



Diamond Front End Telescopic Cylinder - Eye Type

Features

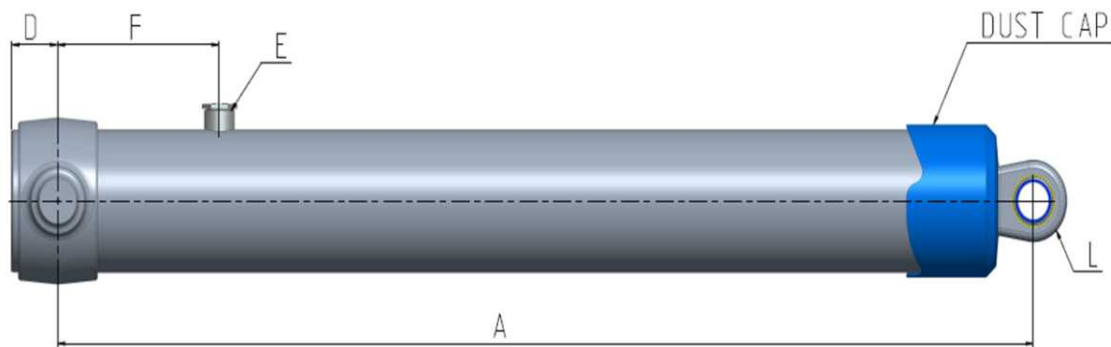
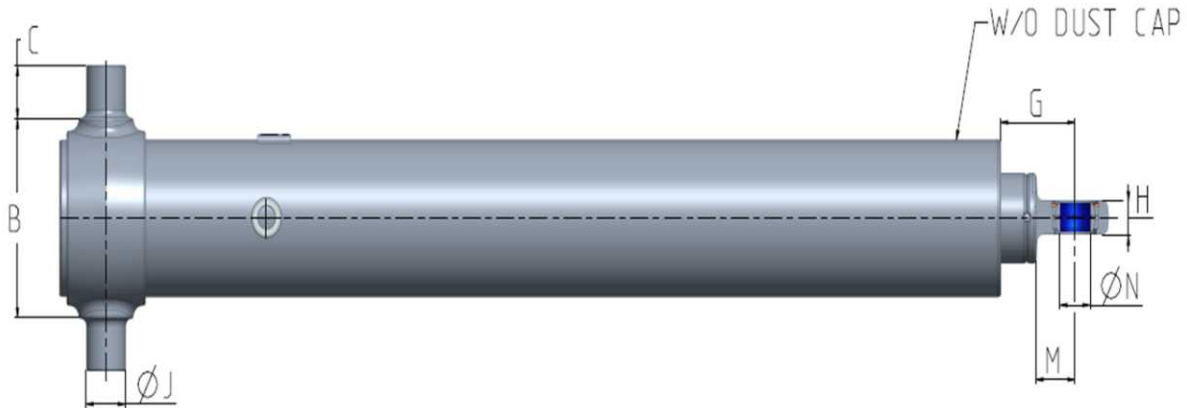
- Piston bearings designed to withstand high compressive and side load
- Bigger size trunnion pins to withstand high bending and shear load
- Special wipers and dust cover to prevent dust entry into the rams
- Secondary sealing systems for leak free rams
- High strength spring steel stoppers to withstand compressive and side load
- Wider piston bearings and rod guides to support rams under dynamic load
- External stopper rings to take relief pressure load at stroke end
- Positive locking for rod eye threads to arrest loosening
- Maintenance free steel on PTFE spherical bearings to take care of misalignments

Diamond Front End Telescopic Cylinder - Cover Type

MODEL	DIMENSIONS												SPECIFICATIONS					
	A	B	C	D	E	F	G	H	ØJ	ØN	L	M	Stroke (mm)	Working Stages	Working Volume(Lts)	Pressure (Bar)	Weight (kgs)	Tipping Weight(ton)
DFE 110-3-2490	1160	163	65	60	1" BSP /SAE	265	105	42	65	50	52	65	2490	3	17.0	190	93.0	22-30
DFE 110-3-2731	1195	163	65	60	1" BSP /SAE	265	96	42	65	50	52	65	2731	3	18.2	190	95.0	22-30
DFE 110-3-2770	1255	163	65	60	1" BSP /SAE	265	101	42	65	50	52	65	2770	3	18.5	190	98.1	22-30
DFE 110-3-2899	1255	163	65	60	1" BSP /SAE	265	101	42	65	50	52	65	2899	3	19.3	190	98.1	22-30
DFE 110-3-2915	1255	163	65	60	1" BSP /SAE	265	90	42	65	50	52	65	2915	3	19.6	190	98.4	22-30
DFE 110-3-3000	1310	163	65	60	1" BSP /SAE	270	85	42	65	50	52	65	3000	3	20.0	190	102.0	22-30
DFE 110-3-3159	1382	163	65	60	1" BSP /SAE	190	102	42	65	50	52	65	3159	3	21.1	190	106.6	22-30
DFE 110-3-3159	1375	163	65	60	1" BSP /SAE	265	95	42	65	50	52	65	3159	3	21.4	190	105.0	22-30
DFE 110-3-3300	1412	163	65	60	1" BSP /SAE	265	100	42	65	50	52	65	3300	3	22.3	190	108.8	22-30
DFE 129-3-3065	1480	201	67	51	1" BSP /SAE	190	90	42	65	50	52	65	3065	3	34.2	190	130.2	35-45
DFE 129-3-3400	1429	201	67	51	1" BSP /SAE	265	97	42	65	50	52	65	3400	3	33.0	190	132.9	35-45
DFE 129-3-3460	1429	201	67	51	1" BSP /SAE	265	88	42	60	50	52	65	3460	3	33.5	190	132.2	35-45
DFE 129-3-3571	1480	201	67	51	1" BSP /SAE	190	91	42	65	50	52	65	3571	3	34.7	190	136.5	35-45
DFE 129-3-3640	1509	201	67	51	1" BSP /SAE	265	97	42	65	50	52	65	3640	3	35.3	190	139.1	35-45
DFE 129-3-3880	1590	201	67	51	1" BSP /SAE	265	102	42	60	50	52	65	3880	3	37.3	190	145.3	35-45
DFE 129-4-5000	1540	201	67	51	1" BSP /SAE	170	91	42	60	50	52	65	5000	4	41.2	190	156.9	35-45
DFE 149-3-3295	1625	201	67	51	1" BSP /SAE	265	97	42	65	50	55	65	3295	3	50.6	190	178.4	40-50
DFE 149-3-3501	1517	201	67	51	1" BSP /SAE	265	96	42	65	50	55	65	3501	3	46.9	190	166.4	40-50
DFE 149-3-3518	1460	201	67	51	1" BSP /SAE	265	84	42	65	50	55	65	3518	3	46.9	190	160.8	40-50
DFE 149-3-3551	1480	201	67	51	1" BSP /SAE	265	91	42	65	50	55	65	3551	3	47.3	190	162.0	40-50
DFE 149-3-3670	1530	201	67	51	1" BSP /SAE	265	96	42	65	50	55	65	3670	3	49.0	190	169.0	40-50
DFE 149-3-3792	1645	201	67	51	1" BSP /SAE	265	97	42	65	50	55	65	3792	3	50.5	190	176.5	40-50
DFE 149-3-3880	1624	201	67	51	1" BSP /SAE	270	96	42	65	50	55	65	3880	3	51.8	190	177.3	40-50
DFE 149-3-4040	1650	201	67	51	1" BSP /SAE	265	97	42	65	50	55	65	4040	3	54.0	190	177.8	40-50
DFE 149-3-4250	1719	201	67	51	1" BSP /SAE	265	96	42	65	50	55	65	4250	3	56.7	190	180.0	40-50
DFE 149-4-4250	1356	201	67	51	1" BSP /SAE	265	92	42	65	50	52	65	4250	4	41.5	190	167.1	40-50
DFE 149-4-4525	1465	201	67	51	1" BSP /SAE	265	97	42	65	50	52	65	4525	4	52.6	190	179.5	40-50
DFE 149-4-4710	1504	201	67	51	1" BSP /SAE	190	97	42	60	50	52	65	4710	4	55.5	190	183.0	40-50
DFE 149-4-4710	1504	201	67	51	1" BSP /SAE	265	97	42	65	50	52	65	4710	4	55.5	190	182.6	40-50
DFE 149-4-4980	1510	201	67	51	1" BSP /SAE	190	89	42	60	50	52	65	4980	4	57.8	190	184.0	40-50
DFE 169-3-3551	1480	245	65	75	1" BSP /SAE	265	105	42	65	50	55	75	3551	3	63.0	190	197.5	45-55
DFE 169-4-4505	1429	245	65	75	1" BSP /SAE	290	119	42	65	50	55	65	4505	4	71.0	190	204.4	45-55
DFE 169-4-4617	1452	245	65	75	1" BSP /SAE	265	110	42	65	50	55	65	4617	4	72.0	190	223.9	45-55
DFE 169-4-4630	1620	245	65	75	1" BSP /SAE	190	123	42	65	50	55	65	4630	4	76.1	190	242.6	45-55
DFE 169-4-4700	1605	245	65	75	1" BSP /SAE	265	95	42	65	50	55	65	4700	4	80.0	190	237.0	45-55
DFE 169-4-4825	1509	245	65	75	1" BSP /SAE	240	121	42	65	50	55	65	4825	4	75.3	190	224.2	45-55
DFE 169-4-4825	1509	245	65	75	1" BSP /SAE	215	121	42	65	50	55	65	4825	4	75.3	190	224.2	45-55
DFE 169-4-5080	1585	245	65	75	1" BSP /SAE	265	120	42	65	50	55	65	5080	4	79.8	190	240.0	45-55
DFE 169-4-5180	1585	245	65	75	1" BSP /SAE	265	108	42	65	50	55	65	5180	4	81.4	190	242.0	45-55
DFE 169-4-5180	1585	245	65	75	1" BSP /SAE	190	108	42	65	50	55	65	5180	4	81.4	190	242.0	45-55
DFE 169-5-5030	1269	245	65	75	1" BSP /SAE	190	86	42	60	50	52	65	5030	5	69.1	190	210.0	45-55
DFE 169-5-5030	1269	245	65	75	1" BSP /SAE	290	86	42	60	50	52	65	5030	5	69.1	250	212.1	45-55
DFE 169-5-5030	1300	245	65	75	1" BSP /SAE	290	90	42	60	50	52	65	5030	5	69.2	190	216.2	45-55
DFE 169-5-5355	1374	245	65	75	1" BSP /SAE	270	121	42	60	50	52	65	5355	5	73.2	190	219.9	45-55
DFE 169-5-5405	1375	245	65	75	1" BSP /SAE	270	112	42	65	50	52	65	5405	5	74.5	190	230.3	45-55
DFE 169-5-5430	1360	245	65	75	1" BSP /SAE	270	92	42	65	50	52	65	5430	5	73.2	190	228.2	45-55
DFE 169-5-5800	1428	245	65	75	1" BSP /SAE	190	91	42	60	50	52	65	5800	5	80.0	190	234.8	45-55
DFE 169-5-5830	1450	245	65	75	1" BSP /SAE	270	123	42	65	50	52	65	5830	5	81.0	190	220.3	45-55
DFE 169-5-6230	1539	245	65	75	1" BSP /SAE	290	111	42	60	50	52	65	6230	5	86.2	190	324.0	45-55
DFE 169-5-6501	1583	245	65	75	1" BSP /SAE	190	101	42	60	50	52	65	6501	5	89.5	190	253.6	45-55
DFE 169-5-6580	1649	245	65	75	1" BSP /SAE	290	139	42	60	50	52	65	6580	5	90.7	190	258.8	45-55
DFE 169-5-6830	1649	245	65	75	1" BSP /SAE	290	93	42	60	50	52	65	6830	5	94.0	190	266.6	45-55
DFE 191-4-5355	1621	245	65	75	1" BSP /SAE	190	100	42	65	50	62	75	5355	4	111.2	190	289.0	50-60
DFE 191-5-5200	1347	245	65	75	1" BSP /SAE	290	105	42	65	50	55	65	5200	5	94.4	190	264.6	50-60
DFE 191-5-5355	1360	245	65	75	1" BSP /SAE	400	90	42	60	50	55	65	5355	5	100.0	190	269.7	50-60
DFE 191-5-5445	1360	245	65	75	1" BSP /SAE	270	90	42	65	50	55	65	5445	5	100.0	190	266.4	50-60
DFE 191-5-6019	1508	245	65	75	1" BSP /SAE	270	142	42	65	50	55	65	6019	5	110.0	190	287.0	50-60
DFE 191-5-6025	1512	245	65	75	1" BSP /SAE	270	105	42	65	50	55	65	6025	5	109.0	190	293.5	50-60

Diamond Front End Telescopic Cylinder - Cover Type

MODEL	DIMENSIONS												SPECIFICATIONS					
	A	B	C	D	E	F	G	H	ØJ	ØN	L	M	Stroke (mm)	Working Volume(Lts)	Pressure (Bar)	Weight (kgs)	Tipping Weight(ton)	
DFE 191-5-6207	1530	245	65	75	1" BSP/SAE	270	105	42	65	50	55	65	6207	5	112.8	190	297.2	50-60
DFE 191-5-6207	1530	245	65	75	1" BSP/SAE	240	105	42	65	50	55	65	6207	5	112.8	190	297.2	50-60
DFE 191-5-6514	1607	245	65	75	1" BSP/SAE	270	122	42	65	50	55	65	6514	5	119.0	190	306.8	50-60
DFE 214-5-6180	1517	270	65	85	1" BSP/SAE	180	97	52	65	60	62	75	6180	5	146.0	190	372.7	60-70
DFE 214-5-7130	1707	270	65	85	1" BSP/SAE	240	97	52	65	60	62	75	7130	5	168.0	190	402.3	60-70



Notes:

Note- Minimum cylinder mounting dimension, $K = A + 20\text{mm}$

- SAE Port Optional
- All dimensions are in mm
- Subject to change without notice

● **Wipro Infrastructure Engineering**

(T) +91 (80) 3929 2111
 (F) +91 (80) 3929 4080
 (E) winsales.india@wipro.com
 (W) wiproinfra.com