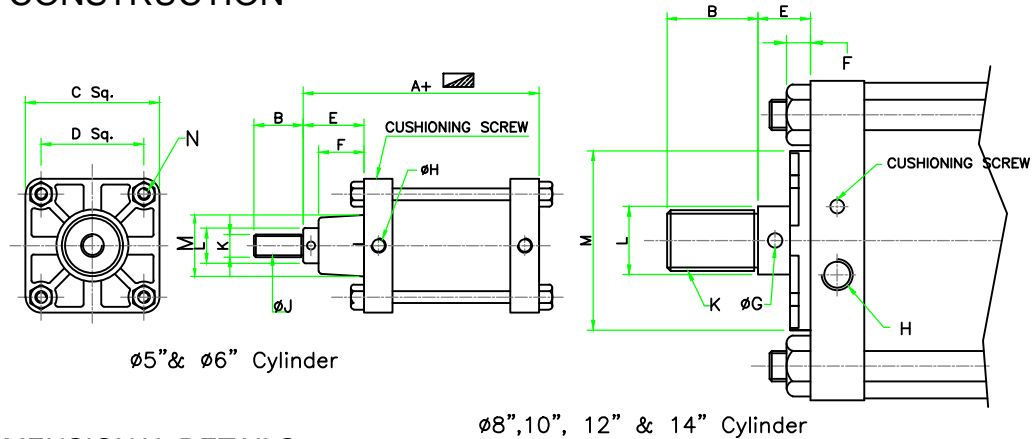


## DOUBLE ACTING LARGE BORE CYLINDER TIE ROD CONSTRUCTION



ø5" & ø6" Cylinder

ø8", 10", 12" & 14" Cylinder

### \* DIMENSIONAL DETAILS

: STROKE OF THE CYLINDER

BORE SIZE	A	B	C	D	E	F	øG	H BSP	K-BSF	*K-Metric Alternate	øL	øM	N-BSF
127 (5")	179	45	140	108	70	45	8	G3/8	1"-10	M27x2	35	65	1/2"-16
152 (6")	194	45	170	130	70	45	8	G1/2	1"-10	M27x2	35	70	5/8"-14
Heavy duty Light duty 203 (8")	205	57	216	168	29	16	8	G3/4	1-1/2"-8	M36x2	45	121	3/4"-12
203 (8")	245	50	220	168	65	35	8	G1/2	1-1/2"-8	M36x2	45	65	5/8"-14
254 (10")	240	76	267	210	43	17	9	G3/4	2"-7	M48x2	57	150	1"-10
304 (12")	286	76	321	246	60	28	9	G1	2"-7	M48x2	57	177	1"-10
354 (14")	286	76	375	292	60	28	9	G1	2"-7	M48x2	57	177	1-1/4"-9

\* We Offer BSF threading on Piston Rod as a standard but metric threads can be provided with prior information on purchase order.

\* Heavy Duty Cylinders in ø354 mm (14") with 57 mm Piston Rod are also offered.

### \* PISTON THRUST CHART

BORE SIZE		AIR PRESSURE (BAR)										FREE AIR CONSUMPTION Liters/25mm stroke
		1	2	3	4	5	6	7	8	9	10	
		THRUST AVAILABBLE (KGF)										
127 (5")	PUSH	102	282	304	406	506	608	710	811	912	1014	2.53
	PULL	94	187	281	375	468	562	655	750	843	937	
152 (6")	PUSH	149	298	447	596	745	894	1043	1192	1342	1497	3.73
	PULL	142	282	424	566	706	848	990	1131	1272	1414	
203 (8")	PUSH	262	523	785	1046	1307	1569	1830	2092	2354	2615	6.54
	PULL	249	498	746	995	1244	1493	1742	1990	2239	2468	
254 (10")	PUSH	406	811	1216	1622	2027	2433	2838	3243	3649	4045	10.14
	PULL	385	770	1155	1540	1925	2310	2695	3090	3465	3850	
304 (12")	PUSH	581	1162	1742	2323	2904	3485	4065	4646	5226	5807	14.52
	PULL	560	1121	1681	2241	2801	3362	3922	4482	5043	5603	
354 (14")	PUSH	792	1568	2376	3168	3960	4752	5543	6335	7127	7919	19.80
	PULL	771	1544	2314	3068	3858	4629	5401	6172	6952	7715	

### NOTE :

To decide Cylinder Bore size :

- \* Establish force required and working pressure available.
- \* Select working pressure on top of the chart.
- \* Select force required by reading down from selected working pressure.
- \* Read out cylinder bore size on left of the chart.

**EXAMPLE :** If it is established that the force required is 150 kg and working pressure available is 7 bar ,above chart will lead you to select 2 1/4" bore Cylinder.