



SpiraQuad Gauge & Reinforcement Table for 1/2" w.g.

PER SMACNA D.C.S. 2005 CHAPTER 11 FUNCTIONAL CRITERIA

Duct Dimension	Connector Option	Up to 20' Joints w/ CFSQ (T-25 Connector)					
		Internal Reinforcement			Alternate External Reinforcement		
		Min GA. / Profile	Joint Reinf.	Intermediate Reinf.	Alternate Min. GA.	Joint Reinf.	Intermediate Reinf.
10" and under	CPSQ	26 - 6C					
11" - 12"	CPSQ	26 - 6C					
13" - 14"	CPSQ	26 - 6C					
15" - 16"	CPSQ	26 - 6C					
17" - 18"	CPSQ	26 - 6C					
19" - 20"	CPSQ	26 - 6C					
21" - 22"	CPSQ	26 - 6C					
23" - 24"	CPSQ	26 - 6C					
25" - 26"	CPSQ	26 - 6C					
27" - 28"	CPSQ	26 - 6C					
29" - 30"	CPSQ	26 - 6C					
31" - 36"	CPSQ	26 - 6C					
37" - 42"	CPSQ	26 - 6C		MPT @ 3.3'			C @ 3.3'
43" - 48"	CPSQ	26 - 6C		MPT @ 3.3'			D @ 3.3'
49" - 54"	CPSQ-JTR	24 - 6C		MPT @ 3.3'	26 - 6C		E @ 3.3'
55" - 60"	CPSQ-JTR	24 - 6C		MPT @ 3.3'	26 - 6C		E @ 3.3'
61" - 72"		24 - 6C		MPT @ 3.3'			E @ 3.3'
73" - 84"		22 - 6C		MPT @ 3.3'	24 - 6C		F @ 3.3'
85" - 96"		22 - 6C		MPT @ 3.3'			G @ 3.3'
97" - 108"					22 - TR	JTR	I @ 3.3'
109" - 120"					22 - TR	JTR	H @ 3.3'

MPT Mid Panel Tie Rod(s)
 JTR Joint Tie Rod - SpiroQuad Frames are constructed from 18 Ga. Galvanized Steel T-25 profile. Per SMACNA, they require JTR at I and higher.

WA Sales - 316 Ellingson Rd. Algona, WA 98001 (253) 939-7741 Fax (253)-939-9936

AZ Sales - 7454 E. Broadway Blvd. #102A Tucson, AZ 85710 (520) 722-8945 Fax (520) 722-0106



SpiraQuad Gauge & Reinforcement Table for 1" w.g.

PER SMACNA D.C.S. 2005 CHAPTER 11 FUNCTIONAL CRITERIA

Duct Dimension	Connector Option	Up to 20' Joints w/ CFSQ (T-25 Connector)					
		Internal Reinforcement			Alternate External Reinforcement		
		Min GA. / Profile	Joint Reinf.	Intermediate Reinf.	Alternate Min. GA.	Joint Reinf.	Intermediate Reinf.
10" and under	CPSQ	26 - 6C					
11" - 12"	CPSQ	26 - 6C					
13" - 14"	CPSQ	26 - 6C					
15" - 16"	CPSQ	26 - 6C					
17" - 18"	CPSQ	26 - 6C					
19" - 20"	CPSQ	26 - 6C					
21" - 22"	CPSQ	26 - 6C					
23" - 24"	CPSQ	26 - 6C					
25" - 26"	CPSQ	26 - 6C					
27" - 28"	CPSQ	26 - 6C					
29" - 30"	CPSQ	26 - 6C					
31" - 36"	CPSQ	26 - 6C		MPT @ 3.3'			C @ 3.3'
37" - 42"	CPSQ	26 - 6C		MPT @ 3.3'			D @ 3.3'
43" - 48"	CPSQ-JTR	24 - 6C		MPT @ 3.3'	26 - 6C		E @ 3.3'
49" - 54"	CPSQ-JTR	24 - 6C		MPT @ 3.3'			E @ 3.3'
55" - 60"	CPSQ-JTR	22 - 6C		MPT @ 3.3'	24 - 6C		F @ 3.3'
61" - 72"		22 - 6C		MPT @ 3.3'	24 - 6C		F @ 3.3'
73" - 84"		22 - TR	JTR	MPT @ 3.3'	22 - 6C		H @ 3.3'
85" - 96"		22 - TR	JTR	(2) MPT @ 3.3'			I @ 3.3'
97" - 108"					22 - TR	JTR	I @ 3.3'
109" - 120"					22 - TR	JTR	I @ 3.3'

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SpiraQuad Gauge & Reinforcement Table for 2" w.g.

PER SMACNA D.C.S. 2005 CHAPTER 11 FUNCTIONAL CRITERIA

Duct Dimension	Connector Option	Up to 20' Joints w/ CFSQ (T-25 Connector)					
		Internal Reinforcement			Alternate External Reinforcement		
		Min GA. / Profile	Joint Reinf.	Intermediate Reinf.	Alternate Min. GA.	Joint Reinf.	Intermediate Reinf.
10" and under	CPSQ	26 - 6C					
11" - 12"	CPSQ	26 - 6C					
13" - 14"	CPSQ	26 - 6C					
15" - 16"	CPSQ	26 - 6C					
17" - 18"	CPSQ	26 - 6C					
19" - 20"	CPSQ	26 - 6C					
21" - 22"	CPSQ	26 - 6C					
23" - 24"	CPSQ	26 - 6C					
25" - 26"	CPSQ	26 - 6C					
27" - 28"	CPSQ	26 - 6C					
29" - 30"	CPSQ	26 - 6C					
31" - 36"	CPSQ-JTR	24 - 6C		MPT @ 3.3'	26 - 6C		E @ 3.3'
37" - 42"	CPSQ-JTR	24 - 6C		MPT @ 3.3'			E @ 3.3'
43" - 48"	CPSQ-JTR	22 - 6C		MPT @ 3.3'	24 - 6C		F @ 3.3'
49" - 54"	CPSQ-JTR	22 - 6C		(2) MPT @ 3.3'	24 - 6C		G @ 3.3'
55" - 60"	CPSQ-JTR	22 - 6C		(2) MPT @ 3.3'			G @ 3.3'
61" - 72"		22 - 6C		(2) MPT @ 3.3'			H @ 3.3'
73" - 84"		22 - TR	JTR	(2) MPT @ 3.3'			I @ 3.3'
85" - 96"		22 - TR	JTR	(2) MPT @ 2.5'			I @ 2.5'
97" - 108"					22 - TR	JTR	J @ 2.5'
109" - 120"					22 - TR	JTR	K @ 2.5'

MPT Mid Panel Tie Rod(s)
 JTR Joint Tie Rod - SpiroQuad Frames are constructed from 18 Ga. Galvanized Steel T-25 profile. Per SMACNA, they require JTR at I and higher.

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SpiraQuad Gauge & Reinforcement Table for 3" w.g.

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Duct Dimension	Connector Option	Up to 20' Joints w/ CFSQ (T-25 Connector)					
		Internal Reinforcement			Alternate External Reinforcement		
		Min GA. / Profile	Joint Reinf.	Intermediate Reinf.	Alternate Min. GA.	Joint Reinf.	Intermediate Reinf.
10" and under	CPSQ	26 - 6C					
11" - 12"	CPSQ	26 - 6C					
13" - 14"	CPSQ	26 - 6C					
15" - 16"	CPSQ	26 - 6C					
17" - 18"	CPSQ	26 - 6C					
19" - 20"	CPSQ	26 - 6C					
21" - 22"	CPSQ	26 - 6C					
23" - 24"	CPSQ	26 - 6C					
25" - 26"	CPSQ	26 - 6C					
27" - 28"	CPSQ-JTR	26 - 6C					
29" - 30"	CPSQ-JTR	26 - 6C					
31" - 36"	CPSQ-JTR	22 - 6C		MPT @ 3.3'	24 - 6C		F @ 3.3'
37" - 42"	CPSQ-JTR	22 - 6C		MPT @ 3.3'	24 - 6C		F @ 3.3'
43" - 48"	CPSQ-JTR	22 - TR		MPT @ 3.3'	22 - 6C		G @ 3.3'
49" - 54"	CPSQ-JTR	22 - 6C		(2) MPT @ 3.3'			H @ 3.3'
55" - 60"	CPSQ-JTR	22 - TR		(2) MPT @ 3.3'			H @ 3.3'
61" - 72"		22 - TR	JTR	(2) MPT @ 3.3'			I @ 3.3'
73" - 84"		22 - TR	JTR	(2) MPT @ 2.5'			I @ 2.5'
85" - 96"		22 - TR	JTR	(2) MPT @ 2.0'			I @ 2.0'
97" - 108"					22 - TR	JTR	L @ 2.5'
109" - 120"					22 - TR	JTR	L @ 2.5'

MPT Mid Panel Tie Rod(s)
 JTR Joint Tie Rod - SpiroQuad Frames are constructed from 18 Ga. Galvanized Steel T-25 profile. Per SMACNA, they require JTR at I and higher.

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SpiraQuad Gauge & Reinforcement Table for 4" w.g.

PER SMACNA D.C.S. 2005 CHAPTER 11 FUNCTIONAL CRITERIA

Duct Dimension	Connector Option	Up to 20' Joints w/ CFSQ (T-25 Connector)					
		Internal Reinforcement			Alternate External Reinforcement		
		Min GA. / Profile	Joint Reinf.	Intermediate Reinf.	Alternate Min. GA.	Joint Reinf.	Intermediate Reinf.
8" and under	CPSQ	26 - 6C					
9" - 12"	CPSQ	26 - 6C					
13" - 14"	CPSQ	26 - 6C					
15" - 16"	CPSQ	26 - 6C					
17" - 18"	CPSQ	26 - 6C					
19" - 20"	CPSQ	26 - 6C					
21" - 22"	CPSQ	26 - 6C					
23" - 24"	CPSQ	26 - 6C					
25" - 26"	CPSQ-JTR	26 - 6C					
27" - 28"	CPSQ-JTR	26 - 6C					
29" - 30"	CPSQ-JTR	26 - 6C					
31" - 36"	CPSQ-JTR	22 - 6C		MPT @ 3.3'	24 - 6C		F @ 3.3'
37" - 42"	CPSQ-JTR	22 - 6C		MPT @ 3.3'			G @ 3.3'
43" - 48"		22 - 6C		MPT @ 3.3'			H @ 3.3'
49" - 54"		22 - TR	JTR	MPT @ 3.3'			I @ 3.3'
55" - 60"		22 - TR	JTR	(2) MPT @ 3.3'			I @ 3.3'
61" - 72"		22 - TR	JTR	(2) MPT @ 3.3'			J @ 3.3'
73" - 84"		22 - TR	JTR	(2) MPT @ 2.5'			J @ 2.5'
85" - 96"		22 - TR	JTR	(2) MPT @ 2.5'			K @ 2.5'
97" - 108"					22 - TR	JTR	L @ 2.5'
109" - 120"					22 - TR	JTR	L @ 2.5'

MPT Mid Panel Tie Rod(s)

JTR Joint Tie Rod - SpiroQuad Frames are constructed from 18 Ga. Galvanized Steel T-25 profile. Per SMACNA, they require JTR at I and higher.

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SpiraQuad Gauge & Reinforcement Table for 6" w.g.

PER SMACNA D.C.S. 2005 CHAPTER 11 FUNCTIONAL CRITERIA

Duct Dimension	Connector Option	Up to 20' Joints w/ CFSQ (T-25 Connector)					
		Internal Reinforcement			Alternate External Reinforcement		
		Min GA. / Profile	Joint Reinf.	Intermediate Reinf.	Alternate Min. GA.	Joint Reinf.	Intermediate Reinf.
8" and under	CPSQ	26 - 6C		MPT @ 3.3'			B @ 3.3'
9" - 12"	CPSQ	26 - 6C		MPT @ 3.3'			C @ 3.3'
13" - 14"	CPSQ	26 - 6C		MPT @ 3.3'			C @ 3.3'
15" - 16"	CPSQ	26 - 6C		MPT @ 3.3'			D @ 3.3'
17" - 18"	CPSQ	26 - 6C		MPT @ 3.3'			D @ 3.3'
19" - 20"	CPSQ	24 - 6C		MPT @ 3.3'			D @ 3.3'
21" - 22"	CPSQ	24 - 6C		MPT @ 3.3'			E @ 3.3'
23" - 24"	CPSQ-JTR	24 - 6C		MPT @ 3.3'			E @ 3.3'
25" - 26"	CPSQ-JTR	22 - 6C		MPT @ 3.3'	24 - 6C		F @ 3.3'
27" - 28"	CPSQ-JTR	22 - 6C		MPT @ 3.3'	24 - 6C		F @ 3.3'
29" - 30"	CPSQ-JTR	22 - 6C		MPT @ 3.3'	24 - 6C		F @ 3.3'
31" - 36"		22 - TR		MPT @ 3.3'	22 - 6C		H @ 3.3'
37" - 42"		22 - TR		MPT @ 3.3'			H @ 3.3'
43" - 48"		22 - TR	JTR	MPT @ 3.3'			I @ 3.3'
49" - 54"		22 - TR	JTR	MPT @ 3.3'			I @ 3.3'
55" - 60"		22 - TR	JTR	MPT @ 2.5'			J @ 2.5'
61" - 72"		22 - TR	JTR	MPT @ 2.5'			J @ 2.5'
73" - 84"		22 - TR	JTR	(2) MPT @ 2.5'			L @ 2.5'
85" - 96"							
97" - 108"							
109" - 120"							

MPT Mid Panel Tie Rod(s)
 JTR Joint Tie Rod - SpiroQuad Frames are constructed from 18 Ga. Galvanized Steel T-25 profile. Per SMACNA, they require JTR at I and higher.

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