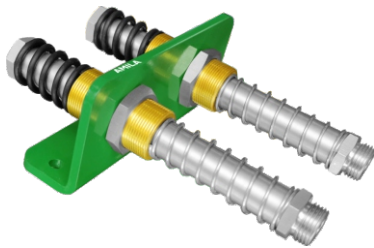


# Suspension Flexible

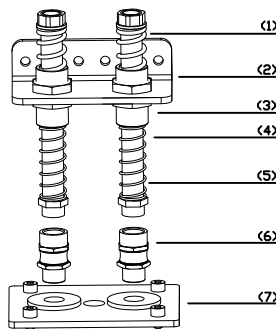
## Suspension Flexible MTE-STARR

Stroke: 25 to 75mm

Suspension Flexible MTE-STARR



System design Suspension Flexible MTE-STARR



### Introduction and application

- ◆ Spring plunger with two damping springs and special slide bearings for handling workpieces with differences in height, e.g. curved sheet metal or wooden parts
- ◆ Handling very sensitive components without additional control requirements (e.g. glass sheets), it ensures that workpieces are set down gently.
- ◆ Handling very warped and naturally grown materials (e.g. dried wood) without additional technical control requirements.
- ◆ Use under harsh conditions
- ◆ Highly dynamic handling tasks with short cycle times

### Design

- ◆ Spring plunger with stainless steel plunger rod, brass guide sleeve with integrated sliding sleeve both lower (5) and upper (1) damping spring
- ◆ High quality stainless steel mounting plate (2) for fixing brass guide sleeve (4) and integrated sliding sleeve
- ◆ the guide sleeve is attached by two lock nuts (3)
- ◆ Optional flexible joint (6) connection (high quality steel and vulcanized adhesive rubber) for maximum angular compensation
- ◆ The powder coating mounting plate (7) is suitable for large-area clamp systems

### Ordering Guide Suspension Flexible MTE-STARR

Type	Buffer stroke[mm]	Connecting thread of suction cup	Sleeve thread	Ordering Data	Type
MTE-STARR 25 HD2 G1/2-AG G3/8-IG	25	G1/2-AG	G3/8-IG	90.04.01.00132	HD2
MTE-STARR 50 HD2 G1/2-AG G3/8-IG	50	G1/2-AG	G3/8-IG	90.04.01.00131	HD2
MTE-STARR 75 HD2 G1/2-AG G3/8-IG	75	G1/2-AG	G3/8-IG	90.04.01.00130	HD2
MTE-STARR 25 HD1 G1/2-AG G3/8-IG	25	G1/2-AG	G3/8-IG	90.04.01.00135	HD1
MTE-STARR 50 HD1 G1/2-AG G3/8-IG	50	G1/2-AG	G3/8-IG	90.04.01.00134	HD1
MTE-STARR 75 HD1 G1/2-AG G3/8-IG	75	G1/2-AG	G3/8-IG	90.04.01.00133	HD1

Note:AG(external thread) IG(internal thread)

### Technical Data Suspension Flexible MTE-STARR

Type	Spring load rate [ N/mm ]	Spring pretension [ N ]	Spring force [ N ]	Vertical load [ N ]	Weight [ g ]	Operating temperature [ °C ]
MTE-STARR 25 HD2 G1/2-AG G3/8-IG	3.828	51.30	147.00	6000	2300	0...80
MTE-STARR 50 HD2 G1/2-AG G3/8-IG	1.810	10.90	101.40	6000	2400	0...80
MTE-STARR 75 HD2 G1/2-AG G3/8-IG	1.072	73.90	154.30	6000	2500	0...80
MTE-STARR 25 HD1 G1/2-AG G3/8-IG	3.828	25.60	73.50	3000	1200	0...80
MTE-STARR 50 HD1 G1/2-AG G3/8-IG	1.810	5.40	50.70	3000	1250	0...80
MTE-STARR 75 HD1 G1/2-AG G3/8-IG	1.072	36.90	77.10	3000	1300	0...80

# Suspension Flexible

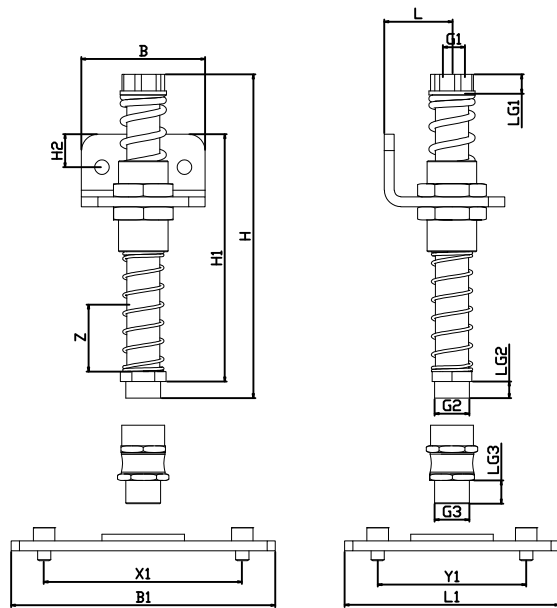
## Suspension Flexible MTE-STARR

Stroke: 25 to 75mm



### Design Data Suspension Flexible MTE-STARR

MTE-STARR 25 to 75



Type	Dimensions[mm]											Z (Stroke)
	B	G1	G2	G3	H	H1	H2	L	LG2	LG3		
MTE-STARR 25 HD2 G1/2-AG G3/8-IG	152	G3/8"-F	G1/2"-M	G1/2"-M	167.6	129	20	41	11	14	25	
MTE-STARR 50 HD2 G1/2-AG G3/8-IG	152	G3/8"-F	G1/2"-M	G1/2"-M	199.8	161	20	41	11	14	50	
MTE-STARR 75 HD2 G1/2-AG G3/8-IG	152	G3/8"-F	G1/2"-M	G1/2"-M	238.6	200	20	41	11	14	75	
MTE-STARR 25 HD1 G1/2-AG G3/8-IG	75	G3/8"-F	G1/2"-M	G1/2"-M	167.6	129	20	41	11	14	25	
MTE-STARR 50 HD1 G1/2-AG G3/8-IG	75	G3/8"-F	G1/2"-M	G1/2"-M	199.8	161	20	41	11	14	50	
MTE-STARR 75 HD1 G1/2-AG G3/8-IG	75	G3/8"-F	G1/2"-M	G1/2"-M	238.6	200	20	41	11	14	75	

Type	Dimensions[mm]				
	L1	B1	X1	Y1	
FLAN-PL 120X85X10 ST SBX	85	120	90	65	
FLAN-PL 160X130X10 ST SBX	130	160	120	90	
FLAN-PL 400X90X10 ST SBX	90	400	280	65	