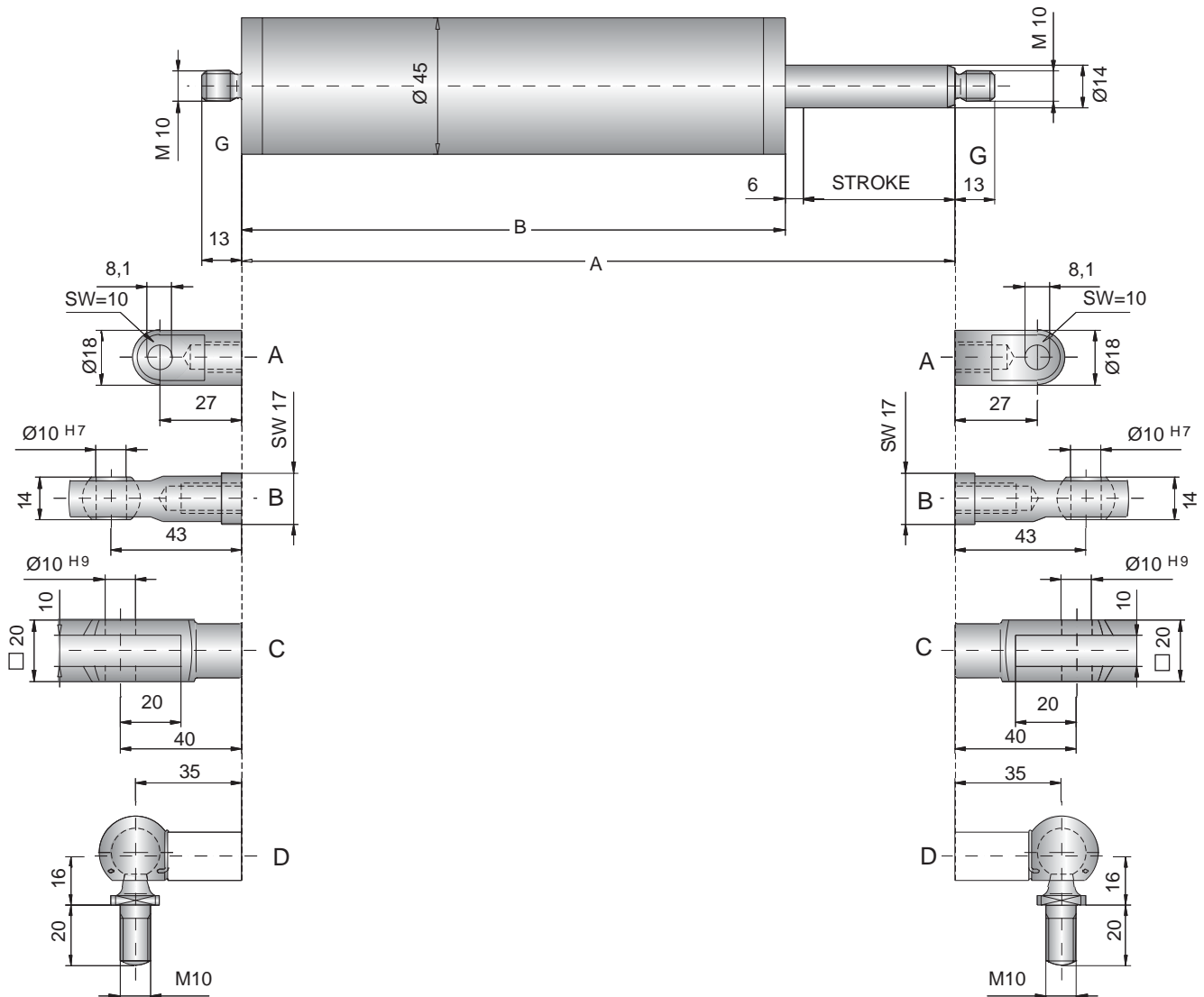


ADA 705M → ADA 780M



Catalog No. (Model)	Damping Direction	Bore Size (mm)	(S) Stroke (mm)	(F _D) Max. Propelling Force		(E _F C) Max Nm/hour	Model Weight (kg)	A	B
				Tension (N)	Compression (N)				
ADA 705M	T, C or T and C	25,0	50,0	11 000	11 000	129 000	1,6	237	180
ADA 710M	T, C or T and C	25,0	100,0	11 000	11 000	168 000	2,0	339	231
ADA 715M	T, C or T and C	25,0	150,0	11 000	11 000	206 000	2,3	441	282
ADA 720M	T, C or T and C	25,0	200,0	11 000	11 000	247 000	2,6	541	332
ADA 725M	T, C or T and C	25,0	250,0	11 000	11 000	286 000	2,9	643	383
ADA 730M	T, C or T and C	25,0	300,0	11 000	11 000	326 000	3,2	745	434
ADA 735M	T, C or T and C	25,0	350,0	11 000	11 000	366 000	3,6	847	485
ADA 740M	T, C or T and C	25,0	400,0	11 000	11 000	405 000	3,9	947	535
ADA 745M	T, C or T and C	25,0	450,0	11 000	8 800	444 000	4,2	1 049	586
ADA 750M	T, C or T and C	25,0	500,0	11 000	7 500	484 000	4,5	1 151	637
ADA 755M	T, C or T and C	25,0	550,0	11 000	6 200	524 000	4,8	1 253	688
ADA 760M	T, C or T and C	25,0	600,0	11 000	5 300	563 000	5,2	1 355	739
ADA 765M	T, C or T and C	25,0	650,0	11 000	4 500	603 000	5,5	1 457	790
ADA 770M	T, C or T and C	25,0	700,0	11 000	4 000	642 000	5,8	1 557	840
ADA 775M	T, C or T and C	25,0	750,0	11 000	3 500	681 000	6,1	1 659	891
ADA 780M	T, C or T and C	25,0	800,0	11 000	3 100	721 000	6,5	1 761	942

*Note: The maximum load capacity for mounting option D is 1 600 N.

All dimensions in millimeters.

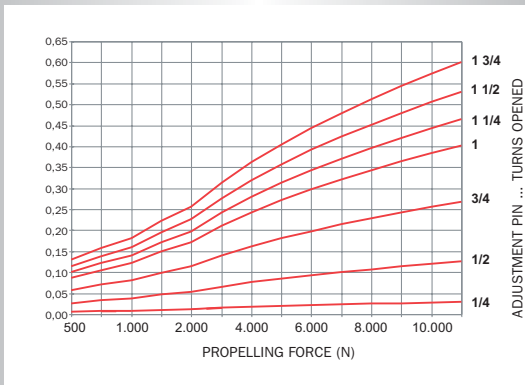
Rate Controls

ADA 700M Series

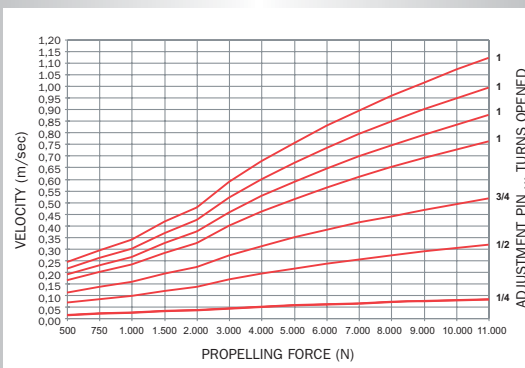
Useable Adjustment Setting Range

Red lines are model's maximum allowable propelling force.

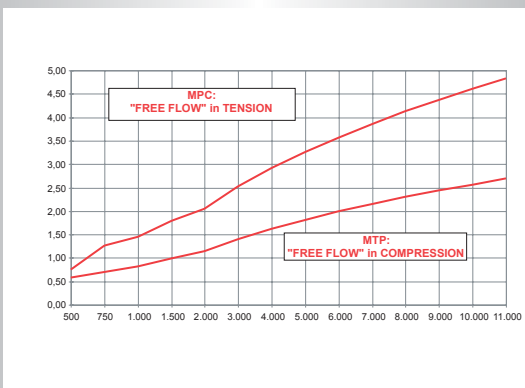
Compression



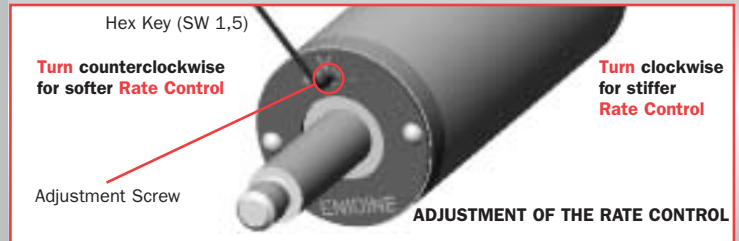
Tension



Free Flow



Damping Force



1. To determine the approximate adjustment setting, when the selected model, propelling force, and velocity are known: compare velocity to the propelling force in the compression and/or tension mode adjustment setting curves. The intersection point of the velocity and the propelling force is the approximate adjustment setting to be used. Adjustment lower or higher than this setting will result in slower or faster damper operation respectively.

2. To determine the velocity, when the selected model, adjustment setting, and propelling force are known: compare the propelling force to the adjustment setting in the compression and/or tension mode adjustment setting curves. The intersection point of the propelling force and the adjustment setting is the approximate velocity for the selected model. Higher velocities are obtained at higher adjustment settings and lower velocities are obtained at lower adjustment settings.

3. A 1,5mm Hex Wrench (Provided) is required to adjust the unit.

NOTE: When a free flow plug is used, the intersection point of the propelling force and free flow plug curve determines the velocity.

EXAMPLE: Adjustable Double Acting Rate Control Application

Stroke required: 150mm
 Propelling force: 6 000 N (tension), 1 500 N (compression)
 Selection: ADA 715M

1. Velocity requested: 0,65 m/sec (tension), 0,1 m/sec (compression)

2. Adjustment setting

Compression: 3/4 turns opened,
 Tension: 1 1/4 turns opened

NOTE: Propelling force and velocity should be measured at the location of the rate control.

ADA 700M Series

RATE CONTROLS

ADA 700M Ordering Information

Example:

10

Select quantity

ADA 770M

Model Designation

T

Tension Mode: Adjustable
 (P = Free Flow)

C

Compression Mode: Adjustable
 (P = Free Flow)

B

G - Threaded Only
 A - Clevis
 B - Swivel Bearing
 C - Fork
 D - Knee Joint

C

G - Threaded Only
 A - Clevis
 B - Swivel Bearing
 C - Fork
 D - Knee Joint