KNGEAR

INDUSTRIAL GEARBOX CATALOGUE

Product Portfolio

Application-Specific Drive Systems

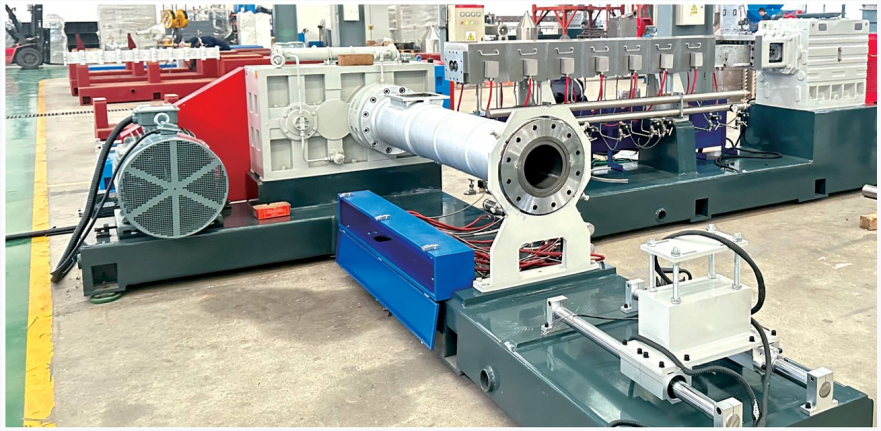
ENGLISH EDITION

kngear.com

OVERVIEW / APPLICATIONS

Gear Reducers for Demanding Industries

Specialized drives, heavy-duty gear units and application-focused reducer selection.



EXTRUSION SYSTEMS

Single-screw and twin-screw extrusion gearbox families.

RUBBER & PLASTICS

Reducers for refiner, mill, calender and processing equipment.

HEAVY-DUTY TRANSMISSION

Parallel-shaft, bevel-helical and large process gear units.

INDUSTRIAL APPLICATIONS

Paper mills, mixing systems, petrochemical and material handling.

ENGINEERED SELECTION

Application data, interfaces, duty cycle and service conditions.

EXTRUSION SYSTEMS

Extruder Gearbox Product Families

Reference configurations for single-screw and twin-screw extrusion.

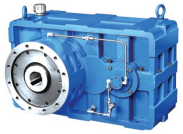
SINGLE-SCREW

ZL(S)YJ Series

Sizes 112-630

Single-screw extruder reducer

SINGLE-SCREW



EP Series

Sizes 112-450

Single-screw drive configuration

SINGLE-SCREW

BJY Series

Sizes 100-360

High-torque integrated gearbox

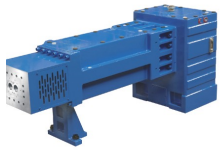
TWIN-SCREW

Medium / Low Torque

Torque class 5-7

Twin-screw extrusion gearing

TWIN-SCREW



High-Torque Design

Torque class 8-11

Twin-screw extrusion gearing

ENGINEERING NOTE

Torque classes are reproduced as listed in the source brochure. Units, speed, thrust capacity and thermal rating must be confirmed for each configuration.

RUBBER / PLASTICS

Mixing, Milling & Extrusion Reducers

Reducers shown for refiner, opener, tablet press and calender drives.

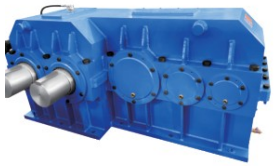
REFINER DRIVE

XM | Dual-Motor

XMS 450 / 500 / 660

Drop-type refiner

REFINER DRIVE



XM | Single-Motor

XM 360 / 400 / 420 / 440 / 450 / 500

Drop-type refiner

RUBBER EQUIPMENT

XK | Single-Motor

XK(S) 360 / 400 / 450 / 560 / 610 / 660 / 760

Opener transmission

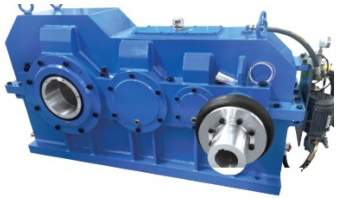
RUBBER EQUIPMENT

XK | Dual-Motor

XK(S) 360 / 400 / 450 / 560 / 610 / 660 / 760

Opener transmission

PROCESS MACHINERY



YP Series

Sizes 330 / 450

Twin-screw extruding and tablet pressing

PROCESS MACHINERY

YP | Alternate View

Sizes 330 / 450

Representative configuration

CALENDER

SCW Series

160 / 200 / 250 / 320

Calender pitch worm gearbox

RUBBER / PLASTICS

Calender & Refining Gearbox Systems

Representative gear reducers for roller calenders and rubber-processing machines.

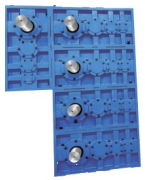
CALENDER

XY Series

360 / 400 / 450 / 500 / 610 / 660 / 710

Multi-roller calender gearbox

CALENDER

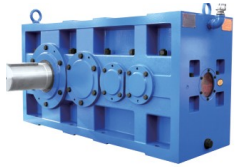


ZSYF Series

160-560 | listed discrete sizes

Square-box combined calender drive

CALENDER

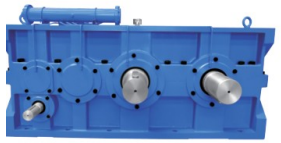


ZSYF | Alternate View

160 / 200 / 224 ... 500 / 560

Combined gearbox form

OPENER



SK Series

560 / 610 / 660 / 760

Plastic opener reducer

REFINER

ML Series

10 / 35 / 55 / 75 / 95 / 110 / 150

Flip-type refiner | 10-150 L

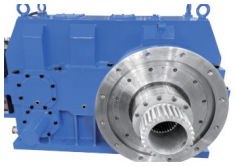
REFINER

YM Series

35 / 55 / 75 / 95 / 110 / 150

Flip-type refiner | 35-150 L

EXTRUSION



CXJ Series

90 / 120 / 150 / 200 / 250

Rubber cold-feed pin extruder

INDUSTRIAL GEAR UNITS

General & Heavy-Duty Reducer Families

Parallel-shaft, bevel-helical and industrial process transmission products.

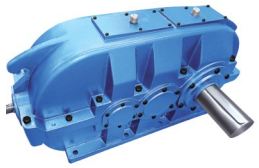
HELICAL

Hardened-Gear Reducers

ZDY 80-560 / ZLY 112-710 / ZSY 160-710

Cylindrical helical gear units

BEVEL-HELICAL



DBY / DCY Series

DBY 160-560 / DCY 160-800

Bevel-helical industrial units

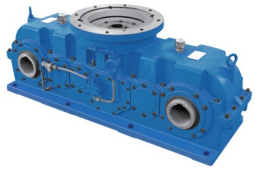
HEAVY-DUTY

Heavy-Duty Gearboxes

Size 5-20 | ratio 1.25-450

Industrial gear unit family

MIXER

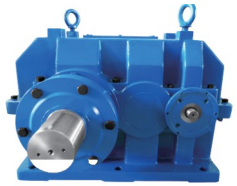


YHJ Series

400 / 700 / 890 / 990 / 1050 / 1230 / 1360

Mixing and blending equipment

PROCESS DRIVE



WXGT Series

140 / 180 / 200 / 224 / 250 / 280 / 315 / 355

Leather-drum reducers

PLANETARY

EP Planetary

EP08-EP36 | ratio 25-4500

Planetary reducers

MODULAR & SPECIALTY DRIVES

Gearmotors & Machine Drives

Gearmotor arrangements and output formats for machine integration.

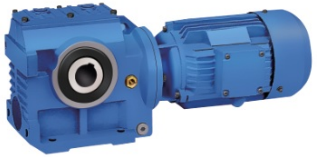
INLINE

R Series Gearmotor

Sizes R17-R187

Inline helical gearmotor

RIGHT-ANGLE



S Series Gearmotor

Sizes S37-S100

Helical-worm gearmotor

PARALLEL SHAFT

F Series Gearmotor

Sizes F37-F167

Parallel-shaft helical gearmotor

RIGHT-ANGLE

K Series Gearmotor

Sizes K37-K187

Bevel-helical gearmotor

WELDING

JA Series

Size JA2-6 | 60-1000 t

Welding roller-frame reducer

WELDING

JB Series

JB1-JB10 | 30-5000 t

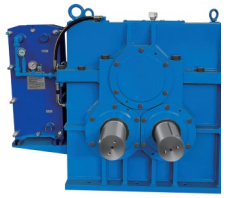
Roller-frame output assembly

SECTOR APPLICATIONS

Reducers for Industrial Machinery

Process-specific arrangements referenced in the source product range.

PAPER

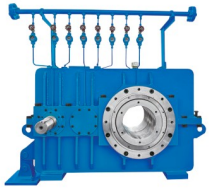


Paper Machinery

Application-specific configuration

Paper production machinery

PAPER

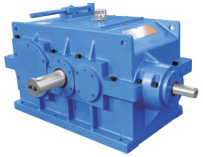


Paper Machinery | Drive End

Application-specific configuration

Paper production machinery

WINCH



Induction Rope Winch Drive

DBYK 280 / 312 / 335 / 400

Matching power 75-185 kW

PROCESSING

Granulation & Drying

SZSY 360 / 450 / 500 / 650 / 850 / 1050 / 1250

Gearbox for process equipment

MARINE

Marine Anchor Winch

Application-specific configuration

Marine winch transmission

WELDING

Welding Roller Drive

JB1-JB10 | 30-5000 t

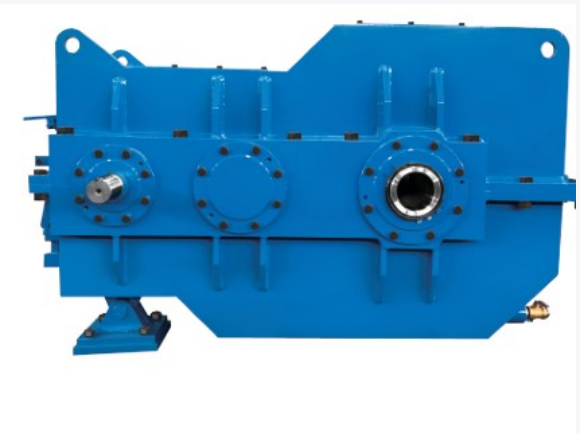
Solid-shaft belt output flange type

SECTOR APPLICATIONS

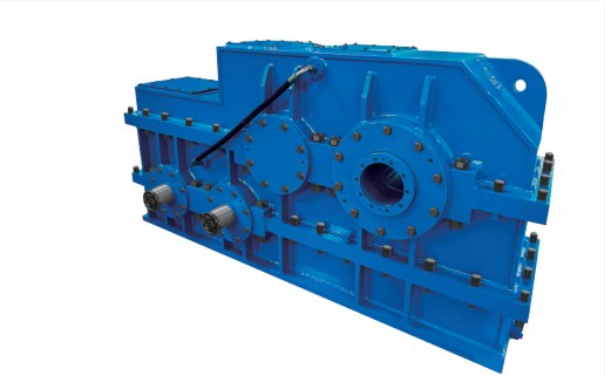
Petrochemical & Custom Drive Systems

Representative product configurations for specialized rotating equipment.

SPECIALTY GEAR UNIT



LARGE PROCESS GEARBOX



ENGINEERED TRANSMISSION

Engineering selection is application-led

For a reliable gearbox proposal, provide operating torque, input/output speed, duty cycle, service factor, shaft loads, allowable envelope, mounting arrangement and ambient conditions. For retrofit work, send existing drawings, nameplate and interface dimensions.

KNGEAR can review replacement and project requirements once these details are available.

MODEL REFERENCE

Model & Size Reference / I

Source-product naming is retained for initial model identification. Units are stated only where the original brochure provides them.

EXTRUSION

ZL(S)YJ
112-630

EP | extrusion
112-450

BJY
100-360

Twin-screw low / medium torque
Torque class 5-7 (source-defined class)

Twin-screw high torque
Torque class 8-11 (source-defined class)

REFINER / OPENER / CALENDER

XM / XMS
XM 360 / 400 / 420 / 440 / 450 / 500; XMS 450 / 500 / 660

XK(S)
360 / 400 / 450 / 560 / 610 / 660 / 760

YP
330 / 450

SCW
160 / 200 / 250 / 320

RUBBER / PLASTICS

XY
360 / 400 / 450 / 500 / 610 / 660 / 710

ZSYF
160 / 200 / 224 / 250 / 280 / 300 / 315 / 355 / 375 / 400 / 425 / 450 / 470 / 500 / 560

SK
560 / 610 / 660 / 760

ML
10 / 35 / 55 / 75 / 95 / 110 / 150; 10-150 L

YM
35 / 55 / 75 / 95 / 110 / 150; 35-150 L

CXJ
90 / 120 / 150 / 200 / 250

MODEL REFERENCE

Model & Size Reference / II

Further heavy-duty, geared motor and specialized-equipment families.

HEAVY INDUSTRIAL

ZDY / ZLY / ZSY
ZDY 80-560 / ZLY 112-710 / ZSY 160-710

DBY / DCY
DBY 160-560 / DCY 160-800

Heavy-duty industrial gearbox
Size 5-20; speed ratio 1.25-450

EP | planetary
EP08-EP36; ratio 25-4500

YHJ
400 / 700 / 890 / 990 / 1050 / 1230 / 1360

WXGT
140 / 180 / 200 / 224 / 250 / 280 / 315 / 355

MODULAR / ROLLER FRAME

R
R17-R187

S
S37-S100

F
F37-F167

K
K37-K187

JA
JA2-6 | 60-1000 t (source notation)

JB
JB1-JB10 | 30-5000 t (source notation)

PROCESS & APPLICATION

DBYK
280 / 312 / 335 / 400; matching power 75-185 kW

SZSY
360 / 450 / 500 / 650 / 850 / 1050 / 1250

Paper machinery
Application-specific configurations

Petrochemical equipment
Application-specific configurations

Marine anchor winch
Application-specific configurations

KNGEAR

REQUEST A GEARBOX PROPOSAL

Provide the following information for engineering review:

- Gearbox type or existing brand / model / nameplate
- Input power, input/output speed and ratio
- Required output torque, duty cycle and service factor
- Mounting, shaft arrangement and allowable dimensions
- Operating environment, lubrication and special requirements
- For replacement projects: photos, drawings and interface dimensions

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