



# IVAN Fasteners



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## Metric Din #. Product identification with Iso / En Crossover chart

Title DIN Standard	DIN	DIN EN ISO	DIN EN	DIN ISO	Comparable ISO Standard	Date of current standard/ modified	Title of replacement standard	Comment
All-metal prevailing torque type hexagon nuts	980	7042	27042		7042	1998-02	Prevailing torque type (all-metal hexagon nuts), style 2 - Property classes 5, 8, 10 and 12	Height of nut changed; width across flat according to ISO 272 included
All-metal prevailing torque type hexagon nuts	980	10513	30513		10513	1998-02	Prevailing torque type all-metal hexagon nuts, style 2, with metric fine pitch thread - Property classes 8, 10 and 12	Height of nut changed; width across flat according to ISO 272 included
Clevis pins with head	1434		22341		2341	1992-10	Clevis pins with head	Only one head dimension. Some other nominal lengths defined
Clevis pins with head	1435		22341		2341	1992-10	Clevis pins with head	Only one head dimension. Some other nominal lengths defined
Clevis pins with head	1436		22341		2341	1992-10	Clevis pins with head	Only one head dimension. Some other nominal lengths defined
Clevis pins with head	1444		22341		2341	1992-10	Clevis pins with head	Some other nominal lengths defined
Clevis pins without head	1433		22340		2340	1992-10	Clevis pins without head	Some other nominal lengths defined
Clevis pins without head	1443		22340		2340	1992-10	Clevis pins without head	
Countersunk (flat) head tapping screws with cross recess	7982			7050	7050	1990-08	Cross recessed countersunk (flat) head tapping screws (common head style)	Head dimensions and countersunk angles changed
Cross recessed countersunk (flat) head screws (Countersunk heads according	965	7046-1		7046	7046-1	1994-10	Countersunk flat head screws (common head style) with type H or type Z cross	Nominal size changed; head dimension changed; thread length changed; strength 8.8 included (see Part 2);

to ISO)							recess - Property class 4.8	penetration depth of cross slots changed
Cross recessed countersunk (oval) head screws (Countersunk heads according to ISO)	966	7047		7047	7047	1994-10	Countersunk raised head screws (common head style) with type H or type Z cross recess - Product grade A	Nominal size changed; head dimension changed; thread length changed; strength 8.8 omitted; penetration depth of cross slots changed
Cross recessed countersunk head drilling screws with tapping screw thread	7504	15482			15482	2000-02	Cross recessed countersunk head drilling screws with tapping screw thread	Standard divided into five single standards (EN ISO 10666, 15480, 15481, 15482, 15483); thread ST 3.9 omitted; hexagon head with collar and slot (Form L) omitted
Cross recessed pan head drilling screws with tapping screw thread	7504	15481			15481	2000-02	Cross recessed pan head drilling screws with tapping screw thread	Standard divided into five single standards (EN ISO 10666, 15480, 15481, 15482, 15483); thread ST 3.9 omitted; hexagon head with collar and slot (Form L) omitted
Cross recessed pan head tapping screws	7981			7049	7049	1990-08	Cross recessed pan head tapping screws	Marginal change of head dimensions. Caution with automatic feed and connection systems
Cross recessed raised countersunk head drilling screws with tapping screw thread	7504	15483			15483	2000-02	Cross recessed raised countersunk head drilling screws with tapping screw thread	Standard divided into five single standards (EN ISO 10666, 15480, 15481, 15482, 15483); thread ST 3.9 omitted; hexagon head with collar and slot (Form L) omitted
Drilling screws with tapping screw thread - Mechanical and functional properties	7504	10666			10666	2000-02	Drilling screws with tapping screw thread - Mechanical and functional properties	Standard divided into five single standards (EN ISO 10666, 15480, 15481, 15482, 15483); thread ST 3.9 omitted; hexagon head with collar and slot (Form L) omitted
Grooved pins - Full-length parallel grooved, with chamfer	1473	8740	28740		8740	1998-03	Grooved pins - Full-length parallel grooved, with chamfer	Nominal lengths redefined. Shear rate increased.
Grooved pins - Fulllength parallel grooved, with pilot	1470	8739	28739		8739	1998-03	Grooved pins - Full-length parallel grooved, with pilot	Nominal lengths redefined. Shear rate increased.
Grooved pins - Fulllength taper grooved	1471	8744	28744		8744	1998-03	Grooved pins - Full-length taper grooved	Nominal lengths redefined. Shear rate increased.
Grooved pins - Half-length reverse-taper grooved	1474	8741	28741		8741	1998-03	Grooved pins - Half-length reverse-taper grooved	Nominal lengths redefined. Shear rate increased.
Grooved pins - Half-length taper grooved	1472	8745	28745		8745	1998-03	Grooved pins - Half-length taper grooved	Nominal lengths redefined. Shear rate increased.
Grooved pins - One-third-length centre grooved	1475	8742	28742		8742	1998-03	Grooved pins - One-third-length centre grooved	Nominal lengths redefined. Shear rate increased.
Grooved pins with countersunk head	1477	8747	28747		8747	1998-03	Grooved pins with countersunk head	Chamfer redefined
Grooved pins with round head	1476	8746	28746		8746	1998-03	Grooved pins with round head	Chamfer redefined
Hexagon Bolts without Hexagon Nut - with Hexagon Nut, Type g	601	4016	24016	4016	4016	2001-03	Hexagon head bolts - Product grade C	Nominal size extended; width across flats according to DIN ISO 272 included
							Hexagon thin nuts	

Hexagon bolts, Metric fine thread, Types m and mg	960	8765	28765	8765	8765	2001-03	(chamfered) with metric fine pitch thread - Product grades A and B	Nominal size extended; width across flats according to DIN ISO 272 included
Hexagon flange bolts	6921		1665		8102	1998-11	Hexagon bolts with flange, heavy series	Dimensions partially changed; width across flats according to ISO 272; strength 12.9 omitted
Hexagon head bolts with shank; M 1,6 to M 39 screw threads, Product grades A and B	931-1	4014	24014	4014	4014	2001-03	Hexagon head bolts - Product grades A and B	Nominal size extended; width across flats according to DIN ISO 272 included
Hexagon head screws - Product grades A and B	933	4017	24017	4017	4017	2001-03	Hexagon head screws - Product grades A and B	Nominal size extended; width across flats according to DIN ISO 272 included
Hexagon nuts with flange	6923		1661		4161	1998-02	Hexagon nuts with flange	Fine thread omitted to be included in a separate standard later); width across flat M10 changed
Hexagon nuts; Metric Thread, Type g	555	4034	24034	4034	4034	2001-03	Hexagon nuts - Product grade C	Width across flats according to DIN ISO 272 included; nominal diameter reduced
Hexagon nuts; Metric screw threads; Product grades A and B	934	4032	24032	4032	4032	2001-03	Hexagon nuts, style 1 - Product grades A and B	Nominal diameter changed, height of the nut changed partially; nuts with fine thread specified in DIN EN ISO 8673; width across flats according to DIN ISO 272 included
Hexagon nuts; Metric screw threads; Product grades A and B	934	8673	28673		8673	2001-03	Hexagon nuts, style 1, with metric fine pitch thread - Product grades A and B	Nominal diameter changed, height of the nut changed partially; nuts with regular type screw thread specified in DIN EN ISO 4032; width across flats according to DIN ISO 272 included
Hexagon screws, Thread Approximately to Head, Metric Thread, Type g	558	4018	24018	4018	4018	2001-03	Hexagon head screws - Product grade C	Nominal size extended; width across flats according to DIN ISO 272 included
Hexagon socket countersunk head screws	7991	10642			10462	2004-06	Hexagon socket countersunk head screws	
Hexagon socket head cap screws	912	4762			4762	2004-06	Hexagon socket head cap screws	Nominal size range changed; fine thread deleted (ISO 21269)
Hexagon socket set screws with cone point	914	4027			4027	2004-05	Hexagon socket set screws with cone point	Nominal sizes M1.4, M1.8, M14, M18 and M22 omitted
Hexagon socket set screws with cup point	916	4029			4029	2004-05	Hexagon socket set screws with cup point	
Hexagon socket set screws with dog point	915	4028			4028	2004-05	Hexagon socket set screws with dog point	Nominal sizes M1.4, M1.8, M14, M18 and M22 omitted
Hexagon socket set screws with flat point	913	4026			4026	2004-05	Hexagon socket set screws with flat point	Nominal sizes M1.4, M1.8, M14, M18 and M22 omitted
Hexagon thin nuts with M 1,6 to M 10 threads	439-1	4036	24036	4036	4036	2001-02	Hexagon thin nuts (unchamfered) - Product grade B	Correlation of dimensions with DIN 439-1, except for the width across flat of the nut M10
Hexagon thin nuts with M 1,6 to M 52 and M 8x1 to M 52x3 threads	439-2	4035	24035		4035	2001-03	Hexagon thin nuts (unchamfered) - Product grades A and B	In tables 1 and 2 abbreviations changed and some specifications (thread dimensions) changed
Hexagon thin nuts with M 1,6 to M 52 and M 8x1 to M 52x3 threads	439-2	4035	24035	4035	4035	2001-03	Hexagon thin nuts (unchamfered) -	Standard divided by regular type screw threads and fine threads; width across flats according to ISO 272

threads							Product grades A and B	changed; nominal size range changed; fine thread see ISO 8675
Hexagon thin nuts with M 1,6 to M 52 and M 8x1 to M 52x3 threads	439-2	8675	28675		8675	2001-03	Hexagon thin nuts (unchamfered) with metric fine pitch thread - Product grades A and B	Standard divided by regular type screw threads and fine threads; width across flats according to ISO 272 changed; nominal size range changed; regular type screw thread see ISO 4035
Hexagon washers head drilling screws with tapping screw thread	7504	15480			15480	2000-02	Hexagon washers head drilling screws with tapping screw thread	Standard divided into five single standards (EN ISO 10666, 15480, 15481, 15482, 15483); thread ST 3,9 omitted; hexagon head with collar and slot (Form L) omitted
High-strength hexagon head bolts with large widths across flats for structural steel bolting	6914		14399-4		7412	2006-06	High-strength structural bolting assemblies for preloading - Part 4: System HV - Hexagon bolt and nut assemblies	
High-strength hexagon nuts with large widths across flats for structural steel bolting	6915		14399-4			2006-06	High-strength structural bolting assemblies for preloading - Part 4: System HV - Hexagon bolt and nut assemblies	
M 8x1 to M 100x4 hexagon head bolts with fine pitch thread	961	8676	28676	8676	8676	2001-03	Hexagon head screws with metric fine pitch thread - Product grades A and B	Nominal size extended; width across flats according to DIN ISO 272 included
Mushroom head square neck bolts	603				8677	1981-10		
Parallel pins of unhardened steel and austenitic stainless steel	7	2338	22338		2338	1998-02	Parallel pins of unhardened steel and austenitic stainless steel	Nominal length redefined (with round end) form A+C deleted
Parallel pins with internal thread	7979	8735	28735		8735	1998-03	Parallel pins with internal thread, of hardened and martensitic stainless steel	Dimensions partially changed
Parallel pins with internal thread, of unhardened and austenitic stainless steel	7979	8733	28733		8733	1998-03	Parallel pins with internal thread, of unhardened and austenitic stainless steel	Dimensions partially changed
Parallel pins, Hardened; Tolerance Zone m6	6325	8734	28734		8734	1998-03	Parallel pins of hardened and martensitic stainless steel (Dowel pins)	Some other nominal lengths defined
Plain washers - Extra large series, product grade C	440	7094			7094	2000-12	Plain washers - Extra large series, product grade C	Nominal sizes changed, nominal size 24 size "a" redefined to the maximum, square-end hole Form R omitted; (standard DIN 440 still valid)
Plain washers for clevis pins; product grade A	1440		28738		8738	1992-10	Plain washers for clevis pins; product grade A	Nominal sizes changed
Prevailing torque type - All-metal hexagon nuts with flange	6927		1664		7044	1998-02	Prevailing torque type - All-metal hexagon nuts with flange	Width across flat M10 changed

Prevailing torque type all-metal hexagon nuts	6925	7042	27042		7042	1998-02	Prevailing torque type (all-metal hexagon nuts), style 2 - Property classes 5, 8, 10 and 12	Height of nut changed; width across flat according to ISO 272 included
Prevailing torque type all-metal hexagon nuts	6925	10513	30513		10513	1998-02	Prevailing torque type all-metal hexagon nuts, style 2, with metric fine pitch thread - Property classes 8, 10 and 12	Height of nut changed; width across flat according to ISO 272 included
Prevailing torque type hexagon nuts with flange (with non-metallic insert), with metric fine pitch thread	6926		1666		12125	1998-02	Prevailing torque type hexagon nuts with flange (with non-metallic insert), with metric fine pitch thread	Width across flat M10 changed
Prevailing torque type hexagon nuts with non-metallic insert	982	7040	27040		7040	1998-02	Prevailing torque type hexagon nuts (with non-metallic insert), style 1 - Property classes 5, 8 and 10	Height of nut changed; width across flat according to ISO 272 included
Prevailing torque type hexagon nuts with non-metallic insert	982	10512	30512		10512	1998-02	Prevailing torque type hexagon nuts (with non-metallic insert), style 1, with metric fine pitch thread - Property classes 6, 8 and 10	Height of nut changed; width across flat according to ISO 272 included
Prevailing torque type hexagon nuts with non-metallic insert	6924	7040	27040		7040	1998-02	Prevailing torque type hexagon nuts (with non-metallic insert), style 1 - Property classes 5, 8 and 10	Height of nut changed; width across flat according to ISO 272 included
Prevailing torque type hexagon nuts with non-metallic insert	6924	10512	30512		10512	1998-02	Prevailing torque type hexagon nuts (with non-metallic insert), style 1, with metric fine pitch thread - Property classes 6, 8 and 10	Height of nut changed; width across flat according to ISO 272 included
Prevailing torque type hexagon thin nuts with non-metallic insert	985	10511			10511	1998-02	Prevailing torque type hexagon, thin nuts (with non-metallic insert)	Height of nut changed; width across flat according to ISO 272 included
Product grade A washers with a hardness from 300 HV, designed for use with hexagon head bolts and nuts	125-2	7089			7089	2000-11	Plain washers - Normal series, Product grade A	Without chamfer, up to nominal diameter 64
Product grade A washers with a hardness from 300 HV, designed for use with hexagon head bolts and nuts	125-2	7090			7090	1990-03	Plain washers, chamfered - Normal series, Product grade A	Without chamfer, up to nominal diameter 64
Product grade A washers with a hardness up to 250 HV, designed for use with cheese head screws	433-1	7092			7092	2000-11	Plain washers - Small series, Product grade A	Pyramid diamond hardness 140 HV cancelled; rating changed
Product grade A washers with a hardness up to 250 HV, designed for use with hexagon head bolts and nuts	125-1	7089			7089	2000-11	Plain washers - Normal series, Product grade A	Without chamfer, up to nominal diameter 64
Product grade A washers with a hardness up to 250 HV, designed for use with hexagon head bolts and nuts	125-1	7090			7090	1990-03	Plain washers, chamfered - Normal series, Product grade A	Without chamfer, up to nominal diameter 64

Product grade A washers with a hardness up to 300 HV, designed for use with cheese head screws	433-2	7092			7092	2000-11	Plain washers - Small series, Product grade A	Nominal sizes changed
Product grade C washers, designed for use with hexagon head bolts and nuts	126	7091			7091	2000-11	Plain washers - Normal series, Product grade C	Nominal sizes changed
Raised countersunk (oval) head; tapping screws with cross recess	7983			7051	7051	1990-08	Cross recessed raised countersunk (oval) head tapping screws	Head dimensions and countersunk angles changed
Recessed raised cheese (fillister) head screws	7985	7045			7045	1994-10	Pan head screws with type H or type Z cross recess - product grade A	Nominal size changed; head dimension changed; thread length changed; penetration depth of cross slots changed
Slotted cheese head screws - Product grade A	84	1207			1207	1994-10	Slotted cheese head screws - Product grade A	Modifications of dimensions < 2,5; dimension of slots changed; partly nominal lengths deleted; strength 8.8 deleted
Slotted countersunk (flat) head screws (Countersunk heads according to ISO)	963	2009		2009	2009	1994-10	Slotted countersunk flat head screws (common head style) - Product grade A	Nominal size changed; head dimension changed; thread length changed; strength 8.8 cancelled
Slotted headless screws with shank	427	2342			2342	2004-05	Slotted headless screws with shank	
Slotted pan head screws - Product grade A	85	1580			1580	1994-10	Slotted pan head screws - Product grade A	Thread included; dimensions of head and slot changed; strength 8.8 deleted
Slotted raised countersunk (oval) head screws (Countersunk heads according to ISO)	964	2010		2010	2010	1994-10	Slotted raised countersunk head screws (common head style) - Product grade A	Nominal size changed; head dimension changed; thread length changed; strength 8.8 cancelled
Slotted set screws with cone point	553		27434		7434	1992-10	Slotted set screws with cone point	No modifications of dimensions
Slotted set screws with cup point	7976			1479	1479	1990-08	Hexagon head tapping screws	No modifications of dimensions
Slotted set screws with flat point	551		24766		4766	1992-10	Slotted set screws with flat point	No modifications of dimensions
Slotted set screws with long dog point	94	1234			1234	1998-02	Split pins	No modifications of dimensions
Slotted set screws with long dog point	417		27435		7435	1992-10	Slotted set screws with long dog point	No modifications of dimensions
Spring-type straight pins - Coiled, heavy duty	7344	8748	28748	8748	8748	2007-06	Spring-type straight pins - Coiled, heavy duty	Range of nominal diameters and lengths extended. Shear range changed.
Spring-type straight pins - Coiled, standard duty	7343	8750	28750	8750	8750	2007-06	Spring-type straight pins - Coiled, standard duty	Range of nominal diameters and lengths extended. Shear range changed.
Spring-type straight pins - Slotted, heavy duty	1481	8752	28752		8752	1998-03	Spring-type straight pins - Slotted, heavy duty	Specification "non-jamming" included; chamfer redefined; partial change of dimensions
Spring-type straight pins, slotted, light duty	7346	13337			3337	2009-10	Spring-type straight pins - Slotted, light duty	Specification "non-jamming" included; chamfer redefined; partial change of dimensions
Thread rolling screws for ISO metric thread - Part 1: Technical specifications for case hardened and tempered screws	7500-1	7085				2009-06	Thread rolling screws for ISO-metric thread	Normative revision, values for case-hardening depth and hole size revised, torque values reduced
Unhardened taper pins	1		22339		2339	1992-10	Unhardened taper pins	Nominal length redefined (with round end)

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