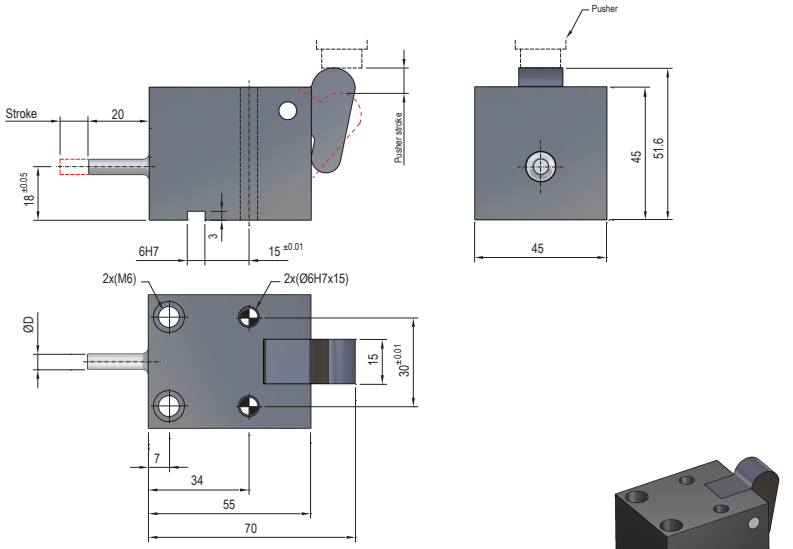
TPUL-SERIE



- Kompakte Schiebereinheiten
- Eco-Serie
- Lange Lebensdauer
- Rückhub durch Gasfeder

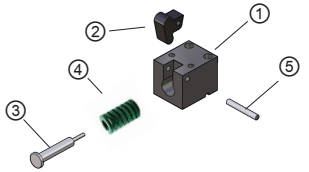
Seitliche Stanzeinheiten mit Hebelschiebersystem

Code	Working punch stroke mm	Max. punching force daN
TPUL 7,5	9	750
TPUL 1500x15	15	1500
TPUL 3500x25	25	3500
TPUD 3500x25	25	3500
TPUL 5000x38	38	5000
TPUD 5000x38	38	5000
TPUL 7000x50	50	7000
TPUD 7000x50	50	7000
TPUL 10000x63	63	10000
TPUD 10000x63	63	10000



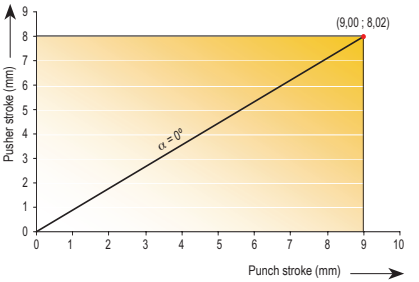
Code	Smax mm	Max. punching force	Punch diameter		Spring return force	Punch characteristics		Kg
			ØD min	ØD max		Hardness	Punch shape	
TPUL 7,5	9	750 daN	3,5 mm	7 mm	≈ 50daN	62 ± 2 HRc	Round	0,8

Description



Part no.	Description
1	Body
2	Cam
3	Punch
4	Return spring
5	Rod

Hubverhältnis Stempel / Treiber



Einbaumöglichkeiten

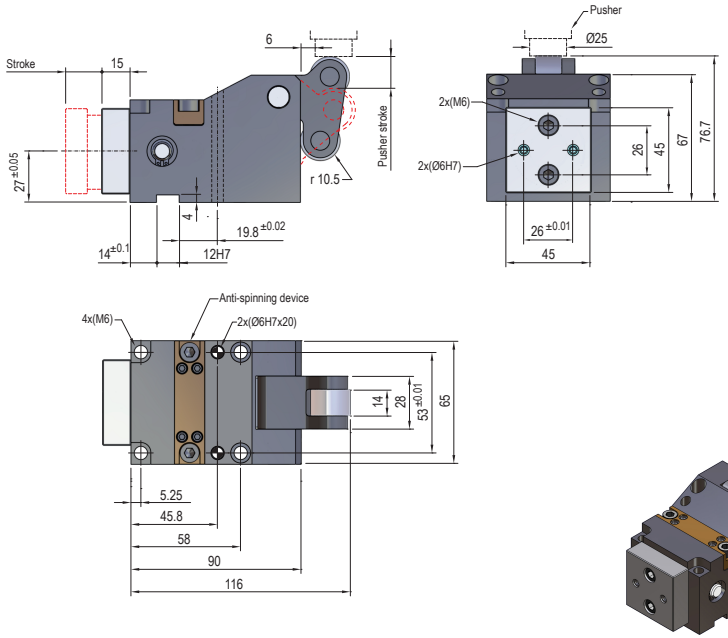


Bestellangaben

TPUL 7,5 x **5,2**

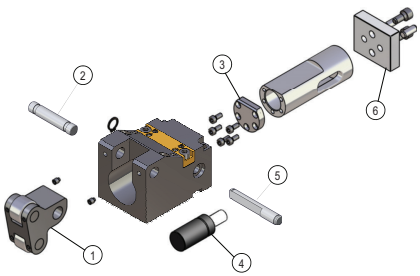
Code | Ø Punch

Pieper Normteile GmbH +++ www.pieper-normteile.de +++
Tel.: +49 (0) 7644.929588 +++ info@pieper-normteile.de



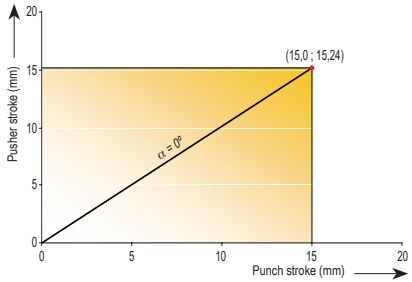
Code	Smax mm	Max. punching force	Gas spring force		Gas spring model	Max. working specifications		Application	Kg
			Initial	Final		Velocity	Strokes / min		
TPUL 1500x15	15	1500 daN	170 daN	≈ 270 daN	MICRO 19V1x15 YW	0,5 m/s	40 spm	Round and shaped	2,8

Ersatzteile

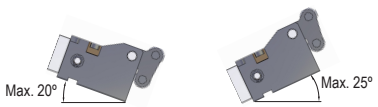


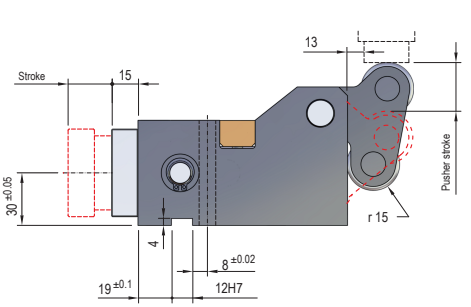
Part no.	Description	Part code
1	**Cam**	TPUL1500-1
2	**Rod**	TPUL1500-2
3	**End cap**	TPUL1500-3
4	**Gas spring**	MICRO 19V1x15 YW
5	**Rod pin**	TPUL1500-5
6	**Punch holder (C45)**	TPUL1500-6

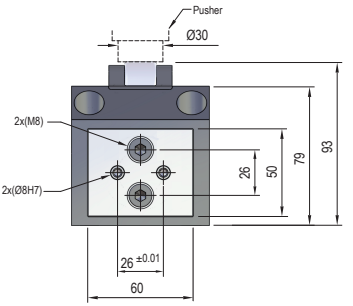
Hubverhältnis Stempel / Treiber

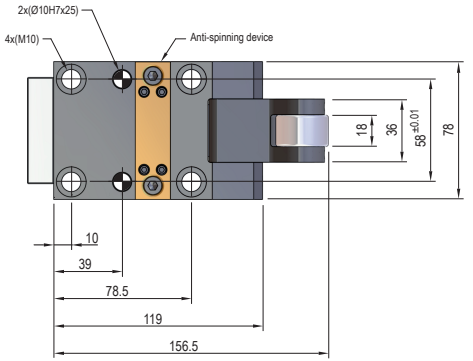


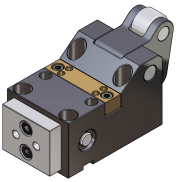
Maximaler Neigungswinkel





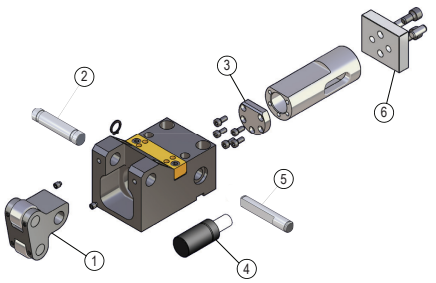






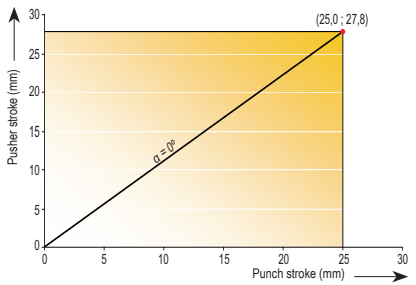
Code	Smax mm	Max. punching force	Gas spring force		Gas spring model	Max. working specifications		Application	Kg
			Initial	Final		Velocity	Strokes / min		
TPUL 3500x25	25	3500 daN	300 daN	≈ 465 daN	MICRO 25V1x25 YW	0,5 m/s	45 spm	Round and shaped	5,1

Ersatzteile

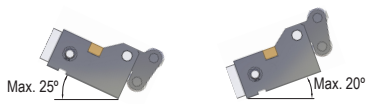


Part no.	Description	Part code
1	Cam	TPUL3500-1
2	Rod	TPUL3500-2
3	End cap	TPUL3500-3
4	Gas spring	MICRO 25V1x25 YW
5	Rod pin	TPUL3500-5
6	Punch holder (C45)	TPUL3500-6

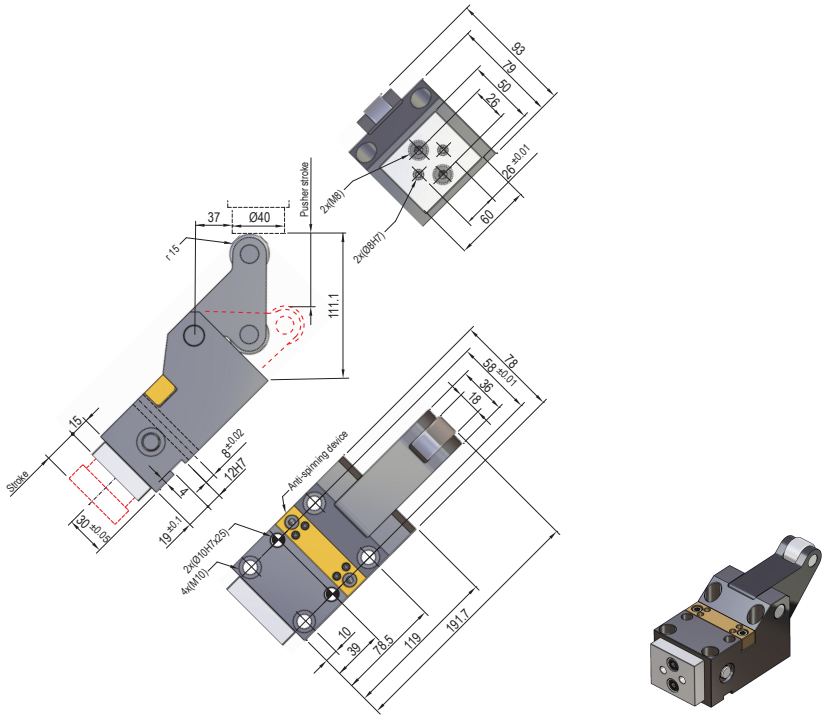
Hubverhältnis Stempel / Treiber



Maximaler Neigungswinkel

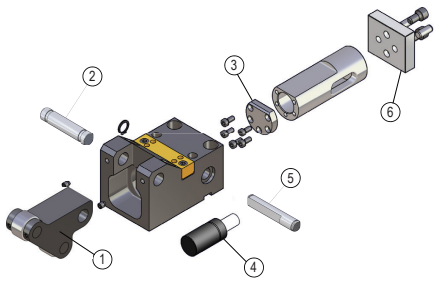


TPUD 3500



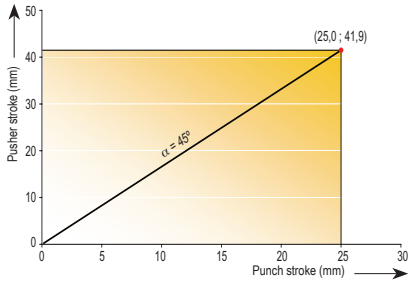
Code	Smax mm	Max. punching force	Gas spring force		Gas spring model	Max. working specifications		Application	Kg
			Initial	Final		Velocity	Strokes / min		
TPUD 3500x25	25	3500 daN	300 daN	≈ 465 daN	MICRO 25V1x25 YW	0,5 m/s	45 spm	Round and shaped	5,2

Ersatzteile

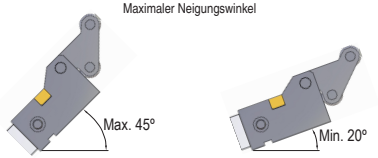


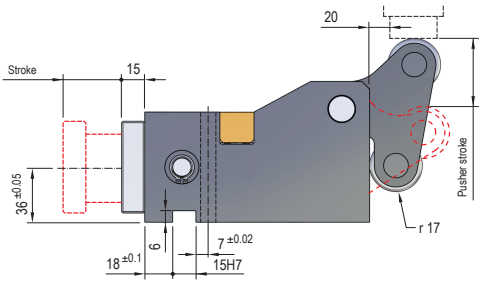
Part no.	Description	Part code
1	**Cam**	TPUD3500-1
2	**Rod**	TPUL3500-2
3	**End cap**	TPUL3500-3
4	**Gas spring**	MICRO 25V1x25 YW
5	**Rod pin**	TPUL3500-5
6	**Punch holder (C45)**	TPUL3500-6

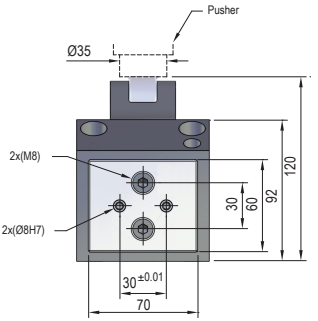
Hubverhältnis Stempel / Treiber

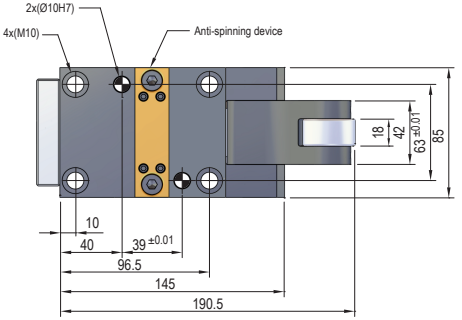


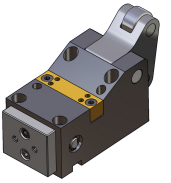
Maximaler Neigungswinkel





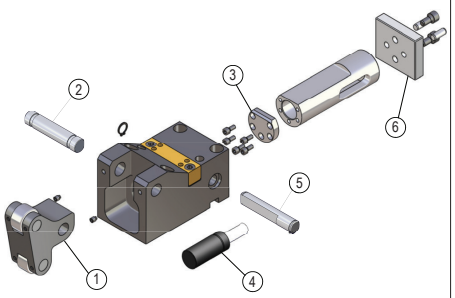






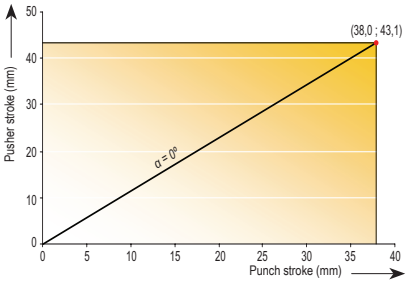
Code	Smax mm	Max. punching force	Gas spring force		Gas spring model	Max. working specifications		Application	Kg
			Initial	Final		Velocity	Strokes / min		
TPUL 5000x38	38	5000 daN	300 daN	≈ 465 daN	MICRO 25V1x38 YW	0,5 m/s	40 spm	Round and shaped	7,2

Ersatzteile

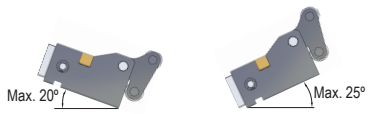


Part no.	Description	Part code
1	**Cam**	TPUL5000-1
2	**Rod**	TPUL5000-2
3	**End cap**	TPUL5000-3
4	**Gas spring**	MICRO 25V1x38 YW
5	**Rod pin**	TPUL5000-5
6	**Punch holder (C45)**	TPUL5000-6

Hubverhältnis Stempel / Treiber

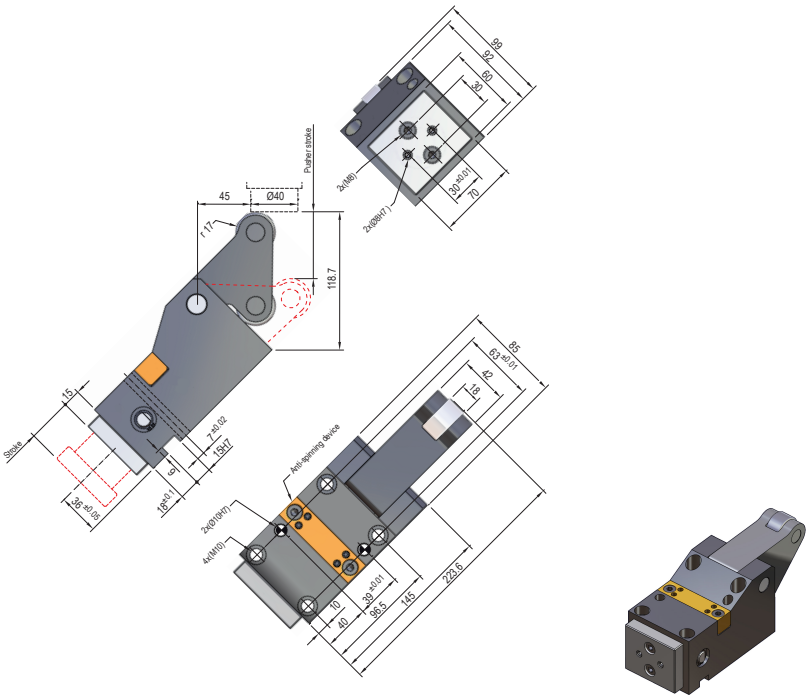


Maximaler Neigungswinkel



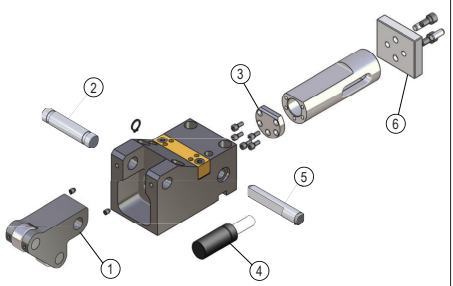
Pieper Normteile GmbH +++ www.pieper-normteile.de +++
Tel.: +49 (0) 7644.929588 +++ info@pieper-normteile.de

TPUD 5000



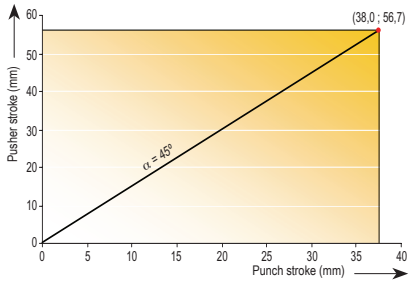
Code	Smax mm	Max. punching force	Gas spring force		Gas spring model	Max. working specifications		Application	Kg
			Initial	Final		Velocity	Strokes / min		
TPUD 5000x38	38	5000 daN	300 daN	≈ 465 daN	MICRO 25V1x38 YW	0,5 m/s	40 spm	Round and shaped	7,4

Ersatzteile

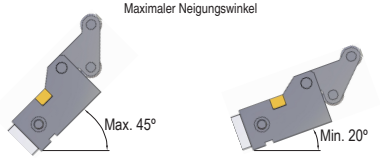


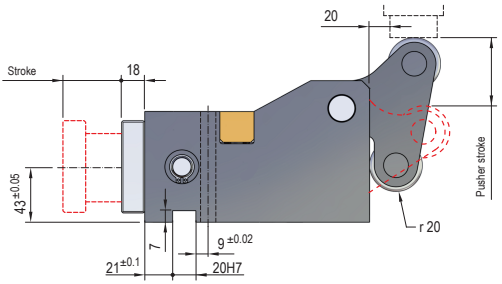
Part no.	Description	Part code
1	**Cam**	TPUD5000-1
2	**Rod**	TPUL5000-2
3	**End cap**	TPUL5000-3
4	**Gas spring**	MICRO 25V1x38 YW
5	**Rod pin**	TPUL5000-5
6	**Punch holder (C45)**	TPUL5000-6

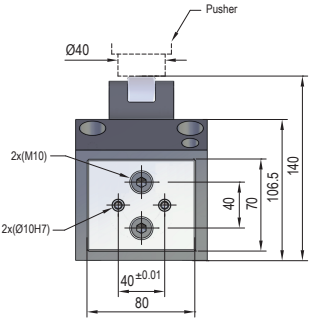
Hubverhältnis Stempel / Treiber

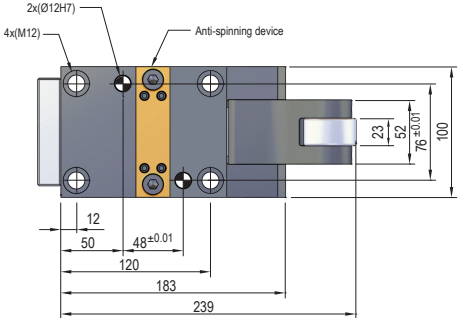


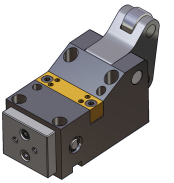
Maximaler Neigungswinkel





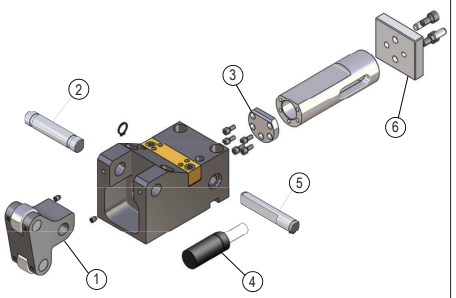






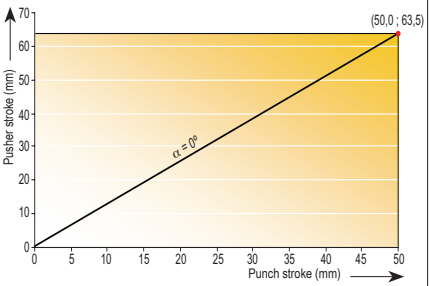
Code	Smax mm	Max. punching force	Gas spring force		Gas spring model	Max. working specifications		Application	Kg
			Initial	Final		Velocity	Strokes / min		
TPUL 7000x50	50	7000 daN	400 daN	≈ 620 daN	TPK 32x50 YW	0,5 m/s	35 spm	Round and shaped	13,3

Ersatzteile

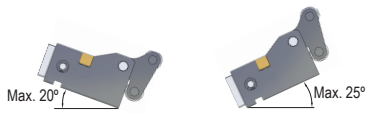


Part no.	Description	Part code
1	**Cam**	TPUL7000-1
2	**Rod**	TPUL7000-2
3	**End cap**	TPUL7000-3
4	**Gas spring**	TPK 32x50 YW
5	**Rod pin**	TPUL7000-5
6	**Punch holder (C45)**	TPUL7000-6

Hubverhältnis Stempel / Treiber



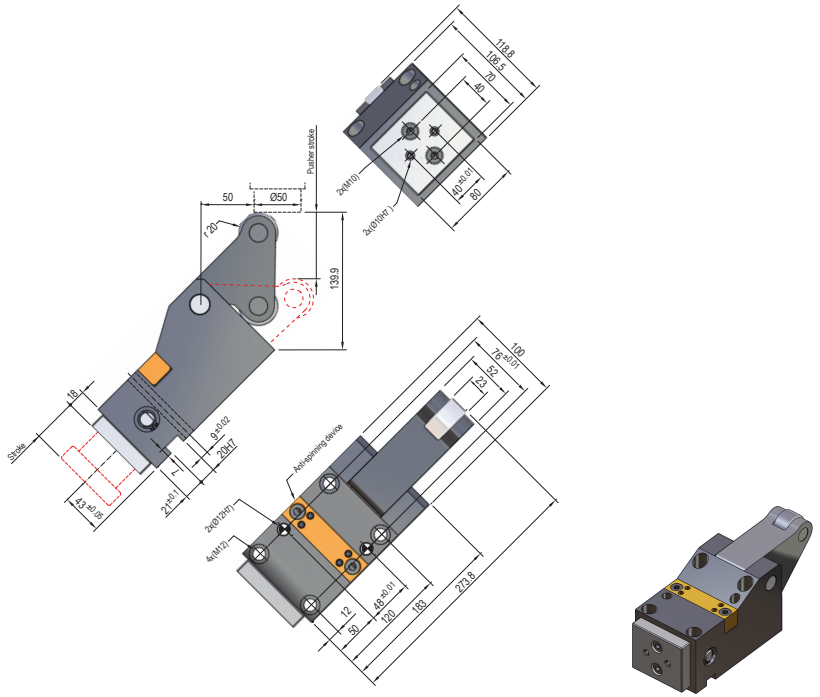
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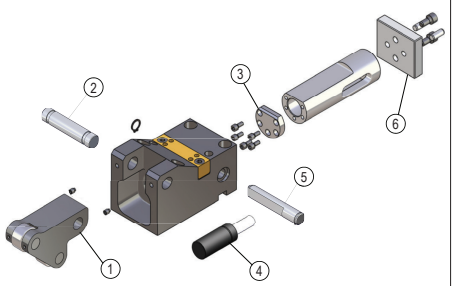
7000daN
50mm

TPUD 7000



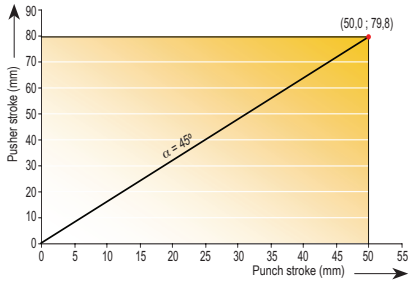
Code	Smax mm	Max. punching force	Gas spring force		Gas spring model	Max. working specifications		Application	Kg
			Initial	Final		Velocity	Strokes / min		
TPUD 7000x50	50	7000 daN	400 daN	≈ 620 daN	TPK 32x50 YW	0,5 m/s	35 spm	Round and shaped	13,5

Ersatzteile

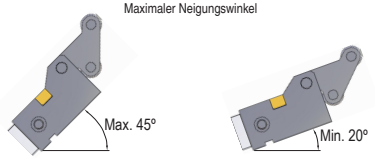


Part no.	Description	Part code
1	Cam	TPUD7000-1
2	Rod	TPUL7000-2
3	End cap	TPUL7000-3
4	Gas spring	TPK 32x50 YW
5	Rod pin	TPUL7000-5
6	Punch holder (C45)	TPUL5000-6

Hubverhältnis Stempel / Treiber

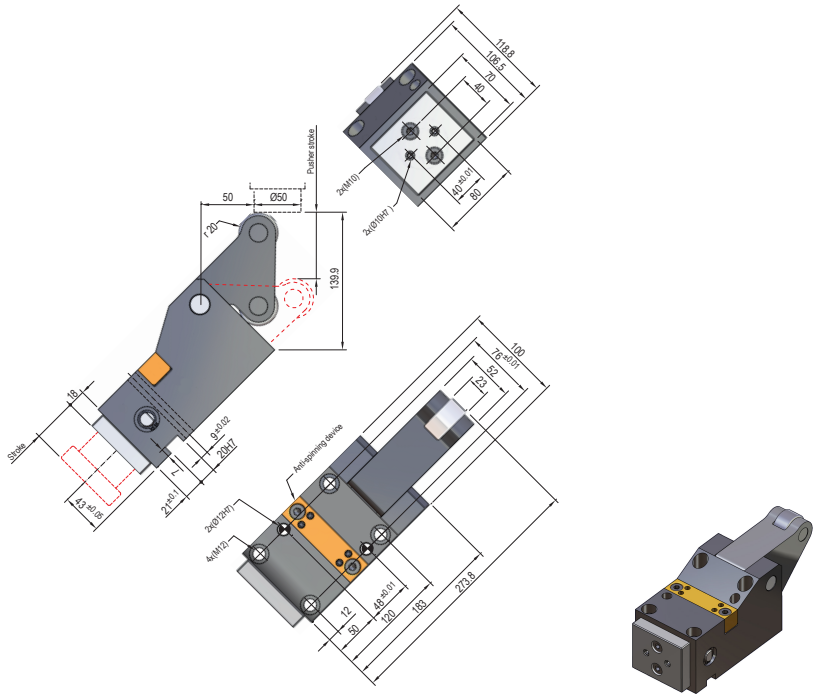


Maximaler Neigungswinkel



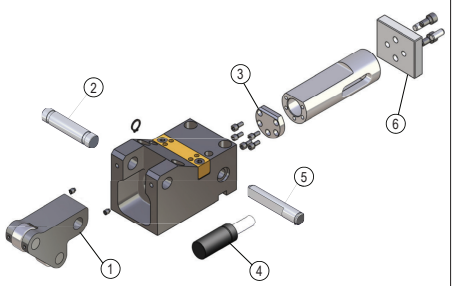
7000daN
50mm

TPUD 7000



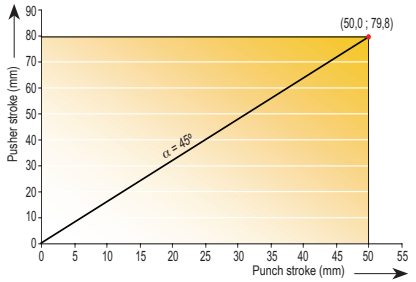
Code	Smax mm	Max. punching force	Gas spring force		Gas spring model	Max. working specifications		Application	Kg
			Initial	Final		Velocity	Strokes / min		
TPUD 7000x50	50	7000 daN	400 daN	≈ 620 daN	TPK 32x50 YW	0,5 m/s	35 spm	Round and shaped	13,5

Ersatzteile

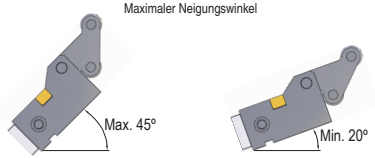


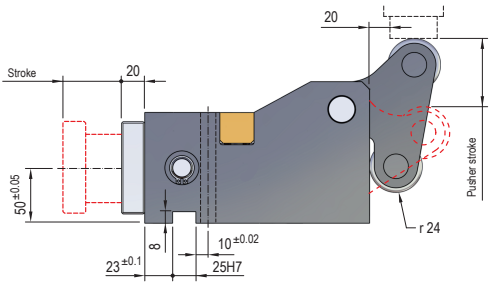
Part no.	Description	Part code
1	**Cam**	TPUD7000-1
2	**Rod**	TPUL7000-2
3	**End cap**	TPUL7000-3
4	**Gas spring**	TPK 32x50 YW
5	**Rod pin**	TPUL7000-5
6	**Punch holder (C45)**	TPUL7000-6

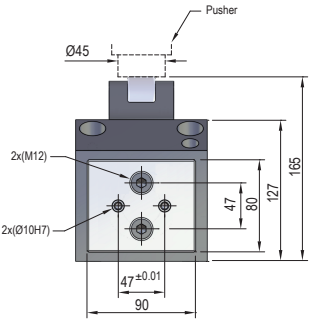
Hubverhältnis Stempel / Treiber

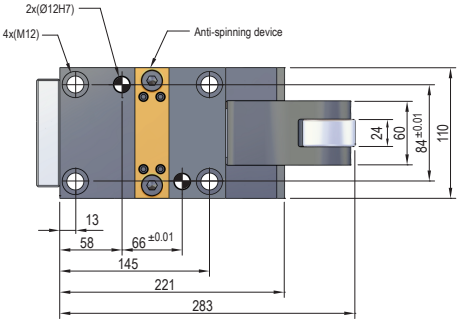


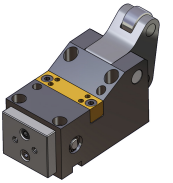
Maximaler Neigungswinkel





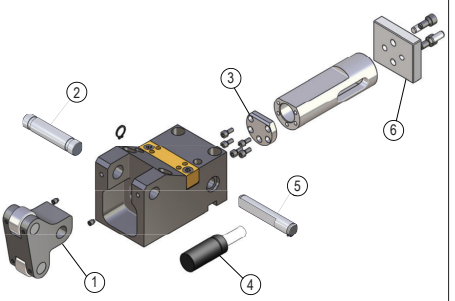






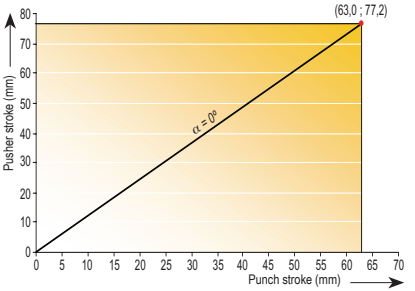
Code	Smax mm	Max. punching force	Gas spring force		Gas spring model	Max. working specifications		Application	Kg
			Initial	Final		Velocity	Strokes / min		
TPUL 10000x63	63	10000 daN	600 daN	≈ 880 daN	TPK 600x63	0,5 m/s	30 spm	Round and shaped	20,5

Ersatzteile

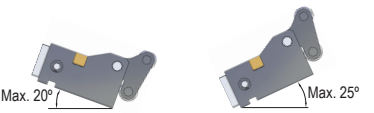


Part no.	Description	Part code
1	Cam	TPUL10000-1
2	Rod	TPUL10000-2
3	End cap	TPUL10000-3
4	Gas spring	TPK 600x63
5	Rod pin	TPUL10000-5
6	Punch holder (C45)	TPUL10000-6

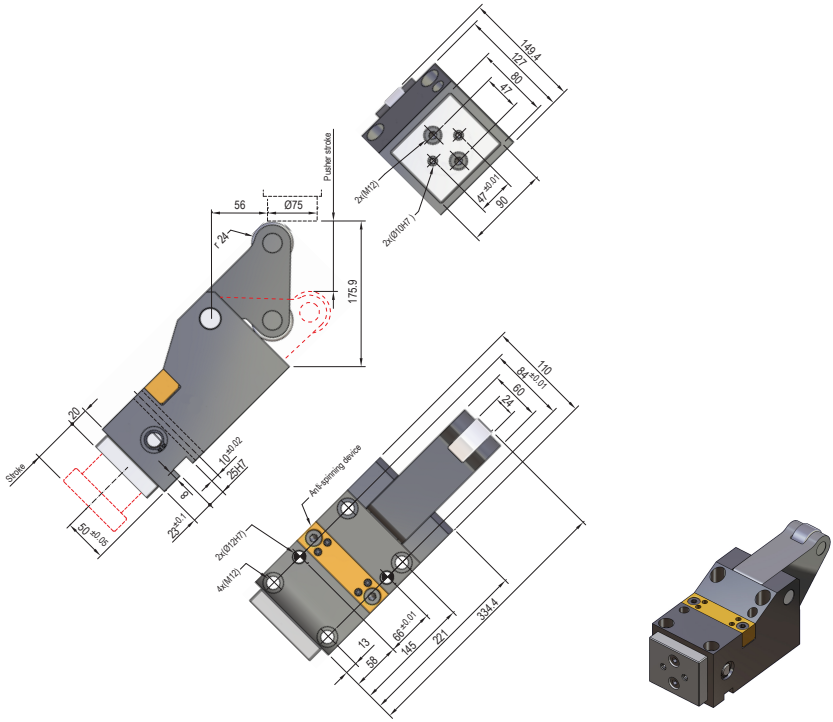
Hubverhältnis Stempel / Treiber



Maximaler Neigungswinkel

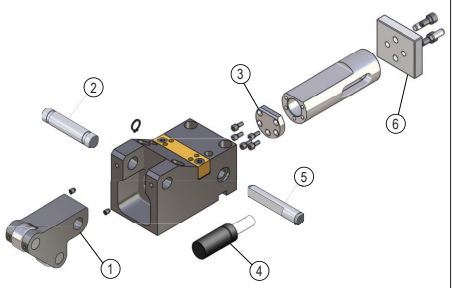


TPUD 10000



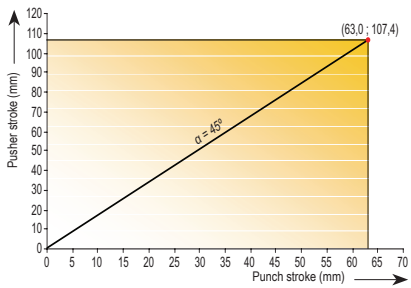
Code	Smax mm	Max. punching force	Gas spring force		Gas spring model	Max. working specifications		Application	Kg
			Initial	Final		Velocity	Strokes / min		
TPUD 10000x63	63	10000 daN	600 daN	≈ 880 daN	TPK 600x63	0,5 m/s	30 spm	Round and shaped	20,7

Ersatzteile

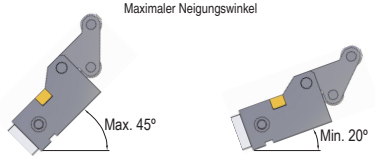


Part no.	Description	Part code
1	**Cam**	TPUD10000-1
2	**Rod**	TPUL10000-2
3	**End cap**	TPUL10000-3
4	**Gas spring**	TPK 600x63
5	**Rod pin**	TPUL10000-5
6	**Punch holder (C45)**	TPUL10000-6

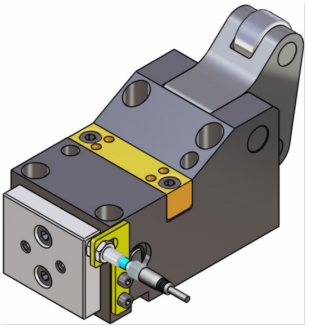
Hubverhältnis Stempel / Treiber



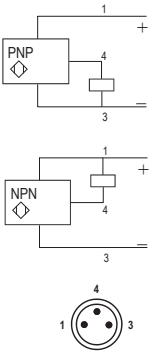
Maximaler Neigungswinkel



Passive Rücklaufüberwachung DRP





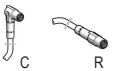


Zur Überwachung der Rückkehr der Stanzeinheit in ihre Ausgangsposition empfiehlt TECAPRES einen induktiven Sensor DRP als passive Rücklaufüberwachung. Kehrt der Schieber beim Hochfahren der Presse infolge eines Gasfederausfalls nicht zurück, wird ein Signal ausgelöst. Dieses kann für einen Alarm, einen Pressenstopp usw. genutzt werden.

Bestellangaben

DRP-1 - R

Code | Connector

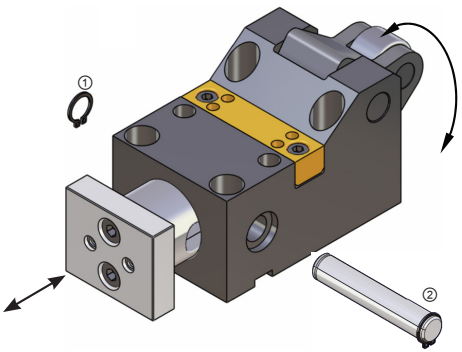


Connectors

Length of the cable 2m, 5m, 10m

Reference	Type	Function	Nominal sensing distance	Supply voltage	Switching capacity
DRP-1	PNP	NO	2 mm	12 ... 24 VDC	200 mA
DRP-2		NC			
DRP-3	NPN	NO			
DRP-4		NC			

Stempeleinstellung



Für die Stempeleinstellung kann die Stanzeinheit wie in der Abbildung von Hand betätigt werden.

Entfernen Sie zunächst den Sicherungsring des Bolzens (1). Entnehmen Sie anschließend den Zylinderanschlagbolzen (2).

Die Stange lässt sich nun frei bewegen.

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