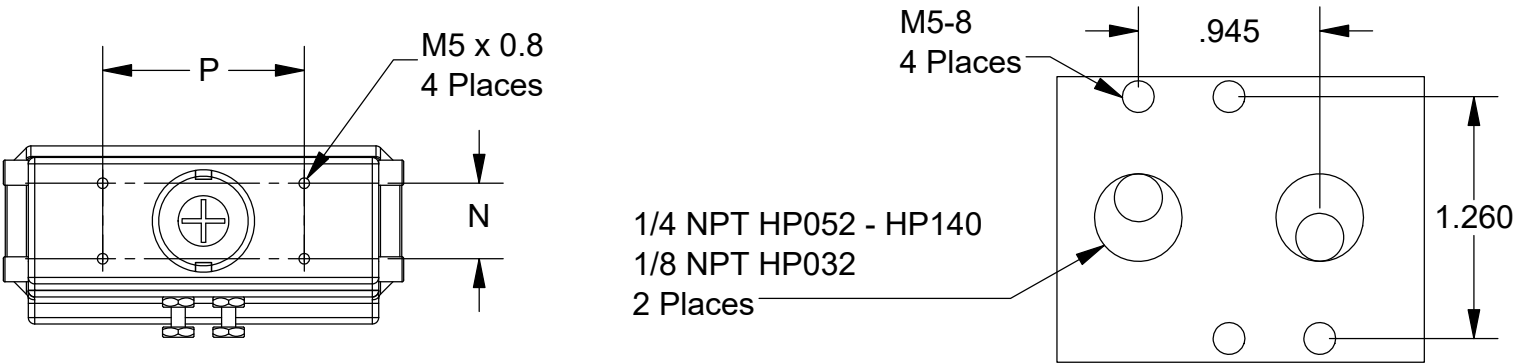
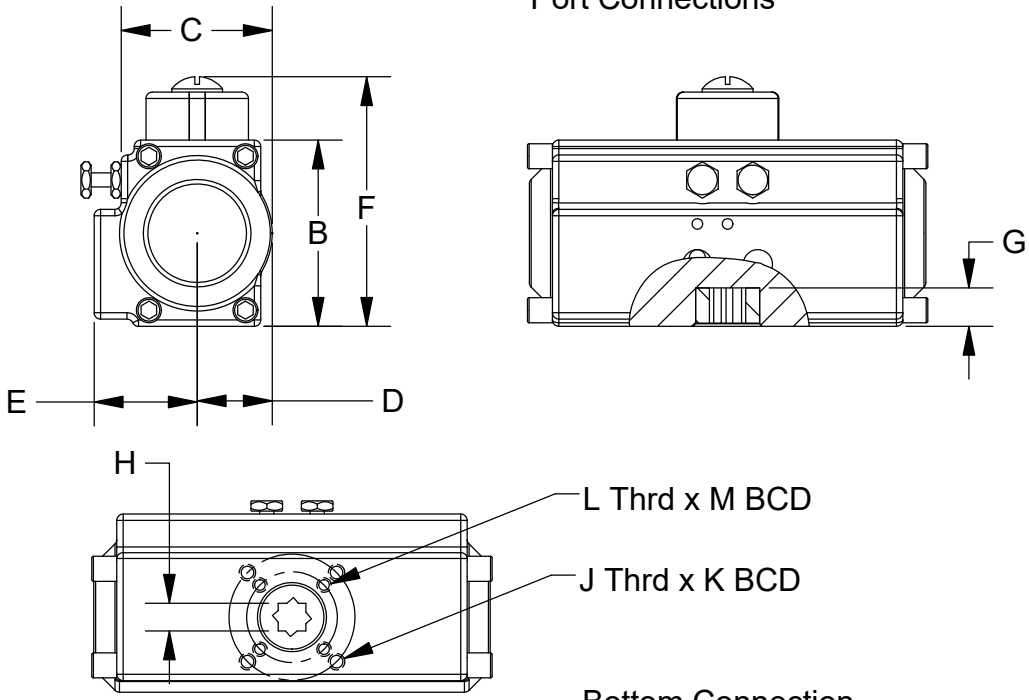
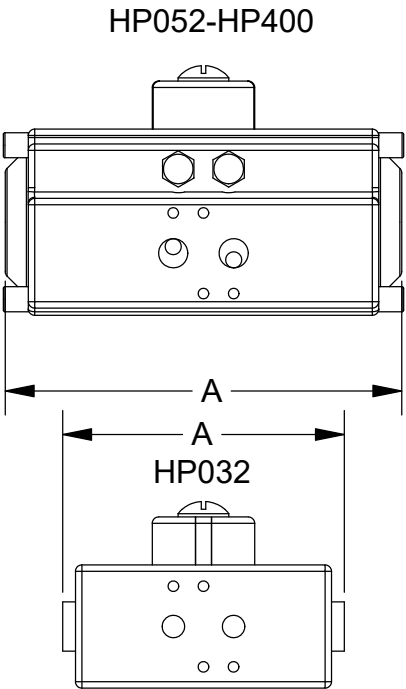


Double Acting	Spring Return	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Wt. lbs
HP032DA	-	4.49	1.81	2.05	.83	1.22	2.56	.43	.354	M5x8	1.417	-	-	.98	1.97	1.10
HP052DA	HP052SR()	6.22	2.91	2.36	1.18	1.61	3.70	.55	.433	M6X11	1.969	M5x10	1.417	1.18	3.15	2.20
HP063DA	HP063SR()	7.48	3.46	2.72	1.42	1.77	4.25	.71	.551	M8x15	2.750	M6x12	1.969	1.18	3.15	3.50
HP064DA	HP064SR()	7.48	3.46	2.72	1.42	1.77	4.25	.71	.551	M5x8	1.654	-	-	1.18	3.15	3.50
HP075DA	HP075SR()	8.11	3.94	3.11	1.65	2.05	4.72	.79	.551	M8x13	2.750	M6x11	1.969	1.18	3.15	5.70
HP083DA	HP083SR()	8.39	4.29	3.46	1.81	2.07	5.08	.79	.669	M8x15	2.750	M6x12	1.969	1.18	3.15	6.80
HP092DA	HP092SR()	10.20	4.72	3.84	2.01	2.26	5.51	.87	.669	M8x13	2.750	M6x12	1.969	1.18	3.15	10.80
HP105DA	HP105SR()	11.18	5.24	4.15	2.26	2.52	6.02	.94	.866	M10x18	4.010	M8x14	2.750	1.18	3.15	14.30
HP125DA	HP125SR()	13.39	6.10	4.74	2.66	2.76	6.89	1.08	.866	M10x18	4.010	M8x14	2.750	1.18	3.15	21.80
HP140DA	HP140SR()	16.30	6.75	5.39	2.99	3.03	7.54	1.26	1.063	M12x22	4.921	M10x18	4.010	1.18	3.15	30.40
HP160DA	HP160SR()	18.74	7.76	6.28	3.41	3.44	8.54	1.34	1.063	M12X22	4.921	M10X18	4.010	1.18	3.15	41.8
HP190DA	HP190SR()	20.63	9.06	7.32	4.06	4.06	10.24	1.57	1.417	M16X23	5.512	--	--	1.18	5.12	61.6
HP210DA	HP210SR()	22.01	10.04	7.95	4.45	4.45	11.22	1.57	1.417	M16X25	5.512	--	--	1.18	5.12	81.4
HP240DA	HP240SR()	26.30	11.47	9.17	5.08	5.08	12.65	1.97	1.811	M20X28	6.496	--	--	1.18	5.12	114.4
HP270DA	HP270SR()	29.29	12.60	10.39	5.75	5.75	13.78	2.24	1.811	M20X28	6.496	--	--	1.18	5.12	187
HP300DA	HP300SR()	32.68	14.25	12.3	7.66	7.66	15.43	2.24	1.811	M20X28	6.496	M16X23	10.0	1.18	5.12	
HP350DA	HP350SR()	36.22	16.26	13.92	8.72	8.72	17.44	2.36	2.165	M20X28	6.496	M16X23	10.0	1.18	5.12	
HP400DA	HP400SR()	39.84	18.31	15.39	9.76	9.76	19.49	2.36	2.165	M20X28	6.496	M16X23	10.0	1.18	5.12	



HP032-HP140
Port Connections



Bottom Connection

Material Specifications
Body.....Aluminum Alloy, Hard Anodized
Piston.....Aluminum Alloy, Hard Anodized
End Cap.....Aluminum Alloy, Epoxy Coated
Drive Shaft.....Steel, Nickel Plated
Seal, O-Rings.....Buna N
Bearings.....Delrin, (PTFE+15%Graphite for HP105-HP140 Thrust Bearings)
Screws.....Stainless Steel
Nuts.....Stainless Steel
Loaded Springs.....Spring Steel, Zinc Phosphate Coated
Operating Pressure.....40 - 100 PSI MAX.
Temperature.....-4°F - 176°F

UNCONTROLLED
DRAWING

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"DA" Torque Ratings lbs.-in.		
ACTUATOR SIZE	AIR IN P.S.I.G.	
	60	80
HP032DA	54	72
HP052DA	142	189
HP063DA	252	336
HP064DA	252	336
HP075DA	409	545
HP083DA	516	688
HP092DA	792	1054
HP105DA	1163	1541
HP125DA	1985	2647
HP140DA	2987	3983
HP160DA	4601	6135
HP190DA	7415	9887
HP210DA	10191	13587
HP240DA	15973	21298
HP270DA	22463	29950
HP300DA	27574	36762
HP350DA	41280	55041
HP400DA	58822	78426

"SR" Torque Ratings -- lbs.-in.							
Actuator Size	NO. Of Spg	Air Supply In psig				Spring Stroke	
		60		80		Start	End
		Start	End	Start	End		
HP052SR()	10 12	76 -	35 -	123 109	79 61	108 129	66 80
HP063SR()	10 12	140 -	64 -	226 201	138 106	194 233	110 133
HP064SR()	10 12	140 -	64 -	226 201	138 106	194 233	110 133
HP075SR()	10 12	214 -	108 -	353 313	238 182	310 372	199 239
HP083SR()	10 12	277 -	150 -	450 402	313 245	376 452	244 293
HP092SR()	10 12	407 -	217 -	672 595	482 366	578 694	388 466
HP105SR()	10 12	625 -	314 -	1008 897	659 509	864 1036	529 635
HP125SR()	10 12	1040 -	525 -	1723 1521	1151 881	1477 1771	925 1110
HP140SR()	10 12	1564 -	789 -	2581 2283	1752 1331	2219 2663	1410 1692
HP160SR()	10 12	2380 --	1206 --	3946 3482	2740 2061	3395 4074	2198 2638
HP190SR()	10 12	3879 --	1907 --	6404 5665	4274 3235	5481 6578	3463 4156
HP210SR()	10 12	5331 --	2712 --	8800 7784	6073 4599	7449 8939	4760 5711
HP240SR()	10 12	8267 --	4340 --	13648 12073	9721 7361	11555 13866	7628 9154
HP270SR()	10 12	12353 --	6171 --	19197 16982	13817 10463	16246 19495	10839 13007
HP300SR()	10 12	14664 --	7982 --	23755 21236	16096 12830	20210 24246	12888 15469
HP350SR()	10 12	21676 --	11050 --	36023 31743	24226 18543	30372 36421	18963 22751
HP400SR()	10 12	31903 --	15137 --	51507 46317	33282 26033	44725 52978	26919 32093

H suffix - High Temperature Option 5°F - 330°F
Viton O-Rings & High Temp Lubricant
H2 suffix - Low Temperature Option -40°F - 176°F
Silicone O-Rings & Low Temp Lubricant

NO. HP - Actuator

FILE NO. SUB299

Pneumatic Actuator

HP Series

DR CMM

DATE 12-19-24

CH'KD MWS

DATE 10-13-15

ENGR MWS

DATE 10-13-15