Ordering Keys

Linear Motion Systems with Ball Screw Drive and Ball Guides

WM40S, WM40D, WM60S, WM60D, WM60X, WM80S, WM80D, WM120D

1	2	3	4	5	6	7	8	9	10
WM06D	20	LX	ZZ6	-02545	-03715	A	Z	0520	S1

1. Type of unit
WM04S = WM40S unit with single ball nut
WM04D = WM40D unit with double ball nuts
WM06S = WM60S unit with single ball nut
WM06D = WM60D unit with double ball nuts
WM06X = WM60X unit with left/right screw
WM08S = WM80S unit with single ball nut
WM08D = WM80D unit with double ball nuts
WM12D = WM120D unit with double ball nuts

2. Screw lead[1]
05 = 5 mm
10 = 10 mm
20 = 20 mm
40 = 40 mm
50 = 50 mm

3. Transmission type
LX = inline style, directly coupled,
    RediMount flange
SX = inline style, directly coupled,
    no RediMount flange

4. RediMount motor ID code
vvw = alphanumeric motor code for suitable
    RediMount flange when motor is known
999 = RediMount code used when motor is
    unknown
XXX = for units without RediMount flange

5. Maximum stroke (Smax)
- xxxxx = distance in mm

6. Total length of unit (L tot)
- yyyyy = distance in mm

7. Drive shaft / RediMount configuration[2]
A = single shaft without key way
C = single shaft with key way or RediMount
G = double shafts, first without key way and
    second for encoder
I = double shafts, first with key way or
    RediMount and second for encoder[3]

8. Carriage configuration[4]
N = single standard carriage
S = single short carriage
L = single long carriage
Z = double standard carriages
Y = double short carriages
M = double long carriages

9. Distance between double carriages (Lc)
0000 = always for single carriages
zzzz = distance in mm

10. Protection option[5]
S1 = wash down protection (not available for
    WM04 units)

[1] See table below for available combinations
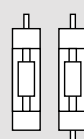of units and ball screw leads.

Type of unit	Available screw leads [mm]				
	5	10	20	40	50
WM04S	x				
WM04D	x				
WM06S	x		x		x
WM06D	x		x		x
WM06X	x				
WM08S	x	x	x		x
WM08D	x	x	x		x
WM12D	x	x	x	x	

[2] See below for the definition of shafts.

Single and double shafts with RediMount
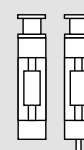
Single and double shafts without RediMount

[3] Drive shaft configuration I not available for
WM 40.

[4] See table below for available combinations
of units and carriage types.

Type of unit	Available carriage types					
	N	S	L	Z	Y	M
WM04S	x			x		
WM04D			x			x
WM06S		x		x		
WM06D	x		x	x		
WM06X	x	x	x			
WM08S		x			x	
WM08D	x		x	x		
WM12D	x		x	x		

[5] Leave position blank if no additional
protection is required.

Note! for ordering of options type EN, ES, KRG, RT, ADG and MGK, see accessory index on page 131.

THOMSON
Linear Motion. Optimized.™

Ordering Keys

Linear Motion Systems with Ball Screw Drive and No Guides

WV60, WV80, WV120

1	2	3	4	5	6	7	8	9	10
WV08D	20	SX	XXX	-02745	-03295	G	N	0000	

1. Type of unit
WV06D = WV60 unit
WV08D = WV80 unit
WV12D = WV120 unit

2. Ball screw lead[1]
05 = 5 mm
10 = 10 mm
20 = 20 mm
40 = 40 mm
50 = 50 mm

3. Transmission type
LX = inline style, directly coupled,
      RediMount flange
SX = inline style, directly coupled,
      no RediMount flange

4. RediMount motor ID code
vvw = alphanumeric motor code for suitable
        RediMount flange when motor is known
999 = RediMount code used when motor is
        unknown
XXX = for units without RediMount flange

5. Maximum stroke (Smax)
- xxxxx = distance in mm

6. Total length of unit (L tot)
- yyyyy = distance in mm

7. Drive shaft / RediMount configuration[2]
A = single shaft without key way
C = single shaft with key way or RediMount
G = double shafts, first without key way and
      second for encoder
I = double shafts, first with key way or
      RediMount and second for encoder[3]

8. Carriage configuration
N = single standard carriage

9. Distance between double carriages (Lc)
0000 = always for single carriages
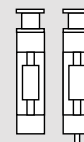
10. Protection option[3]
S1 = wash down protection

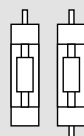[1] See table below for available combinations
of units and ball screw leads.

Type of unit	Available screw leads [mm]				
	5	10	20	40	50
WV06D	x		x		x
WV08D	x	x	x		x
WV12D	x	x	x	x	

[2] See below for the definition of shafts.

Single and double shafts with RediMount
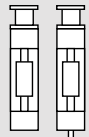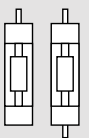
Single and double shafts without RediMount

[3] Leave position blank if no additional
protection is required.

Note! for ordering of options type EN, ES, KRG, RT, ADG and MGK, see accessory index on page 131.

Ordering Keys

Linear Motion Systems with Lead or Ball Screw Drive and Ball Guides

MLSM60D, MLSM80D

1	2	3	4	5	6	7	8	9
MLSM06D	20	LX	PP1	-03800	-04645	C	L	0000

1. Type of unit
MLSM06D = MLSM60 unit
MLSM08D = MLSM80 unit

2. Ball screw lead
05 = 5 mm
10 = 10 mm
20 = 20 mm
40 = 40 mm
50 = 50 mm

3. Transmission type
LX = inline style, directly coupled,
     RediMount flange
SX = inline style, directly coupled,
     no RediMount flange

4. RediMount motor ID code
vvw = alphanumeric motor code for suitable
       RediMount flange when motor is known
999 = RediMount code used when motor is
       unknown
XXX = for units without RediMount flange

5. Maximum stroke (Smax)
- xxxxx = distance in mm

6. Total length of unit (L tot)
- yyyyy = distance in mm

7. Drive shaft / RediMount configuration[2]
A = single shaft without key way
C = single shaft with key way or RediMount
G = double shafts, first without key way and
     second for encoder
I = double shafts, first with key way or
     RediMount and second for encoder[3]

8. Carriage configuration
N = single standard carriage
L = single long carriage
Z = double standard carriages

9. Distance between double carriages (Lc)
0000 = always for single carriages
zzzz = distance in mm

[1] See table below for available combinations
  of units and ball screw leads.

Type of unit	Available screw leads [mm]				
	5	10	20	40	50
MLSM06D	x		x		x
MLSM08D	x	x	x	x	

[2] See below for the definition of shafts.

Single and double shafts with RediMount

Single and double shafts without RediMount

THOMSON®
Linear Motion. Optimized.

Ordering Keys

Linear Motion Systems with Ball Screw Drive and Ball Guides

M55, M75, M100

1	2	3	4	5	6	7	8	9	10
MF07S	05	LX	MC8	-01000	-01500	X	N	0000	S1

1. Type of unit
MF06S = M55 unit, ball guides, ball screw
MF07S = M75 unit, ball guides, ball screw
MF10S = M100 unit, ball guides, ball screw

2. Screw lead and tolerance class[1]
05 = 5 mm
10 = 10 mm
12 = 12,7 mm
20 = 20 mm
25 = 25 mm

3. Transmission type
LX = inline style, directly coupled,
        RediMount flange
SX = inline style, directly coupled,
        no RediMount flange

4. RediMount motor ID code
vvw = alphanumeric motor code for suitable
        RediMount flange when motor is known
999 = RediMount code used when motor is
        unknown
XXX = for units without RediMount flange

5. Maximum stroke (Smax)
- xxxxx = distance in mm

6. Total length of unit (L tot)
- yyyyy = distance in mm

7. Screw supports
X = no screw supports
S = single screw supports
D = double screw supports

8. Carriage configuration
N = single standard carriage
Z = double standard carriages

9. Distance between carriages (Lc)
0000 = for all single standard carriage units
zzzz = distance in mm between carriages

10. Protection option[2]
S1 = wash down protection

[1] See table below for available combinations of
   units and ball screw type, lead and tolerance.

Ball screw type	Type of unit		
	M55	M75	M100
05	x	x	x
10	x		x
12		x	
20	x	x	
25			x

[2] Leave position blank if no additional
   protection is required.

Ordering Keys

Linear Motion Systems with Lead or Ball Screw Drive and Ball Guides

2HB10, 2HB20

1	2	3	4	5	6	7	8	9	10	11
2HB10	H0	N1285	-038	N	001	A	0	A	0	0

1. Type of unit
2HB10 = 2HB10 unit
2HB20 = 2HB20 unit

2. Ball screw diameter, lead and nut type
G0 = 16 mm, 5 mm, preloaded (2HB10 only)
H0 = 16 mm, 10 mm, preloaded (2HB10 only)

L0 = 25 mm, 5 mm, preloaded (2HB20 only)
M0 = 25 mm, 10 mm, preloaded(2HB20 only)
N0 = 25 mm, 25 mm, preloaded (2HB20 only)

3. Ordering length (L)
N xxxxx = distance in mm

4. Y-distance
- 038 = standard distance in mm between motor end plate to first set of
         mounting holes on 2HB10
- 043 = standard distance in mm between motor end plate to first set of
         mounting holes on 2HB20
- yyy = custom distance in mm between motor end plate to first set of
         mounting holes

5. Brake option
N = no brake
B = brake

6. RediMount motor ID code
001 = NEMA 23
002 = NEMA 34
zzz = consult www.LinearMotioneering.com for complete list of
       available standard RediMount motor flanges

7. Ball guide rail coating option
A = standard
D = Duralloy

8. Ball guide carriage coating option
0 = standard
1 = Duralloy

9. Profile cover option
A = none
B = bellows (bellows will reduce stroke length app. 28%)
C = shrouds

10. Hardware option
0 = alloy plated
1 = stainless steel

11. Home and end of stroke sensor option
0 = no sensors
1 = home sensor, NPN type
2 = end of stroke sensors, NPN type
3 = home and end of stroke sensors, NPN type
4 = home sensor, PNP type
5 = end of stroke sensors, PNP type
6 = home and end of stroke sensors, PNP type

THOMSON®
Linear Motion. Optimized.™

Ordering Keys

Linear Motion Systems with Lead or Ball Screw Drive and Ball Guides

2RB12, 2RB16

1	2	3	4	5	6	7	8	9	10	11
2RB12	J0	N1000	-100	N	002	B	0	A	0	0

1. Type of unit
2RB12 = 2RB12 unit
2RB16 = 2RB16 unit

2. Ball screw diameter, lead and nut type
G0 = 16 mm, 5 mm, preloaded (2RB12 only)
H0 = 16 mm, 10 mm, preloaded (2RB12 only)

I0 = 20 mm, 5 mm, preloaded (2RB16 only)
J0 = 20 mm, 10 mm, preloaded (2RB16 only)
K0 = 20 mm, 25 mm, preloaded (2RB16 only)

3. Ordering length (L)
N xxxx = distance in mm

4. Y-distance
- 075 = standard distance in mm between motor end plate to first set of
         mounting holes on 2RB12
- 100 = standard distance in mm between motor end plate to first set of
         mounting holes on 2RB16
- yyy = custom distance in mm between motor end plate to first set of
         mounting holes

5. Brake option
N = no brake
B = brake

6. RediMount motor ID code
001 = NEMA 23
002 = NEMA 34
zzz = consult www.LinearMotioneering.com for complete list of
         available standard RediMount motor flanges

7. Ball guide shaft coating option
A = standard, 60 Case
B = stainless steel (440C)
C = chrome plated
E = armoloy

8. Bearing option
0 = standard
1 = corrosion resistance

9. Profile cover option
A = none
B = bellows (bellows will reduce stroke length app. 28%)

10. Hardware option
0 = alloy plated
1 = stainless steel

11. Home and end of stroke sensor option
0 = no sensors
1 = home sensor, NPN type
2 = end of stroke sensors, NPN type
3 = home and end of stroke sensors, NPN type
4 = home sensor, PNP type
5 = end of stroke sensors, PNP type
6 = home and end of stroke sensors, PNP type

www.thomsonlinear.com

Ordering Keys

Linear Motion Systems with Lead or Ball Screw Drive and Ball Guides

MS25, MS33

1	2	3	4	5	6	7	8	9	10	11
MS25	LC	N0300	-056	N	505	A	0	A	0	0

1. Type of unit
MS25 = MS25 unit
MS33 = MS33 unit

2. Lead screw diameter, lead and nut type
LA = MS25, 0,25 inch, 0,025 in, preloaded
LB = MS25, 0,25 inch, 0,050 in, preloaded
LC = MS25, 0,25 inch, 0,062 in, preloaded
LD = MS25, 0,25 inch, 0,200 in, preloaded
LE = MS25, 0,25 inch, 0,250 in, preloaded
LF = MS25, 0,25 inch, 0,500 in, preloaded
LG = MS25, 0,25 inch, 1,000 in, preloaded
LH = MS25, 0,25 inch, 1,5 mm, preloaded
LI = MS25, 0,25 inch, 2,0 mm, preloaded
LJ = MS25, 0,25 inch, 3,0 mm, preloaded

LA = MS33, 0,375 inch, 0,0625 in, preloaded
LB = MS33, 0,375 inch, 0,100 in, preloaded
LC = MS33, 0,375 inch, 0,125 in, preloaded
LD = MS33, 0,375 inch, 0,200 in, preloaded
LE = MS33, 0,375 inch, 0,250 in, preloaded
LF = MS33, 0,375 inch, 0,375 in, preloaded
LG = MS33, 0,375 inch, 0,500 in, preloaded
LH = MS33, 0,375 inch, 1,000 in, preloaded
LI = MS33, 0,375 inch, 1,200 in, preloaded
LJ = MS33, 0,375 inch, 2,0 mm, preloaded

3. Ordering length (L)
N xxxx = distance in mm

4. Y-distance
- 045 = standard distance in mm between motor end plate to first set of
        mounting holes on MS25
- 055 = standard distance in mm between motor end plate to first set of
        mounting holes on MS33
- yyy = custom distance in mm between motor end plate to first set of
        mounting holes

5. Brake option
N = no brake (standard)

6. RediMount motor ID code
505 = NEMA 17
001 = NEMA 23
zzz = consult www.LinearMotioneering.com for complete list of
        available standard RediMount motor flanges

7. Linear guides shafting option
A = 60 case (1566)
B = stainless steel (440C)
C = chrome plated

8. Bearing type option
0 = standard
1 = corrosion resistant

9. Profile cover option
A = none
B = bellows (bellows will reduce stroke length app. 28%)

10. Hardware option
0 = alloy plated
1 = stainless steel

11. Home and end of stroke limit switch option
0 = no home or end of stroke limit switches
7 = home position limit switch
8 = end of stroke limit switches

THOMSON®
Linear Motion. Optimized.™

Ordering Keys

Linear Motion Systems with Lead or Ball Screw Drive and Ball Guides

2DB08, 2DB12, 2DB16

1	2	3	4	5	6	7	8	9	10	11
2DB12	F0	N0250	-300	N	002	A	0	A	0	0

1. Type of unit
2DB08 = 2DB08 unit
2DB12 = 2DB12 unit
2DB16 = 2DB16 unit

2. Screw type, diameter, lead and nut type
A0 = leadscrew, 0.375 in, 0.100 in, preloaded (2DB08 only)
B0 = leadscrew, 0.375 in, 0.250 in, preloaded (2DB08 only)
C0 = leadscrew, 0.375 in, 0.500 in, preloaded (2DB08 only)
D0 = leadscrew, 0.375 in, 0.750 in, preloaded (2DB08 only)
E0 = leadscrew, 0.375 in, 1.000 in, preloaded (2DB08 only)

F0 = ballscrew, 0.631 in, 0.200 in, non-preloaded (2DB12 only)
V0 = ballscrew, 0.631 in, 0.200 in, preloaded (2DB12 only)
QJ = ballscrew, 0.500 in, 0.500 in, preloaded (2DB12 only)

G0 = ballscrew, 0.750 in, 0.200 in, non-preloaded (2DB16 only)
W0 = ballscrew, 0.750 in, 0.200 in, preloaded (2DB16 only)
RJ = ballscrew, 0.750 in, 0.500 in, preloaded (2DB16 only)
LJ = ballscrew, 0.631 in, 1.0 in, preloaded (2DB16 only)
D0 = ballscrew, 20 mm, 5 mm, preloaded (2DB16 only)

3. Ordering length (L)
N xxxx = distance in inch (e.g. 0250 = 25 inch)

4. Y-distance
- 200 = standard distance in inch between motor end plate to first set of
        mounting holes for 2DB08 (e.g. 200 = 2 in)
- 300 = standard distance in inch between motor end plate to first set of
        mounting holes for 2DB12 and 2DB16 (e.g. 300 = 3 in)
- yyy = custom distance in inch between motor end plate to first set of
        mounting holes

5. Brake option
N = no brake
B = brake

6. RediMount motor ID code
001 = NEMA 23
002 = NEMA 34
zzz = consult www.LinearMotioneering.com for complete list of
        available standard RediMount motor flanges

7. Ball guide shaft coating option
A = standard, 60 Case
B = stainless steel (440C)
C = chrome plated
E = Armoloy

8. Bearing option
0 = standard
1 = corrosion resistance

9. Profile cover option
A = none
B = bellows (bellows will reduce stroke length app. 28%)

10. Hardware option
0 = alloy plated
1 = stainless steel

11. Home and end of stroke sensor option
0 = no sensors
7 = home
8 = ends of travel
9 = both

Ordering Keys

Linear Motion Systems with Ball Screw Drive and Slide Guides

M55, M75, M100

1	2	3	4	5	6	7	8	9	10
MG07S	05	LX	PP2	-01000	-01500	X	N	0000	S1

1. Type of unit
MG06S = M55 unit, slide guides, ball screw
MG07S = M75 unit, slide guides, ball screw
MG10S = M100 unit, slide guides, ball screw

2. Screw lead and tolerance class[1]
05 = 5 mm
10 = 10 mm
12 = 12,7 mm
20 = 20 mm
25 = 25 mm

3. Transmission type
LX = inline style, directly coupled,
       RediMount flange
SX = inline style, directly coupled,
       no RediMount flange

4. RediMount motor ID code
vvw = alphanumeric motor code for suitable
        RediMount flange when motor is known
999 = RediMount code used when motor is
        unknown
XXX = for units without RediMount flange

5. Maximum stroke (Smax)
- xxxxx = distance in mm

6. Total length of unit (L tot)
- yyyyy = distance in mm

7. Screw supports
X = no screw supports
S = single screw supports
D = double screw supports

8. Carriage configuration
N = single standard carriage
Z = double standard carriages

9. Distance between carriages (Lc)
0000 = for all single standard carriage units
zzzz = distance in mm between carriages

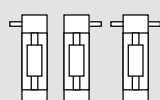**10. Protection option[2]**
S1 = wash down protection

[1] See table below for available combinations of
   units and ball screw type, lead and tolerance.

Ball screw type	Type of unit		
	M55	M75	M100
05	x	x	x
10	x		x
12		x	
20	x	x	
25			x

[2] Leave position blank if no additional
   protection is required.

THOMSON
Linear Motion. Optimized.

Ordering Keys

Linear Motion Systems with Belt Drive and Ball Guides

WH40

1	2	3	4	5	6	7	8
WH04Z	LX	FB7	-01400	-01755	H	L	0400

1. Type of unit
WH04Z = WH40 unit

2. Transmission type
LX = inline style, directly coupled, RediMount flange
SX = inline style, directly coupled, no RediMount flange

3. RediMount motor ID code
vvw = alphanumeric motor code for suitable RediMount flange when
          motor is known
999 = RediMount code used when motor is unknown
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy= distance in mm

6. Drive shaft / RediMount flange configuration[1]
A = shaft on left side without key way
B = shaft on right side without key way
C = shaft on left side with key way or RediMount
D = shaft on right side with key way or RediMount
E = shaft on left side without key way,
      shaft on right side with key way or RediMount
F = shaft on left side with key way or RediMount,
      shaft on right side without key way
G = shaft on left side without key way,
      shaft on right side for encoder
H = shaft on left side for encoder,
      shaft on right side without key way
I = shaft on left side with key way or RediMount,
      shaft on right side for encoder
J = shaft on left side for encoder,
      shaft on right side with key way or RediMount
L = shaft on left and right side without key way
M = shaft on left side with key way or RediMount,
      shaft on right side with key way
N = shaft on left side with key way,
      shaft on right side with key way or RediMount
W = hollow shaft on both sides with clamping unit

Note! for ordering of options type EN, ES, KRG, RT, ADG and MGK, see accessory index on page 131.

7. Carriage configuration
N = single standard carriage
L = single long carriage
Z = double standard carriages

8. Distance between double carriages (Lc)
0000 = always for single carriages
zzzz = distance in mm

[1] See below for the definition of shafts.

Left, right or both sides with shafts with RediMount

Left or right with RediMount and other side a shaft without RediMount

Left or right without RediMount

Ordering Keys

Linear Motion Systems with Belt Drive and Ball Guides

WM60Z, WM80Z

1	2	3	4	5	6	7	8
WM06Z	LX	AG5	-01400	-01755	H	L	0400

1. Type of unit
WM06Z = WM60Z unit
WM08Z = WM80Z unit

2. Transmission type
LX = inline style, directly coupled, RediMount flange
SX = inline style, directly coupled, no RediMount flange

3. RediMount motor ID code
vvw = alphanumeric motor code for suitable RediMount flange when motor is known
999 = RediMount code used when motor is unknown
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy= distance in mm

6. Drive shaft / RediMount flange configuration[1]
A = shaft on left side without key way
B = shaft on right side without key way
C = shaft on left side with key way or RediMount
D = shaft on right side with key way or RediMount
E = shaft on left side without key way,
    shaft on right side with key way or RediMount
F = shaft on left side with key way or RediMount,
    shaft on right side without key way
G = shaft on left side without key way,
    shaft on right side for encoder
H = shaft on left side for encoder,
    shaft on right side without key way
I = shaft on left side with key way or RediMount,
    shaft on right side for encoder
J = shaft on left side for encoder,
    shaft on right side with key way or RediMount
L = shaft on left and right side without key way
M = shaft on left side with key way or RediMount,
    shaft on right side with key way
N = shaft on left side with key way,
    shaft on right side with key way or RediMount
W = hollow shaft on both sides with clamping unit

7. Carriage configuration[2]
N = single standard carriage
S = single short carriage
L = single long carriage
Z = double standard carriages
Y = double short carriages

8. Distance between double carriages (Lc)
0000 = always for single carriages
zzzz = distance in mm

[1] See below for the definition of shafts.

Left, right or both sides with shafts with RediMount

Left or right with RediMount and other side a shaft without RediMount

Left or right without RediMount

[2] See table below for available combinations of units and carriage types.

Type of unit	Available carriage types				
	N	S	L	Z	Y
WM06Z		x			x
WM08Z	x	x	x	x	x

Note! for ordering of options type EN, ES, KRG, RT, ADG and MGK, see accessory index on page 131.

THOMSON®
Linear Motion. Optimized.™

Ordering Keys

Linear Motion Systems with Belt Drive and Ball Guides

M55, M75, M100

1	2	3	4	5	6	7	8	9
MF10B	LX	999	-01000	-01500	D	N	0000	S1

1. Type of unit
MF06B = M55 unit, ball guides, belt drive
MF07B = M75 unit, ball guides, belt drive
MF10B = M100 unit, ball guides, belt drive

2. Transmission type
LX = inline style, directly coupled, RediMount flange
SX = inline style, directly coupled, no RediMount flange

3. RediMount motor ID code
vvw = alphanumeric motor code for suitable RediMount flange when motor is known
999 = RediMount code used when motor is unknown
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy = distance in mm

6. Drive shaft / RediMount flange configuration[1]
C = shaft on left side with key way or RediMount
D = shaft on right side with key way or RediMount
M = shaft on left side with key way or RediMount, shaft on right side with key way
N = shaft on left side with key way, shaft on right side with key way or RediMount

7. Carriage configuration
N = single standard carriage
Z = double standard carriages

8. Distance between carriages (Lc)
0000 = for all single standard carriage units
zzzz = distance in mm between carriages

9. Protection option
S1 = wash down protection (blank if no protection option required).

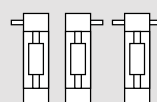[1] See below for the definition of shafts.

Left, right or both sides with shafts with RediMount

Left or right with RediMount and other side a shaft without RediMount

Left or right without RediMount

Ordering Keys

Linear Motion Systems with Belt Drive and Ball Guides

MLSM80Z

1	2	3	4	5	6	7	8
MLSM08Z	SX	XXX	-03800	-04645	C	L	0000

1. Type of unit
MLSM08Z = MLSM80 unit

2. Transmission type
LX = inline style, directly coupled, RediMount flange
SX = inline style, directly coupled, no RediMount flange

3. RediMount motor ID code
vvw = alphanumeric motor code for suitable RediMount flange when motor is known
999 = RediMount code used when motor is unknown
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy = distance in mm

6. Drive shaft / RediMount flange configuration[1]
A = shaft on left side without key way
B = shaft on right side without key way
C = shaft on left side with key way or RediMount
D = shaft on right side with key way or RediMount
E = shaft on left side without key way,
    shaft on right side with key way or RediMount
F = shaft on left side with key way or RediMount,
    shaft on right side without key way
G = shaft on left side without key way,
    shaft on right side for encoder
H = shaft on left side for encoder,
    shaft on right side without key way
I = shaft on left side with key way or RediMount,
    shaft on right side for encoder
J = shaft on left side for encoder,
    shaft on right side with key way or RediMount
L = shaft on left and right side without key way
M = shaft on left side with key way or RediMount,
    shaft on right side with key way
N = shaft on left side with key way,
    shaft on right side with key way or RediMount
W = hollow shaft on both sides with clamping unit

7. Carriage configuration
N = single standard carriage
L = single long carriage
Z = double standard carriages

8. Distance between double carriages
0000 = always for single carriages
zzzz = distance in mm

[1] See below for the definition of shafts.

Left, right or both sides with shafts with RediMount

Left or right with RediMount and other side a shaft without RediMount
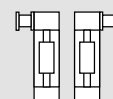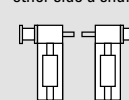
Left or right without RediMount

THOMSON®
Linear Motion. Optimized.™

Ordering Keys

Linear Motion Systems with Belt Drive and Slide Guides

M50, M55, M75, M100

1	2	3	4	5	6	7	8	9
MG07B	LX	DE5	-01000	-01500	D	N	0000	S1

1. Type of unit
MG05B = M50 unit, slide guides, belt drive
MG06B = M55 unit, slide guides, belt drive
MG07B = M75 unit, slide guides, belt drive
MG10B = M100 unit, slide guides, belt drive

2. Transmission type
LX = inline style, directly coupled, RediMount flange
SX = inline style, directly coupled, no RediMount flange

3. RediMount motor ID code
vvw = alphanumeric motor code for suitable RediMount flange when motor is known
999 = RediMount code used when motor is unknown
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy = distance in mm

6. Drive shaft / RediMount flange configuration[1]
C = shaft on left side with key way or RediMount
D = shaft on right side with key way or RediMount
M = shaft on left side with key way or RediMount, shaft on right side with key way
N = shaft on left side with key way, shaft on right side with key way or RediMount

7. Carriage configuration
N = single standard carriage
Z = double standard carriages (not possible for MG05B)

8. Distance between carriages (Lc)
0000 = for all single standard carriage units
zzzz = distance in mm between carriages (not possible for MG05B)

9. Protection option[2]
S1 = wash down protection (not possible for MG05B)
S2 = enhanced wash down protection (not possible for MG05B)

[1] See below for the definition of shafts.

Left, right or both sides with shafts with RediMount
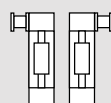
Left or right with RediMount and other side a shaft without RediMount
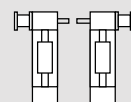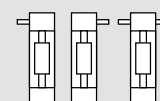
Left or right without RediMount
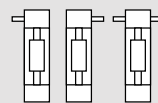
[2] Leave position blank if no additional protection is required.

Ordering Keys
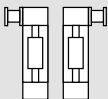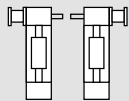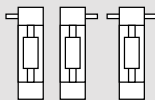
Linear Motion Systems with Belt Drive and Wheel Guides

WH50, WH80, WH120

1	2	3	4	5	6	7	8	9
WH08Z	LX	BT8	-02300	-02710	N	L	0000	S2

1. Type of unit
WH05Z = WH50 unit
WH08Z = WH80 unit
WH12Z = WH120 unit

2. Transmission type
LX = inline style, directly coupled,
     RediMount flange
SX = inline style, directly coupled,
     no RediMount flange

3. RediMount motor ID code
vvw = alphanumeric motor code for suitable
     RediMount flange when motor is known
999 = RediMount code used when motor is
     unknown
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy = distance in mm

6. Drive shaft / RediMount flange configuration[1]
A = shaft on left side without key way
B = shaft on right side without key way
C = shaft on left side with key way or RediMount
D = shaft on right side with key way or RediMount
E = shaft on left side without key way,
    shaft on right side with key way or RediMount
F = shaft on left side with key way or RediMount,
    shaft on right side without key way
G = shaft on left side without key way,
    shaft on right side for encoder
H = shaft on left side for encoder,
    shaft on right side without key way
I = shaft on left side with key way or RediMount,
    shaft on right side for encoder
J = shaft on left side for encoder,
    shaft on right side with key way or RediMount
K = hollow shaft on both sides without
    clamping unit
L = shaft on left and right side without key way
M = shaft on left side with key way or RediMount,
    shaft on right side with key way
N = shaft on left side with key way,
    shaft on right side with key way or RediMount
V = hollow shaft on both sides for Micron
    DT/DTR planetary gear option
W = hollow shaft on both sides with clamping
    unit

7. Carriage configuration
N = single standard carriage
L = single long carriage
Z = double standard carriages

8. Distance between double carriages
0000 = always for single carriages
zzzz = distance in mm

9. Protection option[2]
S1 = wash down protection
S2 = enhanced wash down protection

[1] See below for the definition of shafts.
Left, right or both sides with shafts with RediMount

Left or right with RediMount and
other side a shaft without RediMount

Left or right without RediMount

[2] Leave position blank if no additional
protection is required.

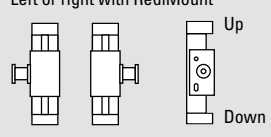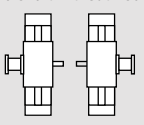Note! for ordering of options type EN, ES, KRG, RT, ADG and MGK, see accessory index on page 131.

THOMSON®
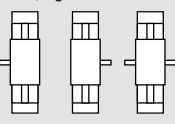*Linear Motion. Optimized.™*

Ordering Keys

Linear Motion Systems with Belt Drive and Wheel Guides

MLSH60Z

1	2	3	4	5	6	7	8
MLSH06Z	SX	XXX	-04500	-05580	D	D	0600

1. Type of unit
MLSH06Z = MLSH60 unit

2. Transmission type
LX = inline style, directly coupled, RediMount flange
SX = inline style, directly coupled, no RediMount flange

3. RediMount motor ID code
vvw = alphanumeric motor code for suitable RediMount flange when motor is known
999 = RediMount code used when motor is unknown
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy = distance in mm

6. Drive shaft / RediMount flange configuration[1]
A = shaft on left side without key way
B = shaft on right side without key way
C = shaft on left side with key way or RediMount
D = shaft on right side with key way or RediMount
E = shaft on left side without key way,
    shaft on right side with key way or RediMount
F = shaft on left side with key way or RediMount,
    shaft on right side without key way
G = shaft on left side without key way,
    shaft on right side for encoder
H = shaft on left side for encoder,
    shaft on right side without key way
I = shaft on left side with key way or RediMount,
    shaft on right side for encoder
J = shaft on left side for encoder,
    shaft on right side with key way or RediMount
L = shaft on left and right side without key way
M = shaft on left side with key way or RediMount,
    shaft on right side with key way
N = shaft on left side with key way,
    shaft on right side with key way or RediMount

7. Carriage configuration
N = single standard carriage
L = single long carriage
Z = double standard carriages

8. Distance between double carriages
0000 = always for single carriages
zzzz = distance in mm

[1] See below for the definition of shafts.

Left, right or both sides with shafts with RediMount

Left or right with RediMount and other side a shaft without RediMount

Left or right without RediMount

Ordering Keys
Linear Lifting Units

WHZ50, WHZ80

1	2	3	4	5	6	7	8	9
WHZ05Z	LX	KB5	-01000	-01410	A	N	0000	

1. Type of unit
WHZ05Z = WHZ50 unit
WHZ08Z = WHZ80 unit

2. Transmission type
LX = inline style, directly coupled,
        RediMount flange
SX = inline style, directly coupled,
        no RediMount flange

3. RediMount motor ID code
vvw = alphanumeric motor code for suitable
        RediMount flange when motor is known
999 = RediMount code used when motor is
        unknown
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy = distance in mm

Note! for ordering of options type EN, ES, KRG, RT, ADG and MGK, s
ee accessory index on page 131.

6. Drive shaft / RediMount flange configuration[1]
A = shaft on left side without key way
B = shaft on right side without key way
C = shaft on left side with key way or RediMount
D = shaft on right side with key way or RediMount
E = shaft on left side without key way,
        shaft on right side with key way or RediMount
F = shaft on left side with key way or RediMount,
        shaft on right side without key way
G = shaft on left side without key way,
        shaft on right side for encoder
H = shaft on left side for encoder,
        shaft on right side without key way
I = shaft on left side with key way or RediMount,
        shaft on right side for encoder
J = shaft on left side for encoder,
        shaft on right side with key way or RediMount
L = shaft on left and right side without key way
M = shaft on left side with key way or RediMount,
        shaft on right side with key way
N = shaft on left side with key way,
        shaft on right side with key way or Redi-
Mount
V = hollow shaft on both sides for Micron
        DT/DTR planetary gear option
W = hollow shaft on both sides with clamping
        unit

7. Carriage configuration
N = single standard carriage
L = single long carriage
Z = double standard carriages

8. Distance between double carriages
0000 = always for single carriages
zzzz = distance in mm

9. Protection option[2]
S1 = wash down protection

[1] See below for the definition of shafts.
Left or right with RediMount

Up

Down

Left or right with RediMount and other side
a shaft without RediMount

Left, right or both sides with shafts without RediMount

[2] Blank if no additional protection is required.

Z2, Z3

1	2	3	4
MGZ3K	25259	-250	450

1. Type of unit
MGZ2K = Z2 unit
MGZ3K = Z3 unit

2. Ball screw diameter, lead and tolerance class
25109 = 25 mm, 10 mm, T9
25259 = 25 mm, 25 mm, T9
32207 = 32 mm, 20 mm, T7

3. Minimum retracted length (L min)
- ••• = distance in cm

4. Maximum extended length (L max)
••• = distance in cm

THOMSON®
Linear Motion. Optimized.™

Ordering Keys

Linear Rod Units

WZ60, WZ80

1	2	3	4	5	6
WZ06S	20	-00350	-00780	C	N

1. Type of unit
WZ06S = WZ60 unit
WZ08S = WZ80 unit

2. Ball screw lead
05 = 5 mm
10 = 10 mm
20 = 20 mm
50 = 50 mm

3. Maximum stroke (Smax)
- xxxxx = distance in mm

4. Total length of unit (L tot)
- yyyyy = distance in mm

5. Drive shaft configuration
A = shaft without key way
C = shaft with key way

6. Extension tube configuration
N = standard

[1] See table below for available combinations of units and screw leads.

Type of unit	Available screw leads [mm]			
	5	10	20	50
WZ06S	x		x	x
WZ08S	x	x	x	x

Note! for ordering of options type EN, ES, KRG, RT and MGK, see accessory index on page 131.

www.thomsonlinear.com

Ordering Keys

Non-driven Linear Motion Systems

WH40N, WH50N, WH80N, WH120N

1	2	3	4	5	6	7	8
WH04N00	SX	XXX	-04500	-04640	K	L	0000

1. Type of unit
WH04N00 = WH40N unit
WH05N00 = WH50N unit
WH08N00 = WH80N unit
WH12N00 = WH120N unit

2. Transmission type
SX = inline style, directly coupled,
        no RediMount flange

3. RediMount motor ID code
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy = distance in mm

6. Drive shaft / RediMount flange configuration
K = no shaft or RediMount flange

7. Carriage configuration
N = single standard carriage
L = single long carriage
Z = double standard carriages

8. Distance between double carriages
0000 = always for single carriages
 zzzz = distance in mm

WM40N, WM60N, WM80N, WM120N

1	2	3	4	5	6	7	8
WM08N00	SX	XXX	-07100	-07210	K	N	0000

1. Type of unit
WM04N00 = WM40N unit
WM06N00 = WM60N unit
WM08N00 = WM80N unit
WM12N00 = WM120N unit

2. Transmission type
SX = inline style, directly coupled,
        no RediMount flange

3. RediMount motor ID code
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy = distance in mm

6. Drive shaft / RediMount flange configuration
K = no shaft or RediMount flange

7. Carriage configuration[1]
N = single standard carriage
S = single short carriage
L = single long carriage
Z = double standard carriages
Y = double short carriages

8. Distance between double carriages
0000 = always for single carriages
 zzzz = distance in mm

Type of unit	Available carriage types				
	N	S	L	Z	Y
WM04N	x		x	x	
WM06N	x	x	x	x	x
WM08N	x	x	x	x	x
WM12N	x		x	x	

THOMSON
Linear Motion. **Optimized.**

Ordering Keys

Non-driven Linear Motion Systems

M75N, M100N

1	2	3	4	5	6	7	8	9
MG10N00	SX	XXX	-04500	-04800	K	N	0000	S1

1. Type of unit
MG07N00 = M75N unit with slide guides
MG10N00 = M100N unit with slide guides
MF07N00 = M75N unit with ball guides
MF10N00 = M100N unit with ball guides

2. Transmission type
SX = inline style, directly coupled,
    no RediMount flange

3. RediMount motor ID code
XXX = for units without RediMount flange

4. Maximum stroke (Smax)
- xxxxx = distance in mm

5. Total length of unit (L tot)
- yyyyy = distance in mm

6. Drive shaft / RediMount flange configuration
K = no shaft or RediMount flange

7. Carriage configuration
N = single standard carriage
Z = double standard carriages

8. Distance between double carriages
0000 = always for single carriages
zzzz = distance in mm

6. Protection option[1]
S1 = wash down protection

[1] Leave blank if no protection option required.