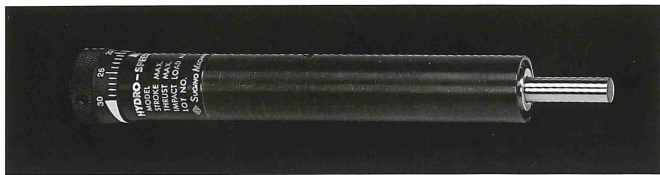


## Hydro Speed Regulators

Hydro speed regulators are designed to control the forward speed (feed rate) of the Selfeeder. Use of a regulator provides adjustable feed rates, faster cycle times, reduces burring, eliminates drill breakage, and prevents sudden forward surges at drill breakthrough. One regulator is required per Selfeeder for drilling operations. Choose from the Spring-return type shown below or the Air-return type shown on page 22.

### Spring Return Type 'RB'

Spring loaded regulators are used primarily for standard drilling operations and are designed to automatically return to their position at the end of every drilling cycle.



With the RB spring return regulator, the piston rod is automatically returned to its original position by the built-in spring when the piston rod is no longer loaded.

### Features:

1. The Regulator is completely sealed to eliminate the need for resupplying the unit with operating oil and will provide stable speed control for many years of production.
2. Installation is easy. No need for piping or wiring.

### Specifications

Model	Applicable Newtric Selfeeder	Max. Stroke in. (mm)	Load Range lbs. (kg)	Range of Speed Control for Each Thrust		Permissible Impact Load Ft. Lbs. (kg•m)	Wgt. (Main Body Only)
				in./sec.	(mm/sec)		
RB-2430	ES2 ES3C ES3P	1.18 (30)	44 - 330 (20 - 150)	F = 44 Lbs. :.01 - .20	F = 20kg : 0.1 - 5	1.80 (0.25)	.90 (0.41)
RB-2460		2.36 (60)		F = 110 Lbs. :.01 - 1.00	F = 50kg : 0.2 - 25		
RB-3140	ES4P ES5	1.57 (40)	110 - 660 (50 - 300)	F = 220 Lbs. :.02 - 1.57	F = 100kg : 0.3 - 40	2.90 (0.4)	2.09 (0.95)
RB-3160		2.36 (60)		F = 330 Lbs. :.02 - 2.00	F = 150kg : 0.4 - 50		
RB-3860*	ES6	2.36 (60)	480 - 990 (220 - 450)	F = 110 Lbs. :.01 - .40	F = 50kg : 0.1 - 10	4.30 (0.6)	3.96 (1.80)
				F = 330 Lbs. :.01 - 1.00	F = 150kg : 0.2 - 25		
				F = 480 Lbs. :.02 - 1.38	F = 220kg : 0.3 - 35		
				F = 660 Lbs. :.02 - 1.57	F = 300kg : 0.5 - 40		
				F = 480 Lbs. :.01 - .59	F = 220kg : 0.2 - 15		
				F = 840 Lbs. :.01 - .98	F = 380kg : 0.3 - 25		
				F = 990 Lbs. :.02 - 1.18	F = 450kg : 0.4 - 30		

### Dimensions: Inches (mm)

RB-2430, RB-2460, RB-3140, RB-3160

RB-3860

Model	Applicable Newtric Selfeeder	A	B	C	D	E	F	G	H	I	J	K	L	M	N
RB-2430	ES2 ES3C ES3P	4.53 (115)	1.10 (28)	.94 (24)	.35 (9)	.79 (20)	1.26 (32)	1.18 (30)	7.87 (200)	1.34 (34)	1.73 (44)	.20 (5)	.59 (15)	1.18 (30)	M5 x 0.8
RB-2460		2.36 (60)						12.24 (311)							
RB-3140	ES4P ES5	5.91 (150)	1.42 (36)	1.22 (31)	.47 (12)	.94 (24)	1.57 (40)	1.57 (40)	10.63 (270)	1.65 (42)	2.28 (58)	.28 (7)	.79 (20)	1.57 (40)	M6 x 1
RB-3160		7.48 (190)						13.03 (331)							
RB-3860	ES6	6.50 (165)	1.73 (44)	1.50 (38)	0.55 (14)	1.34 (34)	1.97 (50)	2.36 (60)	13.78 (350)	1.65 (42)	1.50 (38)	3.70 (94)	.94 (24)	1.93 (49)	.28 (7)

1. Clamping blocks for regulators are available as an option.

### Ordering Example:

One 2.36" stroke Spring Return Regulator & Clamp for Model ES6 Selfeeder.

**Qty. 1 - RB-3860 Regulator with Clamp**

**\*Regulator Mounting Clamps sold separately.**