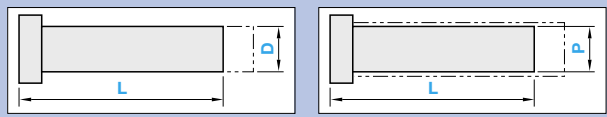


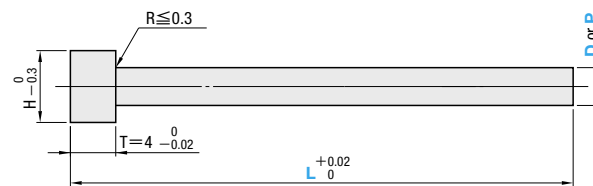
PROVA400
STAMAX ESR®
STRAIGHT CORE PINS

—SHAFT DIAMETER (D) SELECTION / SHAFT DIAMETER (P) DESIGNATION · L DIMENSION DESIGNATION · SHAFT DIAMETER TOLERANCE— $-\frac{0.01}{0.02} / \frac{0}{-0.005}$ TYPE—



Non JIS material definition is listed on P.1351 - 1352

Type	Type		M	H	L	
	Shaft diameter (D) selection	Shaft diameter (P) designation			D or P	L
CPT-L	CPTB-L	STAMAX ESR® Prehardened steel	29~35HRC	-0.01 -0.02	+0.02 0	
CPTH-L	CPTHB-L	STAMAX ESR® Hardening Steel	50~54HRC			
CPQ-L	CPQB-L	PROVA400 Prehardened steel	29~35HRC			
CPQH-L	CPQHB-L	PROVA400 Hardening Steel	50~54HRC			
CPE-L	CPEB-L	STAMAX ESR® Prehardened steel	29~35HRC	0 -0.005		
CPEH-L	CPEHB-L	STAMAX ESR® Hardening Steel	50~54HRC			
CPR-L	CPRB-L	PROVA400 Prehardened steel	29~35HRC			
CPRH-L	CPRHB-L	PROVA400 Hardening Steel	50~54HRC			



PROVA400(prehardened steel) and PROVA400(hardening steel) will be discontinued when stocked materials are finished.

Order

Shaft diameter (D) selection type
Part Number — L —
CPT-L5 — 72.35

Days to Ship **Quotation**

Shaft diameter (P) designation type
Part Number — L — P —
CPTB-L4 — 52.50 — P3.75

Price **Quotation**

Alterations

Part Number — L — P — (KC · WKC...etc.)
CPT-L5 — 72.35 — HC 3.0
CPTB-L4 — 52.50 — P3.75 — TC 2.0

Alterations	Code	Spec.	1Code
	KC	Single flat cutting (D or P)/2 ≤ KC < H/2	Quotation
	WKC	Two flats cutting (D or P)/2 ≤ WKC < H/2	
	KAC	Varied width parallel flats cutting (D or P)/2 ≤ KAC < H/2	
	RKC	Two flats (right angled) cutting (D or P)/2 ≤ RKC < H/2	Quotation
	DKC	Three flats cutting (D or P)/2 ≤ DKC < H/2	
	SKC	Four flats cutting (D or P)/2 ≤ SKC < H/2	
	KGC	Two flats (angled) cutting (D or P)/2 ≤ KGC < H/2	Quotation
	KTC	Three flats cutting at 120° (D or P)/2 ≤ KTC < H/2	

- Characteristics of PROVA400**
- Good in corrosion resistance due to marten site stainless steel material.
 - Good for mirror finish due to high cleanliness steel with ultimate reduced non steel inclusion.
 - Good in abrasion resistance due to heat treated hardness as 53HRC.
 - Extremely less in dimensional changes during heat treatment process due to homogenized processing.

Alteration details P.395

Alterations	Code	Spec.	1Code
	HC	Head diameter change HC=0.1mm increments (D or P) ≤ HC < H	
	HCC	Head diameter change (precision) HCC=0.1mm increments (D or P) + 0.5 ≤ HCC < H - 0.3	
	TC	Head thickness change TC=0.1mm increments (Dimension L remains unchanged.)	Quotation
	TRN	Relief under the head (No need for plate chamfering)	
	NHC	Numbering on the head	
	GVC	Gas vent machining	

Similar products with GVC alteration "Gas release core pins" P.409

Shaft diameter (D) selection type

H	Part Number		L	U/Price 1~4									
	Type	D		0.01mm increments	CPT-L	CPTH-L	CPQ-L	CPQH-L	CPE-L	CPEH-L	CPR-L	CPRH-L	
3	PROVA400	CPQ-L	0.8	7.00~60.00									
			0.9	7.00~100.00									
1													
1.1													
1.2													
1.3													
1.4													
1.5													
4	STAMAX	CPR-L	1.6	7.00~120.00									
			1.7										
			1.8										
			1.9										
			2										
5		2.5	Quotation										
6		3											
7	PROVA400	CPQ-L	3.5	7.00~120.00									
			4										
			4.5										
			5										
9	STAMAX	CPRH-L	5.5	8.00~120.00									
			6										
10		6.5											
11		7											
15		10											
18		13											
21		16											

Shaft diameter (P) designation type

H	Part Number		L	P	U/Price 1~4									
	Type	No.			0.01mm increments	0.01mm increments	CPTB-L	CPTHB-L	CPQB-L	CPQHB-L	CPEB-L	CPEHB-L	CPRB-L	CPRHB-L
3	PROVA400	CPQB-L	1	7.00~60.00	0.80~0.99									
			1.5	7.00~100.00	1.00~1.49									
			2		1.50~1.99									
4	STAMAX	CPRB-L	2.5	7.00~120.00	2.00~2.49									
			3		2.50~2.99									
			3.5		3.00~3.49									
7	PROVA400	CPRH-L	4	7.00~120.00	3.50~3.99									
			4.5		4.00~4.49									
			5		4.50~4.99									
			5.5		5.00~5.49									
			5		5.50~5.99									
			6.5		6.00~6.49									
10	STAMAX	CPTB-L	7	8.00~120.00	6.50~6.99									
			8		7.00~7.99									
			10		8.00~9.99									
			13		10.00~12.99									
21		16	13.00~15.99											

- Refer to P.521 for the size larger than 16 φ of the material STAMAX ESR®.
- STAMAX ESR® is a registered trademark of UDDEHOLM TOOL CO.
- PROVA400 is equivalent to SUS420J2 upgrading steel from Fujikoshi CO.

Straight Core Pins Standard