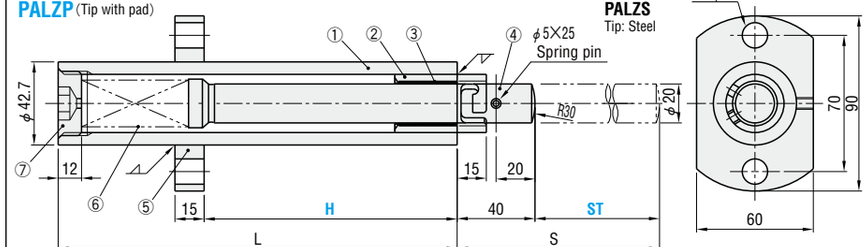
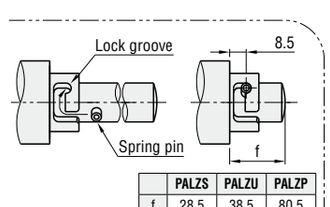
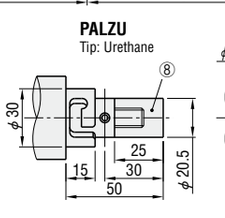
RoHS

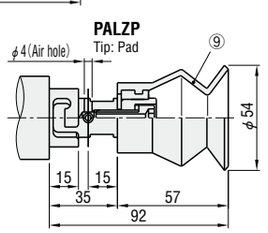
PALZS (Steel tip)
PALZU (Urethane tip)
PALZP (Tip with pad)





	PALZS	PALZU	PALZP
f	28.5	38.5	80.5





■**How to lock**
Insert the spring pin into the lock groove.

①②⑤ M SS400
③ MDZB (Oil-free bushing)
④ M SKD61+Nitriding
H 40 ～ 50HRC (Inside)
900HV (Surface)
⑥ M SWP—A
⑦ MSWZSH
⑧ M Urethane A90
⑨ M NBR (Rubber)

Spring constant N/mm{kgf/mm}	Initial load N{kgf}	Maximum load N{kgf}	S PALZS	S PALZU	S PALZP	L	Catalog No. Type	Catalog No. No.	ST	H 1mm increments	Base unit price 1～9 pieces PALZS	PALZU	PALZP
0.88{0.090}	0{0}	44.1{4.5}	90	100	142	150	PALZS (Steel tip)	20	50	0～130			
0.49{0.050}	0{0}	49.0{5.0}	140	150	192	210	PALZU (Urethane tip)		100	0～190			
0.32{0.033}	0{0}	49.0{5.0}	190	200	242	285	PALZP (Tip with pad)		150	0～265	Quotation		
0.28{0.029}	0{0}	55.9{5.7}	240	250	292	355			200	0～335			
0.24{0.024}	0{0}	54.9{5.6}	290	300	342	415			250	0～395			

Order Catalog No. — ST — H
PALZS 20 — 150 — 120

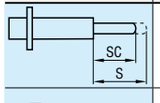
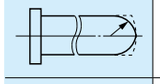
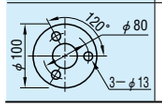
Days to Ship Quotation

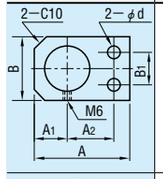
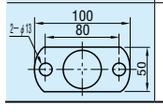
Price Quotation

■**Features**
1) Retracting the pin when moving the die or performing maintenance improves workability.
2) A pad type which is less likely to scratch the workpiece has been added to the specifications.
3) Because an oil-free bushing and a polished pin made of SKD61 (nitrided) are used.

■**Precautions**
1) Be careful not to move the pin in excess of the specified stroke. Doing so will damage the lock mechanism.
2) Lock mechanism will be damaged if it moves acting as lock.

Alterations Catalog No. — ST — H — (SC・SRC・TFC・TFS・SFC)
PALZS 20 — 150 — 220 — SRC

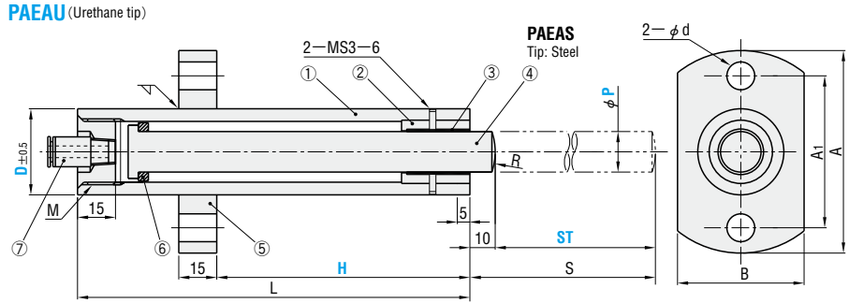
Alteration	Code	Spec.	1Code
	SC	④Pushing pin length change (Can be used for PALZS and PALZU only.) 61≦SC＜S 1mm increments	Quotation
	SRC	④Spherical surface machining to pushing pin tip	
	TFC	Mounting flange change Mounting flange is changed to round flange Flange thickness 15mm	

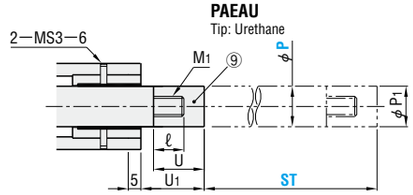
Alteration	Code	Spec.	1Code
	TFS	Mounting flange change Mounting flange is changed to one-side bolted flange. Flange thickness 15mm	Quotation
	SFC	Mounting flange change The flange diameter, width, and bolt pitch are changed.	Quotation

No.	A	A1	A2	B	B1	d	1Code
20	88	30	40	60	30	13	Quotation

RoHS

PAEAS (Steel tip)
PAEAU (Urethane tip)





①②⑤ M SS400
③ MDZB (Oil-free bushing)
④ M SKD61+Nitriding
H 40 ～ 50HRC (Inside)
900HV (Surface)
⑥⑨ M Urethane A90
⑦ Air coupling KQ2S06—01S (product of SMC)

①Case D	M	G	④Pushing pins R	U	U1	ℓ	M1	P1	⑦Mounting flange A	A1	B	d	Pressing load N{kgf} 0.3MPa	0.4MPa	0.5MPa	S PAEAS	PAEAU	L	Catalog No. Type	P	ST	H 1mm increments	Base unit price 1～9 pieces PAEAS	PAEAU
27.2	22	22	20	15	20	9	M6	13.5	70	52	40	11	41.2 {4.2}	54.9 {5.6}	66.7 {6.8}	60	70	100	PAEAS (Steel tip)	13	50	0～80		
																110	120	150			100	0～130	Quotation	
																160	170	200			150	0～180		
34	26	27	25	20	25	12	M8	16.5	80	60	50		63.7 {6.5}	83.4 {8.5}	103 {10.5}	60	75	105	PAEAU (Urethane tip)	16	50	0～85		
																110	125	155			100	0～135		
																160	175	205			150	0～185		
																210	225	255			200	0～235		

*The pressing load values are provided for reference only.

Order Catalog No. — ST — H
PAEAS 16 — 150 — 120

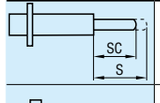
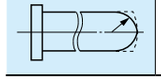
Days to Ship Quotation

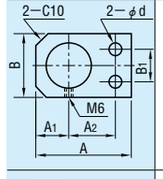
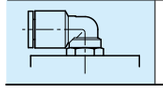
Price Quotation

■**Features: The air-driven mechanism provides the following advantages.**
1) Saves space.
 • Because no spring is used, the full length is short.
 • Because the pressing load is large, the diameter can be reduced by 1 rank relative to the spring type.
2) The pressing load can be easily adjusted by changing the air pressure.
3) Because an oil-free bushing and a polished pin made of SKD61 (nitrided) are used.

■**Precautions**
1) Use air tubes with an outer diameter 6 mm and inner diameter 4 mm.
2) Use dry compressed air.
3) It can be made to perform pressure regulation of air pressure.

Alterations Catalog No. — ST — H — (SC・SRC・TFS・JLC)
PAEAS 16 — 150 — 120 — SRC

Alteration	Code	Spec.	1Code
	SC	④Pushing pin length change 31≦SC＜S 1mm increments	Quotation
	SRC	④Spherical surface machining to pushing pin tip	

Alteration	Code	Spec.	1Code
	TFS	Mounting flange change Mounting flange is changed to one-side bolted flange. Flange thickness 15mm	Quotation
	JLC	The provided one-touch pipe coupling is changed to an L-shape (elbow) type.	Quotation

P	A	A1	A2	B	B1	d	1Code
13	60	20	25	38	20	11	Quotation
16	70	25	30	50	24	11	

LOCATING COMPONENTS FOR AUTOMOTIVE DIES