



Precision Rolled Ball Screw
Support Unit For Ball Screw



www.natec-corporation.com

NATEC[®]

NATEC CORPORATION LTD. JAPAN

PRECISION ROLLED BALL SCREWS

Features of Rolled Ball Screws

"Zero" Axial Clearance

Low price Quick Delivery

Ball Screw shafts are mass-produced by thread rolling process result in considerable cost reduction.

Always stocked for short delivery.

High Transmission Efficiency

As ball roll between a screw shaft and nut, smooth rotation and high transmission efficiency are possible.

Therefore, driving torque is lower one third as compared with that of conventional sliding screws, and moreover, it is easy to change the linear action to the rotary motion.

Outstanding durability

Rigidly selected materials, proper heat-treatment and advanced processing are combined to provide outstanding durability.

Material and heat-treatment

	MATERIAL	HEAT-TREATMENT	HARDNESS
SCREW SHAFT	S55C	INDUCTION HARDENING	HRC56~62
NUT	SCM420	HADENING AFTER CARBURIZATION	HRC58~62
STEEL BALL	SUJ2	HARDENING	HRC60 OR MORE

Size of Rolled Ball Screws

O.D.OF SCREW SHAFT	LEAD		
	4	5	10
16		500 1000 1500 2000	
20		500 1000 1500 2000	
25		1000 1500 2000 2500	1000 1500 2000 2500
32		1000 1500 2000 3000	1000 1500 2000 3000
40		1000 2000 3000 4000 5000	1000 2000 3000 4000 5000
50		1000 2000 3000 4000 5000	1000 2000 3000 4000 5000

Axial Play

O.D.OF SCREW SHAFT	C7	C10
1605 1610 2005 2505	0.04mm	0.10mm
2510 3205 3210	0.07mm	0.17mm
4005 4010	0.10mm	0.10mm