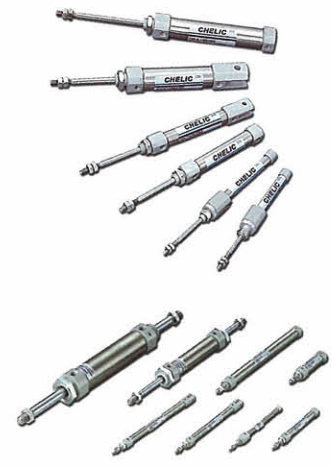


DSNA series PEN CYLINDER



Model	Bore Size Ø mm	Theoretical Thrust Kgf	Operation	Mounting Type	Speed Range mm/s	Pressure Range Kgf/cm ² (Kpa)	Standard Stroke mm
DSNA - 10	10	3.0	Double Acting	Standard Type FA Type LB Type CA Type	50~700	7 (700)	15,30,45,60, 75,100,125, 150,175,200
DSNA - 16	16	10					
DSNR - 06	6	1.4					
DSNR - 10	10	3.0					
DSNR - 16	16	10					
DSNB - 10	10	3.0					
DSNB - 16	16	10	Single Acting Normally In	Standard Type FA Type LB Type CA Type	50~700	7 (700)	15,30,45,60
DSND - 10	10	3.0					
DSND - 16	16	10					
ESNA - 10	10	4.0					
ESNA - 16	16	10					
ESNR - 06	6	1.4					
ESNR - 10	10	3.0	Single Acting Normally Out	Standard Type FA Type LB Type CA Type	50~700	7 (700)	15,30,45,60
ESNR - 16	16	10					
ESNB - 10	10	3.0					
ESNB - 16	16	10					
ESND - 06	6	1.0	Single Acting Normally Out	Standard Type FA Type LB Type CA Type	50~700	7 (700)	15,30,45,60
ESND - 10	10	3.0					
ESND - 16	16	10					

Note : Theoretical Thrust : When air supply to be 5 Kgf/cm²

DSB series MINIATURE CYLINDER (Stainless Steel Tube)



Model	Bore Size Ø mm	Theoretical Thrust Kgf	Operation	Mounting Type	Speed Range mm/s	Pressure Range Kgf/cm ² (Kpa)	Standard Stroke mm
DSB-12	12	5.7	Standard : Double Acting	Standard Type FA Type FB Type LB Type CB Type	50~700	1~7 (100~700)	25~150
DSB-16	16	10					25~300
DSB-20	20	15					25~300
DSB-25	25	24					25~300
DSB-32	32	40					25~300
DSB-40	40	62	25~300				
DSBD-20	20	13	Double Acting (Double Rod)	Standard Type FA Type FB Type LB Type	50~700	1~7 (100~700)	25~200
DSBD-25	25	20					
DSBD-32	32	34					
DSBD-40	40	52					
DSBL-20	20	13	Double Acting (Adjustable stroke)	Standard Type FA Type FB Type LB Type CB Type	50~700	1~7 (100~700)	Adjustable Stroke 25,50
DSBL-25	25	20					
DSBL-32	32	34					
DSBL-40	40	52					
DSBF(M) - 20	20	13 (26)	DSBF: Multi-position cylinder DSBM: Tandem cylinder		50~700	1~7 (100~700)	Max.Stroke: 200mm
DSBF(M) - 25	25	20 (40)					
DSBF(M) - 32	32	34 (68)					
DSBF(M) - 40	40	52 (104)					

Note : Theoretical Thrust : When air supply to be 5 Kgf/cm²

DSC series MINIATURE CYLINDER (Stainless Steel Tube)



Model	Bore Size Ø mm	Theoretical Thrust Kgf	Operation	Mounting Type	Speed Range mm/s	Pressure Range Kgf/cm ² (Kpa)	Standard Stroke mm
DSC - 20	20	15	Standard : Double Acting	Standard Type FA Type FB Type LB Type CB Type	50~700	1~7 (100~700)	25~300
DSC - 25	25	24					25~300
DSC - 32	32	40					25~300
DSC - 40	40	62					(500)
DSCD - 20	20	13	Double Acting (Double Rod)	Standard Type FA Type FB Type LB Type CB Type	50~700	1~7 (100~700)	25~200
DSCD - 25	25	20					
DSCD - 32	32	34					
DSCD - 40	40	52					
DSCL - 20	20	13	Double Acting (Adjustable stroke)	Standard Type FA Type FB Type LB Type CB Type	50~700	1~7 (100~700)	Adjustable Stroke 25,50
DSCL - 25	25	20					
DSCL - 32	32	34					
DSCL - 40	40	52					

Note : Theoretical Thrust : When air supply to be 5 Kgf/cm²

DSE series BLOCK CYLINDER



Model	Bore Size Ø mm	Theoretical Thrust Kgf	Operation	Mounting Type	Speed Range mm/s	Pressure Range Kgf/cm ² (Kpa)	Standard Stroke mm
DSE - 20	20	15	Double Acting	Side Mount	50~700	1~7 (100~700)	25~300 (500)
DSE - 25	25	24					
DSE - 32	32	40					
DSE - 40	40	62					

Note : 1. Theoretical Thrust :When air supply to be 5 Kgf/cm².
2. Bore size change from Ø30 to Ø32.
3. The material of barrel change from aluminum to stainless steel.

DSF series BLOCK CYLINDER



Model	Bore Size Ø mm	Theoretical Thrust Kgf	Operation	Mounting Type	Speed Range mm/s	Pressure Range Kgf/cm ² (Kpa)	Standard Stroke mm
DSF - 20	20	15	Double Acting	Vertical Mount	50~700	1~7 (100~700)	25~300 (500)
DSF - 25	25	24					
DSF - 32	32	40					
DSF - 40	40	62					

Note : 1. Theoretical Thrust :When air supply to be 5 Kgf/cm².
2. Bore size change from Ø30 to Ø32.
3. The material of barrel change from aluminum to stainless steel.

DSG series MINIATURE CYLINDER (Aluminum Tube)



Model	Bore Size Ø mm	Theoretical Thrust Kgf	Operation	Mounting Type	Speed Range mm/s	Pressure Range Kgf/cm ² (Kpa)	Standard Stroke mm
DSG - 20	20	15	Standard : Double Acting	Standard Type FA Type FB Type LB Type CB Type	50~700	1~9 (100~900)	25~300
DSG - 30	30	40					
DSG - 40	40	62					
DSGD - 20	20	13	Double Acting (Double Rod)	Standard Type FA Type FB Type LB Type CB Type	50~700	1~9 (100~900)	25~300 (500)
DSGD - 30	30	40					
DSGD - 40	40	52					

Note : Theoretical Thrust : When air supply to be 5 Kgf/cm²

DSH series BLOCK TWINROD CYLINDER



Model	Bore Size Ø mm	Theoretical Thrust Kgf	Mounting type	Non-Rotating Accuracy θ	Speed Range mm/s	Pressure Range Kgf/cm ² (Kpa)	Standard Stroke mm
DSH - 25	25	24	Vertical Parallel Side	±0.1	50~700	1~9 (100~900)	25~300 (500)
DSH - 30	30	34		±0.09			
DSH - 40	40	62		±0.08			

Note : 1. Non-Rotating Accuracy θ angle when stroke =100mm.
2. Theoretical Thrust : When air supply to be 5 Kgf/cm²

AIRINN products
Related Calculation
Common Caution
Air unit
Valve
Cylinder
Gripper
Vacuum Equipment
Fitting
Accessories
Assembly pick and place robot