Linear Motion Systems

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	Α	Ζ	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 lead¹

- 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 suitableRediMount 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 configuration²

- 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 encoder³

8. Carriage configuration⁴

- 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 option⁵

S1 = wash down protection (not available for WM04 units)

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

Tuno of unit	Avai	lable s	crew	leads	[mm]
Type of unit	5	10	20	40	50
WM04S	х				
WM04D	х				
WM06S	х		х		х
WM06D	х		х		х
WM06X	х				
WM08S	х	х	х		х
WM08D	х	х	х		х
WM12D	x	х	х	х	

²See below for the definition of shafts.

Single and double shafts with RediMount



Single and double shafts without RediMount

Ц	Ш
Ш	IL.
	Ш
	Т

³Drive shaft configuration I not available for WM 40.

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

Tuno of unit	Av	ailab	le ca	rriag	e typ	es
Type of unit	Ν	S	L	Ζ	Y	М
WM04S	х			х		
WM04D			х			x
WM06S		х			х	
WM06D	х		х	х		
WM06X	х	х	х			
WM08S		х			х	
WM08D	х		х	х		
WM12D	х		х	х		

⁵Leave 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.

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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	N	N 0000					
1. Type of uni WV06D = WV	'60 unit			mum stroke (S = distance in r	¹ See table bel of units and b				ombina	ations		
WV08D = WV WV12D = WV			6. Total	length of unit (L tot)		Type of unit	Avai	lable s	crew	leads	[mm]
			- ууууу	= distance in r	nm		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5	10	20	40	50
2. Ball screw 05 = 5 mm	lead		7 Drive	shaft / RediMo	unt configurat	tion?	WV06D	х		х		х
10 = 10 mm				le shaft withou	-	1011-	WV08D	х	х	х		х
20 = 20 mm			-	le shaft with ke		Mount	WV12D	х	х	х	х	
RediMo SX = inline st	on type /le, directly col unt flange yle, directly co Mount flange		sec I = dout Redi 8. Carri a N = sinç	ble shafts, first ond for encode le shafts, first Mount and sec age configurati gle standard ca nce between d	er with key way o cond for encod i on ırriage	r er ³	 ² See below for the definition of shafts. Single and double shafts with RediMount Image: Single and double shafts without RediMount 					
vvw = alphar RediM 999 = RediM unknov	ount flange whe ount code usee	code for suitable en motor is knov d when motor is	e wn 10. Prot	Ilways for singl ection option ³ Ish down prote	-		³ Leave positio protection is r			additi	onal	

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

Linear Motion Systems

Ordering Keys

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

MLSM60D, MLSM80D

1	2	3	4	5	6	7		8		ç)		
MLSM06D	20	LX	PP1	-03800	-04645	С		L		0000			
1. Type of unit MLSM06D = ML			5. Maximum s t - xxxxx = dista		¹ See table below for available combinations of units and ball screw leads.								
MLSM08D = ML	SIVI80 unit		6. Total length	of unit (L tot)		-	Avai	lable s	crew	leads	[mm]		
2. Ball screw lea	ad		- yyyyy = dista			Type of unit	5	10	20	40	50		
05 = 5 mm 10 = 10 mm			7 Drive shaft /	RediMount con	figuration ²	MLSM06D	х		х		x		
20 = 20 mm				ft without key wa	0	MLSM08D	х	х	х	х			
40 = 40 mm			C = single shaf	t with key way o									
50 = 50 mm			G = double sha	afts, first without	² See below for	r the d	efinitio	n of s	hafts.				
			second for	encoder		Single and doubl	e shafts	with Re	diMoun	t			
3. Transmission	type		I = double shat	fts, first with key	way or	コロ							
LX = inline style,	directly couple	d,	RediMount	and second for									
RediMount	flange												
SX = inline style,		ed,	8. Carriage co	-		변발							
no RediMo	unt flange		N = single star	-		u							
			L = single long	-		Single and doubl	e shafts	without	RediMo	ount			
4. RediMount mo			Z = double star	ndard carriages									
vvw = alphanum						西西							
	t flange when m			tween double ca	-								
999 = RediMoun	t code used wh	ges											

zzzz = distance in mm

unknown

XXX = for units without RediMount flange

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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	Х	N	0000	S 1

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 class¹

- 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 option²

S1 = wash down protection

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

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

²Leave position blank if no additional protection is required.

Linear Motion Systems

Ordering Keys

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

1	2	3	4	5	6	7	8	9	10	11		
2HB10	HO	N1285	-038	Ν	001	001 A 0 A 0						
 Type of unitary 2HB10 = 2HB 2HB20 = 2HB 2HB20 = 2HB Ball screw G0 = 16 mm, 4 H0 = 16 mm, 4 H0 = 25 mm, 10 Source 25	it 110 unit 120 unit 120 unit 125 mm, prelo 10 mm, prelo 10 mm, prelo 10 mm, prelo 25 mm, prelo 26 mm, prelo 27 mm, prelo 28 mm, prelo 29 mm, prelo 29 mm, prelo 20 mm, prelo	lead and nut ty aded (2HB10 c baded (2HB10 c baded (2HB20 o baded (2HB20 o baded (2HB20 baded (2HB20 m m in mm between b 2HB10 in mm between b 2HB20 n mm between	/pe only) only) i only) only) en motor end en motor end	plate to first s plate to first s	7. f A = D = 8. f 0 = 1 = 9. f A = B = C = 10. 0 = 1 = et of 11. et of 2 = 3 = 4 = 5 =	A Ball guide rail standard Duralloy Ball guide carr standard Duralloy Profile cover op none bellows (bello shrouds Hardware opt alloy plated stainless stee Home and end no sensors home sensor, end of stroke s home and end home and end	coating option iage coating o ption ows will reduction ion I I of stroke ser NPN type sensors, NPN of stroke sen PNP type sensors, PNP	n option e stroke leng nsor option type usors, NPN type type	th app. 28%)	0		

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Ordering Keys

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

2RB12, 2R	B16)									
1	2	3	4	5	ť	6	7	8	9	10	11
2RB12 J	JO	N1000	-100	Ν	00)2	В	0	Α	0	0
 Type of unit 2RB12 = 2RB12 unit 2RB16 = 2RB16 unit 10 = 16 mm, 5 mm, H0 = 16 mm, 5 mm, H0 = 16 mm, 10 mm 10 = 20 mm, 5 mm, J0 = 20 mm, 25 mm 3. Ordering length N xxxx = distance 4. Y-distance O75 = standard dis mounting he 100 = standard dis mounting he 100 = standard dis mounting he Yyy = custom dist mounting he S. Brake option N = no brake B = brake 6. RediMount moto 001 = NEMA 23 002 = NEMA 34 zzz = consult www available state 	it neter, I , preloa n, prelo n, prelo n, prelo (L) e in mm stance oles on stance in oles on cance in noles	aded (2RB12 o paded (2RB12 o ded (2RB16 or aded (2RB16 aded (2RB16 vaded (2RB16 2RB12 in mm between 2RB12 in mm between ode	nly) only) only) only) en motor end en motor end pl motor end pl	plate to first s	et of	$A = s \\ B = s \\ C = c \\ E = a \\ S. Be \\ 0 = s \\ 1 = c \\ S. Be \\ 0 = s \\ 1 = c \\ S. Be \\ 0 = s \\ 1 = c \\ S. Be \\ 0 = s \\ 1 = c \\ 10. H \\ 0 = a \\ 1 = s \\ 11. H \\ 0 = n \\ 1 = h \\ 2 = e \\ 3 = h \\ 4 = h \\ 5 = e \\ 10. H \\ 1 = h \\ 2 = e \\ 1 = c \\ 1 = h \\ 2 = e \\ 1 = c \\ 1 = h \\ 2 = e \\ 1 = h \\ 1 = $	standard, 60 C stainless stee chrome plated irmoloy earing option tandard corrosion resis ofile cover op none bellows (bello lardware opti illoy plated tainless steel lome and end to sensors nome sensor, l and of stroke s nome and end nome sensor, l	I (440C) I stance otion ws will reduc ion of stroke sen NPN type sensors, NPN of stroke sen	e stroke lengt sor option type sors, NPN typ type)e	

Linear Motion Systems

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	Ν	505	Α	A 0 A 0								
1. Type of u MS25 = MS MS33 = MS	25 unit 33 unit				N = 6. Re	 5. Brake option N = no brake (standard) 6. RediMount motor ID code 									
LA = MS25,	0,25 inch, 0,0	lead and nut t)25 in, preloadd)50 in, preloadd	ed		001	= NEMA 17 = NEMA 23 = consult www	w.LinearMotic	oneering.com	ı for complete	list of					
LC = MS25, LD = MS25,	0,25 inch, 0,0 0,25 inch, 0,2	062 in, preloade 200 in, preloade	ed ed			available st	andard RediN	lount motor f							
LF = MS25,	0,25 inch, 0,5	50 in, preloade 00 in, preloade 000 in, preloade	d		A =	near guides s 60 case (1566) stainless stee									
LI = MS25, 0),25 inch, 2,0	5 mm, preloade mm, preloade 1 mm, preloade	d			chrome plated earing type op									
LA = MS33,	0,375 inch, 0,	,0625 in, preloa	aded		0 = :	0 = standard 1 = corrosion resistant									
LC = MS33,	0,375 inch, 0,	,100 in, preload ,125 in, preload ,200 in, preload	led			9. Profile cover option A = none									
LF = MS33,	0,375 inch, 0,	250 in, preloac 375 in, preload ,500 in, preload	ed			bellows (bello		e stroke leng	th app. 28%)						
LH = MS33, LI = MS33, (0,375 inch, 1,),375 inch, 1,2	,000 in, preload 200 in, preload	led ed		0 = 3	 10. Hardware option 0 = alloy plated 1 = stainless steel 									
LJ = MS33, 3. Ordering		0 mm, preload	ed	11. Home and end of stroke limit switch option 0 = no home or end of stroke limit switches											
N xxxx = di	stance in mn	n			7 =	nome position end of stroke l	limit switch								
		e in mm betwee n MS25	en motor end	plate to first s	et of										
- 055 = stand	-	e in mm betwee	en motor end	plate to first s	et of										

- mounting holes on MS33 - yyy= custom distance in mm between motor end plate to first set of
- mounting holes

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Ordering Keys

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

2DB08,	2DB08, 2DB12, 2DB16											
1	2	3	4	5	6	7	8	9	10	11		
2DB12	FO	N0250	-300	Ν	002	002 A 0 A 0						
	808 unit 812 unit 816 unit e, diameter,	lead and nut 1 .0.100 in, prelo		(only)	((2	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						
		0.250 in, preid				7. Ball guide sha A = standard, 60						
		0.500 in, prelo		•	1	B = stainless ste	el (440C)					
		0.750 in, prelo		•		C = chrome plate	ed					
E0 = leadscr	ew, 0.375 in,	1.000 in, prelo	aded (2DB08	only)	1	E = Armoloy						
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)						8. Bearing option 0 = standard 1 = corrosion resistance						
G0 = ballscre	ew, 0.750 in,	0.200 in, non-p	oreloaded (2D	B16 only)	9	9. Profile cover o	option					
		0.200 in, prelo		•		A = none						
		0.500 in, preloa			1	B = bellows (bellows will reduce stroke length app. 28%)						
		1.0 in, preload mm, preloade				10. Hardware option						
	300, 20 mm, 3	inni, preioaue		y)		0 = alloy plated						
3. Ordering l	ength (L)					1 = stainless steel						
N xxxx = dis	tance in inc	h (e.g. 0250 = 2	25 inch)									
						11. Home and en	id of stroke se	ensor option				
4. Y-distance		e in inch betwo	een motor en	d plate to firs		0 = no sensors 7 = home						
		or 2DB08 (e.g.				B = ends of trave	el					
		e in inch betwe		•	st set of	9 = both						
	-	or 2DB12 and 2	-									
	om distance iting holes	in inch betwe	en motor ent	i plate to first	Secor							
	5											
5. Brake opti												
N = no brake)											
B = brake												

Linear Motion Systems

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	Х	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 class¹

- 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

 $N=\mbox{single}$ 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 option²

S1 = wash down protection

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

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

²Leave position blank if no additional protection is required.

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Ordering Keys

Linear Motion Systems with Belt Drive and Ball Guides

WH40

VVH4U							
1	2	3	4	5	6	7	8
WH04Z	LX	FB7	-01400	-01755	Н	L	0400
1. Type of unit WH04Z = WH40 u 2. Transmission t LX = inline style, SX = inline style, 3. RediMount mo vvw = alphanum motor is k 999 = RediMount XXX = for units w 4. Maximum stro - xxxxx = distant 5. Total length of - yyyyy = distance 6. Drive shaft / Re A = shaft on left s B = shaft on left s Shaft on right F = shaft on left s shaft on right H = shaft on left s shaft on right H = shaft on left s shaft on right H = shaft on left s shaft on right J = shaft on left s shaft on right L = shaft on left s shaft on right J = shaft on left s shaft on right L = shaft on left s shaft on right	unit type directly coupled, F directly coupled, r otor ID code eric motor code for nown t code used when vithout RediMount t code used when vithout RediMount ke (Smax) ce in mm cunit (L tot) te in mm cunit (L tot) te in mm cunit (L tot) te in mm cunit (L tot) te in mm cuit without key way side without key way side with key way of t side with key way of t side without key way side without key way side without key way side without key way side without key way t side without key way t side for encoder, t side without key way of side without key way of side for encoder, t side without key way of side for encoder, t side without key way of side for encoder, t side without key way of side for encoder	RediMount flange no RediMount flang suitable RediMount motor is unknown flange onfiguration ¹ ay way or RediMount y or RediMount or RediMount or RediMount, way ay, way ay, way or RediMount, y or RediMount,	ge	7. Carriage confi N = single stands L = single long ca Z = double stand 8. Distance betw 0000 = always fo zzzz = distance i ¹ See below for the Left, right or both side	iguration ard carriage arriage lard carriages veen double carria r single carriages in mm he definition of sha es with shafts with Redi	ifts. Mount	
ote! for ordering of options type E	N, ES, KRG, RT, ADG and MGK, see	accessory index on page 131.				www.th	omsonlinear.co

Linear Motion Systems

Ordering Keys

Linear Motion Systems with Belt Drive and Ball Guides

WM60Z, WM80Z

WM06Z LX AG5 -01400 -01755 H L 1. Type of unit WM06Z orit WM06Z unit -01755 H L WM06Z VM06Z unit -01755 H L -01755 H L WM06Z VM06Z unit -01755 H L -01755 H L WM06Z VM06Z unit -01755 H L -01755 H L WM06Z VM06Z unit -01755 H L -01755 H L WM06Z VM06Z unit -01755 H L -01755 H L WM06Z VM06Z unit -01755 H L -01755 H L WM06Z VM06Z unit -01755 H L -01615 -0175 H L S faiting for first site with could compled, readition of the first site without feedimount flange -01755 H L -0105 H L	8						
WM06Z = WM60Z unit N = single standard carriage WM08Z = WM80Z unit S = single short carriage 2. Transmission type L = single long carriage LX = inline style, directly coupled, RediMount flange Y = double short carriages S. RediMount motor ID code Y = double short carriages vww = alphanumeric motor code for suitable RediMount flange when motor is known Y = double short carriages 999 = RediMount code used when motor is unknown Y.See below for the definition of shafts. XXX = for units without RediMount flange Left, right or boh sides with shafts with RediMount 4. Maximum stroke (Smax) - xxxxx = distance in mm 5. Total length of unit (L tot) - yyyyye distance in mm 6. Drive shaft / RediMount flange configuration' Left or right with RediMount and other side a shaft without RediMount 9. ashaft on right side without key way RediMount 2. shaft on left side without key way or RediMount I = fight fight without RediMount F = shaft on left side without key way, shaft on right side without key way or RediMount, shaft on right side without key way or RediMount, shaft on right side without key way or RediMount, shaft on right side withkey way or RediMount, shaft on right side withkey way	0400						
 3. RediMount motor ID code VW = 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 configuration¹ A = shaft on left side without key way B = shaft on left side without key way or RediMount E = shaft on left side with key way or RediMount E = shaft on left side without key way, shaft on right side without key way or RediMount, shaft on right side without key way or RediMount, shaft on right side without key way or RediMount, shaft on right side without key way or RediMount, shaft on right side without key way or RediMount, shaft on right side without key way or RediMount, shaft on right side without key way or RediMount, shaft on right side without key way or RediMount, shaft on right side with key way or RediMount, shaft on right side with key way or RediMount, shaft on right side with key way or RediMount, shaft on right side without key way or RediMount, shaft on right side without key way or RediMount, shaft on right side with key way or RediMount, shaft on right side for encoder, shaft on left side with key way or RediMount, shaft on right side with key way or RediMount, shaft on right side with key way or RediMount, shaft on right side with key way or RediMount, shaft on right side for encoder, shaft on right side with key way or RediMount, shaft on right side with key way or RediMount, shaft on right side with key way or RediMount, shaft on right side with key way or RediMount, shaft on right side with key way or RediMount, shaft on right side with key way or RediMount, s	N = single standard carriage S = single short carriage L = single long carriage Z = double standard carriages						
 xxxxx = distance in mm 5. Total length of unit (L tot) yyyyy= distance in mm 6. Drive shaft / RediMount flange configuration¹ 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 with key way or RediMount F = shaft on left side without key way G = shaft on left side without key way G = shaft on left side without key way G = shaft on left side for encoder H = shaft on left side for encoder, shaft on right side without key way or RediMount, shaft on right side without key way I = shaft on left side for encoder, shaft on right side for encoder, shaft on right side for encoder, J = shaft on left side with key way or RediMount X = shaft on left side for encoder, shaft on right side with key way or RediMount 	0000 = always for single carriages zzzz = distance in mm ¹ See below for the definition of shafts.						
 5. Total length of unit (L tot) yyyyy = distance in mm 6. Drive shaft / RediMount flange configuration¹ A = shaft on left side without key way B = shaft on left side without key way C = shaft on left side with key way or RediMount D = shaft on left side with key way or RediMount, shaft on right side without key way, shaft on right side for encoder H = shaft on left side with key way or RediMount, shaft on right side without key way I = shaft on left side with key way or RediMount, shaft on right side for encoder, shaft on right side with key way or RediMount 							
C = shaft on left side with key way or RediMountImage: C = shaft on right side with key way or RediMountD = shaft on left side with key way or RediMountImage: C = shaft on left side with key way or RediMountF = shaft on left side with key way or RediMount, shaft on right side without key way, shaft on right side for encoder2 See table below for available combinations of units and carriage types.G = shaft on left side without key way, shaft on right side for encoderAvailable carriage types.H = shaft on left side or encoder, shaft on right side with key way or RediMount, shaft on right side for encoderNSLZYWM06ZxxxxWM08ZxxxxWM08Zxxxx	Left or right with RediMount and other side a shaft without RediMount						
shaft on right 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 2 See table below for available combinations of units and carriage types.Type of unitAvailable carriage types.Type of unitNSLZYNSLZYWM06ZxxxxJ = shaft on left side for encoder, shaft on right side with key way or RediMount, shaft on right side for encoder, shaft on right side with key way or RediMountWM08Zxxxx							
shaft on right side for encoder, Type of unit Available carriage type H = shaft on left side for encoder, N S L Z Y I = shaft on left side with key way or RediMount, Shaft on right side for encoder X X X X J = shaft on left side with key way or RediMount Shaft on right side for encoder, Shaft on right side with key way or RediMount X X X X							
I = shaft on left side with key way or RediMount, WM06Z x x J = shaft on left side for encoder, WM08Z x x							
shaft on right side for encoder WM08Z x x x J = shaft on left side for encoder, shaft on right side with key way or RediMount WM08Z x x x							
J = shaft on left side for encoder, 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 W = hollow shaft on both sides with clamping unit 							

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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 configuration¹

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).

¹See 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



Linear Motion Systems

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	С	L	0000			
1. Type of unit MLSM08Z = MLS	SM80 unit			7. Carriage configuration N = single standard carriage L = single long carriage						
	directly coupled, F	-		Z = double stand	ard carriages					
3. RediMount mo		no RediMount flan	ge		veen double carria r single carriages in mm	iges				
		r suitable RediMou	nt flange when							
motor is ki				¹ See below for t	he definition of sha	afts.				
	t code used when /ithout RediMount	motor is unknown		Left, right or both sid	es with shafts with Red	iMount				
	ninout neunviount	nange		╙┨┟╢						
4. Maximum stro				斑斑						
- xxxxx = distan	ce in mm			Left or right with Red	Mount and other side a	shaft without RediMoun	t			
5. Total length of	unit (L tot)									
- yyyyy = distan	ce in mm									
6. Drive shaft / R	ediMount flange c	onfiguration ¹		Left or right without l	RediMount					
	side without key w									
-	t side without key side with key way									
	t side with key way									
-	side without key w									
shaft on right	t side with key wa	y or RediMount								
	ide with key way									
-	t side without key									
	side without key w t side for encoder	'ay,								
H = shaft on left s										
	t side without key	way								
-	, ide with key way c									
shaft on right	side for encoder									
J = shaft on left s	side for encoder,									
-	t side with key wa									
	and right side with									
	side with key way									
-	it side with key wa	•								
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

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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	S 1

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 configuration¹

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 option²

S1 = wash down protection (not possible for MG05B)

S2 = enhanced wash down protection (not possible for MG05B)

¹See 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



²Leave position blank if no additional protection is required.

Linear Motion Systems

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
 Type of unit WH05Z = WH50 WH08Z = WH80 WH12Z = WH12 Transmission LX = inline style RediMount SX = inline style no RediMount Www = alphanur RediMount 999 = RediMount unknown XXX = for units w Maximum str - xxxxx = distant Total length of - yyyyy = distant) unit 20 unit 20 unit 4 type 5, directly couple 5, directly couple 6, directly couple 5, directly couple	ed, e for suitable notor is known hen motor is	A = shaft on let B = shaft on rig C = shaft on rig E = shaft on left shaft on rig F = shaft on left shaft on rig G = shaft on left shaft on rig H = shaft on left shaft on rig I = shaft on left shaft on rig J = shaft on left shaft on rig J = shaft on left shaft on rig K = hollow shaft clamping u L = shaft on left shaft on rig K = hollow shaft on rig N = shaft on left shaft on rig V = hollow sha DT/DTR pla	ht side with key w ft side without key ht side with key wa side with key wa ght side without ft side without ft side for encod ght side for encod ft side for encod ht side for encod ht side for encod ft side for encod ht side with key wa ft on both sides nit t and right side t side with key wa ght side with key	ey way key way ay or RediMount vay or RediMount ey way, vay or RediMount, key way ey way, oder der, key way ay or RediMount, der ler, vay or RediMount without key way ay or RediMount, y way way, vay or RediMount for Micron tion	L = single long Z = double sta 8. Distance be 0000 = always zzzz = distance 9. Protection of S1 = wash dow S2 = enhanced ¹ See below fo Left, right or both Left or right with other side a shaft Left or right with	ndard carriage carriage ndard carriages tween double ca of for single carria ce in mm option ² vn protection d wash down pro r the definition of n sides with shafts wi RediMount and t without RediMount	ges tection f shafts. th RediMount
						protection is		aona

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

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Ordering Keys

Linear Motion Systems with Belt Drive and Wheel Guides

MLSH60Z

IVILOTIOUZ	_						
1	2	3	4	5	6	7	8
MLSH06Z	SX	XXX	-04500	-05580	D	D	0600
SX = inline style, SX = inline style, 3. RediMount mo vvw = alphanum motor is ka 999 = RediMount XXX = for units w 4. Maximum stro - xxxxx = distant 5. Total length of - yyyyy = distant 6. Drive shaft / R A = shaft on left s B = shaft on left s Shaft on right F = shaft on left s shaft on right G = shaft on left s shaft on right H = shaft on left s shaft on right H = shaft on left s shaft on right H = shaft on left s shaft on right L = shaft on left s shaft on right N = shaft on left s	Aype directly coupled, R directly coupled, r tor ID code eric motor code for nown t code used when vithout RediMount ke (Smax) ce in mm unit (L tot) ce in mm ediMount flange ca side without key way is side without key way is side without key way is side with key way is side with key way is side with key way is side without key way is side for encoder side for encoder, t side without key way o side for encoder	on RediMount flang suitable RediMount motor is unknown flange onfiguration ¹ ay way or RediMount or RediMount or RediMount, way ay, way r RediMount, way r RediMount, vor RediMount, y or RediMount, y or RediMount, y or RediMount, y		0000 = always fo zzzz = distance i ¹ See below for th Left, right or both sid	ard carriage arriage ard carriages /een double carria r single carriages in mm he definition of sha des with shafts with Rec	afts. liMount	
08						www.th	omsonlinear.cor

Linear Motion Systems

Ordering Keys

Linear Lifting Units

WHZ50, WHZ80

1	2	3	4	5	6	7	8	9	
WHZ05Z	LX	KB5	-01000	-01410	Α	Ν	0000		
RediMour	Z80 unit n type e, directly couple		A = shaft on left B = shaft on rigl C = shaft on left D = shaft on rigl E = shaft on left shaft on righ	RediMount flang side without key nt side without ke side with key wa nt side with key w side without key nt side with key was	way y way y or RediMount vay or RediMount way, ay 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 			
no Redi M 3. RediMount n vvw = alphanu RediMou	ount flange notor ID code meric motor code unt flange when r	e for suitable notor is known	shaft on righ G = shaft on left shaft on righ H = shaft on left shaft on righ	nt side without key side without key nt side for encode side for encoder, nt side without key	y way way, wr y way	 9. Protection option² S1 = wash down protection ¹ See below for the definition of shafts. 			
unknowr XXX = for units 4. Maximum st	without RediMo roke (Smax)		shaft on righ J = shaft on left shaft on righ L = shaft on left	side with key way t side for encoder side for encoder, nt side with key w and right side wit	r ay or RediMount hout key way	Left or right with BediMount and other side			
- xxxxx = dista 5. Total length - yyyyy = dista	of unit (L tot) Ince in mm		 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 			Left, right or both sides with shafts without RediMount			
Note! for ordering of options ty ee accessory index on page 13	ype EN, ES, KRG, RT, ADG and N 31.	AGK, s	unit			² Blank if no ad	LIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	on is required	
Z2, Z3									

1	2	3	4
MGZ3K	25259	-250	450
 Type of unit MGZ2K = Z2 unit MGZ3K = Z3 unit Ball screw diameter, lead and to 25109 = 25 mm, 10 mm, T9 25259 = 25 mm, 25 mm, T9 32207 = 32 mm, 20 mm, T7 	lerance class	 3. Minimum retracted length (L min- ••• = distance in cm 4. Maximum extended length (L ma ••• = distance in cm 	

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209

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Ordering Keys

Linear Rod Units

WZ60, WZ80										
1	2	3	4	5	6					
WZ06S	20	-00350	-00780	C N			Ν			
1. Type of unit WZ06S = WZ60 unit		3. Maximum stroke (Sr - xxxxx = distance in r		¹ See table below for available combinations of units and screw leads.						
WZ08S = WZ80 unit		4. Total length of unit (Type of unit	Available screw leads [mm]						
2. Ball screw lead		- yyyyy = distance in r	Type of unit	5	10	20	50			
05 = 5 mm 10 = 10 mm		5. Drive shaft configura	ation	WZ06S	x		x	x		
20 = 20 mm		A = shaft without key v	WZ08S	х	х	х	x			
50 = 50 mm		C = shaft with key way								
Notel for ordering of options type EN, ES, KRG,	RT and MGK, see accessory index on name 13	6. Extension tube confi N = standard	guration							

Linear Motion Systems

Ordering Keys

Non-driven Linear Motion Systems

WH40N, WH50N, WH80N, WH120N

1	2	3	4	5	6	7	8				
WH04N00	SX	XXX	-04500	-04640	К	K L (
1. Type of unit WH04N00 = WH40N unit WH05N00 = WH50N unit			4. Maximum stroke (S - xxxxx = distance in i	mm	N = sin L = sing	7. Carriage configuration N = single standard carriage L = single long carriage					
WH08N00 = WH80N unit WH12N00 = WH120N unit			5. Total length of unit (- yyyyy = distance in (Z = double standard carriages					
2. Transmission type			6. Drive shaft / RediMo	unt flange configura		8. Distance between double carriages 0000 = always for single carriages					
SX = inline style, directly coupled, no RediMount flange			K = no shaft or RediMount flange			zzzz = distance in mm					
3. RediMount mo XXX = for units w	tor ID code rithout RediMount	flange									

WM40N, WM60N, WM80N, WM120N

1	2	3	4	5		6	7			8				
WM08N00	SX	XXX				К		Ν		0000				
1. Type of unit WM04N00 = WM WM06N00 = WM WM08N00 = WM	160N unit	- x	Maximum stroke (S xxxx = distance in i Total length of unit (mm		8. Distance between double carriages 0000 = always for single carriages zzzz = distance in mm								
WM12N00 = WM120N unit			yyyy = distance in i		Type of un		Available carriage types							
2. Transmission t SX = inline style, no RediMou	directly coupled,	K	Drive shaft / RediMo = no shaft or RediMo	ation	WM04N WM06N	N X X	S x	L x x	Z x x	Y x				
3. RediMount motor ID code XXX = for units without RediMount flange			Carriage configurat = single standard ca = single short carria		WM08N WM12N	x	x	x x	x x	x				
		Z÷	= single long carriag = double standard ca = double short carria			X		A	~					

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Ordering Keys

Non-driven Linear Motion Systems

M75N, M100N

1	2	3	4	5	6	7	8	9
MG10N00	SX	XXX	-04500	-04800	К	N	0000	S1
MG10N00 = M1 MF07N00 = M7 MF10N00 = M1 2. Transmission SX = inline style no RediMo 3. RediMount n	e, directly couple ount flange	ide guides guides Il guides ed,		of unit (L tot)	•	 8. Distance beto 0000 = always zzzz = distance 6. Protection o S1 = wash down 	ndard carriage ndard carriages tween double ca for single carria ce in mm ption ¹	ges