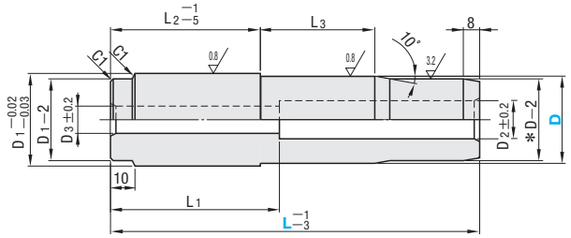
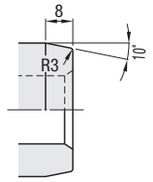
RoHS

GPPTA (Bolt type)



● Details of the tip



M S55C
H 5~65HRC (Induction hardening)
A Fixing bolt (CB) ×1

※D—2 area is not quenched.

D tolerance		D1	D2	D3	L1	L2	L3	A Supplied bolts	Part Number Type	Part Number D	L 10mm increments	U/Price 1~9
40	−0.04 −0.05	40	17	11	95	80	70	CB10—120	GPPTA	40	160~210	Quotation
50	−0.06 −0.07	50	20	14	120	100	80	CB12—150		50	190~260	
60	−0.07 −0.08	60	26	18	145	120	100	CB16—170		60	230~270 280~320	
80	−0.08 −0.10	80	32	22	200	160	120	CB20—230		80	290~340 350~400	

Order

Part Number	—	L
GPPTA 50	—	200

Days to Ship: 5 Days — Express B P.46

Delivery days depend on subsidiary. P.45

Price

■Quantity discount rate P.45

Quantity	1~9	10~19
Rate	—	5%

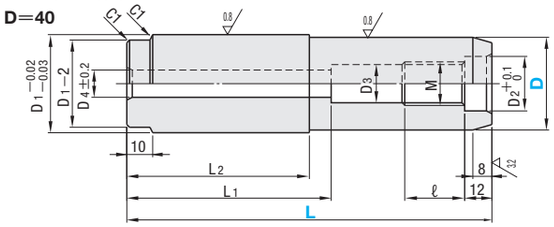
To be quoted on price & lead time above Max. Q'ty.

Non JIS material definition is listed on P.1359 - 1360

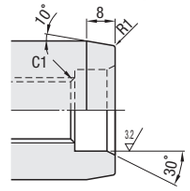
RoHS

GPPTB (Joint type)

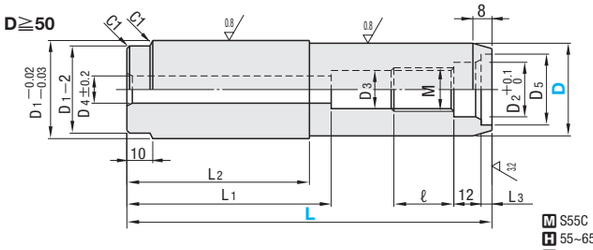
D=40



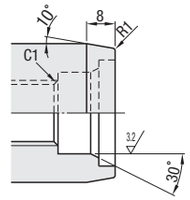
● Details of the tip



D≧50



● Details of the tip

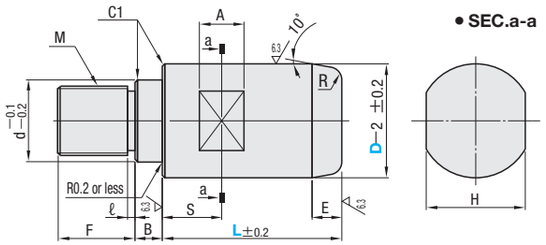


M S55C
H 55~65HRC (Induction hardening)
A Fixing bolt (CB) M1×1

D tolerance		D1	D2	D3	D4	D5	L1	L2	L3	M	ℓ	A Supplied bolts	Part Number Type	Part Number D	L	U/Price 1~9
40	−0.04 −0.05	40	22	17.7	11	—	95	80	—	M20	24	CB10—120	GPPTB	40	160	Quotation
50	−0.06 −0.07	50	27	21.2	14	41	120	100	6	M24	28	CB12—150		50	190	
60	−0.07 −0.08	60	33	26.6	18	51	145	120	7.5	M30	33	CB16—170		60	230	
80	−0.08 −0.10	80	40	32	22	64	200	160	8.5	M36	43	CB20—230		80	290	

■Assist Pins for Leader Pin RoHS

GAPT



● SEC.a-a

● A Spring washer dimensions

Size	Internal dia.	External dia.	Thickness
For M22	22.5	32.9	4.5
For M27	27.5	40.0	5.5
For M33	33.5	50.0	7.0
For M42	42.7	63.0	8.0

M S45C
A Spring washer

d	B	M	F	E	ℓ	H	S	R	A	A Spring washer	Part Number Type	Part Number D	L 10mm increments	U/Price 1~9 L60~100	L110~150	L160~200	L210~250	L260~300
22	14	M20	20	10	4	32	15	5	25	For M22	GAPT	40	60~200					
27	16	M24	28	12	5	41	20		30	For M27		50	80~250					
33	18	M30	30			50	25	8		For M33		60	100~250					
40		M36	40	15		70	30	10	35	For M42		80	120~300					

Quotation

Specifications of the supplied spring washers correspond to the d size.
Use GAPT in conjunction with GPPTB.

Order

Part Number	—	L
GPPTB60	—	230
GAPT 40	—	120

Days to Ship: 3 Days

Delivery days depend on subsidiary. P.45

Price

■Quantity discount rate P.45

Quantity	1~9	10~19
Rate	—	5%

To be quoted on price & lead time above Max. Q'ty.

Leader Components