WINSTONE DRIVE

Bearings & Mechanical Power Transmission

PRODUCT FAMILIES · SERIES · SPECIFICATIONS



Winstone Industrial Tech Co., Ltd.

info@winstoneglobal.com | WhatsApp +86 158 6784 1246

winstonedrive.com

BEARINGS & POWER TRANSMISSION

ENGLISH PRODUCT CATALOGUE / V5

Bearings & bearing units

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



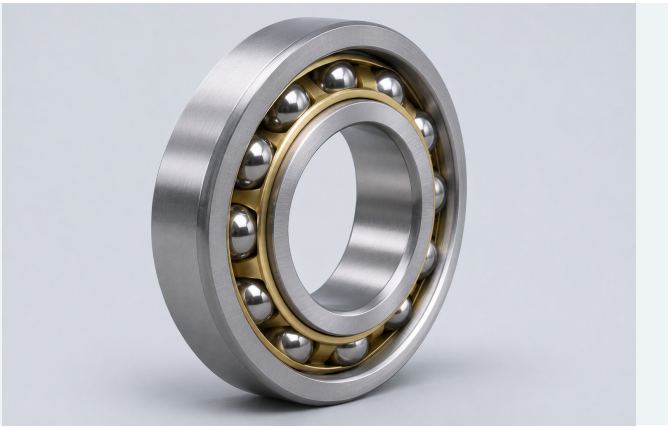
Deep-groove ball bearings

Series: 6204 / 6205 / 6206

d×D×B (mm)

6204: 20×47×14; 6205: 25×52×15; 6206: 30×62×16

Open, shielded or sealed; specify complete suffix.



Angular-contact ball bearings

Series: 7204 / 7205 / 7206

d×D×B (mm)

7204: 20×47×14; 7205: 25×52×15; 7206: 30×62×16

Specify contact angle, pairing and preload.



Four-point contact ball bearings

Series: QJ 2 / QJ 3

Series designations

QJ 204 / QJ 205 / QJ 206

Specify d, D, B and clearance against the selected drawing.



Thin-section ball bearings

Series: 6804 / 6805 / 6806

d×D×B (mm)

6804: 20×32×7; 6805: 25×37×7; 6806: 30×42×7

Open or sealed; confirm envelope and seal suffix separately.

Bearings & bearing units

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



Self-aligning ball bearings

Series: 1204 / 1205 / 1206

d×D×B (mm)

1204: 20×47×14; 1205: 25×52×15; 1206: 30×62×16

Double-row ball design; cylindrical and tapered bores are separate options.



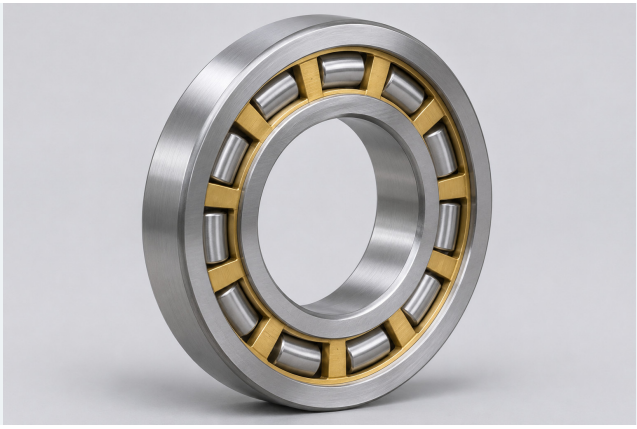
Thrust ball bearings

Series: 51104 / 51204

d×D×H (mm)

51104: 20×35×10; 51204: 20×40×14

Shaft washer, housing washer and cage; define axial load and speed.



Cylindrical roller bearings

Series: NU / NJ / N / NUP

d×D×B (mm)

NU205: 25×52×15

Rib arrangements differ by series; envelope alone does not define interchangeability.



Spherical roller bearings

Series: 22205 / 22206 / 22207

d×D×B (mm)

22205: 25×52×18; 22206: 30×62×20; 22207: 35×72×23

Double-row barrel rollers; specify cage, clearance and lubrication features.

Bearings & bearing units

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



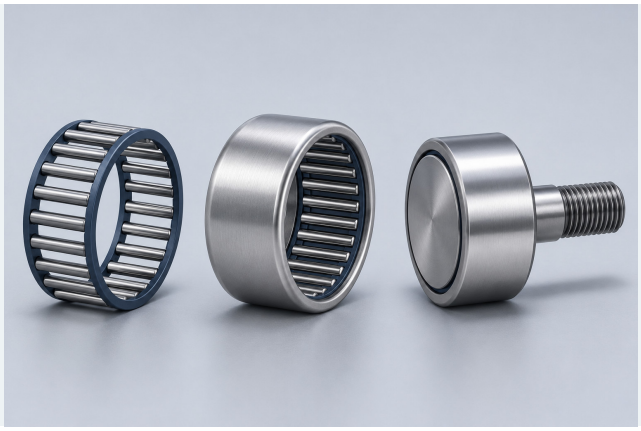
Crossed roller bearings

Series: Integral / split ring

Design configurations

Integral ring / split ring / mounting holes

d, D, B; mounting holes, preload, radial and axial runout by drawing.



Needle bearings & cam followers

Series: HK / NK / K / CF

Design configurations

Drawn cup / machined ring / stud follower

Shaft, OD and width; roller OD, stud thread and lubrication.



Needle roller thrust assemblies

Series: AXK 2035 / 2542 / 3047

d×D×H (mm)

AXK2035: 20×35×2; AXK2542: 25×42×2; AXK3047: 30×47×2

Listed height is the cage assembly; specify mating washers separately.



Pillow-block ball bearing units

Series: UCP205

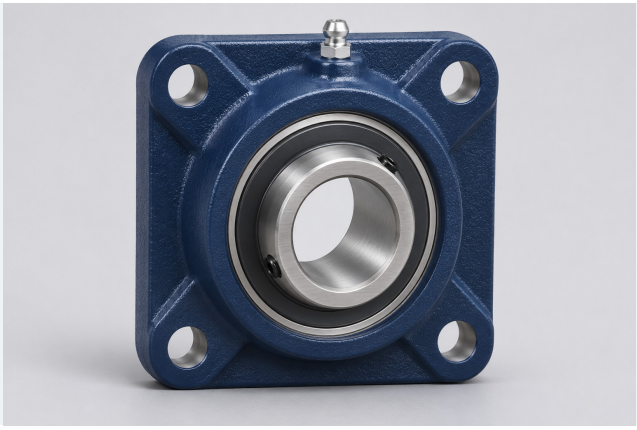
Bore / centre height / hole spacing / length (mm)

d=25; H=36.5; J=105; L=140

Set-screw locking; M10 mounting bolts; define seals and lubrication.

Bearings & bearing units

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



Square-flange ball bearing units

Series: UCF205

Bore / side length / hole spacing / hole dia. (mm)

d=25; L=95; J=70; N=12

Four-bolt square flange; M10 mounting bolts.



Take-up ball bearing units

Series: UCT205

Bore / height / length / width (mm)

d=25; H=89; L=97; A=32

Match guide slots, adjustment interface and frame to dimensional drawing.



Flange bearing configurations

Series: UCFL / UCFC / UCFB

Mounting configurations

Two-bolt / round / three-bolt flange

Define bore, bolt pattern, pilot, housing thickness and locking method.



Washdown bearing units

Series: Stainless / thermoplastic housings

Housing configurations

Pillow block / square / two-bolt flange

Define bore, mounting centres, material grade, end cover and seals.

Bearings & bearing units

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



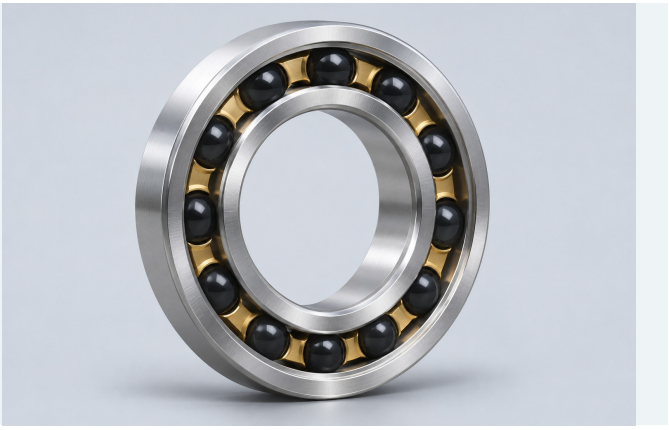
Non-round bore agricultural bearings

Series: Square / hexagonal bore

Dimensional specification

Bore shape / across flats / OD / width

Standalone ball bearings; define corner radius, seals and mounting interface.



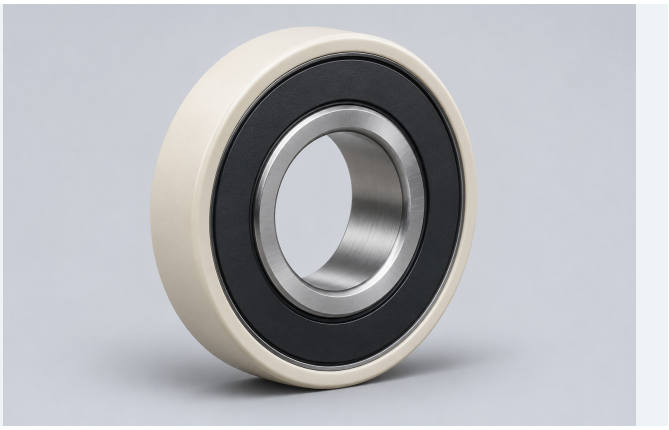
Hybrid ceramic ball bearings

Series: Steel rings + ceramic balls

Design configurations

Deep-groove / angular-contact design

d, D, B; ball material, cage, clearance and lubrication.



Electrically insulated bearings

Series: Insulated-ring construction

Insulation location

Outer-ring / inner-ring insulation

Base bearing designation, coating location, thickness and electrical test conditions.



Special-material bearings & bushes

Series: Stainless / ceramic / bronze / composite

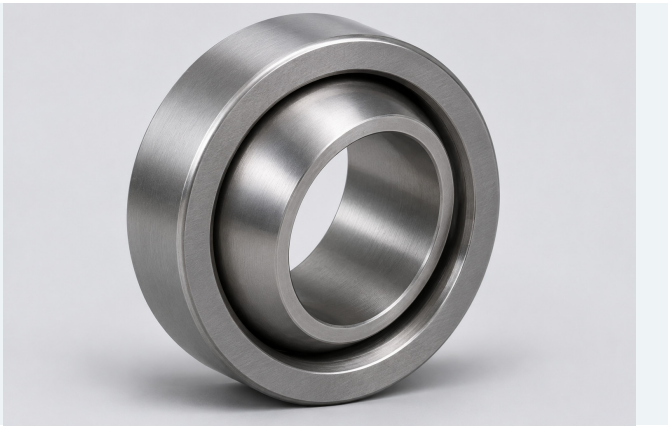
Material & design

Rolling / sliding constructions

Specify dimensions, material grade, media, temperature and lubrication.

Bearings & bearing units

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



Radial spherical plain bearings

Series: GE..ES / GE..ES-2RS

Main dimensions (mm)

GE20ES: d20 / D35 / B16 / C12

Steel-on-steel sliding pair; B inner-ring width, C outer-ring width.



Male-thread rod ends

Series: Metric / inch; right / left hand

Drawing specification

Eye bore d / thread M / centre length L

Thread pitch and length, articulation, liner and sealing.



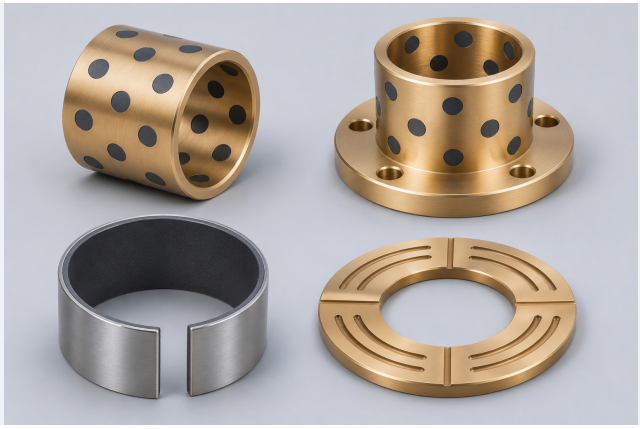
Female-thread rod ends

Series: Metric / inch; right / left hand

Drawing specification

Eye bore d / thread M / engagement depth

Eye width, centre distance, liner and lubrication.



Bushes & thrust washers

Series: Solid / wrapped / composite bushes

Design configurations

Plain sleeve / flange / washer / wear plate

ID, OD, length and wall thickness; grooves or lubricant plugs by drawing.

Bearing accessories & gearboxes

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



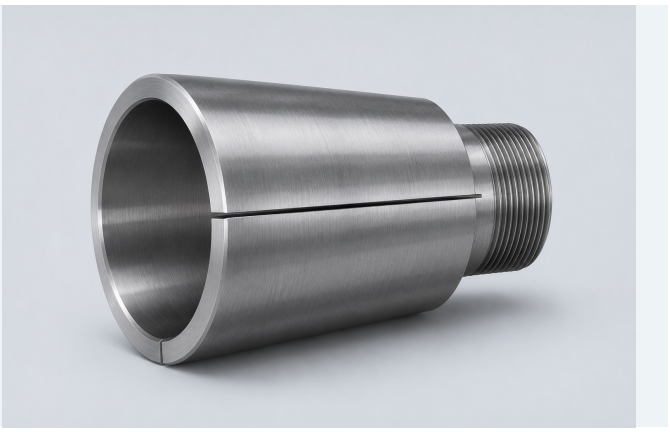
Housings & bearing accessories

Series: Split housing / sleeve / nut / seal

Interface dimensions

Housing seat / shaft / mounting centres

Bearing designation, locating arrangement, covers, seals and grease ports.



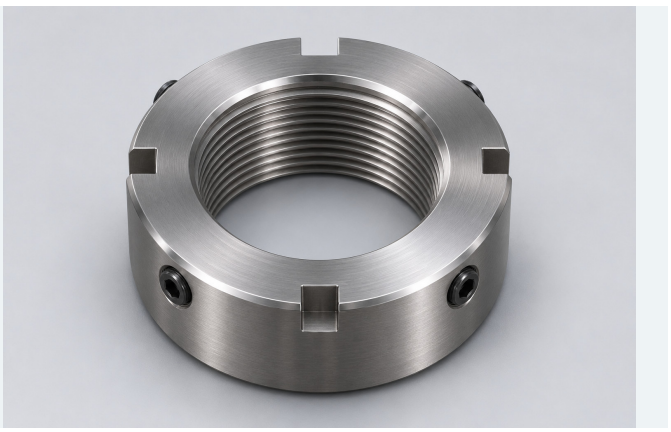
Withdrawal sleeves

Series: AH / AHX configurations

Drawing specification

Shaft size / taper / withdrawal thread

Match bearing bore, sleeve length and mounting-tool interface.



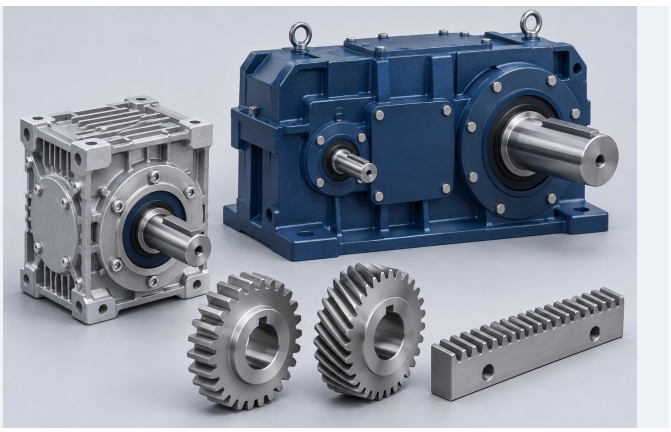
Precision bearing locknuts

Series: Radial / axial locking

Drawing specification

Thread diameter x pitch / width

Face runout, locking screws, installation envelope and tightening requirements.



Industrial gearbox families

Series: Worm / helical / bevel / planetary

Configuration parameters

Input speed n1 / ratio i / output torque T2

Mounting, axial/radial loads, duty cycle and lubrication orientation.

Mechanical transmission & components

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



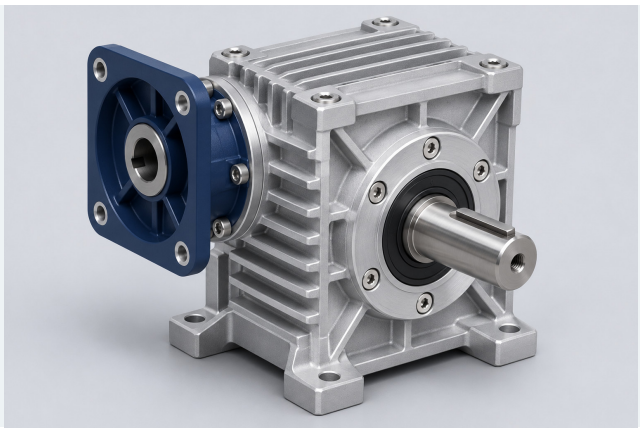
Planetary & parallel-shaft reducers

Series: Inline / right-angle / parallel-shaft

Configuration parameters

Ratio i / backlash / output interface

Motor flange, input shaft, solid/hollow output and mounting dimensions.



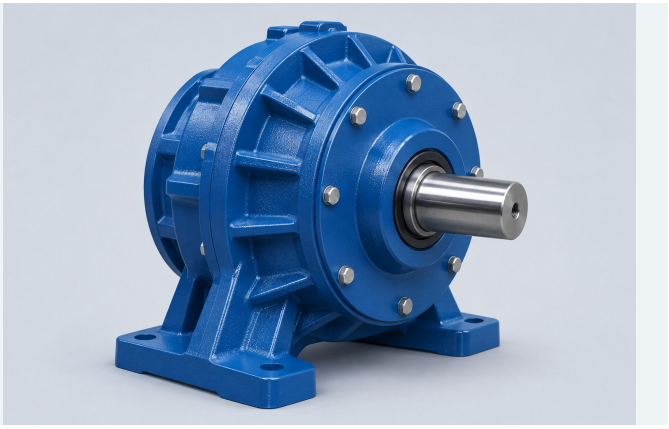
Worm gear reducers

Series: Aluminium / cast iron; foot / flange

Configuration parameters

Centre distance a / ratio i / output bore d

Input power, speed, continuous duty and mounting position.



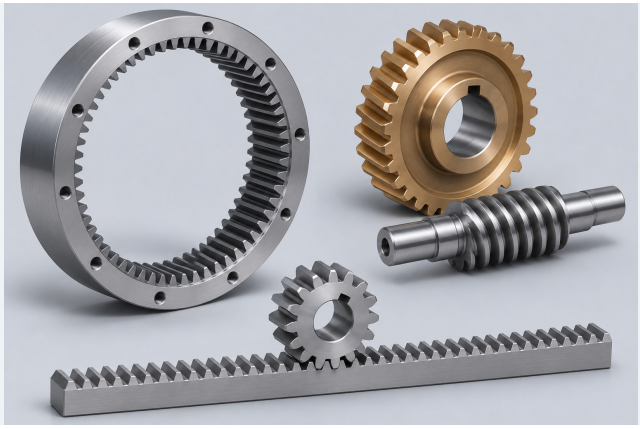
Cycloidal reducers

Series: Single / multi-stage; foot / flange

Configuration parameters

Ratio i / output torque T2 / shaft d

Input arrangement, shock loading, mounting dimensions and lubrication.



Gears, racks & worm pairs

Series: Spur / helical / internal / worm gearing

Drawing specification

Module m / teeth z / pressure angle

Face width, hand, centre distance, material, heat treatment and accuracy.

Mechanical transmission & components

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



Bevel gear pairs

Series: Straight / spiral bevel

Drawing specification

Module m / tooth ratio z1:z2 / shaft angle

Matched pairs; mounting distance, face width, hand and contact pattern.



Helical gear shafts

Series: Integral / assembled

Drawing specification

Module m / teeth z / helix angle

Journals, keyways, concentricity, heat treatment and tooth accuracy.



Roller chains & matching sprockets

Series: 08B-1 / 10B-1 / 12B-1

Pitch p (mm)

08B: 12.700; 10B: 15.875; 12B: 19.050

Specify strands separately; match the sprocket to the chain standard.



Conveyor & attachment chains

Series: Bent / straight attachments; hollow-pin / leaf

Drawing specification

Pitch p / attachment spacing / pin design

Chain length, attachment centres, roller diameter and matched lengths.

Mechanical transmission & components

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



Stainless steel sprockets

Series: 08B / 10B / 12B tooth profiles

p (mm)

Chain pitch: 12.700 / 15.875 / 19.050

Specify teeth, bore, keyway, hub dimensions and material grade.



Split sprockets

Series: Two-piece / segmental

Drawing specification

Chain standard / teeth z / bore d

Split location, fasteners, hub dimensions and installation clearance.



Duplex sprockets

Series: 08B-2 / 10B-2 / 12B-2

p (mm)

Chain pitch: 12.700 / 15.875 / 19.050

Two tooth rows; transverse pitch follows chain series; keep A/B series separate.



V-belt & multi-rib drive families

Series: SPZ / SPA / SPB / SPC

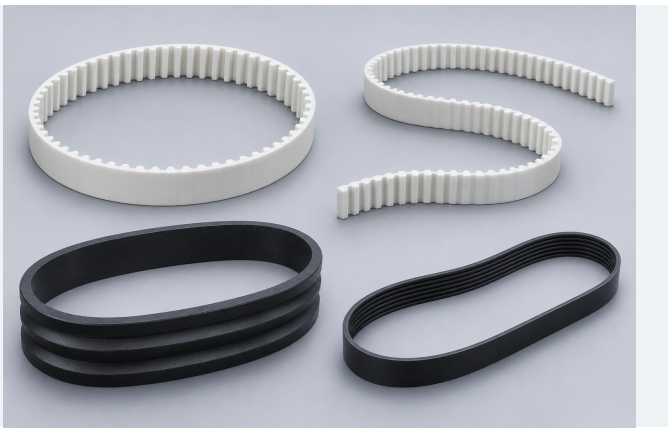
Series specification

Belt profile / length basis / grooves

Match pulley grooves separately for V, ribbed and synchronous belt profiles.

Mechanical transmission & components

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



Polyurethane timing belts

Series: T5 / T10 / T20

Pitch p (mm)

T5: 5; T10: 10; T20: 20

Open-end, joined or endless; define length, width and tensile cord.



Raw-edge cogged V-belts

Series: XPZ / XPA / XPB / XPC

Series specification

Section / datum length Ld / quantity

Notched inner surface; define groove profile, length basis and matched sets.



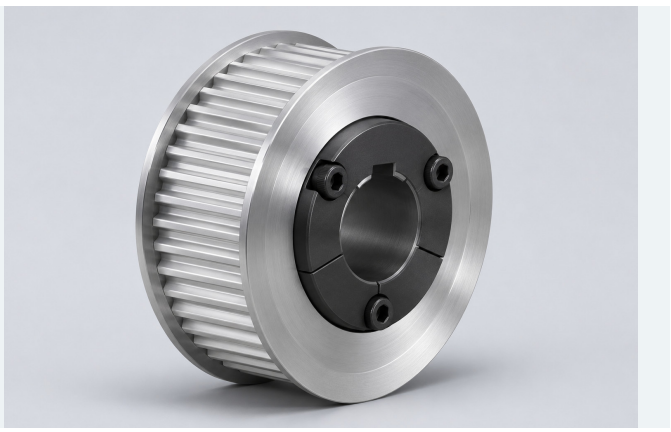
Flat transmission belts

Series: Open-end / endless / joined

Drawing specification

Width b / thickness t / length L

Cover, tensile layer, joint method and pretension requirements.



Taper-bushed timing pulleys

Series: T5 / T10 / 5M / 8M

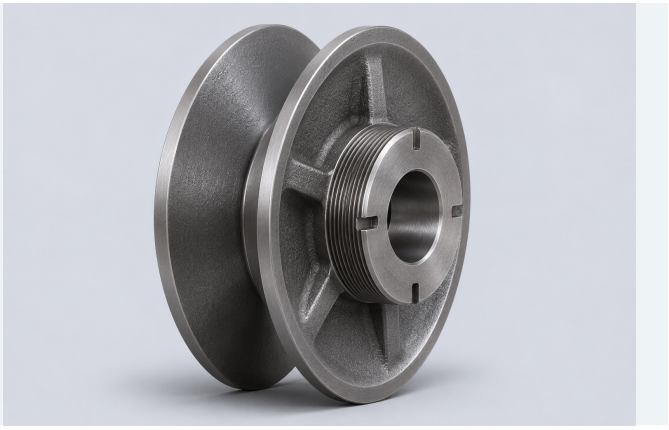
Drawing specification

Pitch p / teeth z / face width b

Pitch diameter dp=p×z/pi; specify flanges, bush and bore separately.

Mechanical transmission & components

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



Adjustable-pitch pulleys

Series: Single / multi-groove; threaded adjustment

Drawing specification

Belt section / adjustment range / bore d

OD, hub, locking arrangement and operating speed.



Flexible couplings & cardan shafts

Series: Jaw / disc / cardan shaft

Interface specification

End bores / overall length / torque

Specify coupling and shaft assembly separately; define speed and alignment.



Precision couplings

Series: Bellows / Oldham / beam

Drawing specification

d1 / d2 / outside diameter D / length L

Clamp or keyed hubs; define torque, torsional stiffness and misalignment.



Tyre couplings

Series: Standard / spacer

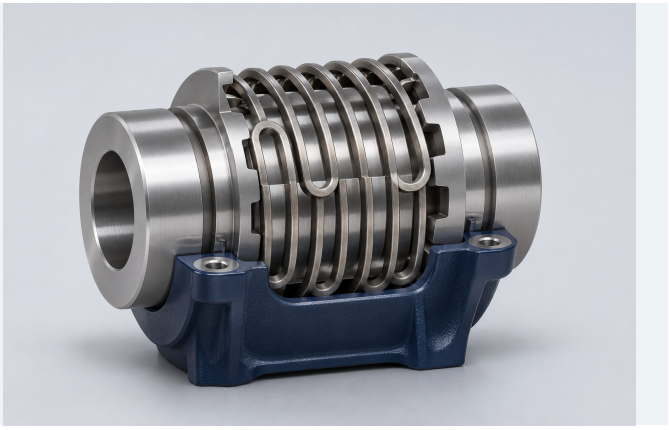
Drawing specification

Bores d1,d2 / tyre diameter D

Elastomer, shaft gap, torque, speed and replacement clearance.

Mechanical transmission & components

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



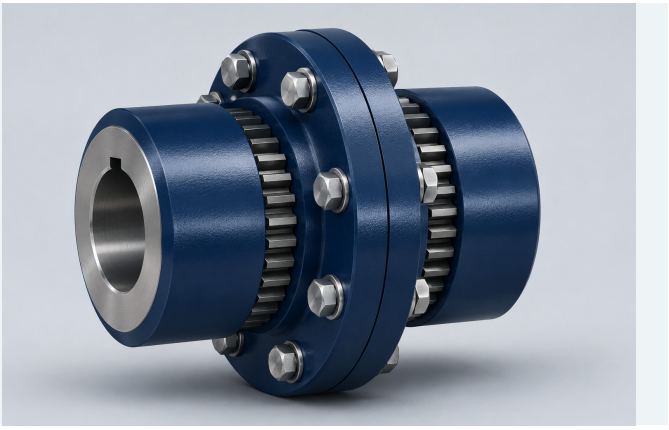
Grid couplings

Series: Horizontal / vertical split cover

Drawing specification

Bores d1,d2 / diameter D / length L

Grid element, seals, lubricant and operating torque.



Gear couplings

Series: Flanged / sleeve / spacer

Drawing specification

Bores d1,d2 / shaft gap / diameter

Sleeve interface, lubrication, speed and balancing requirements.



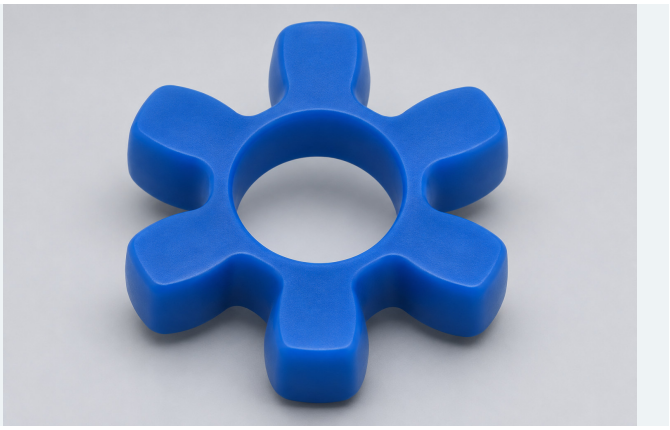
Roller chain couplings

Series: Duplex roller-chain connection

Drawing specification

End bores / chain reference / shaft gap

Coaxial sprocket hubs; define guard, seals and lubrication.



Jaw coupling spiders

Series: Polyurethane / rubber

Matching specification

OD D / ID d / thickness B / lobes

Mating hub designation, hardness, temperature and media.

Mechanical transmission & components

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



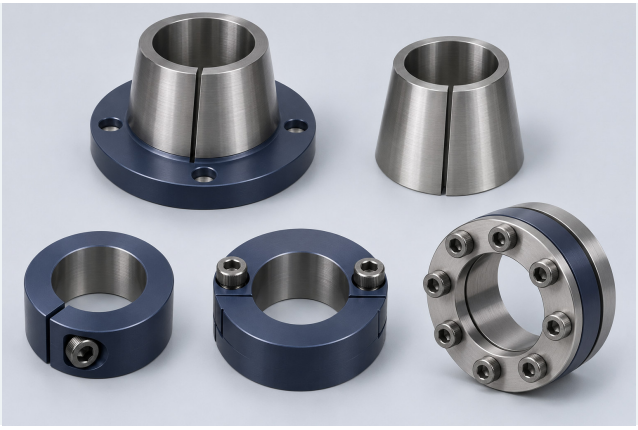
Splined shafts & universal joints

Series: Spline shaft / spline sleeve / cross

Drawing specification

Spline standard / teeth / effective length

Joint cross diameter, span, bearing cups and lubrication ports.



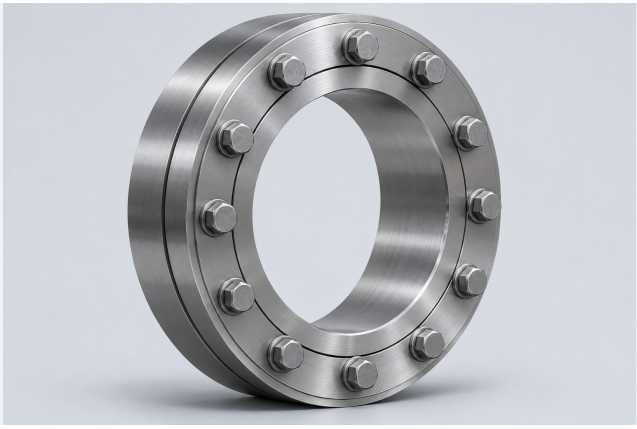
Taper bushes & keyless assemblies

Series: Taper bush / locking sleeve / shaft collar

Drawing specification

Shaft bore d / hub bore D / length L

Taper, bolt pattern, keyway and shaft-hub fits.



Shrink discs

Series: Two-part / three-part

Drawing specification

Shaft d / hub OD D / clamping length

Torque, axial force, hub wall thickness and bolt-tightening sequence.



Two-piece shaft collars

Series: Metric / inch; steel / stainless

Drawing specification

Bore d / OD D / width B

Shaft fit, axial holding force and clamp screws.

Mechanical transmission & components

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



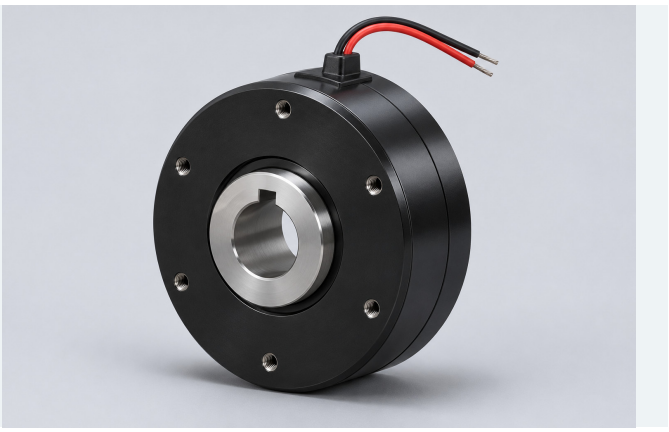
Clutch, brake & limiter families

Series: Electromagnetic / friction / one-way

Configuration parameters

Rated torque / speed / mounting interface

Define mechanism, voltage, duty, thermal capacity and operating mode.



Electromagnetic brakes

Series: Power-on / power-off braking

Configuration parameters

Voltage U / torque T / bore d

Define static/dynamic torque separately, release mode and response time.



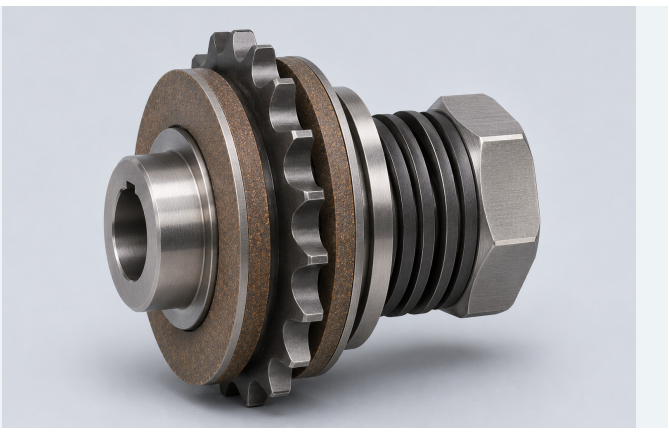
Overrunning clutch bearings

Series: Sprag / roller type

Drawing specification

ID d / OD D / width B

Direction, overrunning speed, locking torque and bearing support.



Friction torque limiters

Series: Sprocket / flange / pulley interface

Configuration parameters

Slip torque / bore / interface dimensions

Adjustment range, friction discs, disc springs and thermal duty.

Mechanical transmission & components

Dimensions in mm | Series · Construction · Mounting dimensions · Application parameters



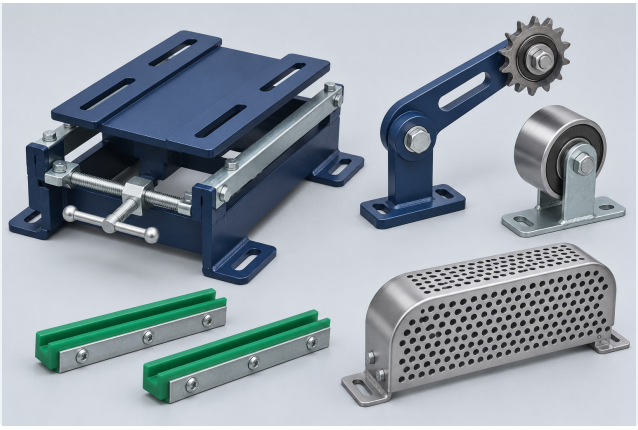
Backstops

Series: Shaft-mounted / torque-arm

Configuration parameters

Holding torque / bore / direction

Overrunning speed, torque-arm geometry, mounting and lubrication.



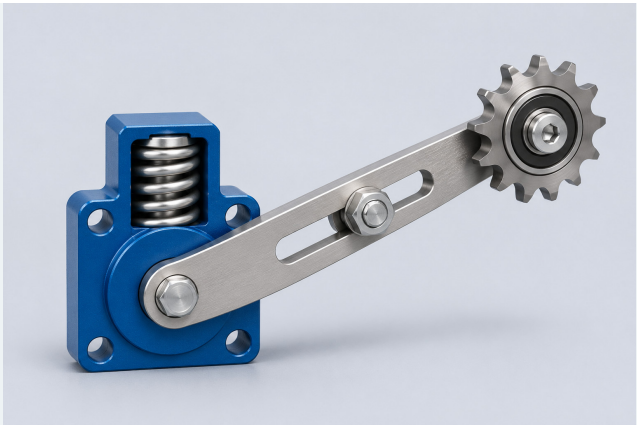
Drive installation accessories

Series: Motor base / tensioner / guide / guard

Drawing specification

Mounting centres / travel / envelope

Motor frame, chain/belt reference, service clearance and material.



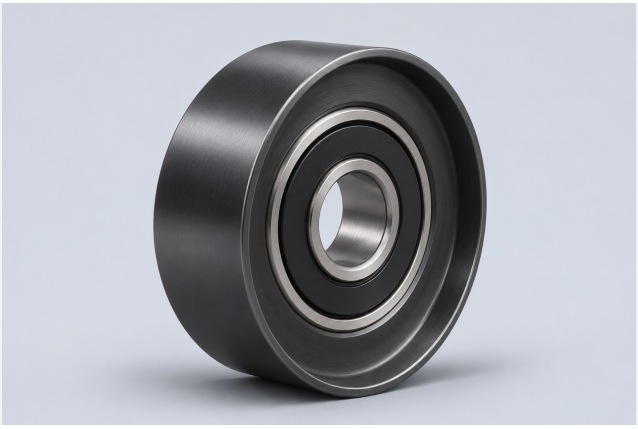
Automatic chain tensioners

Series: Spring arm / sprocket attachment

Configuration parameters

Chain reference / tension force / travel

Arm position, sprocket teeth, mounting holes and running direction.



Idler & tensioner pulleys

Series: Smooth / flanged / grooved

Drawing specification

OD D / face width b / bearing bore d

Belt profile, bearing seals, radial load and operating speed.

Our brand story

BEARINGS & POWER TRANSMISSION



Connecting every turn.

Every machine in motion begins with the fit between its components. From bearings that support rotation to gears, chains and couplings that transfer power, each detail shapes how a system moves.

WINSTONE DRIVE brings bearings and mechanical transmission together around one idea: connecting every turn. Our focus is on dimensions and interfaces, and on how components work together in their operating environment.

From agricultural machinery and packaging equipment to conveyors and industrial production lines, our brand stands for clear product information and a practical engineering perspective - making selection, fit and maintenance easier to understand.

Industrial architecture & environments



Architectural rendering

Attention to fit. Connection through motion.

WINSTONE DRIVE | Bearings & Power Transmission

Machining workshop layout



Workshop layout rendering

Attention to fit. Connection through motion.

WINSTONE DRIVE | Bearings & Power Transmission



WINSTONE DRIVE

Winstone Industrial Tech Co., Ltd.

Website

winstonedrive.com

Email

info@winstoneglobal.com

WhatsApp

+86 158 6784 1246

Address

Room 35A04, Tower A, Ningbo Center,
Yinzhou District, Ningbo, Zhejiang, China

BEARINGS & POWER TRANSMISSION