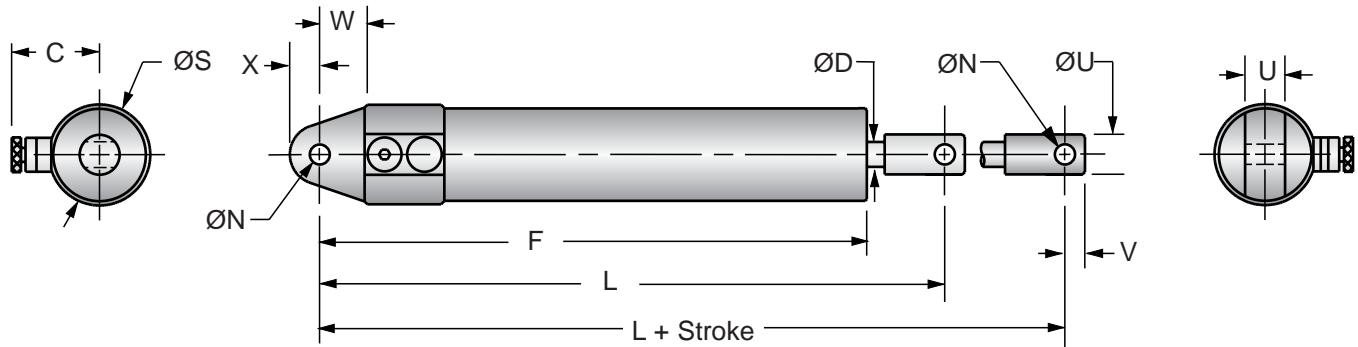


Rate Controls

ADA 500M Series

ADA 505M → ADA 525M



Catalog No. (Model)	Damping Direction	Bore Size (mm)	(S) Stroke (mm)	(F _D) Max. Propelling Force		(E _T C) Max. Nm/hour	Model Weight (g)
				Extension (N)	Compression (N)		
ADA 505M	T, C or T and C	16,0	50,0	2 000	2 000	73 450	300
ADA 510M	T, C or T and C	16,0	100,0	2 000	1 670	96 050	372
ADA 515M	T, C or T and C	16,0	150,0	2 000	1 335	118 650	445
ADA 520M	T, C or T and C	16,0	200,0	2 000	900	141 250	520
ADA 525M	T, C or T and C	16,0	250,0	2 000	550	163 850	590

Catalog No. (Model)	C	D	F	L	ØN +0,1/-0,0	S	ØU +0,0/-0,3	V	W	X	(S) Stroke (mm)	Damping Direction
ADA 505M	27,0	8,0	173,0	200,0	6,0	31,8	12,7	6,3	14,2	9,5	50,0	T, C or T and C
ADA 510M	27,0	8,0	224,0	250,0	6,0	31,8	12,7	6,3	14,2	9,5	100,0	T, C or T and C
ADA 515M	27,0	8,0	275,0	300,0	6,0	31,8	12,7	6,3	14,2	9,5	150,0	T, C or T and C
ADA 520M	27,0	8,0	325,0	350,0	6,0	31,8	12,7	6,3	14,2	9,5	200,0	T, C or T and C
ADA 525M	27,0	8,0	376,0	400,0	6,0	31,8	12,7	6,3	14,2	9,5	250,0	T, C or T and C

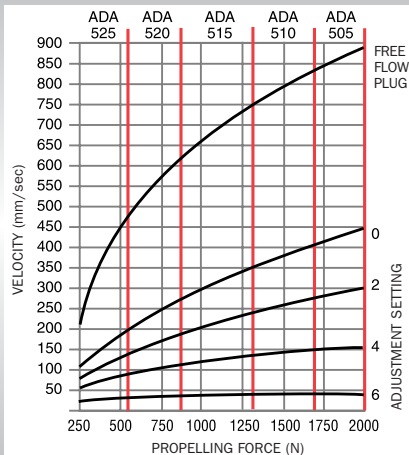
All dimensions in millimeters.

Useable Adjustment Setting Range

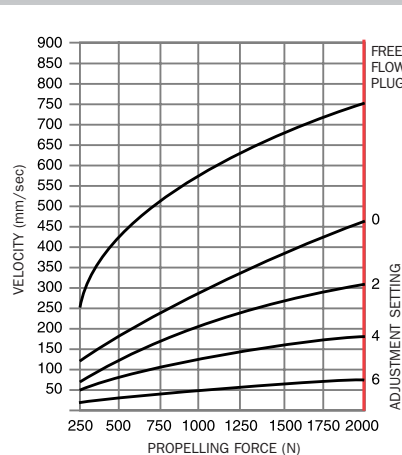
Red lines are model's maximum allowable propelling force.

ADA 500M Series

Compression Mode Adjustment Setting Curve



Tension Mode Adjustment Setting Curve



Damping Force



Position 0 provides minimum damping force. position 8 provides maximum damping force. 180° adjustment with setscrew locking.

After properly sizing the ADA as described on page 68, the adjustment setting can be determined.

- 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 higher or lower than this setting will result in slower or faster damper operation respectively.
- 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 lower adjustment settings and lower velocities are obtained at higher adjustment settings.

EXAMPLE: Double Acting Application

Stroke required:	50mm
Control direction:	Tension and Compression
Propelling force:	1 750 N (tension), 1 750 N (compression)
Selection:	ADA 505M
1. Velocity:	300mm/sec (tension), 150mm/sec (compression)
Intersection point:	Adjustment setting 2 (tension), 4 (compression)
2. Adjustment setting:	2 (tension), 4 (compression)
Velocity:	300mm/sec (tension), 150mm/sec (compression)

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

Rate Controls Accessories

ADA 500M Series

Accessories

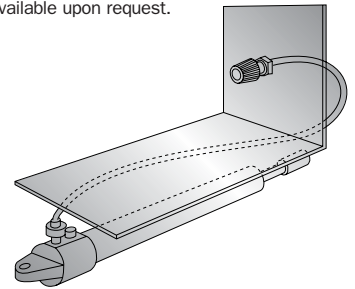
Remote Adjustment Cable

Note: If rotary application, please complete application worksheet on page 81 and forward to Enidine.

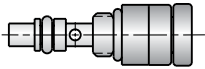
Enidine will custom fit a remote adjustment cable for applications where the ADA unit will be mounted in non-accessible locations. Contact Enidine for more information.



Standard remote adjustment cable length is 1200mm. Optional lengths available upon request.
Note: Remote adjustment cable can be used in a single position only.



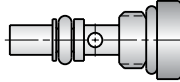
Adjustable Cartridge



Free Flow Plug



Non-Adjustable Cartridge



Catalog No.	Part Number	Accessory Description	LA	Weight (g)
RAC48	1K495748	Remote Adjustment Cable	1 220	191
Notes				
RAC4957	AJ4957325	Adjustable Cartridge		
NAC "x"	NJ"x"4957327	Non-Adjustable Cartridge (0-6)	"x" specify desired setting "0-6". May be used in place of adjustable cartridge.	
CW4957	2L4957302	Cartridge Wrench	For installing adjustable and non-adjustable cartridges.	
FFP4957	PA4957326	Free Flow Plug	Provides least amount of damping force for ADA Models.	

All dimensions in millimeters.

Ordering Information

Example:

10

Select quantity

ADA 505M

Select Catalog No. from Engineering Data chart or Accessory chart

T4

Select Tension Mode
 • T Adjustable
 • T (0-6) Non-Adjustable*
 • P Free Flow

C

Select Compression Mode
 • C Adjustable
 • C (0-6) Non-Adjustable*
 • P Free Flow

*Note: Select adjustment setting (from Adjustment Setting Curve[s]) to be duplicated in non-adjustable cartridge.