

DelTorq Universal Actuators

The New DelTorq Series 21 & 2Z
Pneumatic Rack and Pinion Actuators



*Series 21
ISO Drilling (Blue End Caps)*



*Series 2Z
Wide Base Drilling (Red End Caps)*

What makes these actuators unique?

- Base Drilling** : The new DelTorq actuator has a wide variety of base drillings. The series 21 patterns the ISO 5211 standard while the Series 2Z is compatible with a non-standard pattern. Please see the chart below for all available drillings.
- DelTorq Universal Insert** : The DelTorq Universal Insert fits into the splined pinion of the actuator and allows for Direct Mounting of most quarter turn products. See next page for available inserts.

Models, Torques, Bolt Circles				
Actuator Size	Double Acting Torque (in-lbs)*	Spring End Torque (in-lbs)*	Series 21 Bolt Circles	Series 2Z Bolt Circles
045	142	44	F03, F04, F05	N/A
055	248	88	F03, F05, F07	N/A
065	407	142	F05, F07	N/A
075	620	257	F05, F07	3.25"
085	894	354	F05, F07	3.25"
100	1381	531	F07, F10	3.25"
115	2274	858	F07, F10, F12	3.25", 5.00"
125	2956	1106	F10, F12	3.25", 5.00"
150	5106	2177	F10, F12	5.00"
175	7584	3044	F10, F12	4.92" **
200	11558	4655	F12, F16	4.92", 6.50" **

* Torques are given for 80 psi air supply

** Available with blue end caps only

DeTorq Universal Insert

The DeTorq Universal Insert enables adapting of one actuator to several stem configurations, including Double "D", Square, and Round and Keyed. The Series 21 uses inserts that allow for a direct mount to DelVal and Bray butterfly valves as well as ISO ball valves while the Series 2Z utilizes inserts that direct mount to Keystone , ABZ, Demco , Norris , and Weco butterfly valves.



Actuator Size	21Series		2Z Series			
	DelVal/Bray	ISO Square	Keystone/ABZ	Demco	Norris	Weco Square
045	N/A	9 mm 11 mm	N/A	N/A	N/A	N/A
055	.551 x .394	9 mm 11 mm	N/A	N/A	N/A	N/A
065	.551 x .394 .630 x .433	9 mm 11 mm 14 mm	N/A	N/A	N/A	N/A
075	.551 x .394 .630 x .433 .748 x .512	11 mm 14 mm 17 mm	.563 x .375 .625 x .438 .750 x .500	.625 x .375	.686 x .500	5/8"
085	.551 x .394 .630 x .433 .748 x .512	11 mm 14 mm 17 mm	.563 x .375 .625 x .438 .750 x .500	.625 x .375	.686 x .500	5/8"
100	.630 x .433 .748 x .512 .866 x .630	14 mm 17 mm 22 mm	.563 x .375 .625 x .438 .750 x .500 .875 x .625	.625 x .375 .838 x .500	.686 x .500 .875 x .625	5/8"
115	.630 x .433 .748 x .512 .866 x .630	14 mm 17 mm 22 mm	.563 x .375 .625 x .438 .750 x .500 .875 x .625	.625 x .375 .838 x .500	.686 x .500 .875 x .625	5/8"
125	.748 x .512 .866 x .630 1.181 x .866	22 mm	.625 x .438 .750 x .500 .875 x .625	.625 x .375 .838 x .500	.875 x .625	5/8" 7/8"
150	.866 x .630 1.181 x .866 1.38 dia. (RK)	22 mm 27 mm	.750 x .500 .875 x .625 1.125 dia. (RK)	.838 x .500 .963 x .625	.875 x .625 1.062 x .750	7/8" 1 1/8"
175	.866 x .630 1.181 x .866 1.38 dia. (RK)	22 mm 27 mm	.750 x .500 .875 x .625 1.125 dia. (RK)	.838 x .500 .963 x .625	.875 x .625 1.062 x .750	7/8" 1 1/8"
200	1.181 x .866 1.38 dia. (RK) 1.97 dia. (RK)	27 mm 36 mm	Contact Factory	---	---	---

Blank inserts available in all sizes that can be machined by customer to their specific dimensional requirements.

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