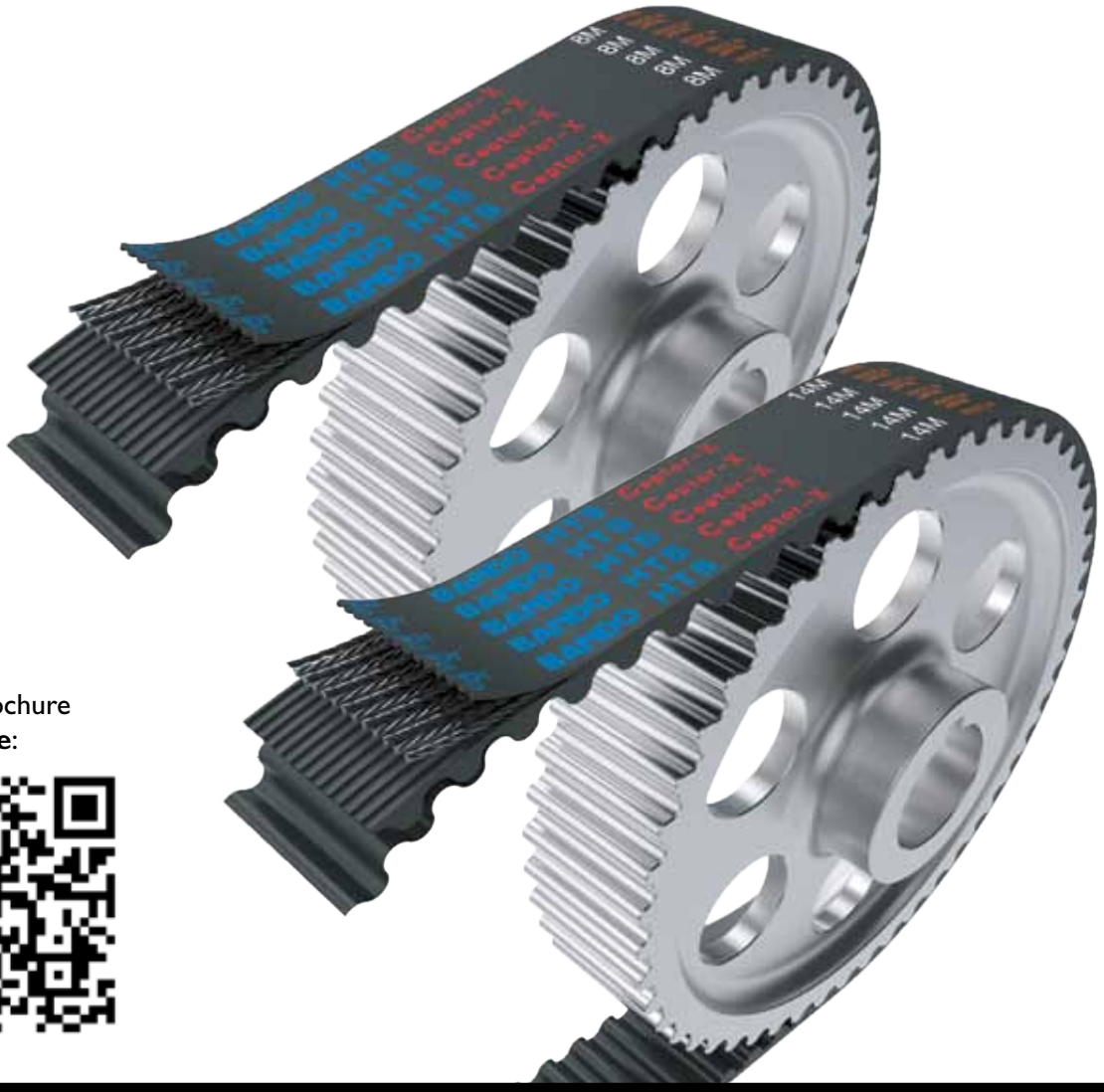
BANDO

Ceptor®-X HTS

## High torque CARBON CORD HTS synchronous belt

# Ceptor®-X HTS



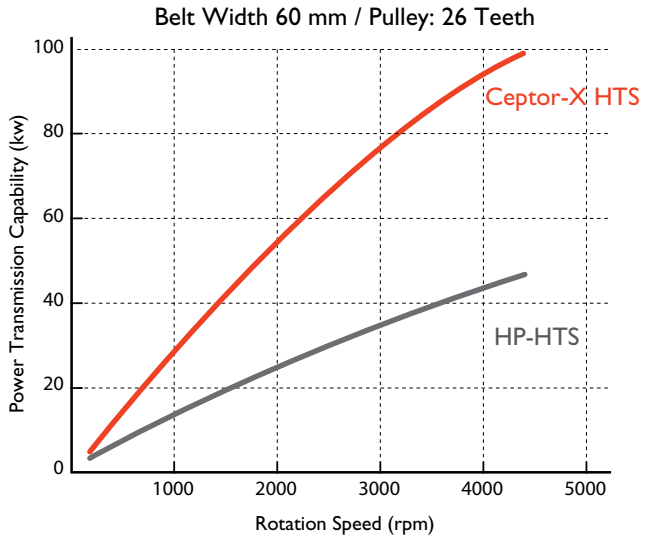
Product brochure
as **PDF-File**:



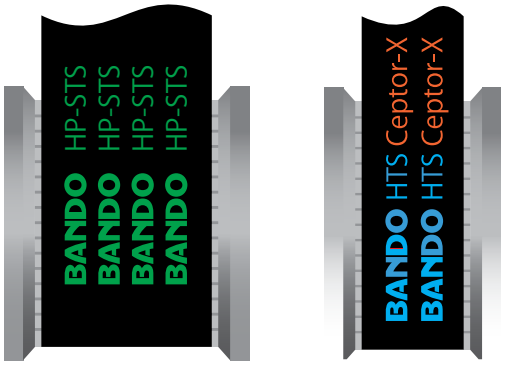
BANDO CHEMICAL INDUSTRIES, LTD

# FEATURES

- Increased transmission capacity provides high-performance in a compact space




Reduced Belt Width with Ceptor-X

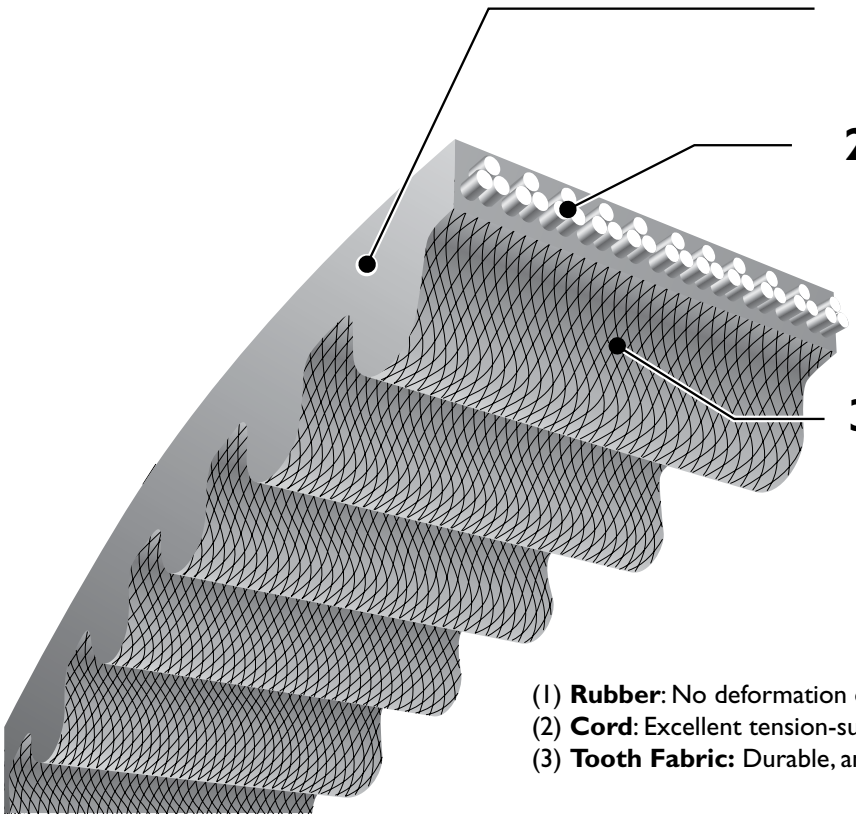



HP-STS
50 mm

Ceptor-X
25 mm

- Longer-lasting belt life decreases maintenance and replacement costs.
- High transmission capacity makes it possible to use even narrower belts and pulleys

# BELT STRUCTURE



**1. Tooth Rubber**
HNBR

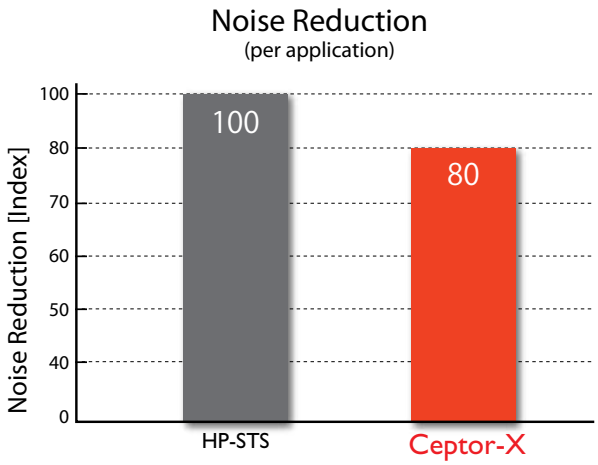
**2. Tension Member**
Carbon

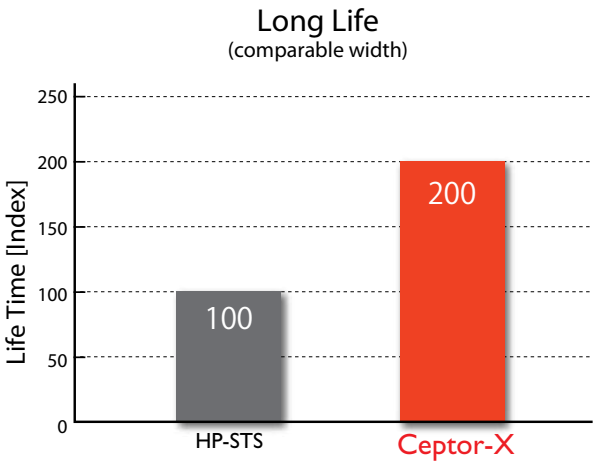
**3. Tooth Fabric**
Special coated
Nylon Fabric

(1) **Rubber**: No deformation of teeth - hard flexible synthetic rubber
(2) **Cord**: Excellent tension-sustaining, high-strength carbon cord
(3) **Tooth Fabric:** Durable, anti-wear canvas prevents tooth shear

# PERFORMANCE

- **Layout flexibility**: can use backside idler pulley
- **Noise**: quiter than "polyurethane" synchronous belt




Low noise results from narrower belt width (approximately 20%) compared to HP-STS.

Due to strong carbon cords and wear-resistant canvas surface, there is minimal belt stretch and tooth wear, increasing durability and service life of the belt.

# Product Line-Up

## HTS Ceptor® X 8M

### Part Number Example

1000 - 8M - 30 CX

Belt Length [mm] | Belt Pitch | Belt Width [mm]

| Description | Pitch Length (mm) | No. of Teeth |
|---|---|---|
| 384-8MC-X | 384 | 48 |
| 424-8MC-X | 424 | 53 |
| 480-8MC-X | 480 | 60 |
| 560-8MC-X | 560 | 70 |
| 600-8MC-X | 600 | 75 |
| 624-8MC-X | 624 | 78 |
| 640-8MC-X | 640 | 80 |
| 656-8MC-X | 656 | 82 |
| 680-8MC-X | 680 | 85 |
| 720-8MC-X | 720 | 90 |
| 760-8MC-X | 760 | 95 |
| 800-8MC-X | 800 | 100 |
| 840-8MC-X | 840 | 105 |
| 856-8MC-X | 856 | 107 |
| 880-8MC-X | 880 | 110 |
| 896-8MC-X | 896 | 112 |
| 920-8MC-X | 920 | 115 |
| 960-8MC-X | 960 | 120 |
| 1000-8MC-X | 1000 | 125 |
| 1040-8MC-X | 1040 | 130 |

| Description | Pitch Length (mm) | No. of Teeth |
|---|---|---|
| 1056-8MC-X | 1056 | 132 |
| 1064-8MC-X | 1064 | 133 |
| 1080-8MC-X | 1080 | 135 |
| 1120-8MC-X | 1120 | 140 |
| 1152-8MC-X | 1152 | 144 |
| 1160-8MC-X | 1160 | 145 |
| 1184-8MC-X | 1184 | 148 |
| 1192-8MC-X | 1192 | 149 |
| 1200-8MC-X | 1200 | 150 |
| 1224-8MC-X | 1224 | 153 |
| 1248-8MC-X | 1248 | 156 |
| 1264-8MC-X | 1264 | 158 |
| 1280-8MC-X | 1280 | 160 |
| 1304-8MC-X | 1304 | 163 |
| 1360-8MC-X | 1360 | 170 |
| 1392-8MC-X | 1392 | 174 |
| 1400-8MC-X | 1400 | 175 |
| 1424-8MC-X | 1424 | 178 |
| 1440-8MC-X | 1440 | 180 |
| 1480-8MC-X | 1480 | 185 |

| Description | Pitch Length (mm) | No. of Teeth |
|---|---|---|
| 1512-8MC-X | 1512 | 189 |
| 1520-8MC-X | 1520 | 190 |
| 1584-8MC-X | 1584 | 198 |
| 1600-8MC-X | 1600 | 200 |
| 1680-8MC-X | 1680 | 210 |
| 1728-8MC-X | 1728 | 216 |
| 1760-8MC-X | 1760 | 220 |
| 1800-8MC-X | 1800 | 225 |
| 1904-8MC-X | 1904 | 238 |
| 2000-8MC-X | 2000 | 250 |

## HTS Ceptor® X 14M

### Part Number Example

1680 - 14M - 55 CX

Belt Length [mm] | Belt Pitch | Belt Width [mm]

| Description | Pitch Length (mm) | No. of Teeth |
|---|---|---|
| 966-14MC-X | 966 | 69 |
| 1092-14MC-X | 1092 | 78 |
| 1190-14MC-X | 1190 | 85 |
| 1344-14MC-X | 1344 | 96 |
| 1400-14MC-X | 1400 | 100 |
| 1456-14MC-X | 1456 | 104 |
| 1540-14MC-X | 1540 | 110 |
| 1610-14MC-X | 1610 | 115 |
| 1680-14MC-X | 1680 | 120 |
| 1778-14MC-X | 1778 | 127 |
| 1890-14MC-X | 1890 | 135 |

| Standard Width Sizes [mm] | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 20 | 30 | 40 | 50 | 55 | 85 | 115 | 170 |
| 8M | ■ | ■ | | ■ | | ■ | | |
| 14M | | | ■ | | ■ | ■ | ■ | ■ |

■ Available Sizes

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