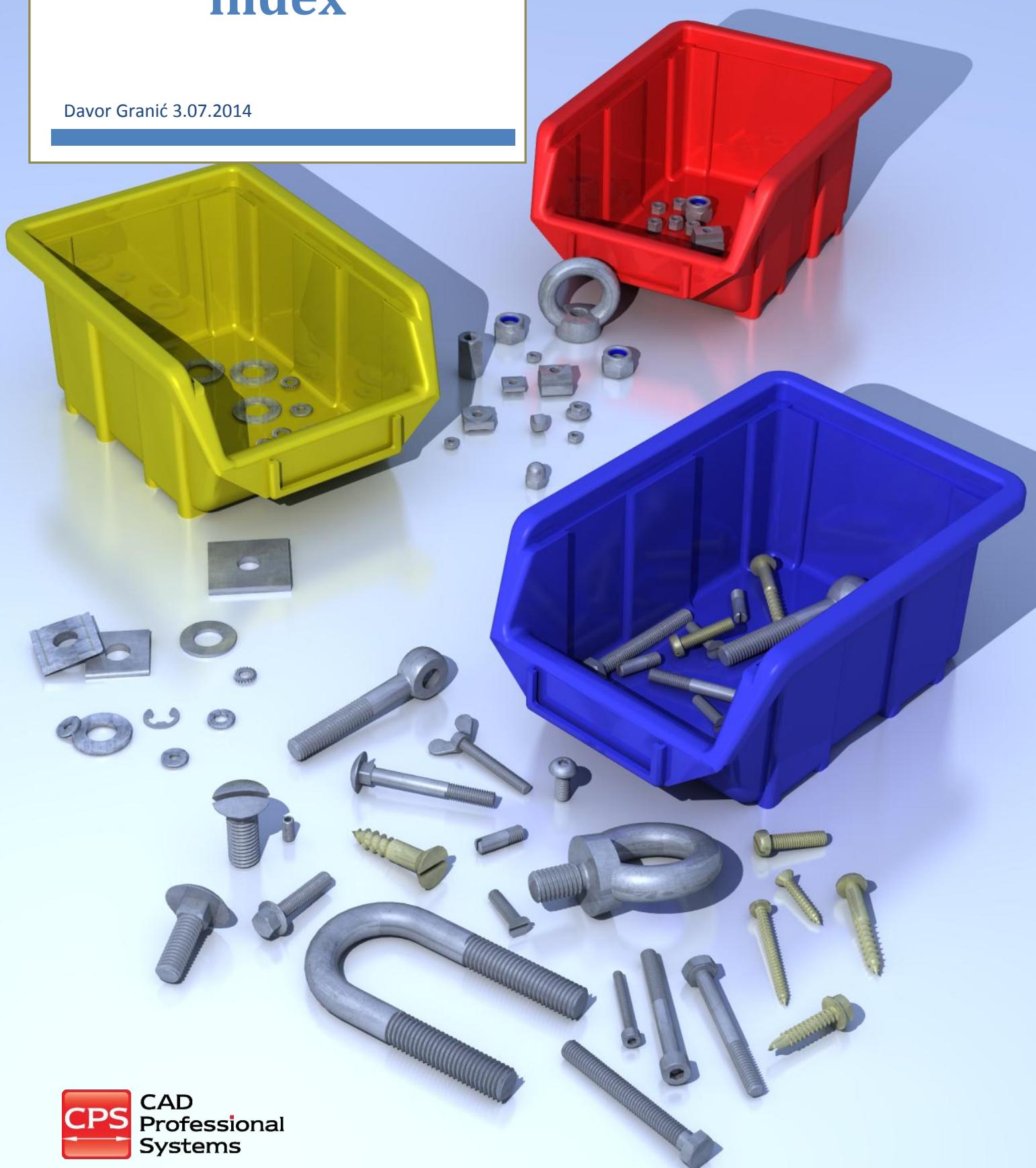


Index of all fastener standards and dimensions that are given in 3 Creo 2.0 parts that make Fastener library.

Fastener library

index

Davor Granić 3.07.2014



Contents

| | |
|--|----|
| BOLTS / SCREWS/NAILS (bolt_universal.prt)..... | 3 |
| DIN 84 / ISO 1207 | 3 |
| DIN 85 / ISO 1580 | 3 |
| DIN 315 | 4 |
| DIN 427 | 4 |
| DIN 444 | 5 |
| DIN 464 | 5 |
| DIN 551 / ISO 7434 | 6 |
| DIN 580 / ISO 3266 | 6 |
| DIN 603 / ISO 8677 Partial thread | 7 |
| DIN 603 / ISO 8677 | 7 |
| DIN 653 | 7 |
| DIN 912 / ISO 4762 Partial thread | 8 |
| DIN 912 / ISO 4762 | 8 |
| DIN 913 / ISO 4029 | 9 |
| DIN 931 / ISO 4029 | 9 |
| DIN 933 / ISO 4017 | 10 |
| DIN 938 | 11 |
| DIN 963 / ISO 2009 | 12 |
| DIN 964 / ISO 2010 | 12 |
| DIN 975 | 13 |
| DIN EN 1024 Countersink head | 13 |
| DIN EN 1024 Flat head | 14 |
| DIN 3570 | 14 |
| DIN 6921 / ISO 1665 | 15 |
| DIN 7991 / ISO 10642 | 15 |
| DIN 7991 / ISO 10642 Partial thread | 16 |
| ISO 7380 | 17 |
| DIN 96 | 17 |
| DIN 97 | 18 |
| DIN7504K / ISO15480 | 18 |
| DIN 7981 / ISO7049 | 19 |
| DIN 7982/ ISO7050 | 19 |
| NUTS / RIVET INSERTS (nut_universal.prt)..... | 20 |
| DIN 315 | 20 |
| DIN439B / ISO4035 | 20 |

| | |
|--------------------------------------|----|
| DIN466..... | 20 |
| DIN467..... | 20 |
| DIN508/ ISO 299..... | 20 |
| DIN 555 / ISO 4034..... | 21 |
| DIN 562..... | 21 |
| DIN 582 / ISO3266..... | 21 |
| DIN 917..... | 21 |
| DIN 928..... | 21 |
| DIN935..... | 21 |
| DIN 982..... | 22 |
| DIN 985 / ISO 7040..... | 22 |
| DIN 1587..... | 22 |
| DIN 1624..... | 22 |
| DIN 1804..... | 22 |
| DIN 6334..... | 23 |
| DIN 6923..... | 23 |
| DIN 7965..... | 23 |
| UPO Rivet nut insert..... | 23 |
| WASHERS (washer_universal.prt) | 24 |
| DIN 125A / ISO 7089..... | 24 |
| DIN 127..... | 24 |
| DIN 433 / ISO 7092..... | 24 |
| DIN 435..... | 24 |
| DIN 436..... | 24 |
| DIN 462..... | 25 |
| DIN 988..... | 25 |
| DIN 6796..... | 25 |
| DIN 6798A..... | 25 |
| DIN 6799..... | 25 |
| DIN 9021..... | 26 |

BOLTS / SCREWS/NAILS (bolt_universal.prt)



DIN 84 / ISO 1207

76 parts

| L\ M | M2 | M2.5 | M3 | M4 | M5 | M6 | M8 | M10 | M14 | M16 | M20 | M24 | M30 |
|------|----|------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 4 | * | | | | | | | | | | | | |
| 5 | * | * | * | | | | | | | | | | |
| 6 | * | * | * | | | * | | | | | | | |
| 8 | * | * | * | * | | * | | | | | | | |
| 10 | * | * | * | * | * | * | | | | | | | |
| 12 | * | * | * | * | * | * | | | | | | | |
| 16 | * | * | * | * | * | * | * | | | | | | |
| 20 | * | | * | * | * | * | * | * | | | | | |
| 25 | | | * | * | * | * | * | * | * | | | | |
| 30 | | | * | * | * | * | * | * | * | | | | |
| 35 | | | * | * | * | * | * | * | * | | | | |
| 40 | | | * | * | * | * | * | * | * | | | | |
| 45 | | | | * | * | * | * | * | * | | | | |
| 50 | | | | * | * | * | * | * | * | | | | |
| 60 | | | | | | * | * | * | * | | | | |



DIN 85 / ISO 1580

64 parts

| L\ M | M2 | M2.5 | M3 | M4 | M5 | M6 | M8 | M10 | M14 | M16 | M20 | M24 | M30 |
|------|----|------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 4 | | | | | | | | | | | | | |
| 5 | * | * | * | | | | | | | | | | |
| 6 | * | * | * | * | | | | | | | | | |
| 8 | * | * | * | * | * | | | | | | | | |
| 10 | * | * | * | * | * | * | * | | | | | | |
| 12 | * | * | * | * | * | * | * | | | | | | |
| 16 | * | * | * | * | * | * | * | | | | | | |
| 20 | | | * | * | * | * | * | * | * | | | | |
| 25 | | | * | * | * | * | * | * | * | | | | |
| 30 | | | | * | * | * | * | * | * | | | | |
| 35 | | | | * | * | * | * | * | * | | | | |
| 40 | | | | * | * | * | * | * | * | | | | |
| 45 | | | | | | * | * | * | * | | | | |
| 50 | | | | | | | * | * | | | | | |

**DIN 315**

69 parts

| L\ M | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M20 | M22 | M24 | |
|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|--|
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 8 | * | * | | | | | | | | | | |
| 10 | * | * | * | * | | | | | | | | |
| 12 | * | * | * | * | | | | | | | | |
| 16 | * | * | * | * | * | * | | | | | | |
| 20 | * | * | * | * | * | * | * | | | | | |
| 25 | * | * | * | * | * | * | * | | | | | |
| 30 | * | * | * | * | * | * | * | * | * | * | | |
| 35 | | * | * | * | * | * | * | * | | | | |
| 40 | | * | * | * | * | * | * | * | | | | |
| 50 | | | * | * | * | * | * | * | * | * | | |
| 60 | | | | * | * | * | | | * | | | |
| 70 | | | | | | * | | | | | | |
| 80 | | | | | | * | | | * | * | * | |

**DIN 427**

56 parts

| L\ M | M2 | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M18 | M20 |
|------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 4 | | | | | | | | | | | | |
| 5 | * | | | | | | | | | | | |
| 6 | * | * | | | | | | | | | | |
| 8 | * | * | * | | | | | | | | | |
| 10 | | * | * | * | | | | | | | | |
| 12 | * | * | * | * | | | | | | | | |
| 14 | | | * | * | * | | | | | | | |
| 16 | * | * | * | * | * | | | | | | | |
| 20 | * | | | * | * | * | | | | | | |
| 25 | | | | | | * | * | * | * | | | |
| 30 | | | | | | | * | * | * | * | * | |
| 35 | | | | | | | * | * | * | * | * | * |
| 40 | | | | | | | | * | * | * | * | * |
| 45 | | | | | | | | | * | * | * | * |
| 50 | | | | | | | | | | * | * | * |
| 55 | | | | | | | | | | * | * | |
| 60 | | | | | | | | | | * | * | |

**DIN 444**

17 parts

| L\ M | M5 | M6 | M8 | M10 | M12 | M16 | M20 |
|------|----|----|----|-----|-----|-----|-----|
| 50 | * | * | * | * | | | |
| 75 | * | * | * | * | * | * | |
| 100 | | | | | * | * | * |
| 130 | | | | | * | * | * |
| 160 | | | | | | | * |

**DIN 464**

38 parts

| L\ M | M3 | M4 | M5 | M6 | M8 | M10 |
|------|----|----|----|----|----|-----|
| 8 | * | * | | | | |
| 10 | * | * | * | * | | |
| 12 | * | * | * | * | | |
| 16 | * | * | * | * | * | * |
| 20 | * | * | * | * | * | * |
| 25 | | * | * | * | * | * |
| 30 | | * | * | * | * | * |
| 35 | | | | * | * | * |
| 40 | | | | * | * | * |



DIN 551 / ISO 7434

69 parts

| L\ M | M2 | M3 | M4 | M5 | M6 | M8 | M10 | M12 |
|------|----|----|----|----|----|----|-----|-----|
| 2 | * | | | | | | | |
| 3 | * | * | | | | | | |
| 4 | * | * | * | | | | | |
| 5 | * | * | * | * | | | | |
| 6 | * | * | * | * | * | | | |
| 8 | * | * | * | * | * | * | | |
| 10 | * | * | * | * | * | * | * | |
| 12 | | * | * | * | * | * | * | * |
| 16 | | * | * | * | * | * | * | * |
| 20 | | | * | * | * | * | * | * |
| 25 | | | | * | * | * | * | * |
| 30 | | | | | * | * | * | * |
| 35 | | | | | | * | * | * |
| 40 | | | | | | * | * | * |
| 45 | | | | | | | * | * |
| 50 | | | | | | | * | * |
| 55 | | | | | | | | * |
| 60 | | | | | | | | * |



DIN 580 / ISO 3266

11 parts

| L\ M | M8 | M10 | M12 | M16 | M20 | M24 | M30 | M36 | M42 | M48 | M56 |
|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 13 | * | | | | | | | | | | |
| 17 | | * | | | | | | | | | |
| 20.5 | | | * | | | | | | | | |
| 27 | | | | * | | | | | | | |
| 30 | | | | | * | | | | | | |
| 36 | | | | | | * | | | | | |
| 45 | | | | | | | * | | | | |
| 54 | | | | | | | | * | | | |
| 63 | | | | | | | | | * | | |
| 68 | | | | | | | | | | * | |
| 78 | | | | | | | | | | | * |



DIN 603 / ISO 8677 Partial thread
21 parts

| L\ M | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M18 | M20 |
|------|----|----|----|-----|-----|-----|-----|-----|-----|
| 25 | * | * | | | | | | | |
| 30 | * | * | * | | | | | | |
| 35 | * | * | * | * | | | | | |
| 40 | * | * | * | * | | | | | |
| 45 | * | * | * | * | | | | | |
| 50 | * | * | * | * | | | | | |



DIN 603 / ISO 8677
30 parts

| L\ M | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M18 | M20 |
|------|----|----|----|-----|-----|-----|-----|-----|-----|
| 16 | * | * | | | | | | | |
| 20 | * | * | * | * | | | | | |
| 25 | * | * | * | * | | | | | |
| 30 | * | * | * | * | | | | | |
| 35 | * | * | * | * | | | | | |
| 40 | * | * | * | * | | | | | |
| 45 | * | * | * | * | | | | | |
| 50 | * | * | * | * | | | | | |



DIN 653
32 parts

| L\ M | M3 | M4 | M5 | M6 | M8 | M10 |
|------|----|----|----|----|----|-----|
| 6 | * | | | | | |
| 8 | * | * | | | | |
| 10 | * | * | * | | | |
| 12 | * | * | * | * | | |
| 16 | * | * | * | * | * | |
| 20 | * | * | * | * | * | * |
| 25 | | | * | * | * | * |
| 30 | | | * | * | * | * |
| 35 | | | | | * | * |
| 40 | | | | | | * |



DIN 912 / ISO 4762 Partial thread
44parts

| L\ M | M5 | M6 | M8 | M10 | M12 | M16 |
|------|----|----|----|-----|-----|-----|
| 35 | * | * | | | | |
| 40 | * | * | * | | | |
| 45 | * | * | * | * | | |
| 50 | * | * | * | * | | |
| 55 | * | * | * | * | * | |
| 60 | * | * | * | * | * | |
| 65 | * | * | * | * | * | * |
| 70 | * | * | * | * | * | * |
| 80 | | | | | * | * |
| 90 | | | | | * | * |
| 100 | | | | | * | * |
| 110 | | | | | | * |
| 120 | | | | | | * |



DIN 912 / ISO 4762
95 parts

| L\ M | M2 | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 |
|------|----|----|----|----|----|----|-----|-----|-----|
| 6 | * | | | | | | | | |
| 8 | * | * | * | * | | | | | |
| 10 | * | * | * | * | * | | | | |
| 12 | * | * | * | * | * | | | | |
| 16 | | * | * | * | * | * | * | * | * |
| 20 | | * | * | * | * | * | * | * | * |
| 25 | | * | * | * | * | * | * | * | * |
| 30 | | * | * | * | * | * | * | * | * |
| 35 | | | * | * | * | * | * | * | * |
| 40 | | | * | * | * | * | * | * | * |
| 45 | | | | * | * | * | * | * | * |
| 50 | | | | * | * | * | * | * | * |
| 55 | | | | * | * | * | * | * | * |
| 60 | | | | * | * | * | * | * | |
| 64 | | | | * | * | * | * | * | * |
| 70 | | | | * | * | * | * | * | * |
| 80 | | | | | | | | * | * |
| 90 | | | | | | | | * | * |
| 100 | | | | | | | | * | * |
| 110 | | | | | | | | | * |
| 120 | | | | | | | | | * |



DIN 913 / ISO 4029

68parts

| L\ M | M2 | M3 | M4 | M5 | M6 | M8 | M10 | M12 |
|------|----|----|----|----|----|----|-----|-----|
| 3 | * | * | | | | | | |
| 4 | * | * | * | | | | | |
| 5 | * | * | * | * | | | | |
| 6 | * | * | * | * | * | | | |
| 8 | * | * | * | * | * | * | | |
| 10 | * | * | * | * | * | * | * | |
| 12 | | * | * | * | * | * | * | * |
| 16 | | * | * | * | * | * | * | * |
| 20 | | | * | * | * | * | * | * |
| 25 | | | | * | * | * | * | * |
| 30 | | | | | * | * | * | * |
| 35 | | | | | | * | * | * |
| 40 | | | | | | * | * | * |
| 45 | | | | | | | * | * |
| 50 | | | | | | | * | * |
| 55 | | | | | | | | * |
| 60 | | | | | | | | * |



DIN 931 / ISO 4029

167parts

| L\ M | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M22 | M24 | M27 | M30 | M33 | M36 |
|------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 25 | * | | | | | | | | | | | | |
| 30 | * | * | | | | | | | | | | | |
| 35 | * | * | * | | | | | | | | | | |
| 40 | * | * | * | * | | | | | | | | | |
| 45 | * | * | * | * | * | | | | | | | | |
| 50 | * | * | * | * | * | | | | | | | | |
| 55 | | | | | | * | | | | | | | |
| 60 | | | * | * | * | * | | | | | | | |
| 65 | | | | | | | * | | | | | | |
| 70 | | | * | * | * | * | * | * | * | | | | |
| 75 | | | | | | | | * | * | | | | |
| 80 | | | | * | * | * | * | * | * | * | * | | |
| 90 | | | | * | * | * | * | * | * | * | * | * | |
| 100 | | | | * | * | * | * | * | * | * | * | * | * |
| 110 | | | | * | * | * | * | * | * | * | * | * | * |
| 120 | | | | * | * | * | * | * | * | * | * | * | * |
| 130 | | | | * | * | * | * | * | * | * | * | * | * |
| 140 | | | | | * | * | * | * | * | * | * | * | * |
| 150 | | | | | * | * | * | * | * | * | * | * | * |
| 160 | | | | | | * | * | * | * | * | * | * | * |
| 170 | | | | | | | * | * | * | * | * | * | * |

| | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 190 | | | | | * | * | * | * | * | * | * | * | * |
| 200 | | | | | * | * | * | * | * | * | * | * | * |
| 210 | | | | | * | * | * | * | * | * | * | * | * |
| 220 | | | | | * | * | * | * | * | * | * | * | * |
| 230 | | | | | | | | | | * | * | * | * |
| 240 | | | | | | | | | | * | * | * | * |
| 250 | | | | | | | | | | * | * | * | * |
| 260 | | | | | | | | | * | * | * | * | * |



DIN 933 / ISO 4017
282 parts

| L\ M | M2 | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M22 | M24 | M27 | M30 | M33 | M36 |
|------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 6 | * | * | * | * | | | | | | | | | | | | |
| 8 | * | * | * | * | | | | | | | | | | | | |
| 10 | * | * | * | * | * | | | | | | | | | | | |
| 12 | * | * | * | * | * | * | | | | | | | | | | |
| 16 | * | * | * | * | * | * | * | * | | | | | | | | |
| 20 | * | * | * | * | * | * | * | * | | | | | | | | |
| 25 | | * | * | * | * | * | * | * | | | | | | | | |
| 30 | | * | * | * | * | * | * | * | * | | | | | | | |
| 35 | | | * | * | * | * | * | * | * | | | | | | | |
| 40 | | | * | * | * | * | * | * | * | * | | | | | | |
| 45 | | | * | * | * | * | * | * | * | * | * | | | | | |
| 50 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 55 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 60 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 65 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 70 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 75 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 80 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 85 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 90 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 100 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 110 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 120 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 130 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 140 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 150 | | | * | * | * | * | * | * | * | * | * | * | | | | |
| 160 | | | | | | | | | * | * | * | * | | | | |
| 170 | | | | | | | | | * | * | * | * | | | | |
| 180 | | | | | | | | | * | * | * | * | | | | |
| 190 | | | | | | | | | * | * | * | * | | | | |
| 200 | | | | | | | | | * | * | * | * | | | | |



DIN 938

236parts

| L\ M | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M18 | M20 | M22 | M24 | M27 | M30 | M33 | M36 |
|------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 22 | * | | | | | | | | | | | | | | |
| 25 | * | * | | | | | | | | | | | | | |
| 28 | * | * | | | | | | | | | | | | | |
| 30 | * | * | * | | | | | | | | | | | | |
| 35 | * | * | * | * | | | | | | | | | | | |
| 40 | * | * | * | * | * | | | | | | | | | | |
| 45 | * | * | * | * | * | * | | | | | | | | | |
| 50 | * | * | * | * | * | * | * | | | | | | | | |
| 55 | | * | * | * | * | * | * | * | | | | | | | |
| 60 | | * | * | * | * | * | * | * | * | | | | | | |
| 65 | | | * | * | * | * | * | * | * | * | | | | | |
| 70 | | | * | * | * | * | * | * | * | * | * | | | | |
| 75 | | | * | * | * | * | * | * | * | * | * | | | | |
| 80 | | | | * | * | * | * | * | * | * | * | * | | | |
| 85 | | | | * | * | * | * | * | * | * | * | * | | | |
| 90 | | | | * | * | * | * | * | * | * | * | * | | | |
| 95 | | | | * | * | * | * | * | * | * | * | * | | | |
| 100 | | | | * | * | * | * | * | * | * | * | * | | | |
| 110 | | | | | * | * | * | * | * | * | * | * | | | |
| 120 | | | | | * | * | * | * | * | * | * | * | | | |
| 130 | | | | | | * | * | * | * | * | * | * | | | |
| 140 | | | | | | * | * | * | * | * | * | * | | | |
| 150 | | | | | | * | * | * | * | * | * | * | | | |
| 160 | | | | | | | * | * | * | * | * | * | | | |
| 170 | | | | | | | | * | * | * | * | * | | | |
| 180 | | | | | | | | * | * | * | * | * | | | |
| 190 | | | | | | | | | * | * | * | * | | | |
| 200 | | | | | | | | | * | * | * | * | | | |
| 220 | | | | | | | | | | | * | * | | | |
| 240 | | | | | | | | | | | * | * | | | |
| 260 | | | | | | | | | | | * | * | | | |
| 280 | | | | | | | | | | | * | * | | | |
| 300 | | | | | | | | | | | | * | | | |
| 320 | | | | | | | | | | | | | * | | |
| 340 | | | | | | | | | | | | | * | | |
| 360 | | | | | | | | | | | | | | * | |



DIN 963 / ISO 2009

101 parts

| L\ M | M2 | M3 | M4 | M5 | M6 | M8 | M10 | M12 |
|-----------|----|----|----|----|----|----|-----|-----|
| 4 | * | * | | | | | | |
| 5 | | | * | | | | | |
| 6 | * | * | * | * | | | | |
| 8 | * | * | * | * | * | | | |
| 10 | * | * | * | * | * | | | |
| 12 | * | * | * | * | * | | | |
| 16 | * | * | * | * | * | * | * | |
| 20 | * | * | * | * | * | * | * | * |
| 25 | | * | * | * | * | * | * | * |
| 30 | | * | * | * | * | * | * | * |
| 35 | | * | * | * | * | * | * | * |
| 40 | | * | * | * | * | * | * | * |
| 45 | | * | * | * | * | * | * | * |
| 50 | | * | * | * | * | * | * | * |
| 55 | | | | | | * | * | * |
| 60 | | | | | | * | * | * |
| 65 | | | | | | * | * | * |
| 70 | | | | | | * | * | * |



DIN 964 / ISO 2010

101 parts

| L\ M | M2 | M3 | M4 | M5 | M6 | M8 | M10 | M12 |
|-----------|----|----|----|----|----|----|-----|-----|
| 4 | * | * | | | | | | |
| 5 | | | * | | | | | |
| 6 | * | * | * | * | | | | |
| 8 | * | * | * | * | * | | | |
| 10 | * | * | * | * | * | | | |
| 12 | * | * | * | * | * | | | |
| 16 | * | * | * | * | * | * | * | |
| 20 | * | * | * | * | * | * | * | * |
| 25 | | * | * | * | * | * | * | * |
| 30 | | * | * | * | * | * | * | * |
| 35 | | * | * | * | * | * | * | * |
| 40 | | * | * | * | * | * | * | * |
| 45 | | * | * | * | * | * | * | * |
| 50 | | * | * | * | * | * | * | * |
| 55 | | | | | | * | * | * |
| 60 | | | | | | * | * | * |
| 65 | | | | | | * | * | * |
| 70 | | | | | | * | * | * |

**DIN 975**

7 parts

| L\ M | M2 | M3 | M4 | M5 | M6 | M8 | M10 |
|-------------|----|----|----|----|----|----|-----|
| 1000 | * | * | * | * | * | * | * |

**DIN EN 1024 Countersink head**

60 parts

| L\ Ø | 1,2 | 1,4 | 1,6 | 1,8 | 2 | 2,2 | 2,4 | 2,5 | 2,7 | 3 | 3,1 | 3,4 | 3,5 | 3,8 | 4 | 4,2 | 4,6 | 5 | 6 |
|------------|-----|-----|-----|-----|---|-----|-----|-----|-----|---|-----|-----|-----|-----|---|-----|-----|---|---|
| 15 | * | | | | | | | | | | | | | | | | | | |
| 20 | * | * | | | | | | | | | | | | | | | | | |
| 25 | | * | * | | | | | | | | | | | | | | | | |
| 30 | | | * | * | * | * | * | * | | | | | | | | | | | |
| 35 | | | | * | * | | | | | | | | | | | | | | |
| 40 | | | | * | * | * | * | | | | | | | | | | | | |
| 50 | | | | | * | * | | | * | * | | | | | | | | | |
| 55 | | | | | | * | * | | | | | | | | | | | | |
| 60 | | | | | | | * | * | * | * | | | | | | | | | |
| 65 | | | | | | | | * | | * | | | | | | | | | |
| 70 | | | | | | | | | * | * | * | * | * | * | | | | | |
| 80 | | | | | | | | | * | * | * | * | * | | | | | | |
| 90 | | | | | | | | | | * | * | * | * | * | | | | * | |
| 100 | | | | | | | | | | | | | | * | * | * | * | * | |
| 110 | | | | | | | | | | | | | | | * | * | | | |
| 120 | | | | | | | | | | | | | | | * | | * | * | |
| 125 | | | | | | | | | | | | | | | | | * | | |
| 140 | | | | | | | | | | | | | | | | | | * | |
| 150 | | | | | | | | | | | | | | | | | | * | |
| 160 | | | | | | | | | | | | | | | | | | * | |
| 175 | | | | | | | | | | | | | | | | | | * | |
| 180 | | | | | | | | | | | | | | | | | | * | |
| 200 | | | | | | | | | | | | | | | | | | * | |



DIN EN 1024 Flat head
26 parts

| L\Ø | 1,6 | 1,8 | 2 | 2,2 | 2,4 | 2,7 | 3 | 3,5 | 4 | 4,5 | 5 | 5,5 | 6 |
|-----|-----|-----|---|-----|-----|-----|---|-----|---|-----|---|-----|---|
| 30 | | * | | | | | | | | | | | |
| 32 | * | | | | | | | | | | | | |
| 35 | | | * | | | | | | | | | | |
| 40 | | | * | | | | | | | | | | |
| 35 | | | | | | | | | | | | | |
| 40 | | | | * | | | | | | | | | |
| 50 | | | | | * | * | | | | | | | |
| 55 | | | | | | * | * | | | | | | |
| 60 | | | | | | * | * | | | | | | |
| 70 | | | | | | | * | * | | | | | |
| 80 | | | | | | | | * | | | | | |
| 90 | | | | | | | | | * | | | | |
| 100 | | | | | | | | | | * | | | |
| 110 | | | | | | | | | | | * | | |
| 120 | | | | | | | | | | | | * | |
| 125 | | | | | | | | | | | * | * | |
| 130 | | | | | | | | | | | | * | |
| 140 | | | | | | | | | | | * | * | |
| 150 | | | | | | | | | | | | * | |
| 160 | | | | | | | | | | | | * | |
| 180 | | | | | | | | | | | | * | |



DIN 3570
18 parts

| Fi\M | M10 | M12 | M16 | M20 | M24 |
|------|-----|-----|-----|-----|-----|
| 23 | * | | | | |
| 30 | * | | | | |
| 38 | * | | | | |
| 46 | * | | | | |
| 52 | * | | | | |
| 64 | | * | | | |
| 82 | | * | | | |
| 94 | | * | | | |
| 120 | | | * | | |
| 148 | | | * | | |
| 176 | | | * | | |
| 202 | | | * | | |
| 228 | | | | * | |
| 282 | | | | * | |
| 332 | | | | * | |

| | | | | | |
|-----|--|--|--|--|---|
| 378 | | | | | * |
| 428 | | | | | * |
| 530 | | | | | * |



DIN 6921 / ISO 1665
92 parts

| L\ M | M5 | M6 | M8 | M10 | M12 | M14 | M16 |
|------|----|----|----|-----|-----|-----|-----|
| 10 | * | | | | | | |
| 12 | * | * | * | * | | | |
| 16 | * | * | * | * | | | |
| 20 | * | * | * | * | * | | |
| 25 | * | * | * | * | * | * | * |
| 30 | * | * | * | * | * | * | * |
| 35 | * | * | * | * | * | * | * |
| 40 | * | * | * | * | * | * | * |
| 45 | * | * | * | * | * | * | * |
| 50 | * | * | * | * | * | * | * |
| 55 | * | * | * | * | * | * | * |
| 60 | * | * | * | * | * | * | * |
| 65 | * | * | * | * | * | * | * |
| 70 | * | * | * | * | * | * | * |
| 80 | * | * | * | * | * | * | * |
| 90 | | * | * | * | * | * | * |
| 100 | | * | * | * | * | * | * |
| 110 | | | | * | * | * | * |
| 120 | | | | * | * | * | * |
| 130 | | | | * | * | * | * |
| 140 | | | | * | * | * | * |
| 150 | | | | | * | * | |



DIN 7991 / ISO 10642
191parts

| L\ M | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|------|----|----|----|----|----|-----|-----|-----|-----|-----|
| 6 | * | * | * | | | | | | | |
| 8 | * | * | * | * | | | | | | |
| 10 | * | * | * | * | * | | | | | |
| 12 | * | * | * | * | * | * | | | | |
| 16 | * | * | * | * | * | * | * | * | | |
| 20 | * | * | * | * | * | * | * | * | | |
| 25 | * | * | * | * | * | * | * | * | | |
| 30 | * | * | * | * | * | * | * | * | | |
| 35 | * | * | * | * | * | * | * | * | | |
| 40 | * | * | * | * | * | * | * | * | * | * |

| | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|
| 45 | * | * | * | * | * | * | * | * | * |
| 50 | * | * | * | * | * | * | * | * | * |
| 55 | | * | * | * | * | * | * | * | * |
| 60 | | * | * | * | * | * | * | * | * |
| 65 | | * | * | * | * | * | * | * | * |
| 70 | | * | * | * | * | * | * | * | * |
| 75 | | * | * | * | * | * | * | * | * |
| 80 | | * | * | * | * | * | * | * | * |
| 85 | | * | * | * | * | * | * | * | * |
| 90 | | * | * | * | * | * | * | * | * |
| 100 | | * | * | * | * | * | * | * | * |
| 110 | | | * | * | * | * | * | * | * |
| 120 | | | * | * | * | * | * | * | * |
| 130 | | | | * | * | * | * | * | * |
| 140 | | | | | * | * | * | * | * |
| 150 | | | | | * | * | * | * | * |
| 160 | | | | | | * | * | * | * |
| 170 | | | | | | | * | * | * |
| 180 | | | | | | | * | * | * |
| 190 | | | | | | | * | * | * |
| 200 | | | | | | | * | * | * |



| L\ M | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|------|----|----|----|----|----|-----|-----|-----|-----|-----|
| 16 | * | | | | | | | | | |
| 20 | * | * | * | | | | | | | |
| 25 | * | * | * | * | | | | | | |
| 30 | * | * | * | * | * | * | | | | |
| 35 | * | * | * | * | * | * | * | | | |
| 40 | * | * | * | * | * | * | * | | | |
| 45 | | * | * | * | * | * | * | * | | |
| 50 | | * | * | * | * | * | * | * | * | |
| 55 | | | * | * | * | * | * | * | * | |
| 60 | | | * | * | * | * | * | * | * | * |
| 65 | | | * | * | * | * | * | * | * | * |
| 70 | | | * | * | * | * | * | * | * | * |
| 75 | | | * | * | * | * | * | * | * | * |
| 80 | | | * | * | * | * | * | * | * | * |
| 85 | | | | * | * | * | * | * | * | * |
| 90 | | | | * | * | * | * | * | * | * |
| 100 | | | | * | * | * | * | * | * | * |
| 110 | | | | * | * | * | * | * | * | * |
| 120 | | | | * | * | * | * | * | * | * |
| 130 | | | | | * | * | * | * | * | * |
| 140 | | | | | | * | * | * | * | * |
| 150 | | | | | | * | * | * | * | * |
| 160 | | | | | | | * | * | * | * |

| | | | | | | | | |
|-----|--|--|--|--|--|--|---|---|
| 170 | | | | | | | * | * |
| 180 | | | | | | | * | * |
| 190 | | | | | | | * | * |
| 200 | | | | | | | * | * |



ISO 7380

61 parts

| L\ M | M3 | M4 | M5 | M6 | M8 | M10 | M12 |
|------|----|----|----|----|----|-----|-----|
| 6 | * | * | | | | | |
| 8 | * | * | * | * | | | |
| 10 | * | * | * | * | * | | |
| 12 | * | * | * | * | * | * | |
| 16 | * | * | * | * | * | * | * |
| 20 | | * | * | * | * | * | * |
| 25 | | * | * | * | * | * | * |
| 30 | | | * | * | * | * | * |
| 35 | | | * | * | * | * | * |
| 40 | | | * | * | * | * | * |
| 45 | | | * | * | * | * | * |
| 50 | | | * | * | * | * | * |



DIN 96

83 parts

| L\ Fi | 2,5 | 3 | 3,5 | 4 | 4,5 | 5 | 5,5 | 6 | 7 | 8 |
|-------|-----|---|-----|---|-----|---|-----|---|---|---|
| 10 | * | * | * | * | | | | | | |
| 12 | * | * | * | * | | | | | | |
| 16 | * | * | * | * | * | * | * | | | |
| 20 | * | * | * | * | * | * | * | * | * | |
| 25 | * | * | * | * | * | * | * | * | * | |
| 30 | * | * | * | * | * | * | * | * | * | * |
| 35 | | | * | * | * | * | * | * | * | * |
| 40 | | | * | * | * | * | * | * | * | * |
| 45 | | | * | * | * | * | * | * | * | * |
| 50 | | | | * | * | * | * | * | * | * |
| 60 | | | | * | * | * | * | * | * | * |
| 70 | | | | | | | * | * | * | |
| 80 | | | | | | | | * | * | |
| 100 | | | | | | | | * | * | |



DIN 97

75 parts

| L\Fi | 3 | 3,5 | 4 | 4,5 | 5 | 5,5 | 6 | 7 | 8 |
|------|---|-----|---|-----|---|-----|---|---|---|
| 10 | | * | * | | | | | | |
| 12 | * | * | * | | | | | | |
| 16 | * | * | * | * | * | * | | | |
| 20 | * | * | * | * | * | * | * | | |
| 25 | * | * | * | * | * | * | * | | |
| 30 | * | * | * | * | * | * | * | * | * |
| 35 | * | | * | * | * | * | * | * | * |
| 40 | | | * | * | * | * | * | * | * |
| 45 | | | * | * | * | * | * | * | * |
| 50 | | | | * | * | * | * | * | * |
| 60 | | | | * | * | * | * | * | * |
| 70 | | | | | | * | * | * | * |
| 80 | | | | | | | * | * | |
| 100 | | | | | | | * | * | |



DIN7504K / ISO15480

34 parts

| L\Fi | 3.5 | 3.9 | 4.2 | 4.8 | 5.5 | 6.3 |
|------|-----|-----|-----|-----|-----|-----|
| 9.5 | * | | | | | |
| 13 | * | * | * | * | | |
| 16 | * | * | * | * | | |
| 19 | * | * | * | * | * | * |
| 25 | * | * | * | * | * | * |
| 32 | | * | * | * | * | * |
| 38 | | | * | * | * | * |
| 50 | | | | * | * | * |
| 60 | | | | | | * |



DIN 7981 / ISO7049

69parts

| L\Fi | 2.2 | 2.9 | 3.5 | 3.9 | 4.2 | 4.8 | 5.5 | 6.3 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 4.5 | * | | | | | | | |
| 6.5 | * | * | * | * | | | | |
| 9.5 | * | * | * | * | * | * | | |
| 13 | * | * | * | * | * | * | * | * |
| 16 | * | * | * | * | * | * | * | * |
| 19 | | * | * | * | * | * | * | * |
| 25 | | * | * | * | * | * | * | * |
| 32 | | * | * | * | * | * | * | * |
| 38 | | | * | * | * | * | * | * |
| 50 | | | | * | * | * | * | * |
| 60 | | | | | * | * | * | * |
| 70 | | | | | * | * | * | * |
| 75 | | | | | | * | * | |
| 80 | | | | | | * | * | |



DIN 7982/ ISO7050

69parts

| L\Fi | 2.2 | 2.9 | 3.5 | 3.9 | 4.2 | 4.8 | 5.5 | 6.3 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 4.5 | * | | | | | | | |
| 6.5 | * | * | * | * | | | | |
| 9.5 | * | * | * | * | * | * | | |
| 13 | * | * | * | * | * | * | * | * |
| 16 | * | * | * | * | * | * | * | * |
| 19 | | * | * | * | * | * | * | * |
| 25 | | * | * | * | * | * | * | * |
| 32 | | * | * | * | * | * | * | * |
| 38 | | | * | * | * | * | * | * |
| 50 | | | | * | * | * | * | * |
| 60 | | | | | * | * | * | * |
| 70 | | | | | * | * | * | * |
| 75 | | | | | | * | * | |
| 80 | | | | | | * | * | |

NUTS / RIVET INSERTS (nut_universal.prt)



DIN 315

11 parts

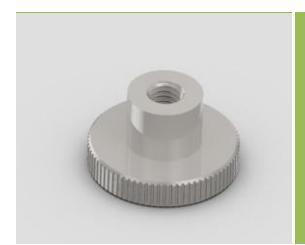
| Thread | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M20 | M22 | M24 |
|--------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
|--------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|



DIN439B / ISO4035

28parts

| Thread | M1.6 | M2 | M2.5 | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M14 |
|--------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| | M16 | M18 | M20 | M22 | M24 | M27 | M30 | M33 | M36 | M39 | M42 |
| | M45 | M48 | M52 | M56 | M60 | M64 | | | | | |



DIN466

7 parts

| Thread | M2 | M3 | M4 | M5 | M6 | M8 | M10 |
|--------|----|----|----|----|----|----|-----|
|--------|----|----|----|----|----|----|-----|



DIN467

6parts

| Thread | M3 | M4 | M5 | M6 | M8 | M10 |
|--------|----|----|----|----|----|-----|
|--------|----|----|----|----|----|-----|



DIN508/ ISO 299

13 parts

| Thread | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M24 | M30 | M36 | M42 | M48 |
|--------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|--------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

**DIN 555 / ISO 4034**

28 parts

| Thread | M1.6 | M2 | M2.5 | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M14 |
|--------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| | M16 | M18 | M20 | M22 | M24 | M27 | M30 | M33 | M36 | M39 | M42 |
| | M45 | M48 | M52 | M56 | M60 | M64 | | | | | |

**DIN 562**

6parts

| Thread | M3 | M4 | M5 | M6 | M8 | M10 |
|--------|----|----|----|----|----|-----|
| | | | | | | |

**DIN 582 / ISO3266**

15 parts

| Thread | M8 | M10 | M12 | M16 | M20 | M24 | M30 | M36 | M42 | M48 | M56 |
|--------|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|
| | M64 | M72 | M80 | M100 | | | | | | | |

**DIN 917**

10 parts

| Thread | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|--------|----|----|----|----|----|-----|-----|-----|-----|-----|
| | | | | | | | | | | |

**DIN 928**

8 parts

| Thread | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 |
|--------|----|----|----|----|-----|-----|-----|-----|
| | | | | | | | | |

**DIN935**

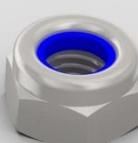
14parts

| Thread | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M24 | M30 | M36 | M42 | M48 | M56 |
|--------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | | | | | | | | | |

**DIN 982**

11 parts

| Thread | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M20 | M22 | M24 |
|--------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
|--------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|

**DIN 985 / ISO 7040**

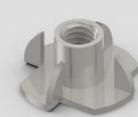
12 parts

| Thread | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M20 | M22 | M24 |
|--------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
|--------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|

**DIN 1587**

9 parts

| Thread | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 |
|--------|----|----|----|----|----|-----|-----|-----|-----|
|--------|----|----|----|----|----|-----|-----|-----|-----|

**DIN 1624**

5 parts

| Thread | M4 | M5 | M6 | M8 | M10 |
|--------|----|----|----|----|-----|
|--------|----|----|----|----|-----|

**DIN 1804**

52 parts

| Thread | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M18 | M20 | M22 | M22 | M24 | M26 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | M28 | M30 | M32 | M35 | M38 | M40 | M42 | M45 | M48 | M50 | M52 | M55 | M58 | M60 |
| | M62 | M65 | M68 | M70 | M72 | M75 | M80 | M85 | M90 | M95 | M100 | M105 | M110 | M115 |
| | M120 | M125 | M130 | M140 | M150 | M160 | M170 | M180 | M190 | M200 | | | | |



DIN 6334

13 parts

Thread M6 M8 M10 M12 M14 M16 M18 M20 M22 M24 M27 M30 M36

DIN 6923

7 parts



Thread M4 M5 M6 M8 M10 M12 M14

DIN 7965

parts



L/Thread M3 L8 M4 L10 M5 L12 M6 L15 M8 L18 M10 L25 M12 L30 M16 L30 M20 L30

UPO Rivet nut insert

5parts



Thread M4 M5 M6 M8 M10

WASHERS (washer_universal.prt)



DIN 125A / ISO 7089

25 parts

| For | M1.6 | M2 | M2.5 | M3 | M3.5 | M4 | M5 | M6 | M8 | M10 | M12 | M14 |
|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|
| | M16 | M18 | M20 | M22 | M24 | M27 | M30 | M33 | M36 | M39 | M42 | M45 |
| | | M48 | | | | | | | | | | |



DIN 127

24 parts

| For | M2 | M2.5 | M3 | M3.5 | M4 | M5 | M6 | M8 | M10 | M12 | M14 |
|-----|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|
| | M16 | M18 | M20 | M22 | M24 | M27 | M30 | M33 | M36 | M39 | M42 |
| | | M45 | M48 | | | | | | | | |



DIN 433 / ISO 7092

20parts

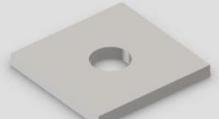
| For | M2 | M2.5 | M3 | M3.5 | M4 | M5 | M6 | M8 | M10 | M12 | M14 |
|-----|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|
| | M16 | M18 | M20 | M22 | M24 | M27 | M30 | M33 | M36 | | |



DIN 435

8 parts

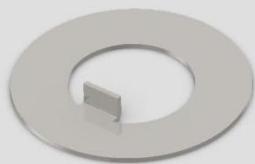
| For | M8 | M10 | M12 | M16 | M20 | M22 | M24 | M27 |
|-----|----|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | | | |



DIN 436

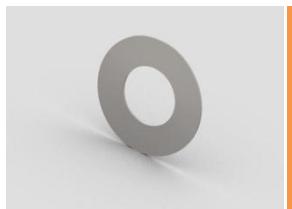
16 parts

| For | M8 | M10 | M12 | M16 | M20 | M22 | M24 | M27 | M30 | M33 | M36 | M39 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | M42 | M45 | M48 | M52 | | | | | | | | |

**DIN 462**

35 parts

| | | | | | | | | | | | | | | |
|------------|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|
| inner hole | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 35 |
| | 38 | 40 | 42 | 45 | 48 | 50 | 52 | 55 | 58 | 60 | 62 | 65 | 68 | 70 |
| | 72 | 75 | 80 | 85 | 90 | 95 | 100 | | | | | | | |

**DIN 988**

53 parts

| s\m | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 |
|-----|----|----|----|----|----|-----|-----|-----|-----|
| 0.1 | * | * | * | * | * | * | * | * | * |
| 0.2 | * | * | * | * | * | * | * | * | * |
| 0.3 | * | * | * | * | * | * | * | * | * |
| 0.5 | * | * | * | * | * | * | * | * | * |
| 1 | * | * | * | * | * | * | * | * | * |
| 1.2 | | | | | | | | | * |
| 1.5 | | | | | | | | | * |
| 2 | | | | * | * | * | * | * | * |

**DIN 6796**

12 parts

| | | | | | | | | | | | | |
|--------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| Thread | M2 | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M16 | M20 | M24 | M30 |
|--------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|

**DIN 6798A**

13 parts

| | | | | | | | | | | | | | |
|--------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|
| Thread | M2 | M3 | M4 | M5 | M6 | M8 | M10 | M12 | M14 | M16 | M18 | M20 | M22 |
|--------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|

**DIN 6799**

18 parts

| | | | | | | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|---|---|---|---|---|---|
| fi | 0.8 | 1.2 | 1.5 | 1.9 | 2.3 | 3.2 | 4 | 5 | 6 | 7 | 8 | 9 |
| | 10 | 12 | 15 | 19 | 24 | 30 | | | | | | |



DIN 9021

11 parts

Thread M2.5 M3 M4 M5 M6 M8 M10 M12 M14 M16 M20