveyor drives with thermal housings
- Floatation cell drives
- Bucket elevator drives
- Mixing and Agitating
- Extrusion

Reversible gear unit housing



### Reversible Housing Design:

- High flexibility with conveyor drives
- Right-hand or Left-hand shaft location available in one unit
- Less inventory/spares



### Taconite Heavy Duty Sealing System:

- Abrasive environments:
  - Mining
  - Cement
- Labyrinth sealing path
- Grease purgeable
- Laminar rings prevent grease from getting pumped into gear unit seals



### Innovative Cooling Systems:

- Patented cooling cover (as shown)
  - Air cooled (with fan)
  - Water cooled
    - ↳ Easy clean
    - ↳ No water risk inside gear unit
- Advanced fan (allows the use of brakes, couplings)
- Exclusive thermal housing (optional)



**SEW-EURODRIVE**  
Driving the world

## SEW-EURODRIVE ... Wherever you are, we are

### North America:

**Midwest Region  
Assembly Center  
SEW-Eurodrive, Inc.**  
Troy, OH 45373  
Tel. (937) 335-0036  
Fax (937) 332-0038  
cstroy@seweurodrive.com

**Northeast Region  
Assembly Center  
SEW-Eurodrive, Inc.**  
Bridgeport, NJ 08014  
Tel. (856) 467-2277  
Fax (856) 845-3179  
csbridgeport@seweurodrive.com

**Southeast Region  
Assembly Center  
SEW-Eurodrive, Inc.**  
Lyman, SC 29365  
Tel. (864) 439-7537  
Fax (864) 439-7830  
cslyman@seweurodrive.com

**Southwest Region  
Assembly Center  
SEW-Eurodrive, Inc.**  
Dallas, TX 75237  
Tel. (214) 330-4824  
Fax (214) 330-4724  
csdallas@seweurodrive.com

**Western Region  
Assembly Center  
SEW-Eurodrive, Inc.**  
Hayward, CA 94544  
Tel. (510) 487-3560  
Fax (510) 487-6433  
cshayward@seweurodrive.com

**Mexico  
SEW-Eurodrive Sales and  
Distribution SA de CV**  
Queretaro, Mexico  
Tel. (011) 52-442-103-0300  
Fax (011) 52-442-103-0301  
scmexico@seweurodrive.com.mx

**Canada  
SEW-Eurodrive Co.  
of Canada Ltd.**  
Bramalea, Ontario  
Tel. (905) 791-1553  
Fax (905) 791-2999  
marketing@sew-eurodrive.ca

**Canada  
SEW-Eurodrive Co.  
of Canada Ltd.**  
Delta, B.C.  
Tel. (604) 946-5535  
Fax (604) 946-2513  
marketing@sew-eurodrive.ca

**Canada  
SEW-Eurodrive Co.  
of Canada Ltd.**  
LaSalle, Quebec  
Tel. (514) 367-1124  
Fax (514) 367-3677  
marketing@sew-eurodrive.ca

**SEW  
EURODRIVE**

www.seweurodrive.com (U.S.)  
www.sew-eurodrive.ca (Canada)  
www.mx.sew-eurodrive.com (Mexico)