## MEDUSA4 list of standards

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DIN 1025-4 Hot rolled I-beams; wide flange Ibeams heavy pattern, IPBv-serie  DIN 1025-5 Hot rolled I-beams; medium flange Ibeams, IPE-serie	
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DIN 13-12 ( superseded by DIN ISO 261) ISO Metric Screw Threads from 1 to 300 mm diameter, general plan of screw threads according to ISO 261-1973, Internal thread  DIN 13-12 ( superseded by DIN ISO 261) ISO Metric Screw Threads from 1 to 300 mm diameter, general plan of screw threads according to ISO 261-1973, Internal thread	
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DIN 2605-1 Elbows and bends with reduced pressure factor	
DIN 2631 ( superseded by DIN EN 1092-1 ) Welding Neck Flanges; Nominal Pressure 6 DIN 2632 ( superseded by DIN EN 1092-1 ) Welding Neck Flanges; Nominal Pressure 10	
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DIN 5412-1 Cylindrical roller bearings, single row, with cage, separate thrust collar	
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DIN 625-1 Radial deep groove ball bearings, single row, with two covers  DIN 625-1 Radial deep groove ball bearings, single row, with two covers	
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DIN 628-3 Angular contact ball bearings, double row, with cage, with two covers  DIN 628-4 Angular contact ball bearings, single row, four point contact bearing	
DIN 628-4 Angular contact ball bearings, single row, four point contact bearing, with grooves	• • • • •
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DIN 635-1 Pendelrollenlager, Tonnenlager, einreihig	
DIN 635-2 Spherical roller bearings, double row DIN 6796 Conical spring washers for bolt/nut assemblies	
DIN 6912 Hexagon socket head cap screws with recess for wrench key	
DIN 6914 ( superseded by DIN EN 14399-4 ) High-strength hexagon head bolts with large widths across flats for structural steel bolting  DIN 6915 ( superseded by DIN EN 14399-4 ) High-strength hexagon nuts with large widths across flats for structural steel bolting	
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DIN 76-1 Thread run-outs and thread undercuts for ISO metric threads in accordance with DIN13-1, External thread	
DIN 76-1 Thread run-outs and thread undercuts for ISO metric threads in accordance with DIN13-1, External thread  DIN 76-1 Thread run-outs and thread undercuts for ISO metric threads in accordance with DIN13-1, External thread	
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Diameters of counterbores for hexagon socket head cup screws	• • • • •
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DIN ISO 261 Tapped Holes around a P.C.D	• • • • •
DIN ISO 261 ISO general purpose metric screw threads; Internal thread DIN ISO 261 ISO general purpose metric screw threads; External thread	
DIN ISO 261 ISO general purpose metric screw threads; Internal thread	• • • • •
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DIN EN 10220 Seamless and welded steel tubes - General tables of dimensions and masses per unit length	
DIN EN 14399-4 Hexagon nuts - High-strength structural bolting assemblies for preloading - Part 4: System HV - Hexagon bolt and nut assemblies  DIN EN 14399-4 Hexagon bolts - High-strength structural bolting assemblies for preloading - Part 4: System HV - Hexagon bolt and nut assemblies	
DIN EN 14399-5 Plain washers - High-strength structural bolting assemblies for preloading - Part 5: Plain washers	
DIN EN 14399-6 Plain chamfered washers - High-strength structural bolting assemblies for preloading - Part 6: Plain chamfered washers  DIN EN 27435 Slotted set screws with long dog point	
DIN EN ISO 10511 Prevailing torque type hexagon, thin nuts (with non-metallic insert)	• • • • •
DIN EN ISO 10642 Hexagon socket countersunk head screws DIN EN ISO 1207 Slotted cheese head screws - Product grade A	
DIN EN ISO 1580 Slotted pan head screws - Product grade A	• • • • •
DIN EN ISO 2009 Slotted countersunk flat head screws (common head style) - Product grade A  DIN EN ISO 2010 Slotted raised countersunk head screws (common head style) - Product grade A	
DIN EN ISO 2338 Parallel pins of unhardened steel and austenitic stainless steel	• • • • •
DIN EN ISO 4014 Hexagon head bolts - Product grades A and B DIN EN ISO 4017 Hexagon head screws - Product grades A and B	• • • • •
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DIN EN ISO 4027 Hexagon socket set screws with cone point DIN EN ISO 4032 Hexagon nuts, style 1 - Product grades A and B	
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DIN 128 ( cancelled without substitution by DIN ) Curved spring lock washers, type A DIN 1587 Hexagon domed cap nuts, high type	• • • • •
DIN 2527 ( superseded by DIN EN 1092-1 ) Blind Flange; Nominal Pressure 6 to 100	• • • • •
DIN 2605-2 Elbows - Full correlation of utilization DIN 2615-1 Tees with reduced pressure factor	* * * * *
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DIN 2615-2 Tees for use at full service pressure	
DIN 2615-2 Tees for use at full service pressure DIN 2616-1 Eccentric reducers with reduced pressure factor	• • • •
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316 Wing screws, rounded wings 332-1 60° centre holes, types R, A, B, and C	
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435 Square taper washers for use with I sections 471 Circlips (retaining rings) for shafts (groove); Normal type and heavy type	
471 Circlips (retaining rings) for shafts (ring); Normal type and heavy type	• • • •
472 Circlips (retaining rings) for bores (groove); Normal type and heavy type	* * * * *
472 Circlips (retaining rings) for bores (ring); Normal type and heavy type 5406 Rolling bearings; lockwashers; safety plate	
5406 Rolling bearings; lockwashers;lockclip	• • • •
5415 Rolling bearings; adapter sleeves 580 Eye bolts	
S82 Lifting Eye Nuts	
117 Needle roller bearings with cage, dimension series 48,49 and 69	• • • •
117 Needle roller bearings with cage, dimension series 69, double row 117 Needle roller bearings with cage, dimension series 49, mit Innenring with covers	
T Needle foliar bearings with cage, dimension series 49, ohne Innerring with covers	• • • •
06 Hexagon socket pipe plugs	• • • •
08 Hexagon socket screw plugs with parallel screw thread 10 Hexagon-duty hexagon head screw plugs	
38 Studs - with a length of engagement equal to about 1 d	• • • •
39 Studs - with a length of engagement equal to about 1.25 d	
81 Rolling bearing; locknuts type KM, KML, HMT 81 Rolling bearing; locknuts type HM	
88 Shim rings and supporting rings	• • • •
N 20273 Fasteners, clearance holes for bolts and screws	
N 1092-1 Typ 05 Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories - Part 1: Steel flanges, PN_designated  N 1092-1 Typ 11 Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories - Part 1: Steel flanges, PN_designated	
N 1092-1 Typ 13 Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories - Part 1: Steel flanges, PN_designated	• • • •
N 22339 Unhardened taper pins N 22340 Clevis pins without head	
IN 22340 Clevis pins windur leadu  N 22341 Clevis pins with head  N 22341 Clevis pins with head	
N 24766 Slotted set screws with flat point	• • • •
N 27434 Slotted set screws with cone point N 28738 Plain washers for clevis pins; product grade A	
N ISO 1234 Split pins	• • • • •
N ISO 4028 Hexagon socket set screws with dog point	• • • •
N ISO 7090 Plain washers, chamfered - Normal series, Product grade A N ISO 7092 Plain washers - Small series, Product grade A	
44 Eye bolts	• • • •
09 Relief grooves - Types and dimensions	• • • •
09 Hexagon fit bolts 321 Support and location pins	• • • •
931 Hexagon collar nuts with a height of 1.5 d	• • • •
885-1 Parallel Keys, Keyways, Deep Pattern - Hub keyways	• • • •
885-1 Parallel Keys, Keyways, Deep Pattern - Parallel Keys 885-1 Parallel Keys, Keyways, Deep Pattern - Shaft keyways	
885-2 Parallel Keys, Keyways, Deep Pattern for Machine Tools - Hub keyways	• • • •
885-2 Parallel Keys, Keyways, Deep Pattern for Machine Tools - Parallel Keys 885-2 Parallel Keys, Keyways, Deep Pattern for Machine Tools - Shaft keyways	
885-3 Parallel Keys, Shallow Pattern - Hub keyways	
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35-1 Hexagon slotted and castle nuts with metric coarse and fine pitch thread; Product grades A and B  N ISO 4016 Hexagon head bolts - Product grade C	
N ISO 4029 Hexagon socket set screws with cup point	• • • •
IN ISO 4034 Hexagon nuts - Product grade C IN ISO 4036 Hexagon thin nuts (unchamfered) - Product grade B	
IN ISO 4006 nexagon fead screws with metric fine pitch thread - Product grades A and B	
N ISO 8733 Parallel pins with internal thread, of unhardened and austenitic stainless steel	• • • •
EN ISO 8734 Parallel pins of hardened and martensitic stainless steel (Dowel pins) EN ISO 8765 Hexagon head bolts with metric fine pitch thread - Product grades A and B	• • • •
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804 Slotted Round Nut for Hook Spanner; ISO Metric Fine Thread	• • •
2093 Disc springs; dimensions and quality specifications 2098-1 Helical springs Made of Round Wire; Dimensions for Cold Coiled Compression Springs with Wire Diameter from 0.5 mm upwards	
2617 Cups	• • •
8011 Torispherical heads	• • •
999 ( superseded by DIN EN 10226-1 ) Withworth pipe thread for threated pipes and fittings, parallel internal thread 760 Rotary shaft lip type seals	• • •
61 Hexagon head set screws with small hexagon and dog point	• • •
03 Mushroom head square neck bolts 797 ( cancelled without substitution by DIN ) Toothed locked washers	• • •
737 (Cardicine) unitious substitution by DIN ) Forrated lock washers 798 ( cancelled without substitution by DIN ) Serrated lock washers	
05 (cancelled without substitution by DIN) Adjusting rings	• • •
6-2 Thread run-outs and thread undercuts for pipe threads conforming to ISO 228 part 1, External thread 6-2 Thread run-outs and thread undercuts for pipe threads conforming to ISO 228 part 1, External thread	• • •
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40 Studs - with a length of engagement equal to about 2.5 d	• • •
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N 10210-2 Hot finished structural hollow sections of non-alloy and fine grain structural steels - Circular  N 10210-2 Hot finished structural hollow sections of non-alloy and fine grain structural steels - Square	• • •
N 10210-2 Hot finished structural hollow sections of non-alloy and fine grain structural steels - Square  N 10210-2 Hot finished structural hollow sections of non-alloy and fine grain structural steels - Rectangular	• • •
N 10219-2 Cold formed welded structural hollow sections of non-alloy and fine grain steels - Circular	• • •
N 10219-2 Cold formed welded structural hollow sections of non-alloy and fine grain steels - Quadratic  N 10219-2 Cold formed welded structural hollow sections of non-alloy and fine grain steels - Rectangular	• • •
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N 10241 Steel threaded pipe fittings Reducing socket	• • •
N ISO 10512 Prevailing torque type hexagon nuts (with non-metallic insert), style 1, with metric fine pitch thread - Property classes 6, 8 and 10  N ISO 10513 Prevailing torque type all-metal hexagon nuts, style 2, with metric fine pitch thread - Property classes 8, 10 and 12	• • •
N ISO 228 Pipe thread where pressure-tight joints are not made on the threads; External thread	• • •
N ISO 228 Pipe thread where pressure-tight joints are not made on the threads; Internal thread N ISO 4035 Hexagon thin nuts (chamfered) - Product grades A and B	• • •
N ISO 4035 Hexagon thin huls (chamlered) - Product grades A and B N ISO 7040 Prevailing torque type hexagon nuts (with non-metallic insert), style 1- Property classes 5, 8 and 10	
N ISO 7042 Prevailing torque type (all-metal hexagon nuts), style 2 - Property classes 5, 8, 10 and 12	• • •
N ISO 7045 Pan head screws with type H or type Z cross recess - Product grade A N ISO 7091 Plain washers - Normal series, Product grade C	• • •
N ISO 7091 Plain washers - Normal series, Product grade C 441 Washers; Type Coarse for Bolts	
469 Grooved Pins, Half Length Grooved with Gorge	• •
478 Turnbuckles made from tubes or bars 479 Hexagon turnbuckles	• •
479 Hexagon turnouckies 596 Light pipe clips with pipe-tightening; single-ended for rail vehicles	
86 T-head bolts with square neck	• •
88 T-head bolts with double nilb 082-1 Nuts for Milling Machine Arbors	• •
084-1 Spacing collars for milling machine arbors - types A, B, and C 084-2 Spacing collars for hob arbors, collars with longitudinal keyway - types D	• •
084-1 Spacing collars for milling machine arbors - types A, B, and C 084-2 Spacing collars for hob arbors, collars with longitudinal keyway - types D 084-3 Spacing collars for hob arbors, collars with cluch drive slots and driving tenons - types E	
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Standards	Packages
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DIN 2628 (superseded by DIN EN 1092-1) Welding Neck Flanges; Nominal Pressure 250 DIN 268 Tangential Keys and Tangential Keyways for Alternating Shock Loads	_
DIN 302 Countersunk head rivets; nominal diameters 10 to 36 mm DIN 319 Ball knobs	
DIN 39 Machine handles; types D and E	• •
DIN 443 Sealing Push-in Caps DIN 464 Knurled thumb screws, high type	_
DIN 466 Knurled nuts with collar DIN 467 Knurled nuts	• •
DIN 470 Sealing Washers	• •
DIN 479 Square head bolts with short dog point DIN 480 Square head bolts with collar and oval half dog point	
DIN 505 Driving components - Cap bearings - Fastening with two screws DIN 505 Driving components - Half bearings	• •
IIN 508 Nuts for T-slots	• •
IN 525 Studs for welding IN 529 Masonry bolts	
IN 5417 Securing Parts for Rolling Bearings; Snap Rings for Bearings with Ring Groove IN 5419 Felt Rings, Felt Strips, Ring Grooves for Rolling Bearing Housings	• •
IN 564 Hexagon head set screws with small hexagon and half dog point and flat cone point	• •
IN 615 Magneto-type ball bearings IN 6311 Trust pads	
IN 6330 Hexagon nuts with a height of 1,5 d IN 6332 Grub screws with thrust point	_
IN 6332 Grub screws with thrust point and hexagon socket IN 6379 Studs for use with tee nuts	• •
IN 650 Machine tools; T-slots; dimensions	• •
IN 653 Knurled thumb screws, low type IN 660 Round head rivets; with nominal diameters 1 to 8 mm	_ <u> </u>
IN 661 Countersunk head rivets; nominal diameters 1 to 8_mm IN 6799 Lock washers (retaining washers) for shafts	• •
N 6888 Drive Type Fastenings without Taper Action; Woodruff Keys, Dimensions and Application	• •
N 72571 Pipe clamps - One-sided fastening N 72573 Pipe clamps - Two-sided fastening	_
N 7349 Plain washers for Boltsw with Heavy Clamping Sleeves N 736 Rolling bearings; plummer block housings for rolling bearings of diameter series_2 with tapered bore and adapter sleeve	
N 737 Rolling bearings; plummer block housings for rolling bearings of diameter series_3 with tapered bore and adapter sleeve	• •
N 7603 Sealing rings N 7604 Light-duty hexagon head screw plugs	• •
N 787 Bolts and screws for T-slots N 16262 PN 6 and PN 16 cocks with adjusting nut and male connection for pressure gauges	• •
N 3404 Lubricating nipples; button head	
N 3405 Lubricating nipples; cupped type N 404 Slotted capstan screws	•
N 42923 Slide rails for rotating electrical machinery	•
N 475 Widths across flats for bolts screws valves and fittings N 557 Square nuts - Product grade C	
N 571 Hexagon head wood screws N 604 Flat countersunk nib bolts	
N 605 Flat countersunk square neck bolts with long square	
N 607 Cup head nib bolts (cup nib bolts) N 608 Flat countersunk square neck bolts with short square	
N 6366 Clutch drive rings for shell end mill arbors N 71412 Lubricating nipples; cone type	
N 7968 Steel hexagon fit bolts for structural steel bolting, for supply with hexagon nuts	•
oundation blocks DIN 799 Form B, mit Nocken für Gewindestift IN 7990 Hexagon head bolts with hexagon nut for structures	
IN 7993 Round Wire Snap Rings IN 7993 Snap Ring Grooves for Shafts	•
N 7993 Snap Ring Grooves for Bores	•
N 806 Lathe centre 60° without nut N 807 Lathe centre 60° with nut	
N 8187 European type roller chains - Simple roller chains  N 8187 European type roller chains - Simple duplex roller chains	•
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N 82101 Components for lifting, towing, lashing - Bolts for shackles, dee N 82101 Components for lifting, towing, lashing - Shackles, dee	
IN 917 Hexagon cap nuts, low type IN 928 Square weld nuts	
N 929 Hexagon weld nuts	•
N 935-3 Hexagon slotted nuts - Part 3: Metric coarse pitch thread; Product grade C N 950 Handwheels, dished - hub hole round or straight square	
N 976-1 Stud bolts - Part 1: Metric thread  N 979 Hexagon thin slotted and castle nuts - Metric coarse and fine pitch thread - Product grades A and B	
N 98 Revolving machine handles; types D and E N 983 Retaining rings with lugs for shafts	•
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N EN 10058 Hot rolled flat steel bars for general purposes  N EN 10059 Hot rolled square steel bars for general purposes	
N EN 10060 Hot rolled round steel bars N EN 10255 Non-Alloy steel tubes suitable for welding and threading	
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N EN 10278 Dimensions and tolerances of bright steel products, Flat N EN 1514-1 Non-metallic flat gaskets, without inserts N EN 1656 Hexagon bolts with flange, heavy series N EN 27436 Slotted set screws with cup point	•
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N EN 10278 Dimensions and tolerances of bright steel products, Flat  V EN 1514-1 Non-metallic flat gaskets, without inserts  V EN 16514-8 Non-metallic flat gaskets, without inserts  V EN 1665 Hexagon boths with flange, heavy series  V EN 27436 Slotted set screws with cup point  V EN ISO 4018 Hexagon head screws - Product grade C  N EN ISO 7046-1 Countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8  V EN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) - Product grade A - Part 2: Property class 8.8	
NEN 10278 Dimensions and tolerances of bright steel products, Flat  VEN 1514-1 Non-metallic flat gaskets, without inserts  EN 1656 Hexagon bolts with flange, heavy series  NEN 27436 Slotted set screws with cup point  EN ISO 7046-1 Countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8  VEN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) - Product grade A - Part 2: Property class 8.8  NEN ISO 7047 Countersunk raised head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 3: Property class 8.8  NEN ISO 7047 Countersunk raised head screws (common head style) with type H or type Z cross recess - Product grade A  VEN ISO 7033-1 Plain washers - Large series, Part 1: Product grade A	
N EN 10278 Dimensions and tolerances of bright steel products, Flat  V EN 1514-1 Non-metallic flat gaskets, without inserts  V EN 16514-1 Non-metallic flat gaskets, without inserts  N EN 1626 Nexagon bolts with flange, heavy series  N EN 27436 Slotted set screws with cup point  V EN ISO 4018 Hexagon head screws. Product grade C  N EN ISO 7046-1 Countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8  N EN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) - Product grade A - Part 2: Property class 8.8  N EN ISO 7047 Countersunk raised head screws (common head style) with type H or type Z cross recess - Product grade A  N EN ISO 7093-1 Plain washers - Large series, Part 1: Product grade A  N EN ISO 7093-2 Plain washers - Large series, Part 2: Product grade C	
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EN 10278 Dimensions and tolerances of bright steel products, Flat   EN 1514-1 Non-metallic flat gaskets, without inserts   EN 1665 Hexagon boils with flange, heavy series   EN 27436 Slotted set screws with cup point   EN ISO 4018 Hexagon head screws - Product grade C   EN ISO 7046-1 Countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8   EN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8   EN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 2: Property class 4.8   EN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) with type H or type Z cross recess - Product grade A     EN ISO 7093-1 Plain washers - Large series, Part 1: Product grade A     EN ISO 7093-2 Plain washers - Large series, Part 2: Product grade C     EN ISO 8735 Parallel pins with internal thread, of hardened and martensitic stainless steel     EN ISO 8736 Grooved pins - Full-length parallel grooved, with pilot     EN ISO 8746 Grooved pins - Half-length reverse taper grooved     EN ISO 8746 Grooved pins with round head     EN ISO 8746 Grooved pins with round head     EN 10241 Steel threaded pipe fittings Cross, equal     EN 10241 Steel threaded pipe fittings Elbow, equal 45 degrees	
I EN 10278 Dimensions and tolerances of bright steel products, Flat I EN 1514-1 Non-metallic flat gaskets, without inserts I EN 1651 Hexagon bolts with flange, heavy series I EN 1654 Hexagon bolts with flange, heavy series I EN 1627436 Slotted set screws with cup point I EN ISO 7046-1 Countersum flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8 I EN ISO 7046-2 Cross recessed countersumk flat head screws (common head style) - Product grade A - Part 2: Property class 8.8 I EN ISO 7046-2 Cross recessed countersumk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 2: Property class 8.8 I EN ISO 7046-2 Cross recessed countersumk flat head screws (common head style) with type H or type Z cross recess - Product grade A I EN ISO 7093-1 Plain washers - Large series, Part 1: Product grade A I EN ISO 7093-2 Plain washers - Large series, Part 2: Product grade C I EN ISO 873-Parallel pins with internal thread, of hardened and martensitic stainless steel I EN ISO 874 Grooved pins - Full-length parallel grooved, with pilot I EN ISO 874 Grooved pins - One-third-length centre grooved I EN ISO 874 Grooved pins with round head I EN 10241 Steel threaded pipe fittings Cross, equal I EN 10241 Steel threaded pipe fittings Elbow, equal I EN 10241 Steel threaded pipe fittings Elbow, equal I EN 10241 Steel threaded pipe fittings Elbow, equal	
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NEN 10278 Dimensions and tolerances of bright steel products, Flat NEN 1514-1 Non-metallic flat gaskets, without inserts NEN 1665 Hexagon bolts with flarge, heavy series NEN 167496 Slotted set screws with cup point NEN 1507496 Slotted set screws with cup point NEN ISO 7046-1 Countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8 NEN ISO 7046-1 Countersunk flat head screws (common head style) - Product grade A - Part 2: Property class 4.8 NEN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) - Product grade A - Part 2: Property class 8.8 NEN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) - Product grade A - Part 2: Product grade A NEN ISO 7037-1 Plain washers - Large series, Part 1: Product grade A NEN ISO 7039-2 Plain washers - Large series, Part 2: Product grade A NEN ISO 7039-2 Plain washers - Large series, Part 2: Product grade A NEN ISO 8735 Parallel pins with internal thread, of hardened and martensitic stainless steel NEN ISO 8735 Grooved pins - Full-length parallel grooved, with pilot NEN ISO 8736 Grooved pins - Pull-length parallel grooved, with pilot NEN ISO 8736 Grooved pins - One-third-length centre grooved NEN ISO 8742 Grooved pins - One-third-length centre grooved NEN ISO 8746 Grooved pins with round head NEN 10241 Steel threaded pipe fittings Cross, equal NEN 10241 Steel threaded pipe fittings Elbow, equal NEN 10241 Steel threaded pipe fittings Elbow, equal NEN 10241 Steel threaded pipe fittings Elbow, male and female, equal NEN 10241 Steel threaded pipe fittings Elbow, male and female, equal NEN 10241 Steel threaded pipe fittings Elbow, male and female, equal NEN 10241 Steel threaded pipe fittings Elbow, male and female, equal NEN 10241 Steel threaded pipe fittings Elbow, male and female, equal NEN 10241 Steel threaded pipe fittings Elbow, male and female, equal NEN 10241 Steel threaded pipe fittings Elbow, and half socket, equal, type heavy	
N EN 10278 Dimensions and tolerances of bright steel products, Flat  N EN 1615 Hexagon bolts with flange, heavy series  N EN 17436 Slotted set screws with cup point  N EN 1807 A184 Revagon had screws - Product grade C  N EN ISO 7046-1 Countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8  N EN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) - Product grade A - Part 2: Property class 8.8  N EN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 2: Property class 8.8  N EN ISO 7046-2 Cross recessed countersunk flat head style) with type H or type Z cross recess - Product grade A  N EN ISO 7033-1 Plain washers - Large series, Part 1: Product grade A  N EN ISO 7033-2 Plain washers - Large series, Part 2: Product grade C  N EN ISO 8735 Parallel pins with internal thread, of hardened and martensitic stainless steel  N EN ISO 8735 Parallel pins with internal thread, of hardened and martensitic stainless steel  N EN ISO 8736 Grooved pins - Full-length parallel grooved, with pilot  N EN ISO 8746 Grooved pins - Half-length reverse taper grooved  N EN ISO 8746 Grooved pins with round head  N EN ISO 8746 Grooved pins with round head  N EN ISO 8745 Grooved pins in Half-length centre grooved  N EN ISO 8746 Grooved pins with round head  N EN 10241 Steel threaded pipe fittings Elbow, equal 45 degrees  N EN 10241 Steel threaded pipe fittings Elbow, equal 45 degrees  N EN 10241 Steel threaded pipe fittings Elbow, equal 45 degrees  N EN 10241 Steel threaded pipe fittings Elbow, equal 47 degrees  N EN 10241 Steel threaded pipe fittings Elbow, equal 48 degrees  N EN 10241 Steel threaded pipe fittings Elbow, equal 48 degrees  N EN 10241 Steel threaded pipe fittings Elbow, equal 49 degrees  N EN 10241 Steel threaded pipe fittings Elbow, equal 49 degrees  N EN 10241 Steel threaded pipe fittings Elbow, equal 49 degrees  N EN 10241 Steel threaded pi	
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NEN 10278 Dimensions and tolerances of bright steel products, Round, Square, Hexagon NEN 10278 Dimensions and tolerances of bright steel products, Flat NEN 16514-1 Non-metallic flat gaskets, without inserts NEN 1665 Hexagon botts with flange, heavy series NEN 1665 Hexagon botts with flange, heavy series NEN 1665 Hexagon head screws with cup point NEN 180 4018 Hexagon head screws - Product grade C NEN 180 7046-1 Countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8 NEN 180 7046-2 Cross recessed countersunk flat head screws (common head style) - Product grade A - Part 2: Property class 8.8 NEN 180 7047 Countersunk raised head screws (common head style) with type H or type Z cross recess - Product grade A - Part 1: Property class 4.8 NEN 180 7047 Countersunk raised head screws (common head style) with type H or type Z cross recess - Product grade A NEN 180 70493-1 Plain washers - Large series, Part 1: Product grade C NEN 180 70493-1 Plain washers - Large series, Part 1: Product grade C NEN 180 70493-2 Plain washers - Large series, Part 1: Product grade C NEN 180 70493-2 Plain washers - Large series, Part 1: Product grade C NEN 180 70493-2 Plain washers - Large series, Part 1: Product grade C NEN 180 70493-2 Plain washers - Large series, Part 1: Product grade C NEN 180 7049-3 Grooved pins - Full-length parallel grooved, with pilot NEN 180 8746 Grooved pins - Full-length reverse taper grooved NEN 180 8746 Grooved pins - Full-length centre grooved NEN 180 8746 Grooved pins - Full-length centre grooved NEN 180 8746 Grooved pins with round head NEN 180 180 8746 Grooved pins with round head NEN 180 180 8746 Grooved pins with round head NEN 180 180 8746 Grooved pins with round head NEN 180 180 8746 Grooved pins with round head NEN 180 180 8746 Grooved pins with round head NEN 180 180 8746 Grooved pins with round head NEN 180 180 8746 Grooved pins (pilot pilot p	
N EN 10278 Dimensions and tolerances of bright steel products, Flat  N EN 1865 Hexagon bolts with llarge, heavy series  N EN 17436 Slotted set screws with cup point  N EN 1805 1818 Hexagon head screws. Product grade C  N EN ISO 7046-1 Countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8  N EN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 2: Property class 8.8  N EN ISO 7046-2 Cross recessed countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 2: Property class 8.8  N EN ISO 7034-2 Plain washers - Large series, Part 1: Product grade A  N EN ISO 7039-1 Plain washers - Large series, Part 1: Product grade A  N EN ISO 7039-2 Plain washers - Large series, Part 1: Product grade A  N EN ISO 8735 Parallel pins with internal thread, of hardened and martensitic stainless steel  N EN ISO 8736 Foroved pins - Full-length parallel grooved, with pilot  N EN ISO 8746 Grooved pins - Hull-length parallel grooved, with pilot  N EN ISO 8746 Grooved pins with round head  N EN ISO 8746 Grooved pins with round head  N EN ISO 8746 Grooved pins with round head  N EN ISO 8746 Grooved pins with round head  N EN ISO 8746 Grooved pins grittings Elbow, equal  N EN 10241 Steel threaded pipe fittings Tee, equal  N EN 10241 Steel threaded pipe fittings Elbow, equal  N EN 10241 Steel threaded pipe fittings Elbow, male and female, equal  N EN 10241 Steel threaded pipe fittings Scoket and half socket, equal, type heavy  N EN 10241 Steel threaded pipe fittings Scoket and half socket, equal, type heavy  N EN 10241 Steel threaded pipe fittings Scoket and half socket, equal, type heavy  N EN 10241 Steel threaded pipe fittings Scoket and half socket, equal, type heavy  N EN 10241 Steel threaded pipe fittings Scoket and half socket, equal, type medium  N EN 10241 Steel threaded pipe fittings Scoket union with flat seat  N EN 102	
N EN 10278 Dimensions and tolerances of bright steel products, Flat  N EN 1651 Hexagon bolts with flange, heavy series  N EN 17436 Slotted set screws with cup point  N EN 1807404 Hexagon head screws - Product grade C  N EN 1807 7046-1 Countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8  N EN 1807 7046-2 Cross recessed countersunk flat head screws (common head style) - Product grade A - Part 2: Property class 8.8  N EN 1807 7046-2 Cross recessed countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8  N EN 1807 7046-2 Cross recessed countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A  N EN 1807 7047 Countersunk raised head screws (common head style) with type H or type Z cross recessed - Product grade A  N EN 1807 7047 Countersunk raised head screws (common head style) with type H or type Z cross recess - Product grade A  N EN 1807 7047 Full masshers - Large series, Part 1: Product grade A  N EN 1807 7047 Full masshers - Large series, Part 2: Product grade A  N EN 1808 7049 2 Plain washers - Large series, Part 2: Product grade A  N EN 1808 735 Parallel pins with internal thread, of hardened and martensitic stainless steel  N EN 1808 743 Grooved pins - Half-length parallel grooved, with pilot  N EN 1808 744 Grooved pins - One-third-length centre grooved  N EN 1808 744 Grooved pins - One-third-length centre grooved  N EN 1808 744 Grooved pins - One-third-length centre grooved  N EN 1804 15teel threaded pipe fittings Cross, equal  N EN 1804 15teel threaded pipe fittings Elow, equal  N EN 1804 15teel threaded pipe fittings Elow, equal  N EN 1804 15teel threaded pipe fittings Scoket and half socket, equal, type heavy  N EN 1804 15teel threaded pipe fittings Scoket and half socket, equal, type heavy  N EN 1804 15teel threaded pipe fittings Square head plug  N EN 1804 15teel threaded pipe fittings Square head plu	
N. EN 10278 Dimensions and tolerances of bright steel products, Flat N. EN 1514-1 Nor-metallic flat gaskets, without inserts N. EN 1665 Hexagon bolts with flange, heavy series N. EN 17496 Slotted set screws with cup point N. EN 1507-018 Hexagon head screws - Product grade C N. EN 150 7046-1 Countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8 N. EN 150 7046-2 Cross recessed countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 4.8 N. EN 150 7047 Countersunk raised head screws (common head style) with type H or type Z cross recess - Product grade A - Part 1: Property class 8.8 N. EN 150 7047 Countersunk raised head screws (common head style) with type H or type Z cross recess - Product grade A N. EN 150 7043-1 Plain washers - Large series, Part 1: Product grade C N. EN 150 7093-2 Plain washers - Large series, Part 1: Product grade C N. EN 150 7093-2 Plain washers - Large series, Part 1: Product grade C N. EN 150 8745 Grooved pins - Full-length parallel grooved, with pilot N. EN 150 8745 Grooved pins - Full-length parallel grooved, with pilot N. EN 150 874 Grooved pins - Full-length parallel grooved, with pilot N. EN 150 8746 Grooved pins with round head N. EN 10241 Steel threaded pipe fittings Tee, equal N. EN 10241 Steel threaded pipe fittings Ebow, equal N. EN 10241 Steel threaded pipe fittings Ebow, equal N. EN 10241 Steel threaded pipe fittings Ebow, male and female, equal N. EN 10241 Steel threaded pipe fittings Ebow, male and female, equal N. EN 10241 Steel threaded pipe fittings Socket and half socket, equal, type medium N. EN 10241 Steel threaded pipe fittings Ebow, equal socket, equal, type medium N. EN 10241 Steel threaded pipe fittings Socket and half socket, equal, type medium N. EN 10241 Steel threaded pipe fittings Socket and half socket, equal, type medium N. EN 10241 Steel threaded pipe fittings Socket union with laper seat N. EN 10241 Steel th	
NEM 10278 Dimensions and tolerances of bright steel products, Flat  NEM 127436 Stotted set screws with cup point  NEM 17436 Stotted set screws with cup point  NEM 1807 1818 Hexagon head screws - Product grade C  NEM 1807 1818 Hexagon head screws - Product grade C  NEM 1807 1818 Hexagon head screws - Product grade C  NEM 1807 1818 Hexagon head screws - Product grade C  NEM 1807 1818 Hexagon head screws - Product grade C  NEM 1807 1818 To 7048-2 Cross recessed countersunk flat head screws (common head style) with type H or type Z cross recessed - Product grade A - Part 1: Property class 8.8  NEM 1807 1808 7048-2 Cross recessed countersunk flat head screws (common head style) - Product grade A - Part 2: Property class 8.8  NEM 1807 1808 7093-1 Plain washers - Large series, Part 1: Product grade A  NEM 1807 1809-3: Plain washers - Large series, Part 1: Product grade A  NEM 1807 1809-3: Plain washers - Large series, Part 2: Product grade C  NEM 1808 739-3: Plain washers - Large series, Part 2: Product grade C  NEM 1808 739-3: Plain washers - Large series, Part 2: Product grade C  NEM 1808 739-3: Plain washers - Large series, Part 2: Product grade C  NEM 1808 739-3: Plain washers - Large series, Part 2: Product grade C  NEM 1808 739-3: Plain washers - Large series, Part 2: Product grade C  NEM 1808 739-3: Plain washers - Large series, Part 2: Product grade C  NEM 1808 739-3: Plain washers - Large series, Part 2: Product grade C  NEM 1808 739-3: Plain washers - Large series, Part 3: Product grade C  NEM 1808 739-3: Plain washers - Large series, Part 3: Product grade C  NEM 1808 739-3: Plain washers - Large series, Part 3: Product grade A  NEM 1808 739-3: Plain washers - Large series, Part 3: Product grade A  NEM 1808 739-3: Plain washers - Large series, Part 3: Product grade A  NEM 1808 739-3: Plain washers - Large series, Part 3: Product grade A  NEM 1808 739-3: Plain washers - Large series, Part 3: Product grade A  NEM 1808 739-3: Plain washers - Large series, Part 3: Product grade A  NEM 1808 739-3: Plain washers -	

Standards	Packages	
DIN EN 10241 Steel threaded pipe fittings Bend 90- Typ1A	50 100 125 150 200 250	EN10241 EN10242 DIN2510
DIN EN 10241 Steel threaded pipe fittings Spring 112,5- Typ2		•
DIN EN 10241 Steel threaded pipe fittings Spring 135- Typ3  DIN EN 10241 Steel threaded pipe fittings Spring 157,5- Typ4		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Elbows A1		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron 45° elbows A1/45°		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Elbows, reducing A1  DIN EN 10242 Threaded pipe fitting in malleable cast iron Male and female elbows A4		
DIN EN 10242 Threaded pipe fitting in malleable cast iron 45° male and female elbows, A4/45°		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Male and female elbows, reducing A4		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Tees B1  DIN EN 10242 Threaded pipe fitting in malleable cast iron Tees reducing on the run and the branch B1, Method a		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Tees reducing on the run and and equal the branch B1, Method a		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Tees increasing on the branch B1		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Tees reducing on the branch B1  DIN EN 10242 Threaded pipe fitting in malleable cast iron Crosses C1		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Crosses, reducing C1		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Short bends D1		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Male and female short bends D4  DIN EN 10242 Threaded pipe fitting in malleable cast iron Pitcher tees E1		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Twin elbows E2		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Twin elbows, reducing E2		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Pitcher tees reducing on the branch and the run E1, Method a  DIN EN 10242 Threaded pipe fitting in malleable cast iron Pitcher tees reducing on the run E1, Method a		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Pitcher tees reducing on the branch E1, Method a		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Long sweep bends G1		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron 45° long sweep bends G1/45  DIN EN 10242 Threaded pipe fitting in malleable cast iron Male and female long sweep bends G4		
DIN EN 10242 Threaded pipe fitting in malleable cast from 45° male and female long sweep bends 45° G4/45  DIN EN 10242 Threaded pipe fitting in malleable cast from 45° male and female long sweep bends 45° G4/45		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Male long sweep bends G8		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Sockets M2, and Sockets, right- and left-hand thread M2 R-L  DIN EN 10242 Threaded pipe fitting in malleable cast iron Sockets, reducing M2		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Male and female sockets M4		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Male and female sockets, reducing M4		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Bushings N4  DIN EN 10242 Threaded pipe fitting in malleable cast iron Hexagon nipples N8, Hexagon nipples, right- and left-hand thread N8 R-L		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Hexagon inpples, requiring N8		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Backnuts P4		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Caps T1  DIN EN 10242 Threaded pipe fitting in malleable cast iron Countersunk plugs T11		•
DIN EN 10242 Threadout pipe fitting in maleable cast iron Polain plugs 111 DIN EN 10242 Threadout pipe fitting in maleable cast iron Polain plugs 13		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Beaded plugs T9		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Unions, flat seat U1  DIN EN 10247 Threaded pipe fitting in malleable cast iron Unions, flat seat U1		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Unions, taper seat U11  DIN EN 10242 Threaded pipe fitting in malleable cast iron Male and female unions, taper seat U12		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Male and female unions, flat seat U2		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Union elbows, flat seat UAI		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Union elbows, taper seat UA11  DIN EN 10242 Threaded pipe fitting in malleable cast iron Gaskets for unions and union elbows, flat seat U1, U2, UA1 und UA2		
DIN EN 10242 Threaded pipe fitting in malleable cast iron Male and female union elbows, flat seat UA2		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Male and female union elbows, taper seat UA12  DIN EN 10047 Threaded pipe fitting in malleable cast iron Male and female union elbows, taper seat UA12		•
DIN EN 10242 Threaded pipe fitting in malleable cast iron Side outlet elbows Za1  DIN EN 10242 Threaded pipe fitting in malleable cast iron Side outlet tees ZA2		
DIN 2510 Cup nuts Type AF regular pattern		•
DIN 2510 Cup nuts Type BF for internal centring using extension sleeve Type D according to DIN 2510 Part 7		•
DIN 2510 Extension Sleeves Type D for centring by the nut  DIN 2510 Extension Sleeves Type E for centring by the outside diameter of the thread		
DIN 2510 Studs GP Metal end Typ G with flat bearing face, Nut end Typ P with long thread		•
DIN 2510 Studs GPO Metal end Typ G with flat bearing face, Nut end Typ P with long thread, for M64 DIN 2510 and upwards are required without hole		•
DIN 2510 Studs GQ Metal end Typ G with flat bearing face, Nut end Typ Q with short thread  DIN 2510 Studs GQO Metal end Typ G with flat bearing face, Nut end Typ Q with short thread, for M64 DIN 2510 and upwards are required without hole		
DIN 2510 Studs GR Metal end Typ G with flat bearing face, Nut end Typ R with long thread and point		•
DIN 2510 Studs GRO Metal end Typ G with flat bearing face, Nut end Typ R with long thread and point, for M64 DIN 2510 and upwards are required without hole  DIN 2510 Studs GS Metal end Typ G with flat bearing face, Nut end Typ S with short thread and point		
Ditt 2510 Stude GSO Metal end Typ G with flat bearing face, Nut end Typ S with short thread and point, for M64 DIN 2510 and upwards are required without hole		
DIN 2510 Studs HP Metal end Typ H with coned bearing face, Nut end Typ P with long thread		•
DIN 2510 Studs HPO Metal end Typ H with coned bearing face, Nut end Typ P with long thread, for M64 DIN 2510 and upwards are required without hole		•
DIN 2510 Studs HQ Metal end Typ H with coned bearing face, Nut end Typ Q with short thread  DIN 2510 Studs HQO Metal end Typ H with coned bearing face, Nut end Typ Q with short thread, for M64 DIN 2510 and upwards are required without hole		
DIN 2510 Studs HR Metal end Typ H with coned bearing face, Nut end Typ R with long thread and point		
DIN 2510 Studs HRO Metal end Typ H with coned bearing face, Nut end Typ R with long thread and point, for M64 DIN 2510 and upwards are required without hole		
DIN 2510 Studs HS Metal end Typ H with coned bearing face, Nut end Typ S with short thread and point  DIN 2510 Studs HSO Metal end Typ H with coned bearing face, Nut end Typ S with short thread and point, for M64 DIN 2510 and upwards are required without hole		•
DIN 2510 Stud-bolts Type K with short thread up to M56 DIN 2510 and for M64 DIN 2510 and upwards		
DIN 2510 Stud-bolts Type KO with short thread for M64 DIN 2510 and upwards are required without hole		•
DIN 2510 Stud-bolts Type KU with short thread and spacer point (only use with cup nuts at both ends) up to M56 DIN 2510 and for M64 DIN 2510 and upwards DIN 2510 Stud-bolts Type KUO with short thread and spacer point (only use with cup nuts at both ends) for M64 DIN 2510 and upwards are required without hole		•
DIN 2510 Stud-bolts Type L with long thread up to M56 DIN 2510		•
DIN 2510 Hexagon nuts Type NF regular pattern		•
DIN 2510 Hexagon nuts Type TF for internal centring using extension sleeve Type D according to DIN 2510 Part 7  DIN 2510 Thread holes for studs Type V For studs with Metal end Typ G, M48 up to M120x6		•
Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY2-000 Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for Study Type Y For study with Metal and Typ G, MY2 up to MY4-000 Ditk 2510 Thread holes for Study Type Y For Study With Metal and Type Type Y F		
DIN 2510 Thread holes for studs Type W For studs with Metal end Typ H, M48 up to M120x6		•
DIN 2510 Thread holes for studs Type W For studs with Metal end Typ H, M12 up to M45  DIN 2510 Stud-bolts Type Z with long thread up to M56 DIN 2510 and for M64 DIN 2510 and upwards		•
DIN 2510 Stud-bolts Type ZO with long thread for M64 DIN 2510 and upwards are required without hole		
DIN 2510 Stud-bolts Type ZU with long thread and spacer point (only use with cup nuts at both ends) up to M56 DIN 2510 and for M64 DIN 2510 and upwards		•
DIN 2510 Stud-bolts Type ZUO with long thread and spacer point (only use with cup nuts at both ends) for M64 DIN 2510 and upwards are required without hole		•