



(2) Made-to-order ball screws

Table 4.7 shows the combinations of screw shaft diameter and leads for made-to-order ball screws. For details, refer to the dimension tables from pages B429 and B491.

Table 4.6 Screw shaft diameter, lead and standard screw shaft length of R Series Unit: mm

Screw shaft diameter	Lead	Standard screw shaft length									
		400	500	800	1 000	1 500	2 000	2 500	3 000	4 000	5 000
10	3	●		●							
	6	●		●							
12	8	●		●							
	12	●		●							
14	4		●		●						
	5		●		●						
15	20		●		●	●					
16	10		●		●	●					
	16		●		●	●					
18	32		●		●	●					
	8		●		●	●					
20	5		●		●		●				
	10		●		●		●				
	20		●		●		●				
	40		●		●	●					
25	5		●		●		●	●			
	10		●		●		●	●			
	25				●		●	●			
	50				●		●	●			
28	6			●		●	●				
32	10			●		●		●			
	32			●		●		●			
	64			●		●		●	●		
36	10			●		●		●			
	10					●		●	●		
40	40					●		●	●		
	80					●		●	●	●	
45	12					●		●	●	●	
50	10					●		●	●		
	16					●		●	●		
	50					●		●	●		

Table 4.7 Combinations of screw shaft diameter and leads for typical ball screw Unit: mm

Lead	0.5	1	1.5	2	2.5	3	4	5	6	8	10	12	14	15	16	20	25	30	32	36	40	50	60	64	80	100
4	D	D																								
6	D	D		D						S		S														
8	D	D	D	D							S		S													
10		D		D	D		T	S			S															
12		D		D	D	D	T	S,T			S,T					S,C		S								
14				D		D		T		T																
15								S			S,T					S,C		S				C				
16				D	D		T	T	T					T,C				C			C					
20				D			T	S,T	T,D	T	S,T				T	S,T	S,C	S			S,C		S,C			
25				D			T	S,T	T,D	T,B	S,T	D,B			T	S,T	S,C	S				S,C			C	
28							T	T	T																	
32				D			T	S,T	T,D	T,D	S,T	S,T			S,V	S,T	T,N		S,T	C,V				S,C		
36								S,T	T		S,T	S,F			S,H	S,H										
40				D				T,D	T,D	T,D	S,T	S,T			S,T	S,H	S,T	S,H	T,H	H	S,T				S	
45											S,T	S,T			S,H	S,H	S,H	S,H	H	H						
50								T,D	T,D	T,D	S,T	S,T	F		S,T	S,T	S,T	S,H	T,H	N	T,N	S,T			S	
55											T,F	F	F		F	H	H	H	H							
63									D	D	T,D	D,F	F		F	T,D	F		F		T,F	T				
80											T,D	T,D	F		T,F	T,D	F					F				
100										D	T,D				T,F	T,D	F									
120															F	F	F									
125															T	T										
140																F	F	F	F							
160																	F	F	F							
200																	F	F	F							

T: Tube type  
D: Deflector(bridge) type  
C: End cap type  
S: End deflector type  
H: HMC type, HMD type  
F: HTF-SRC, HTF-SRD, HTF type  
N: ND Series  
B: BSL type  
V: VSS type