PRESS ADD.SPEC Printed in Red

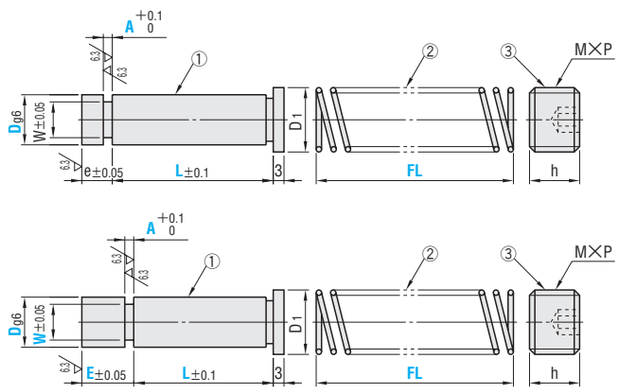
GUIDE LIFTER SETS

¥ The quantity discount rate is applicable to alteration cost. P.37

RoHS

Type	Catalog No.	Components ① Pin	② Spring	③ Screw
Standard	GLS	○	○	○
Dimension L・A specified	GLSH			
Standard	GLP	○		
Dimension L・A specified	GLH			

Type	Catalog No.	Components ① Pin	② Spring	③ Screw
Dimension L・A・E・W specified	GLSK	○	○	○
	GLK	○		



M SK4
H 53～58HRC(Tempering of head part:Max. 45 HRC)

■Standard type

①GLP Dg6		e	W	D1	③MSW M×P	h	Catalog No. Type	D	L	A	②Spring Type	FL	U/Price Q'ty:1～19 GLS	GLP
4	−0.004	5	2.0	6	8×1.25	8		4	10 15 20 22 25 28 30 33 35 36 40 45 50	0.5 0.8 1.0	WR	20 25	390	370
6	−0.012		3.6	8	10×1.5		GLS	6	10 15 20 22 25 28 30 33 35 36 40 45 50	0.5 0.8 1.0 1.6	WF	30 35	440	420
8	−0.005	7	5.0	10	12×1.5	10	①②③	8	15 20 22 25 28 30 33 35 36 40 45 50 55	1.0 1.6 2.0	WL	40 45	510	480
10	−0.014		6.0	13	16×1.5			10	20 22 25 28 30 33 35 36 40 45 50 55	1.6 2.0 2.5	WT	50 55	600	560
13	−0.006		7.0	16	20×1.5		GLP	13	20 22 25 28 30 33 35 36 40 45 50 55	2.0 2.5 3.6	WM	60 65	710	670
16	−0.017	12	8.0	19	22×1.5	12	①	16	30 33 35 36 40 45 50 55 60 70	2.0 2.5 4.0	WH	70 80	850	780
20	−0.007 −0.020		10.0	23	27×1.5			20	33 35 36 40 45 50 55 60 70	3.6 5.0	WL・WT WM・WH	90 100	1,030	960

The spring② is unavailable in certain types and sizes, so check using the "Combinations of Guide Lifter Pin and Spring" table on the page at right.

■Dimension L/A specified type

①GLH Dg6		e	W	D1	③MSW M×P	h	Catalog No. Type	D	0.1mm increments L	A	②Spring Type	FL	U/Price Q'ty:1～19 GLSH	GLH
4	−0.004	5	2.0	6	8×1.25	8		4	10.0～55.0	0.5～2.0	WR	20 25	680	670
6	−0.012		3.6	8	10×1.5		GLSH	6	10.0～75.0	0.5～3.0	WF	30 35	720	700
8	−0.005	7	5.0	10	12×1.5	10	①②③	8	10.0～75.0	0.7～4.5	WL	40 45	810	760
10	−0.014		6.0	13	16×1.5			10	10.0～90.0	0.7～4.5	WT	50 55	880	850
13	−0.006		7.0	16	20×1.5		GLH	13	10.0～90.0	1.0～6.0	WM	60 65	1,110	1,060
16	−0.017	12	8.0	19	22×1.5	12	①	16	10.0～90.0	1.0～6.0	WH	70 80	1,280	1,230
20	−0.007		10.0	23	27×1.5			20	15.0～90.0	1.0～6.0	WL WT WM WH	90 100	1,540	1,470
25	−0.020		13.0	28	33×1.5			25	15.0～90.0	1.0～6.0			1,810	1,730

The spring② is unavailable in certain types and sizes, so check using the "Combinations of Guide Lifter Pin and Spring" table on the page at right.

■Dimension L/A/E/W specified type

①GLK Dg6		D1	③MSW M×P	h	Catalog No. Type	D	0.1mm increments L	A	E	W	②Spring Type	FL	U/Price Q'ty:1～19 GLSK	GLK
4	−0.004	6	8×1.25	8		4	15.0～45.0	0.5～2.0	5.0～10.0	1.5～ 2.2	WR	20 25	830	810
6	−0.012	8	10×1.5		GLSK	6	15.0～72.0	0.5～3.0	5.0～10.0	2.5～ 4.6	WF	30 35	860	850
8	−0.005	10	12×1.5	10	①②③	8	15.0～72.0	0.7～4.5	5.0～10.0	3.5～ 6.0	WL	40 45	950	900
10	−0.014	13	16×1.5			10	15.0～82.0	0.7～4.5	5.0～15.0	5.0～ 8.0	WT	50 55	1,030	990
13	−0.006	16	20×1.5		GLK	13	20.0～82.0	1.0～6.0	5.0～15.0	6.0～11.0	WM	60 65	1,250	1,210
16	−0.017	19	22×1.5	12	①	16	20.0～82.0	1.0～6.0	10.0～20.0	6.0～14.0	WH	70 80	1,430	1,370
20	−0.007	23	27×1.5			20	20.0～82.0	1.0～6.0	10.0～20.0	10.0～18.0	WL WT WM WH	90 100	1,680	1,620
25	−0.020	28	33×1.5			25	20.0～82.0	1.0～6.0	10.0～20.0	13.0～22.0			1,950	1,870

E≧A+2
The spring② is unavailable in certain types and sizes, so check using the "Combinations of Guide Lifter Pin and Spring" table on the page at right.

■②Coil springs For specification details, see P.967～

D 6～D10…D$_{-0.5}^{0}$
D13～D27…D$_{-0.8}^{0}$

RoHS

M SWP-A

■Table of spring constants

①Pin Catalog No. Type	D	②Spring Type D	WR	WF	WL	WT	WM	WH
GLS	4	6	N/mm 0.3 {kgf/mm} {0.03}	N/mm 0.5 {kgf/mm} {0.05}	N/mm 1.0 {kgf/mm} {0.1}	N/mm 2.0 {kgf/mm} {0.2}	N/mm 2.9 {kgf/mm} {0.3}	N/mm 5.9 {kgf/mm} {0.6}
GLS	6	8						9.8 {1.0}
GLSH	8	10						
GLSH	10	13						
GLSK	13	16	0.5{0.05}	1.0{0.1}	2.9 {0.3}	3.9 {0.4}	4.9 {0.5}	14.7 {1.5}
GLSK	16	18						
GLSK	20	22						
GLSK	25	27						
Permissible flexure Fmax.			F=L×60%	F=L×45%	F=L×40%	F=L×40%	F=L×35%	F=L×30%

●Load calculation method Load N(kgf)=Spring constant N/mm(kgf/mm)×Deflection Fmm ●Tolerance of spring constant: ±10%

■Combination of Guide lifter pin and Spring (Combinations marked ○ can be used.)

Type・D / FL	GLS4・GLSH4・GLSK4 WR6	WF6	WL6	WT6	WM6	WH6	GLS6・GLSH6・GLSK6 WR8	WF8	WL8	WT8	WM8	WH8	GLS8・GLSH8・GLSK8 WR10	WF10	WL10	WT10	WM10	WH10	GLS10・GLSH10・GLSK10 WR13	WF13	WL13	WT13	WM13	WH13
20～40 (5mm increments)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
45	○	○	○	○	○	○*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
50	○	○	○	○	○	○*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
55	○	○	○	○*	○	○*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
60	○	○	○	○*	○*	○*	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
65	○	○	○	○*	○*	○*	○	○	○	○	○	○*	○	○	○	○	○	○	○	○	○	○	○	○
70	○	○	○	○*	○*	○*	○	○	○	○	○	○*	○	○	○	○	○	○	○	○	○	○	○	○
80	○	○	○	○*	○*		○	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○
90																			○	○	○		○	

Type・D / FL	GLS13・GLSH13・GLSK13 WR16	WF16	WL16	WT16	WM16	WH16	GLS16・GLSH16・GLSK16 WR18	WF18	WL18	WT18	WM18	WH18	GLS20・GLSH20・GLSK20 WL22	WT22	WM22	WH22	GLSH25・GLSK25 WL27	WT27	WM27	WH27
20	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○				
25	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○				
30～70 (5mm increments)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
80	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
90	○	○	○		○				○		○	○*	○		○	○*	○		○	○
100									○		○	○*			○	○*	○		○	○

＊…Permissible deflection Fmax. is smaller than values in the spring constant table above. For details, see P.967～

Order

Catalog No.	L	A	E	W	②(Type・FL)
GLS 8	30	2.0			WH40
GLP 6	25	1.6			
GLSH 6	25.0	2.4			WL35
GLH 13	60.0	3.0			
GLSK16	50.0	1.2	E15.0	W12.0	WM60
GLK20	45.5	1.5	E18.0	W14.0	

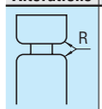
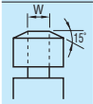
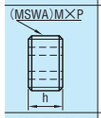
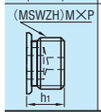
Price

■Quantity discount rate

Quantity	1～19	20～49	50～99	100～
Rate	—	5%	10%	15%

Alteration

CatalogNo. – L – A – E – W – ② – (KRC…etc.)
GLSH 8 – 30 – 2.0 – WH40 – KRC – GC
GLSK 10 – 35 – 0.8 – E10 – W7.0 – WT45 – KRC – WA

Alterations	Code	Spec.	¥/1Code
	KRC	Rounding on the part as shown. (D / R: 4・6 / 0.3; 8～13 / 0.5; 16・20 / 1.0; 25 / 1.5) Applicable to GLSH, GLH, GLSK and GLK	150
	GC	Pin head taper machining (15°) Available for GLSH/GLH/GLSK/GLK.	100
	WA	The screw plug provided has been changed to MSWA (pierced hole type). Available for GLSH/GLSK. Details P.631	D=4・6: 40; D=8～16: 50; D=20・25: 70
	WZH	The screw plug provided has been changed to MSWA (pierced hole type). Available when D6～25 for GLSH/GLSK. D6～10 MSW h=10→h1=12; D13～25 MSWZH h=12→h1=15 Details P.631	D=6・8: 150; D=10～16: 180; D=20・25: 250

Delivery

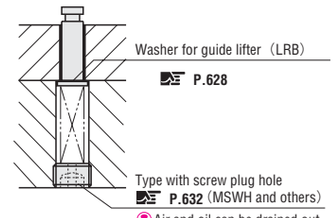
● GLS・GLP
1 Day

● GLSH・GLH・GLSK・GLK
3 Days

Express T 600/1Pc.
Express A 300/1Pc. P.36

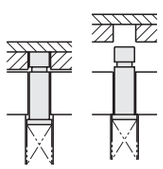
A flat charge of 810 Yen for 3 pieces or more of the same size (excluding Express T).

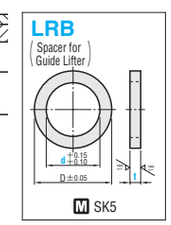
Example



■Features (GLSK/GLK)

・By adjusting dimension E, a through hole machining of the stripper plate becomes available.





D	d	Catalog No.	t
6	4	4	0.1
7	5	5	0.2
8	6	6	0.3
10	8	8	0.5
13	10	LRB 10	1.0
16	13	13	
19	16	16	
23	20	20	

Delivery and Price P.628