

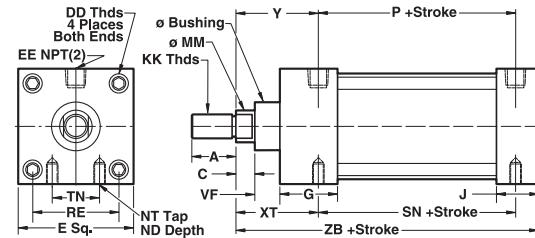


SPEEDAIRE®

NFPA Square-Head Tie Rod Steel Cylinders

- Max. operating pressure: 250 psi
- Temp. range: -20° to 200°F

These cylinders offer full range of NFPA interchangeable mounting configurations. Cushioned cylinders have a fully adjustable cushion.



Bore Dia.	A	C	E	G	J	P	Y	Dimensions (in)										
						DD	EE	KK	MM	NT	RE	SN	TN	VF	XT	ZB		
1½	0.750	0.375	2.000	1.500	1.000	2.340	1.875	½-28	½ NPT	½-20	0.625	½-20	1.428	2.250	0.625	1.938	4.625	
2	0.750	0.375	2.500	1.500	1.000	2.340	1.875	½-24	½ NPT	½-20	0.625	½-18	1.838	2.250	0.875	0.625	1.938	4.625
2½	0.750	0.375	3.000	1.500	1.000	2.470	1.875	½-24	½ NPT	½-20	0.625	¾-16	2.192	2.375	1.250	0.625	1.938	4.750
3¼	1.125	0.500	3.750	1.750	1.250	2.690	2.438	¾-20	¾ NPT	¾-16	1.000	½-13	2.937*	2.625	1.500	0.875	2.438	5.625
4	1.125	0.500	4.500	1.750	1.250	2.690	2.438	¾-20	¾ NPT	¾-16	1.000	½-13	3.562*	2.625	2.063	0.875	2.438	5.625
6	1.625	0.625	6.500	2.000	1.500	3.125	2.813	½-20	½ NPT	1-14	1.375	¾-10	4.879	3.125	3.250	1.000	2.813	6.625

* Does not meet NFPA mounting dimensions.

► CHOOSE: Stroke

Bore Dia.	Item No.
Non-Cushioned	
1½ in	D8169
2 in	D8177
2½ in	D8185
3¼ in	D8193
4 in	D8201
Adjustable Cushion	
8 in, 6 in, 6½ in, 7 in, 7½ in, 8½ in, 9 in, 9½ in	D8171
10 in, 10½ in, 11 in, 11½ in, 12 in, 12½ in, 13 in, 13½ in, 14 in, 14½ in	D8172
15 in, 15½ in, 16 in, 16½ in, 17 in, 17½ in, 18 in, 18½ in, 19 in, 19½ in	D8173
20 in, 20½ in, 21 in, 21½ in, 22 in, 22½ in, 23 in,	D8174
23½ in, 24 in, 24½ in, 25 in, 25½ in	
26 in, 26½ in, 27 in, 27½ in, 28 in, 28½ in, 29 in, 29½ in, 30 in, 30½ in	D8175
31 in, 31½ in, 32 in, 32½ in, 33 in, 33½ in, 34 in, 34½ in, 35 in, 35½ in, 36 in	D8176
8 in, 10 in, 6½ in, 7 in, 7½ in, 8½ in, 9 in, 9½ in	D8178
10½ in, 11 in, 11½ in, 12 in, 12½ in, 13 in, 13½ in, 14 in, 14½ in	D8179
15 in, 15½ in, 16 in, 16½ in, 17 in, 17½ in, 18 in, 18½ in, 19 in, 19½ in	D8181
20 in, 20½ in, 21 in, 21½ in, 22 in, 22½ in, 23 in,	D8182
23½ in, 24 in, 24½ in, 25 in, 25½ in	
26 in, 26½ in, 27 in, 27½ in, 28 in, 28½ in, 29 in, 29½ in, 30 in, 30½ in	D8183
31 in, 31½ in, 32 in, 32½ in, 33 in, 33½ in, 34 in, 34½ in, 35 in, 35½ in, 36 in	D8184
8 in, 6 in, 6½ in, 7 in, 7½ in, 8½ in, 9 in, 9½ in	D8186
10 in, 10½ in, 11 in, 11½ in, 12 in, 12½ in, 13 in, 13½ in, 14 in, 14½ in	D8187
15 in, 15½ in, 16 in, 16½ in, 17 in, 17½ in, 18 in, 18½ in, 19 in, 19½ in	D8188
20 in, 20½ in, 21 in, 21½ in, 22 in, 22½ in, 23 in,	D8189
23½ in, 24 in, 24½ in, 25 in, 25½ in	
26 in, 26½ in, 27 in, 27½ in, 28 in, 28½ in, 29 in, 29½ in, 30 in, 30½ in	D8191
31 in, 31½ in, 32 in, 32½ in, 33 in, 33½ in, 34 in, 34½ in, 35 in, 35½ in, 36 in	D8192

► CHOOSE: Stroke

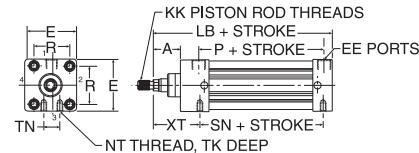
Bore Dia.	Item No.
8 in, 6 in, 6½ in, 7 in, 7½ in, 8½ in, 9 in, 9½ in	D8194
10 in, 10½ in, 11 in, 11½ in, 12 in, 12½ in, 13 in, 13½ in, 14 in, 14½ in	D8195
15 in, 15½ in, 16 in, 16½ in, 17 in, 17½ in, 18 in, 18½ in, 19 in, 19½ in	D8196
20 in, 20½ in, 21 in, 21½ in, 22 in, 22½ in, 23 in,	D8197
23½ in, 24 in, 24½ in, 25 in, 25½ in	
26 in, 26½ in, 27 in, 27½ in, 28 in, 28½ in, 29 in, 29½ in, 30 in, 30½ in	D8198
31 in, 31½ in, 32 in, 32½ in, 33 in, 33½ in, 34 in, 34½ in, 35 in, 35½ in, 36 in	D8199
8 in, 6 in, 6½ in, 7 in, 7½ in, 8½ in, 9 in, 9½ in	D8202
10 in, 10½ in, 11 in, 11½ in, 12 in, 12½ in, 13 in, 13½ in, 14 in, 14½ in	D8203
15 in, 15½ in, 16 in, 16½ in, 17 in, 17½ in, 18 in, 18½ in, 19 in, 19½ in	D8204
20 in, 20½ in, 21 in, 21½ in, 22 in, 22½ in, 23 in,	D8205
23½ in, 24 in, 24½ in, 25 in, 25½ in	
26 in, 26½ in, 27 in, 27½ in, 28 in, 28½ in, 29 in, 29½ in, 30 in, 30½ in	D8206
31 in, 31½ in, 32 in, 32½ in, 33 in, 33½ in, 34 in, 34½ in, 35 in, 35½ in, 36 in	D8206
4 in, ½ in, 1½ in, 2 in, 2½ in, 3½ in, 4½ in, 5 in, 5½ in	D8208
8 in, 6 in, 6½ in, 7 in, 7½ in, 8½ in, 9 in, 9½ in	D8209
10 in, 12 in, 10½ in, 11 in, 11½ in, 12 in, 12½ in, 13 in, 13½ in, 14 in, 14½ in	D8211
15 in, 15½ in, 16 in, 16½ in, 17 in, 17½ in, 18 in, 18½ in, 19 in, 19½ in	D8212
20 in, 20½ in, 21 in, 21½ in, 22 in, 22½ in, 23 in,	D8213
23½ in, 24 in, 24½ in, 25 in, 25½ in	
26 in, 26½ in, 27 in, 27½ in, 28 in, 28½ in, 29 in, 29½ in, 30 in, 30½ in	D8214
31 in, 31½ in, 32 in, 32½ in, 33 in, 33½ in, 34 in, 34½ in, 35 in, 35½ in, 36 in	D8215

SPEEDAIRE®

NFPA Extruded Aluminum Air Cylinders

- Max. operating pressure: 250 psi
- Operating temp. range: -10° to 165°F
- Switch ready
- Cushions: standard and adjustable at both ends on 7" and larger stroke lengths

Feature industry-standard footprint, which allows interchangeability with other NFPA-style cylinders of either tie-rod or extruded construction. Advantages include clean appearance and fewer spaces for dirt and debris to collect.



Bore Dia.	A	E	P	R	EE	Dimensions (in)						
					KK	LB	NT	TK	TN	SN	XT	
1½	1.000	2.000	2.313	1.430	¾	½-20	4.625	4-20	0.375	0.625	2.250	1.938
2	1.000	2.500	2.313	1.840	¾	½-20	4.625	¾-18	0.438	0.875	2.250	1.938
2½	1.000	3.000	2.375	2.190	¾	½-20	4.750	¾-16	0.625	1.250	2.375	1.938
3¼	1.375	3.750	2.625	2.760	½	¾-16	5.625	¾-13	0.750	1.500	2.625	2.438
4	1.375	4.500	2.625	3.320	½	¾-16	5.625	½-13	0.750	2.063	2.625	2.438
5	1.375	5.500	2.875	4.100	½	¾-16	5.875	¾-11	0.938	2.688	2.875	2.438

► CHOOSE: Stroke

Bore Dia.	Item No.
Cylinders	
1½ in	D8529
5 in, 5½ in, 6 in, 6½ in, 7 in, 7½ in, 8 in, 8½ in	D8531
9½ in, 10 in, 10½ in, 11 in, 11½ in, 12 in, 12½ in	D8532
1 in, 1½ in, 2 in, 2½ in, 3 in, 3½ in, 4 in, 4½ in	D8533
5 in, 5½ in, 6 in, 6½ in, 7 in, 7½ in, 8 in, 8½ in	D8534
9 in, 9½ in, 10 in, 10½ in, 11 in, 11½ in, 12 in, 12½ in	D8535
1 in, 2 in, 2½ in, 3 in, 3½ in, 4 in, 4½ in	D8536
5 in, 5½ in, 6 in, 6½ in, 7 in, 7½ in, 8 in, 8½ in	D8537
9 in, 10 in, 10½ in, 11 in, 11½ in, 12 in, 12½ in	D8538
2 in, 3 in, 3½ in, 4 in, 4½ in	D8539
5 in, 5½ in, 6 in, 6½ in, 7 in, 7½ in, 8 in, 8½ in	D8541
9 in, 9½ in, 10 in, 10½ in, 11 in, 11½ in, 12 in, 12½ in	D8542
13 in, 14 in, 14½ in, 15 in, 16 in, 17 in, 18 in	D8543
19 in, 20 in, 24 in	D8544
30 in, 36 in	D8545
2 in, 3 in, 3½ in, 4 in, 4½ in	D8546
5 in, 5½ in, 6 in, 6½ in, 7 in, 7½ in, 8 in, 8½ in	D8547
9 in, 9½ in, 10 in, 10½ in, 11 in, 11½ in, 12 in, 12½ in	D8548
13 in, 13½ in, 14 in, 14½ in, 15 in, 15½ in, 16 in, 16½ in	D8549
16 in, 17 in, 17½ in, 18 in, 18½ in	
19 in, 19½ in, 20 in, 21 in, 22 in, 23 in, 24 in	D8551
30 in, 36 in	D8552
Mount Type	
Cylinder Mounting Hardware	
1½ in	36NK59
2 in	36NK60
2½ in	36NK61
3½ in	36NK62
4 in	36NK63
5 in	36NK64
1½ in	5VLX8
2 in	5VLX9
2½ in	5VLY0
3½ in	5VLY6
4 in	5VLY7
Rear Detachable Clevis	
1½ in, 2 in, 2½ in	36NK65
3½ in, 4 in, 5 in	5VLX7
1½ in, 2 in, 2½ in	5VLY1
3½ in, 4 in, 5 in	5VLY3
1½ in, 2 in, 2½ in	5VLY2
3½ in, 4 in, 5 in	5VLY5
Rectangular Flange Bracket	
1½ in	5VLX1
2 in	5VLX2
2½ in	5VLY4
3½ in	5VLY5
4 in	5VLY6
4 in Bore, 4 in Bore	5VLY7

► CHOOSE: Stroke

Bore Dia.	Fits	Item No.	Mount Type	Fits	Item No.
1½ in	½-20	36NK59	Rod Clevis	1½ in, 2 in, 2½ in	36NK65
2 in	½-20	36NK60	Wall Mount	3½ in, 4 in, 5 in	5VLX7
2½ in	½-20	36NK61	Clevis Bracket	1½ in, 2 in, 2½ in	5VLY1
3½ in	½-20	36NK62	Eye Bracket	3½ in, 4 in, 5 in	5VLY3
4 in	½-20	36NK63		1½ in, 2 in, 2½ in	5VLY2
1½ in	½-20	5VLX8		3½ in, 4 in, 5 in	5VLX5
2 in	½-20	5VLX9		1½ in, 2 in, 2½ in	5VLY4
2½ in	½-20	5VLY0		3½ in, 4 in, 5 in	5VLY5
3½ in	½-20	5VLY6		4 in Bore, 4 in Bore	5VLY7
4 in	½-20	5VLY7			