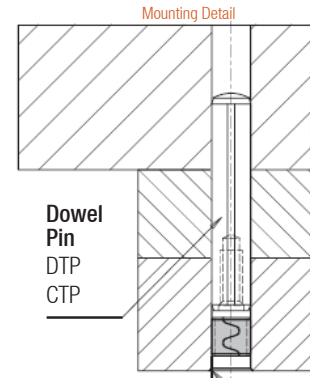
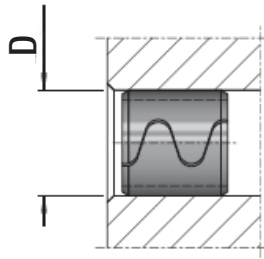


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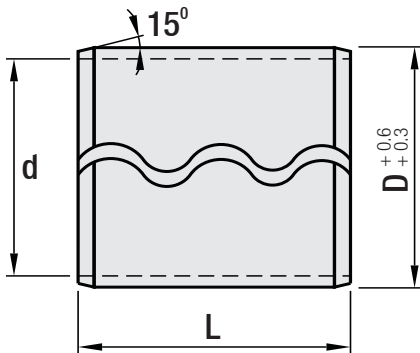


Min. 0.3 x 45°

## Dowel Pin Retaining Sleeve

Code: TPS

Used for positioning of dowel pins in hole at the desired level or as a dowel pin stopper preventing extraction.



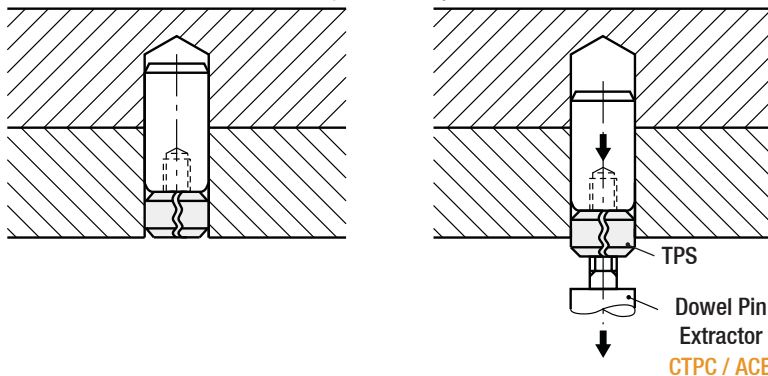
Parts are centered with dowel pins in dies & moulds. After inserting / removing processes, these dowel pins creates gaps and they can be easily inserted / removed. This situation may cause the pin be removed and fall into the die / mould and damage to die / mould parts. In order to avoid such situations, after inserting dowel pin in mounting place, the dowel pin retaining sleeve is attached. It provides safety against falling of pin. It is used as ring in the hole for dowel pins.

**Pull-out Strength:** Pull-out strength is the average value of 10 time repeated pull-outs from a H7 hole. Pull-out strength will vary depending on factors and these factors include "D" measurement tolerance of retaining sleeve, surface roughness and press-fit tolerances.

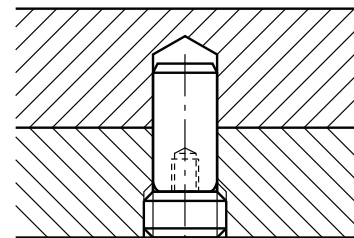
Order Code	Ø D	Ø d	L	Pull-out Strength
	mm	mm	mm	Newton (Kgf)
TPS06	6	4.4	6	392 N (40 kgf)
TPS08	8	5.6	8	1373 N (140 kgf)
TPS10	10	6.4	12	2354 N (240 kgf)
TPS12	12	8.0		1765 N (180 kgf)
TPS16	16	11.0		1422 N (145 kgf)

Used for positioning of dowel pins in hole at the desired level or as a dowel pin stopper preventing extraction.

When "dowel pin retaining sleeve" is used:



When "hex-socket set screw" is used:



The advantage of "TPS" product when compared with usage of hex-socket set screw:

- \* Tapping is not necessary.
- \* It is possible to extract the dowel pins directly when required.