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Enter web God	e (ex. #SFJ)				TYPICALLY IN STOCK
Product Name	Spur Gears	Helical Gears	Bevel Gears	Gear Racks	Worm Gears
Usage, Picture					
Efficiency	94–98%	94–98%	93–99%	98–99%	30–90%
Gear Axis	Parallel	Parallel and Intersecting Axis	Intersecting Axis	Non-Intersecting and Non-Parallel Axis	Non-Intersecting and Non-Parallel Axis
Advantages	Highly reliable, simplest in design and easiest to manufacture     Offer constant velocity ratio and are more efficient than helical gear of same size     Spur gear teeth are parallel to its axis and do not produce axial thrust     Used in efficient power transfer and low speed application (robotics application, machine tools etc.)	Run more smoothly and quietly than spur gears due to angled teeth desiged Highly durable and are ideal for high-load applications Load is distributed over several teeth, resulting in less wear Used in high-speed, high-power mechanical systems like car gear boxes, machine tools, etc.	<ul> <li>This gear makes it possible change the operating angle</li> <li>Can be with straight or spirateeth</li> <li>Miter gears are a special type of bevel gear designed to operate in pairs with identical numbers of teeth and diametral pitches, and a 1:1 ratio</li> <li>Transmission, Bevel Gear Differencial, Printing, Material Handeling</li> </ul>	- Compact al - Robust - Easiest way to convert	- Worm gear drives operate silently and smoothly - Self-locking and occupy less space - Have high velocity ratio - Used for reducing speed and increasing torque (gear reduction boxes)
Disadvantages	Gear teeth experience a large amount of stress     Cannot transfer power between non-parallel shafts     Compared to other gears, generate more noise at high speeds	More expensive than spur gears     Mashed helical gears create axial trust that need adequate support (like trust bearings)     Lower efficiency due to axial trust generating more heat between sliding teeth	One wheel of bevel gear is designed to work with its complementary wheel and no other     Must be precisely mounted     The shafts' bearings must be capable of supporting significant forces     Noisy at the higher speeds	<ul> <li>Inherent friction causes constant wear and part replacment after certin time</li> </ul>	Worm gear materials are expensive     Worm drives have high power losses     They produce a lot of heat
Gears  #GEAH Spur Gears – with Pilot Bore  #GEAB Spur Gears – Pressure Angle 20 Deg., Module 0.5  #GEA1 Spur Gears – Pressure Angle 20 Deg., Module 0.8  #GEA2 Spur Gears – Pressure Angle 20 Deg., Module 0.8					









#GEA6 Induction Hardened Spur Gears -Pressure Angle 20 Deg.



#NEGH Helix Gears - Pressure Angle 20 Deg., Helix Angle 45 Deg.



#GEA4 Spur Gears - Pressure Angle

20 Deg., Module 2.0



#GEYH **Bonded Plastic Spur Gears** 



**#GEAD** Spur Gears - Bearing Built-in



#GEA5 Spur Gears - Pressure Angle 20 Deg., Module 2.5



#GEAM Plastic Spur Gears - Pressure Angle 20 Deg.



**#RGMA** Round Gear Rack - Pressure Angle 20 Deg., Standard L Dimension



#GEAO Spur Gears - Pressure Angle 20 Deg., Module 3.0



#GEAL Keyless Spur Gears -Pressure Angle 20 Deg.



**#WGEU** Worm Gear



#GEFB Spur Gears - Tooth Width, Hub Dimension Configurable, Pressure Angle 20 Deg.



**#KGHS** Bevel Gears - Pressure Angle 20 Deg.



**#WGEA** Worm Wheel

