

Table 14.3 Lead Accuracy and Maximum Rolled Length

Screw nominal outer diameter $\varnothing(mm)$	Lead Accuracy Grade ( $e_{300}$ ) Maximum Rolling Length ( $mm$ )			
	C5	C7	C8	C10
12	1500	1500	1500	1500
14	1500	3000	3000	3000
15	2000	3000	3000	3000
16	2000	3000	3000	3000
20	3000	3000	3000	3000
25	3000	6000	6000	6000
28				
32				
36				
38				
40				
50				

## 14.5 Axial Play

The maximum axial play under normal non-preload condition, as shown in table 14.4

Table 14.4 Maximum Axial Play

Screw O.D. $\varnothing d (mm)$	6~32	36~50
Maximum Axial Play ( $mm$ )	0.04	0.07

**PMI** rolled ballscrews can eliminate axial play by preloading. Please contact our sales representatives if preloading is required.

## 14.6 Materials and Hardness

Standard material and surface hardness for **PMI** rolled screw, as shown in table 14.5

Table 14.5

Denomination	Material	Heat Treatment	Hardness (HRC)
Rolled screw	S55C/Equivalent	Induction hardening	58~62
Nuts	SCM420H/Equivalent	Carburized hardening	58~62