

# 5 Specification Illustration

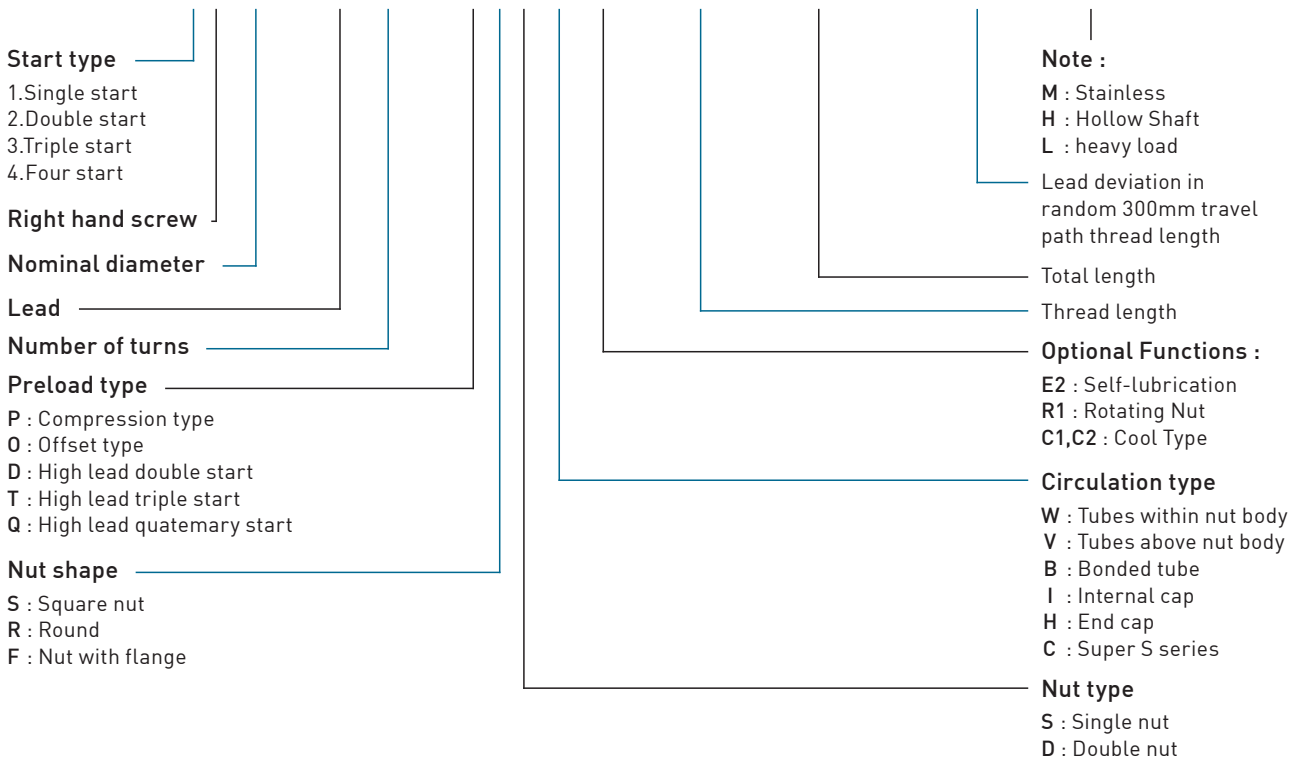
HIWIN manufactures ballscrews according to customers' blueprints or specifications. Please read the following information for understanding out ballscrew designing.

1. Nominal diameter.
2. Thread lead.
3. Thread length, total length.
4. End journal configuration.
5. Nut configuration
6. Accuracy grade (lead deviation, geometrical tolerance).
7. Working speed.
8. Maximum static load, working load, preload drag torque.
9. Nut safety requirements.
10. Lubrication hole position.

## HIWIN Ballscrew Nomenclature

HIWIN ballscrews can be specified as follows :

**1R40 - 10B2 - PFDWE2 - 800 - 1000 - 0.0035 - M**



Number of turns

A : 1.5, B: 2.5, C: 3.5	T3 : 3	S1 : 1.8x1	U1 : 2.8x1	K2 : 2
A2 : 1.5x2	T4 : 4	S2 : 1.8x2	U2 : 2.8x2	K3 : 3
B2 : 2.5x2	T5 : 5	S4 : 1.8x4	V2 : 0.7x2	K4 : 4
C1 : 3.5x1	T6 : 6			

- Note :
1. Different diameters and leads are available upon request.
  2. Right hand thread is standard, left hand thread is available upon request.
  3. Longer lengths are available upon request.
  4. Stainless steel is available upon request, only if the ball size is less than 2.381 mm.
  5. Complete questionnaire on page 170~171 and consult with HIWIN engineers.
  6. If you need to order DIN 69051 type, please mark "DIN".
  7. Number of turns = turns per circuit x number of circuits.
- Please refer to page 6 for detailed illustration.