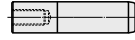


PRECISION LEADER PINS

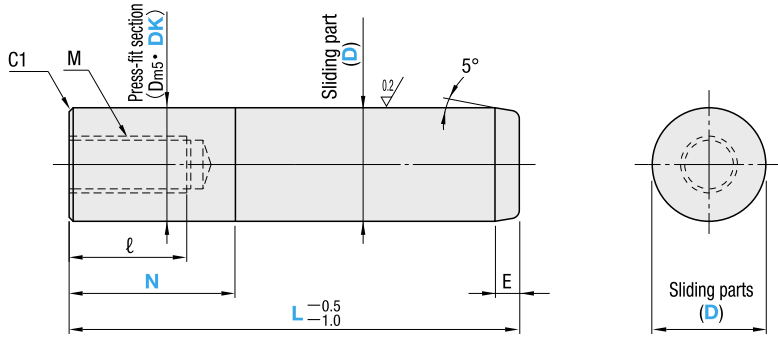
— STRAIGHT • PLAIN PRESS-FIT LENGTH DESIGNATION TYPE • PRESS-FIT DIAMETER • LENGTH DESIGNATION TYPE —

Plain	Oil groove
	
Suitable	Suitable
Straight leader pin	Leader Bushing

RoHS



GPSL (Press-fit length designation required)
GPS—XL (Press-fit diameter • length designation required)



Recommended mold temperature for the usage of a precision leader pin and bushing is 80°C or less because of a little clearance between them.

Sliding parts D	Press-fit section Dm5	GPSL	M×Pitch	ℓ	H
8	8	+0.012 -0.006	M 5×0.8	10	3
10	10	+0.012 -0.006			4
12	12	+0.015 -0.007	M 6×1.0	12	
13	13	+0.015 -0.007			
16	16		M 8×1.25	16	5
20	20	+0.017 -0.008			
25	25	+0.017 -0.008	M12×1.75	24	
28	28	+0.017 -0.008			
30	30		M16×2.0	32	8
32	32	+0.020 -0.009			
35	35	+0.020 -0.009			
40	40	+0.024 -0.011	M20×2.5	40	
50	50				
60	60				

58HRC~(Induction hardening)

GPSTL (Press-fit length designation type)

Part Number Type	D	L 5mm increments	N 1mm increments	U/Price 1~9
GPSTL	8	40~70	0~40	
	10	40~70		
	12	40~110		
		115~160		
	13	40~110	0~100	
		115~160		
		165~200		
	16	40~110		
		115~160		
		165~200		
	20	40~110		
		115~160		
		165~220		
	25	50~110		
		115~160		
		165~200		
		205~260		
	28	60~100		
		105~160		
		165~200		
		205~260		
	30	70~100		
		105~160		
		165~200		
		205~260		

Quotation

Part Number Type	D	L 5mm increments	N 1mm increments	U/Price 1~9
GPSTL	32	70~100	0~120	
		105~160		
		165~200		
		205~260		
		245~300		
	35	100~140	0~140	
		145~190		
		195~240		
		245~300		
		295~350		
	40	100~140	0~160	
		145~190		
		195~240		
		245~300		
		295~350		
	50	100~150	0~200	
		155~190		
		195~240		
		245~300		
		305~360		
	60	150~190		
		195~240		
		245~300		
		305~360		
		365~400		

Quotation

Designate N = 0 for GPSTL, when no press-fit part is required.
 Please designate process-fit length with $N \leq L - E$.



Order

Part Number — L — N — DK
 GPSTL 32 — 180 — N100
 GPS—XL32 — 180 — N100 — DK32.025

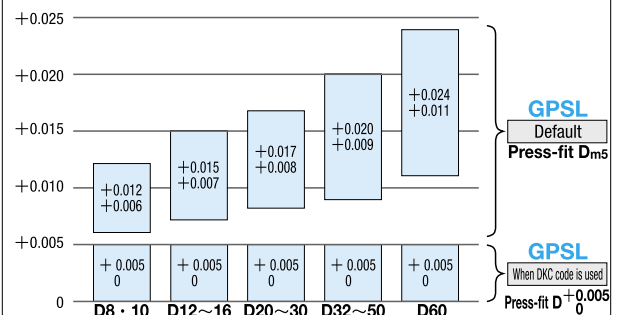


Alterations

Part Number — L(LC) — N — DK — (OC · MC · etc.)
 GPS—XL32 — LC 179 — N100 — DK32.025 — GC—E20—K10

Combination of GC with OC not available.

Chart of press-fit tolerance GPSTL



Press-fit (DK) can be designated at 0.001mm increments for

—XL