

**Spahr Metric, Inc.
Fasteners & Steel**

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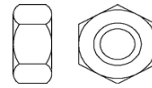
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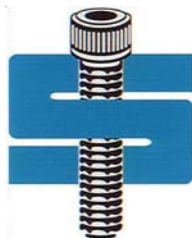
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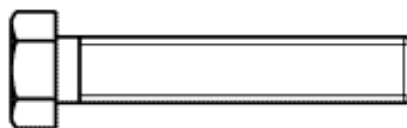
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Winchester, VA 22603

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Spahr Metric, Inc.
Fasteners & Steel



Hex Head Screw Full Thread- 8.8 & S.S. A2 - Din 933/ISO 4017

Article #1300 = Black / #1400 = Zinc / #7025 = S.S. A2

Size: Diameter x Length
M3 x 6
M3 x 8
M3 x 10
M3 x 12
M3 x 14
M3 x 16
M3 x 18
M3 x 25
M3 x 30
M4 x 6
M4 x 8
M4 x 10
M4 x 12
M4 x 14
M4 x 16
M4 x 18
M4 x 20
M4 x 25
M4 x 30
M4 x 35
M4 x 40
M4 x 45
M5 x 6
M5 x 8
M5 x 10
M5 x 12
M5 x 14
M5 x 16
M5 x 18
M5 x 20
M5 x 25
M5 x 30
M5 x 35
M5 x 40

Size: Diameter x Length
M5 x 45
M5 x 50
M5 x 55
M5 x 60
M6 x 6
M6 x 8
M6 x 10
M6 x 12
M6 x 14
M6 x 16
M6 x 18
M6 x 20
M6 x 25
M6 x 30
M6 x 35
M6 x 40
M6 x 45
M6 x 50
M6 x 55
M6 x 60
M6 x 65
M6 x 70
M6 x 80
M6 x 90
M6 x 100
M8 x 8
M8 x 10
M8 x 12
M8 x 14
M8 x 16
M8 x 18
M8 x 20
M8 x 25
M8 x 30

Size: Diameter x Length
M8 x 35
M8 x 40
M8 x 45
M8 x 50
M8 x 60
M8 x 65
M8 x 70
M8 x 80
M8 x 90
M8 x 100
M8 x 110
M8 x 120
M10 x 12
M10 x 14
M10 x 16
M10 x 18
M10 x 20
M10 x 25
M10 x 30
M10 x 35
M10 x 40
M10 x 45
M10 x 50
M10 x 55
M10 x 60
M10 x 65
M10 x 70
M10 x 75
M10 x 80
M10 x 90
M10 x 100
M10 x 110
M10 x 120
M10 x 130

Size: Diameter x Length
M10 x 140
M10 x 150
M12 x 16
M12 x 18
M12 x 20
M12 x 25
M12 x 30
M12 x 35
M12 x 40
M12 x 45
M12 x 50
M12 x 55
M12 x 60
M12 x 65
M12 x 70
M12 x 75
M12 x 80
M12 x 90
M12 x 100
M12 x 110
M12 x 120
M12 x 130
M12 x 140
M12 x 150
M14 x 20
M14 x 25
M14 x 30
M14 x 35
M14 x 40
M14 x 45
M14 x 50
M14 x 55
M14 x 60
M14 x 70

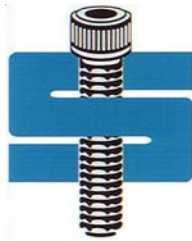
Size: Diameter x Length
M14 x 80
M14 x 90
M14 x 100
M16 x 20
M16 x 25
M16 x 30
M16 x 35
M16 x 40
M16 x 45
M16 x 50
M16 x 55
M16 x 60
M16 x 65
M16 x 70
M16 x 80
M16 x 90
M16 x 100
M16 x 110
M16 x 120
M16 x 130
M16 x 140
M16 x 150
M16 x 160
M16 x 180
M16 x 200
M18 x 30
M18 x 35
M18 x 40
M18 x 45
M18 x 50
M18 x 55
M18 x 60
M18 x 65
M18 x 70

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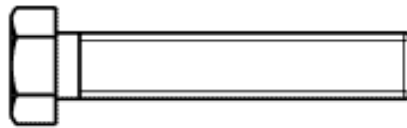
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Hex Head Screw Full Thread- 8.8 & S.S. A2 - Din 933/ISO 4017

Article #1300 = Black / #1400 = Zinc / #7025 = S.S. A2

Size: Diameter x Length
M18 x 80
M18 x 90
M18 x 100
M18 x 120
M18 x 130
M18 x 150
M20 x 30
M20 x 35
M20 x 40
M20 x 45
M20 x 50
M20 x 55
M20 x 60
M20 x 65
M20 x 70
M20 x 80
M20 x 90
M20 x 100
M20 x 110
M20 x 120
M20 x 130
M20 x 140
M20 x 150
M20 x 160
M20 x 200
M24 x 35
M24 x 40
M24 x 45
M24 x 50
M24 x 55
M24 x 60
M24 x 65
M24 x 70
M24 x 80

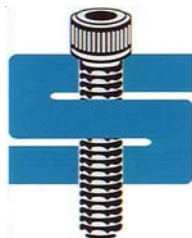
Size: Diameter x Length
M24 x 90
M24 x 100
M24 x 110
M24 x 120
M24 x 130
M24 x 140
M24 x 160
M30 x 50
M30 x 60
M30 x 70
M30 x 80
M30 x 90
M30 x 100
M30 x 110
M30 x 130
M30 x 140
M30 x 160
M30 x 200
M36 x 60
M36 x 70
M36 x 80
M36 x 90
M36 x 100
M36 x 120
M36 x 150
M36 x 200

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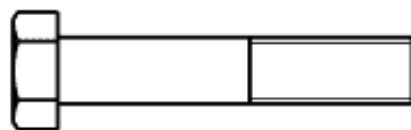
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Hex Head Screw Part Thread - 8.8 & S.S. A2 - Din 931/ISO 4014

Article #1350 = Black / #1450 = Zinc / #7030 = S.S. A2

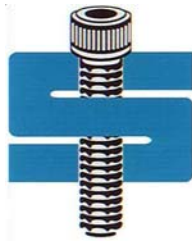
Size: Diameter x Length	Size: Diameter x Length	Size: Diameter x Length	Size: Diameter x Length	Size: Diameter x Length
M3 x 20	M6 x 70	M10 x 90	M14 x 45	M18 x 150
M3 x 25	M6 x 80	M10 x 100	M14 x 50	M18 x 160
M3 x 30	M6 x 90	M10 x 110	M14 x 55	M18 x 180
M3 x 35	M6 x 100	M10 x 120	M14 x 60	M18 x 200
M3 x 40	M6 x 110	M10 x 130	M14 x 65	M18 x 220
M4 x 18	M6 x 120	M10 x 140	M14 x 70	M18 x 240
M4 x 20	M8 x 35	M10 x 150	M14 x 80	M18 x 260
M4 x 25	M8 x 40	M10 x 160	M14 x 90	M18 x 280
M4 x 30	M8 x 45	M10 x 180	M14 x 100	M20 x 60
M4 x 35	M8 x 50	M10 x 200	M14 x 110	M20 x 65
M4 x 40	M8 x 55	M10 x 220	M14 x 120	M20 x 70
M4 x 45	M8 x 60	M12 x 40	M14 x 130	M20 x 75
M4 x 50	M8 x 65	M12 x 45	M14 x 140	M20 x 80
M5 x 25	M8 x 70	M12 x 50	M14 x 150	M20 x 85
M5 x 30	M8 x 80	M12 x 55	M14 x 160	M20 x 90
M5 x 35	M8 x 90	M12 x 60	M14 x 180	M20 x 100
M5 x 40	M8 x 100	M12 x 65	M14 x 200	M20 x 110
M5 x 45	M8 x 110	M12 x 70	M14 x 220	M20 x 120
M5 x 50	M8 x 120	M12 x 80	M14 x 240	M20 x 130
M5 x 55	M8 x 130	M12 x 90	M14 x 260	M20 x 140
M5 x 60	M8 x 140	M12 x 100	M14 x 280	M20 x 150
M5 x 65	M8 x 150	M12 x 110	M14 x 300	M20 x 160
M5 x 70	M8 x 160	M12 x 120	M18 x 55	M20 x 180
M5 x 80	M8 x 180	M12 x 130	M18 x 60	M20 x 200
M6 x 20	M8 x 200	M12 x 140	M18 x 65	M20 x 200
M6 x 25	M10 x 35	M12 x 150	M18 x 70	M20 x 220
M6 x 30	M10 x 40	M12 x 160	M18 x 75	M20 x 240
M6 x 35	M10 x 45	M12 x 180	M18 x 80	M20 x 260
M6 x 40	M10 x 50	M12 x 200	M18 x 90	M20 x 280
M6 x 45	M10 x 55	M12 x 220	M18 x 100	M20 x 300
M6 x 50	M10 x 60	M12 x 240	M18 x 110	M20 x 320
M6 x 55	M10 x 65	M12 x 260	M18 x 120	M20 x 340
M6 x 60	M10 x 70	M12 x 280	M18 x 130	M20 x 360
M6 x 65	M10 x 80	M12 x 300	M18 x 140	M20 x 380

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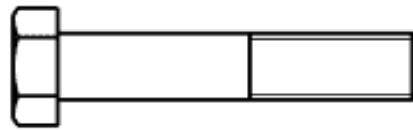
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Hex Head Screw Part Thread - 8.8 & S.S. A2 - Din 931/ISO 4014

Article #1350 = Black / #1450 = Zinc / #7030 = S.S. A2

Size: Diameter x Length
M20 x 400
M20 x 420
M20 x 440
M24 x 70
M24 x 75
M24 x 80
M24 x 90
M24 x 100
M24 x 110
M24 x 120
M24 x 130
M24 x 140
M24 x 150
M24 x 160
M24 x 180
M24 x 200
M24 x 220
M24 x 240
M24 x 260
M24 x 280
M24 x 300
M24 x 320
M24 x 340
M24 x 360
M24 x 380
M24 x 400
M24 x 420
M24 x 440
M24 x 460
M30 x 90
M30 x 100
M30 x 110
M30 x 120
M30 x 130

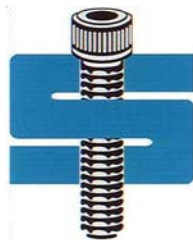
Size: Diameter x Length
M30 x 140
M30 x 150
M30 x 160
M30 x 180
M30 x 200
M30 x 220
M30 x 240
M30 x 260
M30 x 280
M30 x 300
M36 x 110
M36 x 120
M36 x 130
M36 x 140
M36 x 150
M36 x 160
M36 x 180
M36 x 200
M36 x 220
M36 x 240
M36 x 260
M36 x 280
M36 x 300

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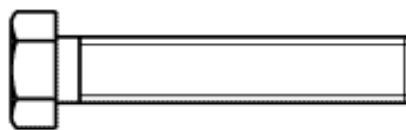
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Hex Head Screw Full Thread - 10.9 - Din 933/ISO 4017

Article #1700 = Black

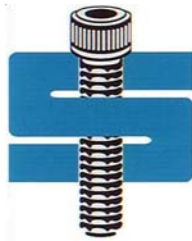
Size: Diameter x Length
M6 x 6
M6 x 10
M6 x 14
M6 x 20
M6 x 25
M8 x 14
M8 x 16
M8 x 20
M8 x 25
M8 x 30
M8 x 35
M8 x 40
M8 x 55
M10 x 20
M10 x 25
M10 x 30
M10 x 35
M10 x 40
M10 x 45
M10 x 50
M14 x 30
M14 x 35
M14 x 40
M14 x 45
M14 x 50
M14 x 80
M14 x 110
M16 x 30
M16 x 35
M16 x 40
M16 x 45
M16 x 50
M16 x 60
M16 x 70

Size: Diameter x Length
M16 x 75
M16 x 80
M20 x 40
M20 x 45
M20 x 50
M20 x 55
M20 x 60
M20 x 70
M20 x 75
M20 x 80

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Spahr Metric, Inc.
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Hex Head Screw Part Thread - 10.9 - Din 933/ISO 4014

Article #1750 = Black

Size: Diameter x Length
M6 x 20
M6 x 25
M6 x 30
M6 x 35
M6 x 40
M6 x 45
M6 x 50
M8 x 30
M8 x 35
M8 x 40
M8 x 45
M8 x 50
M8 x 55
M8 x 60
M8 x 65
M8 x 70
M8 x 80
M8 x 100
M8 x 120
M10 x 35
M10 x 40
M10 x 45
M10 x 50
M10 x 55
M10 x 60
M10 x 65
M10 x 70
M10 x 80
M10 x 90
M10 x 100
M10 x 120
M12 x 40
M12 x 45
M12 x 50

Size: Diameter x Length
M12 x 55
M12 x 60
M12 x 65
M12 x 70
M12 x 80
M12 x 90
M12 x 100
M12 x 110
M12 x 120
M12 x 130
M14 x 50
M14 x 55
M14 x 60
M14 x 70
M14 x 80
M14 x 90
M14 x 100
M14 x 110
M14 x 150
M16 x 50
M16 x 55
M16 x 60
M16 x 65
M16 x 70
M16 x 80
M16 x 90
M16 x 100
M16 x 110
M16 x 120
M16 x 130
M16 x 140
M20 x 70
M20 x 80
M20 x 90

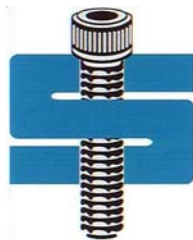
Size: Diameter x Length
M20 x 100
M20 x 110
M20 x 120
M20 x 130
M20 x 140
M20 x 150
M24 x 80
M24 x 90
M24 x 100
M24 x 110
M24 x 120
M24 x 130
M24 x 140
M24 x 150
M24 x 160

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Socket Head Screw Full Thread 8.8, 12.9 & S.S. A2 - Din 912/ISO 4762

Article #2110 = 8.8 / #2010 = 12.9 / #7130 = S.S. A2

Size: Diameter x Length	Size: Diameter x Length	Size: Diameter x Length	Size: Diameter x Length	Size: Diameter x Length
M3 x 4	M5 x 30	M8 x 70	M12 x 90	M20 x 50
M3 x 5	M5 x 35	M8 x 80	M12 x 100	M20 x 55
M3 x 6	M5 x 40	M8 x 90	M14 x 20	M20 x 60
M3 x 8	M5 x 45	M8 x 100	M14 x 25	M20 x 65
M3 x 10	M5 x 50	M10 x 12	M14 x 30	M20 x 70
M3 x 12	M5 x 60	M10 x 14	M14 x 35	M20 x 80
M3 x 14	M5 x 70	M10 x 16	M14 x 40	M20 x 90
M3 x 16	M6 x 6	M10 x 20	M14 x 45	M20 x 100
M3 x 18	M6 x 8	M10 x 25	M14 x 50	M24 x 40
M3 x 20	M6 x 10	M10 x 30	M14 x 55	M24 x 50
M3 x 25	M6 x 12	M10 x 35	M14 x 60	M24 x 55
M3 x 35	M6 x 14	M10 x 40	M14 x 70	M24 x 60
M3 x 40	M6 x 16	M10 x 45	M16 x 20	M24 x 70
M4 x 5	M6 x 18	M10 x 50	M16 x 25	M24 x 80
M4 x 6	M6 x 20	M10 x 60	M16 x 30	M24 x 90
M4 x 8	M6 x 25	M10 x 70	M16 x 35	M24 x 100
M4 x 10	M6 x 30	M10 x 75	M16 x 40	
M4 x 12	M6 x 35	M10 x 80	M16 x 45	
M4 x 14	M6 x 40	M10 x 90	M16 x 50	
M4 x 16	M6 x 45	M10 x 100	M16 x 55	
M4 x 18	M6 x 50	M12 x 16	M16 x 60	
M4 x 20	M6 x 55	M12 x 18	M16 x 70	
M4 x 25	M6 x 60	M12 x 20	M16 x 80	
M4 x 30	M6 x 70	M12 x 25	M16 x 90	
M4 x 40	M6 x 80	M12 x 30	M16 x 100	
M5 x 6	M8 x 8	M12 x 35	M18 x 40	
M5 x 8	M8 x 10	M12 x 40	M18 x 45	
M5 x 10	M8 x 12	M12 x 45	M18 x 50	
M5 x 12	M8 x 14	M12 x 50	M18 x 55	
M5 x 14	M8 x 16	M12 x 55	M18 x 60	
M5 x 16	M8 x 18	M12 x 60	M20 x 30	
M5 x 18	M8 x 20	M12 x 65	M20 x 35	
M5 x 20	M8 x 25	M12 x 70	M20 x 40	
M5 x 25	M8 x 30	M12 x 80	M20 x 45	

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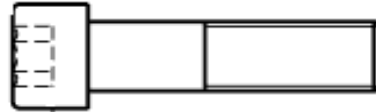
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Socket Head Screw Part Thread 8.8, 12.9 & S.S. A2 - Din 912/ISO 4762
Article #2120 = 8.8 / #2020 = 12.9 / #7131 = S.S. A2

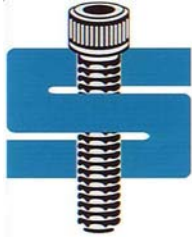
Size: Diameter x Length
M3 x 20
M3 x 25
M3 x 30
M3 x 35
M3 x 40
M4 x 30
M4 x 35
M4 x 40
M4 x 45
M4 x 50
M4 x 60
M4 x 65
M4 x 70
M4 x 80
M5 x 30
M5 x 35
M5 x 40
M5 x 45
M5 x 50
M5 x 55
M5 x 60
M5 x 65
M5 x 70
M5 x 75
M5 x 80
M5 x 85
M5 x 90
M5 x 100
M6 x 20
M6 x 30
M6 x 40
M6 x 45
M6 x 50
M6 x 55

Size: Diameter x Length
M6 x 60
M6 x 65
M6 x 70
M6 x 75
M6 x 85
M6 x 90
M6 x 100
M6 x 110
M6 x 120
M6 x 130
M6 x 140
M6 x 150
M8 x 40
M8 x 45
M8 x 50
M8 x 55
M8 x 60
M8 x 65
M8 x 70
M8 x 75
M8 x 80
M8 x 90
M8 x 100
M8 x 110
M8 x 120
M8 x 130
M8 x 140
M8 x 150
M8 x 160
M8 x 180
M8 x 190
M8 x 200
M10 x 40
M10 x 45

Size: Diameter x Length
M10 x 50
M10 x 55
M10 x 60
M10 x 65
M10 x 70
M10 x 75
M10 x 80
M10 x 90
M10 x 100
M10 x 110
M10 x 120
M10 x 130
M10 x 140
M10 x 150
M10 x 160
M10 x 170
M10 x 180
M10 x 200
M10 x 210
M10 x 220
M10 x 240
M10 x 250
M10 x 260
M12 x 45
M12 x 50
M12 x 55
M12 x 60
M12 x 65
M12 x 70
M12 x 75
M12 x 80
M12 x 85
M12 x 90

Size: Diameter x Length
M12 x 100
M12 x 110
M12 x 120
M12 x 130
M12 x 140
M12 x 150
M12 x 160
M12 x 170
M12 x 180
M12 x 190
M12 x 200
M12 x 220
M12 x 240
M12 x 250
M12 x 260
M12 x 280
M14 x 60
M14 x 65
M14 x 70
M14 x 75
M14 x 85
M14 x 90
M14 x 100
M14 x 110
M14 x 120
M14 x 130
M14 x 140
M14 x 150
M14 x 160
M14 x 180
M14 x 200
M16 x 65
M16 x 70
M16 x 75

Size: Diameter x Length
M16 x 80
M16 x 85
M16 x 90
M16 x 100
M16 x 110
M16 x 120
M16 x 130
M16 x 140
M16 x 150
M16 x 160
M16 x 170
M16 x 180
M16 x 200
M16 x 220
M16 x 240
M16 x 260
M18 x 70
M18 x 75
M18 x 80
M18 x 90
M18 x 100
M18 x 120
M18 x 130
M18 x 140
M18 x 150
M18 x 160
M18 x 180
M20 x 60
M20 x 65
M20 x 70
M20 x 75
M20 x 80
M20 x 90
M20 x 100



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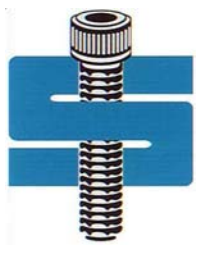
Socket Head Screw Part Thread 8.8, 12.9 & S.S. A2 - Din 912/ISO 4762
Article #2120 = 8.8 / #2020 = 12.9 / #7131 = S.S. A2

Size: Diameter x Length
M20 x 110
M20 x 120
M20 x 130
M20 x 140
M20 x 150
M20 x 160
M20 x 180
M20 x 200
M20 x 220
M20 x 240
M20 x 260
M24 x 80
M24 x 90
M24 x 100
M24 x 110
M24 x 120
M24 x 130
M24 x 140
M24 x 150
M24 x 160
M24 x 180
M24 x 200
M24 x 220
M24 x 240
M24 x 260
M24 x 280

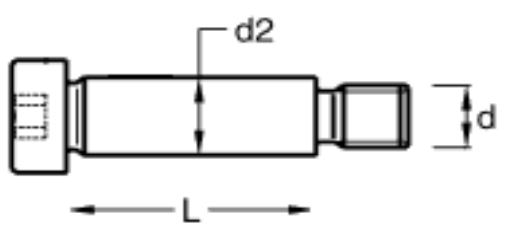
Spahr Metric Inc
421 McGhee Rd
Winchester, VA 22603

Phone: 800-858-3139
Fax: 540-678-3819
web: www.spahrmetric.com

Sales: Christine Dow—email: cdow@spahrmetric.com
Sales: Matt Mowery—email: mmowery@spahrmetric.com



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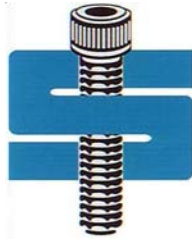


Socket Shoulder Screw - 12.9 & S.S. A2 - ISO 7379

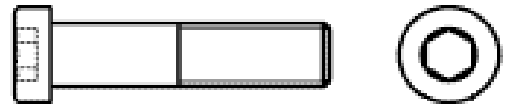
Article #2800 = 12.9 Black / #7132 = S.S. A2

Size: D x D2 x L
M5 x 6 x 10
M5 x 6 x 12
M5 x 6 x 16
M5 x 6 x 20
M5 x 6 x 25
M5 x 6 x 30
M5 x 6 x 40
M5 x 6 x 50
M6 x 8 x 12
M6 x 8 x 16
M6 x 8 x 20
M6 x 8 x 25
M6 x 8 x 30
M6 x 8 x 40
M6 x 8 x 50
M6 x 8 x 60
M6 x 8 x 70
M8 x 10 x 12
M8 x 10 x 16
M8 x 10 x 20
M8 x 10 x 25
M8 x 10 x 30
M8 x 10 x 40
M8 x 10 x 50
M8 x 10 x 60
M8 x 10 x 70
M8 x 10 x 80
M10 x 12 x 16
M10 x 12 x 20
M10 x 12 x 25
M10 x 12 x 30
M10 x 12 x 40
M10 x 12 x 50
M10 x 12 x 60

Size: D x D2 x L
M10 x 12 x 70
M10 x 12 x 80
M10 x 12 x 100
M12 x 16 x 30
M12 x 16 x 40
M12 x 16 x 50
M12 x 16 x 60
M12 x 16 x 70
M12 x 16 x 80
M12 x 16 x 90
M12 x 16 x 100
M12 x 16 x 120
M16 x 20 x 40
M16 x 20 x 50
M16 x 20 x 60
M16 x 20 x 70
M16 x 20 x 80
M16 x 20 x 90
M16 x 20 x 100
M16 x 20 x 120
M20 x 24 x 50
M20 x 24 x 60
M20 x 24 x 70
M20 x 24 x 80
M20 x 24 x 90
M20 x 24 x 100
M20 x 24 x 120



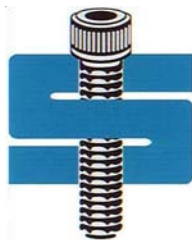
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Socket Low Head Screw - Din 7984 - 8.8 & S.S. A2
Article #2200 - Plain / #7141 = S.S. A2

Size: Diameter x Length
M4 x 6
M4 x 8
M4 x 10
M4 x 12
M4 x 16
M5 x 8
M5 x 10
M5 x 12
M5 x 16
M5 x 20
M5 x 25
M5 x 35
M6 x 8
M6 x 10
M6 x 12
M6 x 16
M6 x 20
M6 x 25
M6 x 30
M6 x 35
M6 x 40
M6 x 50
M6 x 55
M8 x 12
M8 x 16
M8 x 20
M8 x 25
M8 x 30
M8 x 35
M8 x 40
M8 x 45
M8 x 50
M8 x 55
M8 x 60

Size: Diameter x Length
M8 x 65
M8 x 70
M8 x 80
M10 x 16
M10 x 20
M10 x 25
M10 x 30
M10 x 35
M10 x 40
M10 x 50
M10 x 55
M10 x 60
M10 x 70
M12 x 20
M12 x 25
M12 x 35
M12 x 40
M12 x 70
M12 x 80



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Socket Flat Head Screw - 10.9 & S.S. A2 - Din 7991/ISO 10642

Article #2350 = 10.9 / #7540 = S.S. A2

Size: Diameter x Length
M3 x 5
M3 x 6
M3 x 8
M3 x 10
M3 x 12
M3 x 14
M3 x 16
M3 x 18
M3 x 20
M3 x 25
M3 x 30
M4 x 6
M4 x 8
M4 x 10
M4 x 12
M4 x 14
M4 x 16
M4 x 18
M4 x 20
M4 x 25
M4 x 30
M4 x 35
M4 x 50
M5 x 6
M5 x 8
M5 x 10
M5 x 12
M5 x 14
M5 x 16
M5 x 18
M5 x 20
M5 x 25
M5 x 30
M5 x 35

Size: Diameter x Length
M5 x 40
M5 x 45
M5 x 50
M5 x 55
M5 x 60
M5 x 70
M6 x 6
M6 x 8
M6 x 10
M6 x 12
M6 x 14
M6 x 16
M6 x 18
M6 x 20
M6 x 25
M6 x 30
M6 x 35
M6 x 40
M6 x 45
M6 x 50
M6 x 55
M6 x 60
M6 x 70
M6 x 80
M6 x 100
M8 x 10
M8 x 12
M8 x 14
M8 x 16
M8 x 18
M8 x 20
M8 x 25
M8 x 30
M8 x 35

Size: Diameter x Length
M8 x 40
M8 x 45
M8 x 50
M8 x 55
M8 x 60
M8 x 65
M8 x 70
M8 x 75
M8 x 80
M8 x 90
M8 x 100
M10 x 12
M10 x 16
M10 x 20
M10 x 25
M10 x 30
M10 x 35
M10 x 40
M10 x 45
M10 x 50
M10 x 55
M10 x 60
M10 x 65
M10 x 70
M10 x 80
M10 x 90
M10 x 100
M12 x 20
M12 x 25
M12 x 30
M12 x 35
M12 x 40
M12 x 45
M12 x 50

Size: Diameter x Length
M12 x 55
M12 x 60
M12 x 65
M12 x 70
M12 x 75
M12 x 80
M12 x 90
M12 x 100
M12 x 110
M12 x 120
M14 x 30
M14 x 35
M14 x 40
M14 x 45
M14 x 50
M14 x 55
M14 x 60
M14 x 65
M14 x 70
M14 x 80
M14 x 90
M14 x 100
M14 x 120
M16 x 30
M16 x 35
M16 x 40
M16 x 45
M16 x 50
M16 x 55
M16 x 60
M16 x 70
M16 x 80
M16 x 90
M16 x 100

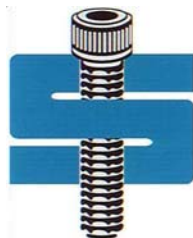
Size: Diameter x Length
M16 x 110
M16 x 120
M20 x 40
M20 x 45
M20 x 50
M20 x 55
M20 x 60
M20 x 70
M20 x 80
M20 x 90
M20 x 100
M20 x 110
M20 x 120

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Sales: Matt Mowery—email: mmowery@spahrmetric.com



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Socket Button Head Screw - 10.9 & S.S. A2 - ISO 7380

Article #2500 / #7140 = S.S. A2

Size: Diameter x Length
M3 x 5
M3 x 6
M3 x 8
M3 x 10
M3 x 12
M3 x 14
M3 x 16
M3 x 18
M3 x 20
M3 x 25
M4 x 6
M4 x 8
M4 x 10
M4 x 12
M4 x 14
M4 x 16
M4 x 18
M4 x 20
M4 x 25
M4 x 30
M4 x 35
M4 x 40
M5 x 6
M5 x 8
M5 x 10
M5 x 12
M5 x 14
M5 x 16
M5 x 18
M5 x 20
M5 x 25
M5 x 30
M5 x 35
M5 x 40

Size: Diameter x Length
M5 x 45
M6 x 6
M6 x 8
M6 x 10
M6 x 12
M6 x 14
M6 x 16
M6 x 18
M6 x 20
M6 x 25
M6 x 30
M6 x 35
M6 x 40
M6 x 45
M6 x 50
M6 x 60
M8 x 8
M8 x 10
M8 x 12
M8 x 14
M8 x 16
M8 x 18
M8 x 20
M8 x 25
M8 x 30
M8 x 35
M8 x 40
M8 x 45
M8 x 50
M8 x 55
M8 x 60
M10 x 12
M10 x 14
M10 x 16

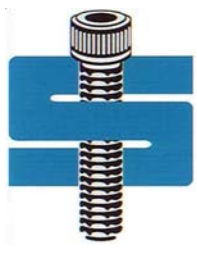
Size: Diameter x Length
M10 x 18
M10 x 20
M10 x 25
M10 x 30
M10 x 35
M10 x 40
M10 x 45
M10 x 50
M10 x 55
M10 x 60
M12 x 16
M12 x 18
M12 x 20
M12 x 25
M12 x 30
M12 x 35
M12 x 40
M12 x 45
M12 x 50
M12 x 60

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Socket Set Screw Flat Point - Din 913/ISO 4026

Article #2400 / #7480 = S.S. A2

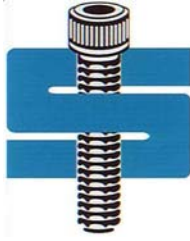
Size: Diameter x Length
M3 x 3
M3 x 4
M3 x 5
M3 x 6
M3 x 8
M3 x 10
M3 x 12
M3 x 14
M3 x 16
M3 x 18
M3 x 20
M3 x 25
M3 x 30
M4 x 4
M4 x 5
M4 x 6
M4 x 8
M4 x 10
M4 x 12
M4 x 14
M4 x 16
M4 x 20
M4 x 25
M4 x 30
M4 x 35
M4 x 40
M5 x 5
M5 x 6
M5 x 8
M5 x 10
M5 x 12
M5 x 14
M5 x 16
M5 x 20

Size: Diameter x Length
M5 x 25
M5 x 30
M5 x 35
M5 x 40
M5 x 45
M5 x 50
M6 x 6
M6 x 8
M6 x 10
M6 x 12
M6 x 14
M6 x 16
M6 x 18
M6 x 20
M6 x 25
M6 x 30
M6 x 40
M6 x 45
M6 x 50
M6 x 55
M6 x 60
M8 x 8
M8 x 10
M8 x 12
M8 x 14
M8 x 16
M8 x 20
M8 x 25
M8 x 30
M8 x 35
M8 x 40
M8 x 45
M8 x 50
M8 x 55

Size: Diameter x Length
M8 x 60
M8 x 70
M8 x 80
M8 x 90
M10 x 10
M10 x 12
M10 x 14
M10 x 16
M10 x 18
M10 x 20
M10 x 25
M10 x 30
M10 x 35
M10 x 40
M10 x 45
M10 x 50
M10 x 55
M10 x 60
M10 x 70
M10 x 80
M10 x 90
M10 x 100
M12 x 12
M12 x 14
M12 x 16
M12 x 18
M12 x 20
M12 x 25
M12 x 30
M12 x 35
M12 x 40
M12 x 45
M12 x 50
M12 x 60

Size: Diameter x Length
M12 x 70
M12 x 80
M12 x 90
M12 x 100
M14 x 16
M14 x 20
M14 x 25
M14 x 30
M14 x 35
M14 x 40
M14 x 45
M14 x 50
M14 x 60
M14 x 70
M14 x 80
M16 x 16
M16 x 20
M16 x 25
M16 x 30
M16 x 35
M16 x 40
M16 x 45
M16 x 50
M16 x 60
M16 x 70
M16 x 80
M16 x 90
M16 x 100
M20 x 20
M20 x 25
M20 x 30
M20 x 35
M20 x 40
M20 x 45

Size: Diameter x Length
M20 x 50
M20 x 55
M20 x 60
M20 x 70
M20 x 80
M20 x 90
M20 x 100
M24 x 25
M24 x 30
M24 x 35
M24 x 40
M24 x 45
M24 x 50
M24 x 55
M24 x 60
M24 x 70
M24 x 80
M24 x 90
M24 x 100



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Socket Set Screw Cone Point - Din 914/ISO 4027

Article #2410 / #7500 = S.S. A2

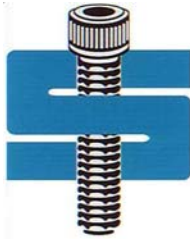
Size: Diameter x Length
M3 x 3
M3 x 4
M3 x 5
M3 x 6
M3 x 8
M3 x 10
M3 x 12
M3 x 14
M3 x 16
M3 x 20
M3 x 25
M4 x 4
M4 x 5
M4 x 6
M4 x 8
M4 x 10
M4 x 12
M4 x 14
M4 x 16
M4 x 20
M4 x 25
M4 x 30
M4 x 35
M4 x 40
M5 x 5
M5 x 6
M5 x 8
M5 x 10
M5 x 12
M5 x 14
M5 x 16
M5 x 20
M5 x 25
M5 x 30

Size: Diameter x Length
M5 x 40
M5 x 45
M5 x 50
M6 x 6
M6 x 8
M6 x 10
M6 x 12
M6 x 14
M6 x 16
M6 x 20
M6 x 25
M6 x 30
M6 x 35
M6 x 40
M6 x 45
M6 x 50
M6 x 60
M8 x 8
M8 x 10
M8 x 12
M8 x 14
M8 x 16
M8 x 20
M8 x 25
M8 x 30
M8 x 35
M8 x 40
M8 x 45
M8 x 50
M8 x 60
M8 x 70
M8 x 80
M10 x 10
M10 x 12

Size: Diameter x Length
M10 x 14
M10 x 16
M10 x 20
M10 x 25
M10 x 30
M10 x 35
M10 x 40
M10 x 45
M10 x 50
M10 x 60
M10 x 70
M10 x 80
M10 x 90
M10 x 100
M12 x 12
M12 x 14
M12 x 16
M12 x 20
M12 x 25
M12 x 30
M12 x 35
M12 x 40
M12 x 45
M12 x 50
M12 x 60
M12 x 70
M12 x 80
M12 x 90
M12 x 100
M14 x 14
M14 x 16
M14 x 20
M14 x 25
M14 x 30

Size: Diameter x Length
M14 x 35
M14 x 40
M14 x 45
M14 x 50
M14 x 60
M14 x 70
M14 x 80
M16 x 16
M16 x 20
M16 x 25
M16 x 30
M16 x 35
M16 x 40
M16 x 45
M16 x 50
M16 x 60
M16 x 70
M16 x 80
M16 x 90
M16 x 100
M20 x 20
M20 x 25
M20 x 30
M20 x 35
M20 x 40
M20 x 45
M20 x 50
M20 x 60
M20 x 70
M20 x 80
M20 x 90
M20 x 100
M24 x 25
M24 x 30

Size: Diameter x Length
M24 x 35
M24 x 40
M24 x 45
M24 x 50
M24 x 60



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Socket Set Screw Dog Point - Din 915/ISO 4028
Article #2420

Size: Diameter x Length
M3 x 3
M3 x 4
M3 x 5
M3 x 6
M3 x 8
M3 x 10
M3 x 12
M3 x 16
M3 x 20
M3 x 25
M4 x 4
M4 x 5
M4 x 6
M4 x 8
M4 x 10
M4 x 12
M4 x 16
M4 x 20
M4 x 25
M4 x 30
M5 x 5
M5 x 6
M5 x 8
M5 x 10
M5 x 12
M5 x 16
M5 x 20
M5 x 25
M5 x 30
M5 x 40
M6 x 6
M6 x 8
M6 x 10
M6 x 12

Size: Diameter x Length
M6 x 16
M6 x 20
M6 x 25
M6 x 30
M6 x 35
M6 x 40
M6 x 45
M6 x 50
M6 x 60
M8 x 8
M8 x 10
M8 x 12
M8 x 16
M8 x 20
M8 x 25
M8 x 30
M8 x 35
M8 x 40
M8 x 45
M8 x 50
M8 x 60
M8 x 70
M10 x 12
M10 x 16
M10 x 20
M10 x 25
M10 x 30
M10 x 35
M10 x 40
M10 x 45
M10 x 50
M10 x 60
M10 x 70
M12 x 12

Size: Diameter x Length
M12 x 16
M12 x 20
M12 x 25
M12 x 30
M12 x 35
M12 x 40
M12 x 45
M12 x 50
M12 x 60
M12 x 70
M16 x 20
M16 x 25
M16 x 30
M16 x 35
M16 x 40
M16 x 45
M16 x 50
M16 x 60
M16 x 70
M16 x 80
M16 x 90
M16 x 100
M20 x 25
M20 x 30
M20 x 35
M20 x 40
M20 x 45
M20 x 50
M20 x 60
M20 x 70
M20 x 100



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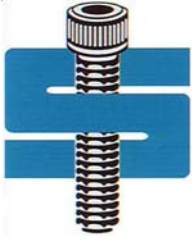


Socket Set Screw Cup Point - Din 916/ISO 4029
Article #2430 / #7520 = S.S. A2

Size: Diameter x Length
M3 x 3
M3 x 4
M3 x 5
M3 x 6
M3 x 8
M3 x 10
M3 x 12
M3 x 16
M3 x 20
M3 x 25
M4 x 4
M4 x 5
M4 x 6
M4 x 8
M4 x 10
M4 x 12
M4 x 16
M4 x 20
M4 x 25
M4 x 30
M5 x 5
M5 x 6
M5 x 8
M5 x 10
M5 x 12
M5 x 16
M5 x 20
M5 x 25
M5 x 30
M5 x 40
M6 x 6
M6 x 8
M6 x 10
M6 x 12

Size: Diameter x Length
M6 x 16
M6 x 20
M6 x 25
M6 x 30
M6 x 35
M6 x 40
M6 x 45
M6 x 50
M6 x 60
M8 x 8
M8 x 10
M8 x 12
M8 x 16
M8 x 20
M8 x 25
M8 x 30
M8 x 35
M8 x 40
M8 x 45
M8 x 50
M8 x 60
M8 x 70
M10 x 12
M10 x 16
M10 x 20
M10 x 25
M10 x 30
M10 x 35
M10 x 40
M10 x 45
M10 x 50
M10 x 60
M10 x 70
M12 x 12

Size: Diameter x Length
M12 x 16
M12 x 20
M12 x 25
M12 x 30
M12 x 35
M12 x 40
M12 x 45
M12 x 50
M12 x 60
M12 x 70
M16 x 20
M16 x 25
M16 x 30
M16 x 35
M16 x 40
M16 x 45
M16 x 50
M16 x 60
M16 x 70
M16 x 80
M16 x 90
M16 x 100
M20 x 25
M20 x 30
M20 x 35
M20 x 40
M20 x 45
M20 x 50
M20 x 60
M20 x 70
M20 x 100



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Threaded Rod

Din 975 - 4.8 & 8.8

1 Meter Lengths

Article #6580 = 4.8

Article #6650 = 8.8

Article #7250 = S.S. A2

Threaded Rod

Fine Thread

Din 975 - 4.8

1 Meter Lengths

Article #6600 = Plain

Threaded Rod

Trapezoidal

Din 103 - 4.6

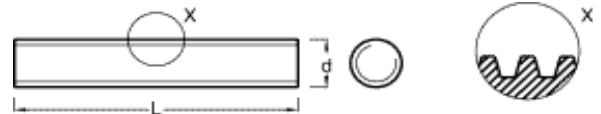
1 Meter Lengths

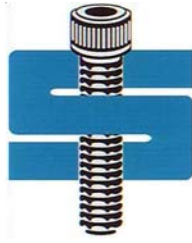
Article #6685 = Plain

Size: Diameter
M2
M2.5
M3
M4
M5
M6
M8
M10
M12
M14
M16
M18
M20
M24
M30
M36
M42

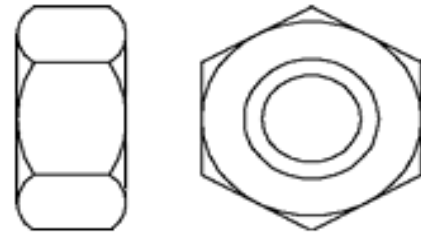
Size: Diameter
M8 x 1
M10 x 1
M10 x 1.25
M12 x 1.25
M12 x 1.5
M14 x 1
M14 x 1.5
M16 x 1.5
M18 x 1.5
M18 x 2
M20 x 1.5
M20 x 2
M24 x 1.5
M24 x 2
M30 x 1.5

Size: Diameter
M14
M16
M18
M20
M22
M24





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Hex Nut Steel 8 & S.S.

Din 934/ISO 4032

Article #4011 = Black

Article #4020 = Zinc

Article #7330 = S.S. A2

Hex Nut Steel 8 & S.S. A2 / Fine Thread

Din 934/ISO 8673

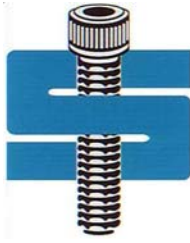
Article #4120 = Black

Article #4125 = Zinc

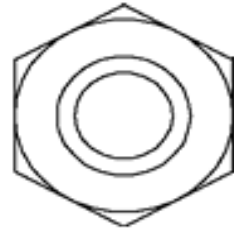
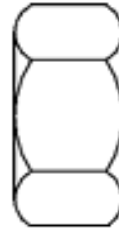
Article #7331 = S.S. A2

Size Diameter x Pitch
M2 x .4
M2.5 x .45
M3 x .5
M4 x .7
M5 x .8
M6 x 1
M8 x 1.25
M10 x 1.5
M12 x 1.75
M14 x M2
M16 x 2
M18 x 2.5
M20 x 2.5
M24 x 3
M30 x 3.5
M36 x 4
M42 x 4.5
M48 x 5
M56 x 5.5

Size Diameter x Pitch
M8 x 1
M10 x 1
M10 x 1.25
M12 x 1
M12 x 1.25
M12 x 1.5
M14 x 1.5
M16 x 1.5
M18 x 1.5
M18 x 2
M20 x 1.5
M20 x 2
M24 x 1.5
M24 x 2
M30 x 2
M36 x 2
M36 x 3
M42 x 3



**Spahr Metric, Inc.
Fasteners & Steel**



**Left Hand Hex Nut
Din 934/ISO 4032
Article #4086 = Black
Article # 4088 = Zinc**

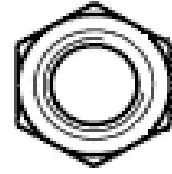
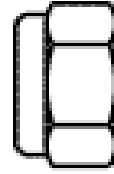
**Left Hand Hex Nut / Fine Thread
Din 934/ISO 8673
Article #4087 = Black**

Size: Diameter x Pitch
M3 x .5
M4 x .7
M5 x .8
M6 x 1
M8 x 1.25
M10 x 1.5
M12 x 1.75
M14 x M2
M16 x 2
M18 x 2.5
M20 x 2.5
M24 x 3
M30 x 3.5
M36 x 4
M42 x 4.5
M48 x 5
M56 x 5.5

Size: Diameter x Pitch
M8 x 1
M10 x 1
M10 x 1.25
M12 x 1.25
M12 x 1.5
M14 x 1.5
M16 x 1.5
M18 x 2
M20 x 1.5
M20 x 2
M24 x 1.5
M24 x 2
M30 x 2
M36 x 1.5
M36 x 3
M42 x 3



Spahr Metric, Inc.
Fasteners & Steel



Nylon Insert Lock Nut
Din 985/ISO 10511
Article # 4305 = Zinc
Article #7460 = S.S. A2

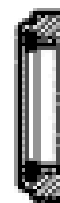
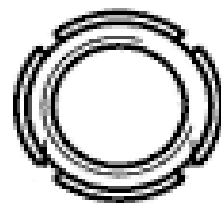
Nylon Insert Lock Nut / Fine Thread
Din 985/ISO 10511
Article # 4315 = Zinc

Size: Diameter x Pitch
M2 x .4
M2.5 x .45
M3 x .5
M4 x .7
M5 x .8
M6 x 1
M7 x 1
M8 x 1.25
M10 x 1.5
M12 x 1.75
M14 x M2
M16 x 2
M18 x 2.5
M20 x 2.5
M24 x 3
M30 x 3.5
M36 x 4
M42 x 4.5
M45 x 5
M48 x 5

Size: Diameter x Pitch
M8 x 1
M10 x 1
M10 x 1.25
M12 x 1
M12 x 1.25
M12 x 1.5
M14 x 1.5
M16 x 1.5
M18 x 1.5
M18 x 2
M20 x 1.5
M20 x 2
M24 x 1.5
M24 x 2
M30 x 2
M36 x 2



Spahr Metric, Inc.
Fasteners & Steel



SKF Slotted Shaft Nut

Din 981

Article #4023

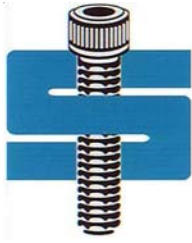
Nominal Size	Size: Diameter x Pitch
KM 0	M10 x .75
KM 1	M12 x 1
KM 2	M15 x 1
KM 3	M17 x 1
KM 4	M20 x 1
KM 5	M25 x 1.5
KM 6	M30 x 1.5
KM 7	M35 x 1.5
KM 8	M40 x 1.5
KM 9	M45 x 1.5
KM 10	M50 x 1.2
KM 11	M55 x 2
KM 12	M60 x 2
KM 13	M65 x 2
KM 14	M70 x 2
KM 15	M75 x 2
KM 16	M80 x 2
KM 17	M85 x 2
KM 18	M90 x 2
KM 19	M95 x 2
KM 20	M100 x 2
KM 21	M105 x 2
KM 22	M110 x 2
KM 23	M115 x 2
KM 24	M120 x 2

Nominal Size	Size: Diameter x Pitch
KM 25	M125 x 2
KM 26	M130 x 2
KM 27	M135 x 2
KM 28	M140 x 2
KM 29	M145 x 2
KM 30	M150 x 2
KM 31	M155 x 3
KM 32	M160 x 3
KM 33	M165 x 3
KM 34	M170 x 3
KM 36	M180 x 3
KM 38	M190 x 3
KM 40	M200 x 3

Spahr Metric Inc
421 McGhee Rd
Winchester, VA 22603

Phone: 800-858-3139
Fax: 540-678-3819
web: www.spahrmetric.com

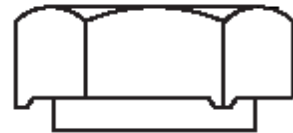
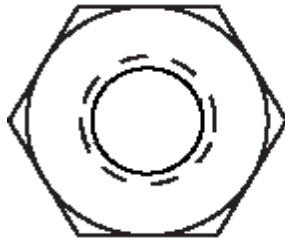
Sales: Christine Dow—email: cdow@spahrmetric.com
Sales: Matt Mowery—email: mmowery@spahrmetric.com



Spahr Metric, Inc.
Fasteners & Steel

Hex Weld Nut
Din 929
Article #4150

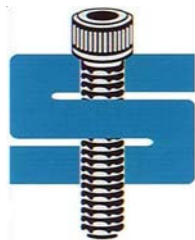
Size: Diameter x Pitch
M3 x .5
M4 x .7
M5 x .8
M6 x 1
M8 x 1.25
M8 x 1
M10 x 1.5
M10 x 1
M12 x 1.75
M14 x 2
M16 x 2



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Sales: Matt Mowery—email: mmowery@spahrmetric.com



**Spahr Metric, Inc.
Fasteners & Steel**

Flat Washer

Din 125 A / ISO 7089
Article #4436 = Black
Article #4430 = Zinc
Article #7160 = S.S. A2

Oversized Washer

Din 9021A / ISO 7093
Article #4461 = Black
Article #4465 = Zinc
Article #7180 = S.S. A2

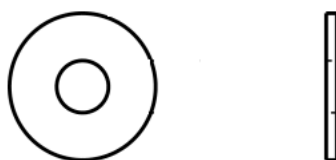
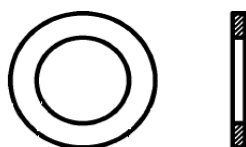
Small OD Washer

Din 433 / ISO 7092
Article #4450 = Zinc
Article #7184 = S.S. A2

Size: Diameter
M2
M2.5
M3
M3.5
M4
M5
M6
M7
M8
M10
M12
M14
M16
M18
M20
M24
M30

Size: Diameter
M3
M4
M5
M6
M8
M10
M12
M14
M16
M18
M20

Size: Diameter
M2
M2.5
M3
M4
M5
M6
M8
M10
M12
M16
M18
M20





**Spahr Metric, Inc.
Fasteners & Steel**

**Spring Lock Washer
Din 127 B**

Article #4635 = Black
Article #4545 = Zinc
Article #7576 = S.S. A2

**Curved Spring
Lock Washer**

Din 128A
Article #4665 = Zinc

**SCHNORR Type “S”
Lock Washer**

Article #4585 = Black

Size: Diameter
M2
M2.5
M3
M4
M5
M6
M8
M10
M12
M14
M16
M18
M20
M24
M30
M36
M42

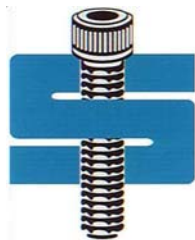


Size: Diameter
M3
M4
M5
M6
M8
M10
M12
M14
M16
M18
M20



Size: Diameter
M2
M3
M4
M5
M6
M7
M8
M10
M12
M14
M16
M18
M20





**Spahr Metric, Inc.
Fasteners & Steel**

**Serrated Lock Washer
Din 6798 A
Article #4820 = Zinc**

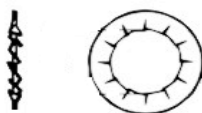
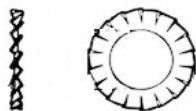
**Serrated Lock Washer
Din 6798 J
Article #4830 = Zinc**

**Serrated Lock Washer
Din 6798 V
Article #4840 = Zinc**

Size: Diameter
M2
M2.5
M3
M3.5
M4
M5
M6
M7
M8
M10
M12
M14
M16
M18
M20
M24
M30

Size: Diameter
M2
M2.5
M3
M3.5
M4
M5
M6
M7
M8
M10
M12
M14
M16
M18
M20
M24
M30

Size: Diameter
M3
M4
M5
M6
M8
M10
M12





**Spahr Metric, Inc.
Fasteners & Steel**

Toothed Washer

External

Din 6797 A

Article #4870 = Zinc

Toothed Washer

Internal

Din 6797 J

Article #4880 = Zinc

Conical Spring Washer

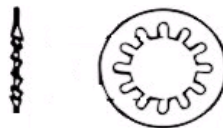
Din 6796

Article #4730 = Black

Size: Diameter
M2
M2.5
M3
M3.5
M4
M5
M6
M7
M8
M10
M12
M14
M16
M18
M20
M24

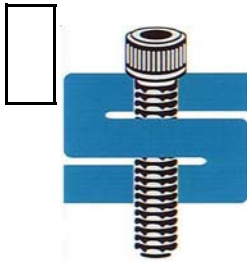


Size: Diameter
M2
M2.5
M3
M3.5
M4
M5
M6
M7
M8
M10
M12
M14
M16
M18
M20
M24



Size: Diameter
M2
M2.5
M3
M4
M5
M6
M8
M10
M12
M14
M16
M18
M20
M24





Spahr Metric, Inc.
Fasteners & Steel



Ex. Retaining Ring

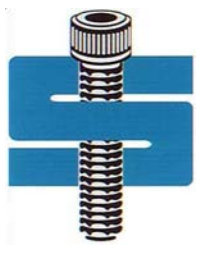
Din 471

Article #4900 = Black

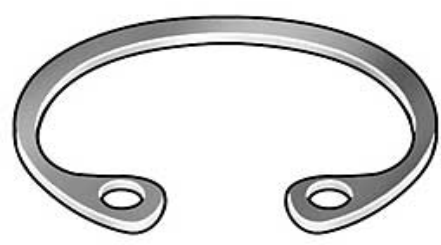
Size: Diameter
A 3
A 4
A 5
A 6
A 7
A 8
A 9
A 10
A 11
A 12
A 13
A 14
A 15
A 16
A 17
A 18
A 19
A 20
A 21
A 22
A 23
A 24
A 25
A 26
A 27
A 28
A 29
A 30
A 31
A 32
A 33
A 34
A 35
A 36

Size: Diameter
A 37
A 38
A 39
A 40
A 42
A 44
A 45
A 46
A 47
A 48
A 50
A 52
A 54
A 55
A 56
A 57
A 58
A 60
A 62
A 63
A 65
A 67
A 68
A 70
A 72
A 75
A 77
A 78
A 80
A 82
A 85
A 87
A 88
A 90

Size: Diameter
A 92
A 95
A 97
A 98
A 100
A 102
A 105
A 107
A 108
A 110
A 112
A 115
A 120
A 125
A 130
A 135
A 140
A 145
A 150
A 155
A 160
A 165
A 170
A 175
A 180
A 185
A 190
A 195
A 200



Spahr Metric, Inc.
Fasteners & Steel



In. Retaining Ring

Din 472

Article #4910 = Black

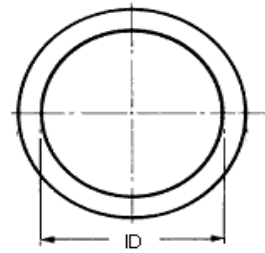
Size: Diameter
M8
M9
M10
M11
M12
M13
M14
M15
M16
M17
M18
M19
M20
M21
M22
M23
M24
M25
M26
M27
M28
M29
M30
M31
M32
M33
M34
M35
M36
M37
M38
M39
M40
M41

Size: Diameter
M42
M43
M44
M45
M46
M47
M48
M50
M51
M52
M53
M54
M55
M56
M57
M58
M60
M62
M63
M65
M67
M68
M70
M72
M75
M77
M78
M80
M82
M85
M87
M88
M90
M92

Size: Diameter
M95
M97
M100
M102
M105
M107
M108
M110
M112
M115
M120
M125
M130
M135
M140
M145
M150
M155
M160
M165
M170
M175
M180
M185
M190
M195
M200



Spahr Metric, Inc.
Fasteners & Steel



Precision Shim Ring

Din 988

Article #4950 = Plain

Size: ID x H
M3 x .1
M3 x .2
M3 x .3
M3 x .5
M3 x 1
M4 x .1
M4 x .2
M4 x .3
M4 x .5
M4 x 1
M5 x .1
M5 x .2
M5 x .3
M5 x .5
M5 x 1
M6 x .1
M6 x .2
M6 x .3
M6 x .5
M8 x .1
M8 x .2
M8 x .3
M8 x .5
M8 x 1
M10 x .1
M10 x .2
M10 x .3
M10 x .5
M10 x 1
M12 x .1
M12 x .2
M12 x .3
M12 x .5
M12 x 1

Size: ID x H
M13 x .3
M13 x 1
M14 x .1
M14 x .2
M14 x .3
M14 x .5
M14 x 1
M15 x .1
M15 x .2
M15 x .3
M15 x .5
M15 x 1
M16 x .1
M16 x .2
M16 x .3
M16 x .5
M16 x 1
M17 x .1
M17 x .2
M17 x .3
M17 x .5
M17 x 1
M18 x .1
M18 x .2
M18 x .3
M18 x .5
M18 x 1
M20 x .1
M20 x .2
M20 x .3
M20 x .5
M20 x 1
M22 x .1
M22 x .2

Size: ID x H
M22 x .3
M22 x .5
M22 x 1
M25 x .1
M25 x .2
M25 x .3
M25 x .5
M25 x 1
M26 x .1
M26 x .2
M26 x .3
M26 x .5
M26 x 1
M30 x .1
M30 x .2
M30 x .3
M30 x .5
M30 x 1
M35 x .1
M35 x .2
M35 x .3
M35 x .5
M35 x 1
M37 x .1
M37 x 1
M40 x .1
M40 x .2
M40 x .3
M40 x .5
M40 x 1
M45 x .1
M45 x .2
M45 x .3
M45 x .5

Size: ID x H
M45 x 1
M50 x .1
M50 x .2
M50 x .3
M50 x 1



Spahr Metric, Inc. Fasteners & Steel

Additional products also available:

Hex Flange Bolt - Din 6921
Hex Locking Screw - Verbus RIPP - CL100
Banjo Bolt (Short & Long) - Din 7643
Hex Head Cap Screw - Full Thread - Fine Thread - Din 960
Hex Head Cap Screw - Part Thread - Fine Thread - Din 961
Safety Screw - Inbus RIPP
Hex Key - Din 911
Slotted Flat Head Wood Screw - Din 97
Slotted Round Head Wood Screw - Din 96
Machine Screw - Din 84
Slotted Flat Head Screw - Din 963
Pan Head Tapping Screw - Din 7971
Thread Rolling Screw - Din 7985
Lock Nut High Type - Din 980 M & V
Lock Nut Thin Type - BN-175
Knurled Nut, High - Din 466
Knurled Nut, Thin - Din 467
Dome Nut - Din 1587
Wing Nut - Din 315 (Rounded Ears)
Coupling Nut - Din 6334
Castellated/Slotted Nut - Din 935
Hex Flange Nut - Din 6923
All Metal Prevailing Torque Lock Nut - Din 980V
Countersunk Finishing Washer - SN 13192
Conical Spring Washer - Din 6796
Spring Lock Washer - Din 7980

Nord-Lock - Cam Lock Washer
Split Pin - Din 94
Taper Pin - h10 - Din 7978A
Taper Pin - Din 7977
Dowel Pin - h8 - Din 7
Dowel Pin - HG - m6 - Din 6325
Dowel Pin - HG - Din 7979D
Grooved Taper Pin - Din 1471
Grooved Pin - Din 1472 - S2
Grooved Pin - Din 1469
Flat Head Groove Pin - Din 1477
Round Head Groove Pin - Din 1476
Spring Pin - Heavy - Din 1481
Spring Pin - Light - Din 7346
Threaded Pin - Din 976A
Collar - Din 7075A
Precision Taper Pin - H & G
Distance Sleeve

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Phone: 800-858-3139
Fax: 540-678-3819
web: www.spahrmetric.com

Sales: Christine Dow—email: cdow@spahrmetric.com
Sales: Matt Mowery—email: mmowery@spahrmetric.com

DIN Specifications

DIN 1 — Taper Pins	DIN 261 — Tee-head bolts
DIN 7 — Dowel Pins	DIN 302 — Countersunk head rivets
DIN 84A — Slotted Cheese head machine screws	DIN 315 — Wing nuts
DIN 84 Z1 — Slott. cheese hd assem. scr. w/capt. f/w	DIN 316 — Wing screws
DIN 85 A — Slotted pan head machine screws	DIN 404 — Slotted drilled fillister head screws
DIN 93 — Tab washers with long tab	DIN 417 — Slotted set screws with full dog point
DIN 94 — Cotter pins	DIN 427 — Slotted headless screws
DIN 95 — Slotted oval head machine screws	DIN 431 — Jam nut, hexagonal
DIN 96 — Slotted round head wood screws	DIN 432 — External tab washer
DIN 97 — Slotted flat head wood screws	DIN 433 — Flat washer with reduced O.D.
DIN 103 —Trapezoidal threaded rod	DIN 434 — Square bevel washer: 8%
DIN 124 — Round head rivets	DIN 435 — Square bevel washer: 14%
DIN 125 A — Flat washer without chamfer	DIN 436 — Square washer
DIN 125 B — Flat washer with chamfer	DIN 438 — Slotted set screw with cup point
DIN 126 — Flat washer without chamfer	DIN 439 A — Hexagon nuts - 0,5d unchamfered
DIN 127A — Split lock washer with bend ends	DIN 439 B — Hexagon nuts - 0,5d chamfered
DIN 127 B — Split lock washer with flat ends	DIN 440 R — Round washers for wood constructions
DIN 128 A — Split spring washers, curved	DIN 443 A — Sealing push in caps
DIN 128 B — Split spring washers, waved	DIN 444 A — Eye bolts
DIN 137 A — Spring washer, curved	DIN 462 — Internal tab washers
DIN 137 B — Spring washer, waved	DIN 463 — Tab washers with long and short tab
DIN 186 A — Tee-head bolts with square head	DIN 464 — Knurled thumb screws
DIN 188 — Tee-head bolts with double nip	DIN 465 — Slotted knurled thumb screws
DIN 258 — Taper pins with external thread	DIN 466 — Knurled nuts, full

DIN 467 — Flat knurled nuts	DIN 564 — Hex set screw w/half dog pt. and cone end
DIN 470 — Sealing washers	DIN 571 — Hexagon lag screws
DIN 471 — External retaining rings	DIN 580 — Lifting eye bolts
DIN 472 — Internal retaining rings	DIN 582 — Lifting eye nuts
DIN 478 — Square head bolts	DIN 601 — Hexagon bolts with hexagon nuts
DIN 479 — Square head bolts	DIN 603 Mu — Carriage bolts with hexagon nuts
DIN 480 — Square head bolts	DIN 604 — Flat countersunk nip bolts with hex nuts
DIN 525 — Weld studs with hexagon nuts	DIN 605 — Flat countersunk square neck bolts
DIN 529 A — Anchor bolts (stone bolt)	DIN 607 Mu — Round head nip bolts with nuts
DIN 529 B — Anchor bolts (stone bolt)	DIN 608 — Countersunk square bolts (short neck)
DIN 529 C — Masonry bolts with hexagon nuts	DIN 609 — Hex fitting bolts w/long threaded portion
DIN 529 D — Anchor bolts (stone bolt)	DIN 610 — Hex fitting bolts w/ short threaded portion
DIN 529 E — Foundation bolts with hexagon nuts	DIN 653 — Flat knurled thumb screws
DIN 529 F — Anchor bolts (stone bolt)	DIN 660 — Round head rivets
DIN 546 — Slotted round nuts	DIN 661 — Countersunk head rivets
DIN 547 — Round nuts with drilled holes in one face	DIN 662 — Mushroom head rivets
DIN 548 — Round nuts with set pin hole in side	DIN 674 — Oval (Bracier) head rivets
DIN 551 — Slotted set screws with flat point	DIN 675 — Flat countersunk head rivets
DIN 553 — Slotted set screws with cone point	DIN 705 A — Shaft collars
DIN 555 — Hexagon nuts - 0,8d	DIN 787 — T-bolts for machine-tool table-slot
DIN 557 — Square nuts	DIN 792 — Cylindrical countersunk screws
DIN 558 — Fully threaded matching bolts	DIN 797 — Special foundation bolts
DIN 561 B — Hexagon set screw with full dog point	DIN 798 — Special foundation nuts
DIN 562 — Square thin nuts	DIN 833 — Stud for cast iron

DIN 834 — Stud for cast iron	DIN 929 — Hexagon weld nuts
DIN 835 Fo — Studs, tap ends - 2d	DIN 931 — Hexagon cap screws partially threaded
DIN 836 — Stud for aluminium	DIN 933 — Hexagon cap screws fully threaded
DIN 906 — Hexagon socket pipe plugs	DIN 933 Sz — Hexagon cap screws with slot
DIN 907 — Core plugs	DIN 934 — Hexagon nuts - 0,8d
DIN 908 — Hexagon socket screw plugs	DIN 935 — Castle nuts
DIN 909 — Hexagon head pipe plugs	DIN 936 — Hexagon jam nuts
DIN 910 — Hexagon head screw plugs	DIN 937 — Hexagon thin slotted and castle nuts
DIN 911 — Hexagon socket screw keys	DIN 938 — Studs, tap end - 1d
DIN 912 — Socket head cap screws	DIN 939 — Studs, tap end - 1,25d
DIN 913 — Socket set screws with flat point	DIN 940 — Studs, tap end - 2,5d
DIN 914 — Socket set screws with cone point	DIN 960 — Hex cap screws, metric fine thread - part thread
DIN 915 — Socket set screws with dog point	DIN 961 — Hex cap screws, metric fine thread - full thread
DIN 916 — Socket set screws with cup point	DIN 963 A — Slotted flat head machine screws
DIN 917 — Hexagon cup nuts - low pattern	DIN 964 A — Slotted oval head machine screws
DIN 920 — Slotted pan head screws, small head	DIN 965 A — Cross recessed flat head machine screws
DIN 921 — Slotted pan head screws with large head	DIN 966 A — Cross recessed oval head machine screws
DIN 922 — Pan head screws with small head and dog point	DIN 970 — Hex nuts style 1, prod. grade A+B
DIN 923 — Slotted pan head screws with shoulder	DIN 971/1 — Hex nuts style 1, metric fine thread
DIN 924 — Oval head screws with dog point	DIN 971/2 — Hex nuts style 2, metric fine thread
DIN 925 — Flat head screws with dog point	DIN 972 — Hex nuts style 1, product grade C
DIN 926 — Slotted headless screws with full dog point	DIN 975 — Threaded rods
DIN 927 — Slotted shoulder screws	DIN 976 B — Full threaded studs
DIN 928 — Square weld nuts	DIN 979 — Thin slotted and castle nuts

DIN Specifications

DIN 980 V — Self-locking nuts; all metal construction	DIN 1441 — Flat washers for clevis pins, coarse
DIN 981 — Lock nuts for rolling bearings	DIN 1443 — Clevis pins without head
DIN 982 — Self- locking nuts w/nylon insert: heavy series	DIN 1444 — Clevis pins with head
DIN 983 — External retaining rings with lugs	DIN 1445 — Clevis pins with head and threaded portion
DIN 984 — Internal retaining rings with lugs	DIN 1469 — Grooved pins half length grooved
DIN 985 — Self locking nuts w/locking insert: standard series	DIN 1470 — Grooved pins full length parallel grooved
DIN 986 — Self locking domed cap nuts with nylon insert	DIN 1480 — Turnbuckles
DIN 988 — Shim washers	DIN 1481 — Spring pins, heavy duty
DIN 1151 B — Flat head nails	DIN 1587 — Hexagon domed cap nuts , full pattern
DIN 1433 — Clevis pins without head	DIN 1804 w — Slotted round nuts
DIN 1434 — Clevis pins w/out hold for split pins	DIN 1816 — Round nuts with set pin holes
DIN 1435 — Clevis pins with small head	DIN 2093 A,B,C — Dics springs (Belleville type)
DIN 1436 — Clevis pins with large head	DIN 2509 — Double end studs
DIN 1440 — Flat washers with clevis pins, medium	DIN 2510 L — Stud bolts with reduced shank
DIN 1471 — Grooved pins full length taper grooved	DIN 2510 NF — Hexagon nuts for stud bolts
DIN 1472 — Grooved pins half length taper grooved	DIN 3017 — Hose clamps
DIN 1473 — Grooved pins full lngth paralld grooved	DIN 3090 — Wire robe thimbles
DIN 1474 — Grooved pins half length reverse grooved	DIN 3570 A — U-Bolts
DIN 1475 — Grooved pins third length center grooved	DIN 5401 — Balls: hardened ground and polished
DIN 1476 — Round head grooved pins	DIN 5406 — Lock washers for lock nuts Din 981
DIN 1477 — Flat countersunk head grooved pins	DIN 6325 — Parallel pins hardened
DIN 1479 — Turnbuckle nuts	DIN 6330 — Hexagon nuts - 1,5d

DIN 6331 — Hexagon nuts with collar	DIN 6914 — Hex bolts for high strength struct. bolting
DIN 6334 — Hexagon nuts - 3d	DIN 6915 — Hex nuts for high strength struc. bolting
DIN 6340 — Plain washers hardened	DIN 6916 — Washers for high strength structural bolting
DIN 6796 — Conical spring washers (Belleville type)	DIN 6917 — Structural bevel washers: 14%
DIN 6797 A+J — Internal/external tooth lock washers	DIN 6918 — Structural bevel washers: 8%
DIN 6797 AZ — Tooth lock washers (type AZ)	DIN 6921 — Hexagonal flange bolts
DIN 6797 IZ — Tooth lock washers (type JZ)	DIN 6923 — Hexagonal flange nuts
DIN 6797 AZV — Tooth lock washers (type AZV)	DIN 6924 — Self-locking hex nuts, non-metallic insert
DIN 6798 A+J — Serrated lock washers	DIN 6925 — Self-locking nuts, all-metal construction
DIN 6798 AZ — Serrated lock washers (type AZ)	DIN 6926 — Self-locking hex flange nuts: non metallic insert
DIN 6798 IZ — Serrated lock washers (type JZ)	DIN 6927 — Self locking hex flange nuts: all-metal construction
DIN 6798 AZV — Serrated lock washers (type AZV)	DIN 7331 A — Compression rivets
DIN 6798 V — 90degree Countersunk serrated lock washers	DIN 7338 A,B,C — Rivets for brake and clutch linings
DIN 6799 — Circlips for shafts	DIN 7339 — Tubular rivets
DIN 6880 — Bright key stock	DIN 7340 A — Tubular rivets with flat head
DIN 6885 A — Parallel keys, round ended	DIN 7341 A — Rivet pins
DIN 6885 B — Parallel keys, square ended	DIN 7341 B — Rivet pins
DIN 6887 — Taper keys with gid head	DIN 7343 — Coiled pins, medium duty
DIN 6888 — Woodruff keys	DIN 7344 — Coiled pins, heavy duty
DIN 6900 — Screw and washer assemblies (Sems)	DIN 7346 — Spring type straight pins light duty
DIN 6901-6908 — Tapping screws assemblies (Sems)	DIN 7349 — Flat washers with large ext. diameter
DIN 6911 — Hexagon socket screw keys with pilot	DIN 7500 A — Slotted cheese head thread forming screws
DIN 6912 — Low head socket cap screws with pilot	DIN 7500 C — Cross rec. pan head thread forming screws
DIN 6913 — Spring washers with safety rings	DIN 7500 D — Hexagon head thread forming screws

DIN 7500 K — Flat head thread forming screws	DIN 7976 BZ — Hexagon head tapping screws
DIN 7500 M — Cross rec, flat head thread forming screws	DIN 7977 — Taper pins with external thread
DIN 7504 K,N,P — Self drilling screws with tapping screws thread	DIN 7978 A — Taper pins with internal thread
DIN 7513 A — Hex head thread cutting screws	DIN 7979 — Dowel pins with internal thread
DIN 7513 B — Cheese head thread cutting screws	DIN 7980 — Hi-collar lock washers
DIN 7513 C — Selftapping screws - round head	DIN 7981 B(BZ) — Cross recessed pan head tapping screws
DIN 7513 D — Selftapping screws - flat head	DIN 7982 B — Cross rec. flat hd tapping scrws, hd angle 80
DIN 7513 E — Selftapping screws - oval head	DIN 7983 B — Cross rec. oval hd tapping scrw, hd angle 80
DIN 7513 F — Flat head thread cutting screws	DIN 7984 — Socket low head cap screws
DIN 7514 — Drive screw, round head	DIN 7985 A — Cross recessed pan head machine screws
DIN 7515 — Drive screws, flat head	DIN 7985 Z1 — Cr. rec. pan head screws w/captive flt. washer
DIN 7516 A,B,C,D,E — Thread cutting screws, corss rec. head screws	DIN 7985 Z4 — Cr. rec. pan head screws w/captive l/washer
DIN 7603 A+C — Sealing rings	DIN 7989 A — Washers for steel constructions
DIN 7604 A+C — Hexagon head pipe plugs	DIN 7990 — Hexagon bolts for steel structures
DIN 7964 — Hexagon bolts with reduced shank	DIN 7991 — Flat socket head cap screws
DIN 7965 — Screwed inserts	DIN 7992 — Tee-head bolts with large head
DIN 7967 — Safety nuts PAL (R)	DIN DIN 7993 A — Snap rings for shafts
DIN 7968 — Hexagon fit bolts for steel structures	DIN 7993 B — Snap rings for bores
DIN 7969 — Countersunk head bolts with forged slot	DIN 7995 — Cross recessed oval head wood screws
DIN 7971 B(BZ) — Slotted pan head tapping screws	DIN 7996 — Cross recessed round head wood screws
DIN 7972 B(BZ) — Slott. flat hd tapping screws, hd angle 80 deg.	DIN 7997 — Cross recessed flat head wood screws
DIN 7973 B — Slott. oval hd tapping screws, hd angle 80 deg	DIN 9021 B — Washer, plain, large

DIN Specifications

DIN 15237 — Screw for belt, large head, plate shape

DIN 16903 (A+S) — Insert nuts for plastic mouldings

DIN 22424 A — Triangular head screws

DIN 22425 — Triangle nuts with collar

DIN 25195 — Countersunk bolts with double nip

DIN 32501 — Weld studs

DIN 46288 A — Connecting washers for terminals

DIN 46288 B — Connecting washers for terminals

DIN 70952 A — Locking plates for slotted round nuts

DIN 71022 — Slotted screwed sealing plugs

DIN 71412 — Grease fittings 45 degree

DIN 71412 — Grease fittings 90 degree

DIN 71752 — Clevis yokes

DIN 71803 A — Ball studs with threaded neck for angle joints

DIN 71803 B — Ball studs with rivet neck for angle joints

DIN 71805 A,B — Ball seats with snap ring for angle joints

DIN 74361 A,B,C — Spring washers for disc wheels

DIN 80705 — Small pattern hex nuts