



# Gear Range

# Basic Part Numbering

**AP 05 S1 B4 F45 A - 55 B**

## Gear Type

Pin hub	<b>P</b>
Clamp hub	<b>C</b>
Hubless	<b>F</b>
Reli-a-Grip® clamp hub	<b>G</b>
Anti-backlash pin hub	<b>AP</b>
Anti-backlash clamp hub	<b>AC</b>
Anti-backlash clamp hub, miniature	<b>AR</b>
Synchro gears	<b>AS</b>
Anti-backlash Reli-a-Grip® clamp hub	<b>AG</b>
Plain rack pinion	<b>SH</b>
Anti-backlash rack pinion	<b>AH</b>

## Pitch

Module	DP	
1.5	<b>150#</b>	16 <b>16#</b>
1.25	<b>125#</b>	20 <b>20#</b>
1.0	<b>10#</b>	32 <b>32#</b>
0.8	<b>08#</b>	48 <b>48#</b>
0.6	<b>06</b>	64 <b>64#</b>
0.5	<b>05</b>	72 <b>72#</b>
0.4	<b>04</b>	80 <b>80#</b>
0.3	<b>03</b>	96 <b>96#</b>
0.25	<b>025</b>	100 <b>100#</b>
0.2	<b>02</b>	120 <b>120#</b>
1mmCP	<b>1M</b>	1/10"CP <b>31#</b>
2mmCP	<b>2M</b>	1/20"CP <b>62#</b>
2.5mmCP	<b>25M</b>	

## Material Code

Aluminium alloy	<b>A1</b>
Stainless steel 303	<b>S1</b>
Stainless steel 316	<b>S2#</b>
Hardened stainless steel 17-4PH	<b>S9</b>
Brass	<b>B2#</b>
Acetal	<b>D2#</b>
PEEK™ ploymer	<b>P1#</b>

## Bore

Metric	Imperial	
2mm	5/64"	<b>B078#</b>
3mm	1/8"	<b>B125#</b>
4mm	0.12"	<b>B120#</b>
4.76mm	3/16"	<b>B187#</b>
5mm	1/4"	<b>B250#</b>
6mm	5/16"	<b>B312#</b>
6.11mm	3/8"	<b>B375#</b>
8mm	11/16"	<b>B687#</b>
10mm	1"	<b>B1000#</b>
12mm		<b>B12</b>
15mm		<b>B15</b>

Drawing Issue

Separator

Number of Teeth

## Gear Quality

AQ14	<b>A</b>
AQ12	<b>B</b>
AQ11	<b>C</b>
AQ10 (Standard)*	

\*Standard accuracy AQ10 (1.25Mod, 20DP or finer), AQ9 (1.5Mod, 16DP or coarser).

## Face Width

2mm	<b>F2</b>
3mm	<b>F3</b>
3.3mm	<b>F33</b>
3.5mm	<b>F35</b>
4mm	<b>F4</b>
4.5mm	<b>F45</b>
5mm	<b>F5</b>
6mm	<b>F6</b>
6.5mm	<b>F61</b>
7mm	<b>F7</b>
8mm	<b>F8</b>
8.9mm	<b>F89</b>
10mm	<b>F10</b>
12mm	<b>F12</b>

# indicates non-standard items. Please inquire for details regarding large modules, imperial pitches and bores, and alternative materials.

Standard Product Sales : 1.803.396.5544

+44 1.803.396.7810

www.tpa-us.com

info@tpa-us.com