



**INTERNATIONAL
FASTENERS, INC.**

Hex Washer Head with EPDM Bonded Washer

Self Drill Point

Zinc Plated



Size	TPI	Part #	QTY / Carton	Drive	Drill Point	Max Drill
8 x 3/4"	18	NEOSDZ08034	5,000	1/4" Hex	#2	0.112"
8 x 1"	18	NEOSDZ08100	3,500	1/4" Hex	#2	0.112"
8 x 1-1/4"	18	NEOSDZ081104	3,000	1/4" Hex	#2	0.112"
8 x 1-1/2"	18	NEOSDZ08112	2,500	1/4" Hex	#2	0.112"

material: C1022 Low Carbon Steel, Core Hardness: HRC 32-40

finish: Zinc plating provides 24 hour minimum salt spray corrosion resistance

application: Metal to metal applications

installation: Screw gun with depth sensitive nosepiece with installation speed not to exceed 2500 RPM. Overdriving may result in fastener failure or strikeout of the work surface. The fastener must penetrate beyond the metal with a minimum of three threads protruding past the back side. The use of impact drivers is not recommended, as they can strip or break the screw.

Meet or exceeds the following specifications:

ICC ESR-4229 

AC118	ICC-ES Acceptance Criteria for tapping screw fasteners used in steel-to-steel connections
ASTM A510	Specification for general requirements for carbon steel wire rods (Minimum grade 1018)
ASTM B117	Standard practice for operating salt spray (fog) apparatus
ASTM C1513	Specification for steel tapping screws for cold-formed steel framing connections
SAE J78	Standard for dimensional, mechanical, and performance requirements

Ultimate Values

	Diameter	20 Gauge	18 Gauge	16 Gauge	14 Gauge	12 Gauge	Minimum Torsional Strength (lb)
Tension (lb) Pullout	#8	248	431	465	600	743	42
Shear (lb) Bearing	#8	583	876	1030	1340	944	42

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Size	TPI	Part #	QTY / Carton	Drive	Drill Point	Max Drill
10 x 3/4"	18	NEOSDZ10034	5,000	5/16" Hex	#3	0.175"
10 x 1"	18	NEOSDZ1010	4,000	5/16" Hex	#3	0.175"
10 x 1-1/4"	18	NEOSDZ101104	3,500	5/16" Hex	#3	0.175"
10 x 1-1/2"	18	NEOSDZ10112	3,000	5/16" Hex	#3	0.175"
10 x 2"	18	NEOSDZ1020	2,000	5/16" Hex	#3	0.175"
10 x 2-1/2"	18	NEOSDZ10212	1,500	5/16" Hex	#3	0.175"
10 x 3"	18	NEOSDZ1030	1,000	5/16" Hex	#3	0.175"

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ASTM C1513 Specification for steel tapping screws for cold-formed steel framing connections

SAE J78 Standard for dimensional, mechanical, and performance requirements

Ultimate Values

	Diameter	20 Gauge	18 Gauge	16 Gauge	14 Gauge	12 Gauge	Minimum Torsional Strength (lb)
Tension (lb) Pullout	#10	234	344	482	614	928	61
Shear (lb) Bearing	#10	639	924	1195	1443	1257	61

NEOSDZ10 | Revision 1.0 | 09.10.25

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Size	TPI	Part #	QTY / Carton	Drive	Drill Point	Max Drill
12 x 3/4"	14	NEOSDZ12034	3,000	5/16" Hex	#3	0.210"
12 x 1"	14	NEOSDZ1210	3,000	5/16" Hex	#3	0.210"
12 x 1-1/4"	14	NEOSDZ121104	3,000	5/16" Hex	#3	0.210"
12 x 1-1/2"	14	NEOSDZ12112	2,500	5/16" Hex	#3	0.210"
12 x 2"	14	NEOSDZ1220	1,500	5/16" Hex	#3	0.210"
12 x 2-1/2"	14	NEOSDZ12212	1,000	5/16" Hex	#3	0.210"
12 x 3"	14	NEOSDZ1230	1,000	5/16" Hex	#3	0.210"
12 x 4"	14	NEOSDZ1240	500	5/16" Hex	#3	0.210"

material: C1022 Low Carbon Steel, Core Hardness: HRC 32-40

finish: Zinc plating provides 24 hour minimum salt spray corrosion resistance

application: Metal to metal applications

installation: Screw gun with depth sensitive nosepiece with installation speed not to exceed 1800 RPM. Overdriving may result in fastener failure or strikeout of the work surface. The fastener must penetrate beyond the metal with a minimum of three threads protruding past the back side. The use of impact drivers is not recommended, as they can strip or break the screw.

Meet or exceeds the following specifications:

ICC ESR-4229



AC118 ICC-ES Acceptance Criteria for tapping screw fasteners used in steel-to-steel connections

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ASTM B117 Standard practice for operating salt spray (fog) apparatus

ASTM C1513 Specification for steel tapping screws for cold-formed steel framing connections

SAE J78 Standard for dimensional, mechanical, and performance requirements

Ultimate Values

	Diameter	20 Gauge	18 Gauge	16 Gauge	14 Gauge	12 Gauge	1/8"	3/16"	Minimum Torsional Strength (lb)
Tension (lb) Pullout	#12	227	360	480	669	904	1685	2456	92
Shear (lb) Bearing	#12	650	960	1280	1672	2191	-	-	92

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Size	TPI	Part #	QTY / Carton	Drive	Drill Point	Max Drill
14 x 3/4"	14	NEOSDZ14034	3,000	3/8" Hex	#3	0.220"
14 x 1"	14	NEOSDZ1410	2,500	3/8" Hex	#3	0.220"
14 x 1-1/4"	14	NEOSDZ141104	2,000	3/8" Hex	#3	0.220"
14 x 1-1/2"	14	NEOSDZ14112	1,500	3/8" Hex	#3	0.220"
14 x 2"	14	NEOSDZ1420	1,500	3/8" Hex	#3	0.220"
14 x 2-1/2"	14	NEOSDZ14212	1,000	3/8" Hex	#3	0.220"
14 x 3"	14	NEOSDZ1430	1,000	3/8" Hex	#3	0.220"

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SAE J78 Standard for dimensional, mechanical, and performance requirements

Ultimate Values

	Diameter	20 Gauge	18 Gauge	16 Gauge	14 Gauge	12 Gauge	1/8"	3/16"	Minimum Torsional Strength (lb)
Tension (lb) Pullout	#14	287	407	537	683	873	1769	2537	156
Shear (lb) Bearing	#14	644	995	1381	1698	2295	-	-	156

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Size	TPI	Part #	QTY / Carton	Drive	Drill Point	Max Drill
14 x 4"	14	NEOSDZ1440	500	3/8" Hex	#3	0.220"
14 x 5"	14	NEOSDZ1450	500	3/8" Hex	#3	0.220"
14 x 6"	14	NEOSDZ1460	500	3/8" Hex	#3	0.220"
14 x 7"	14	NEOSDZ1470	250	3/8" Hex	#3	0.220"
14 x 8"	14	NEOSDZ1480	250	3/8" Hex	#3	0.220"

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SAE J78 Standard for dimensional, mechanical, and performance requirements

Ultimate Values

	Diameter	20 Gauge	18 Gauge	16 Gauge	14 Gauge	12 Gauge	3/16"	7/32"	Minimum Torsional Strength (lb)
Tension (lb) Pullout	#14	300	402	776	1057	1477	3941	4656	156
Shear (lb) Bearing	#14	797	1083	1942	2300	2754	-	-	156

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