Ball point screws

Steel / Stainless Steel

SPECIFICATION

Version in Steel

Types

- Type **A**: full ball
- Type **B**: flat ball
- Type **V**: flat ball, with swivel limiting stop
- Type **VR**: flat ball, with swivel limiting stop, corrugated

Steel

- Tensile strength class 12.9
- blackened

Ball

- hardened
- blank

Version in Stainless Steel

Types

- Type **AN**: full ball
- Type **BN**: flat ball
- Type **VN**: flat ball, with swivel limiting stop
- Type **VRN**: flat ball, with swivel limiting stop, corrugated

Screw
Stainless Steel AISI 304

Ball
Stainless Steel AISI 440C
hardened

INFORMATION

Ball point screws GN 606 with full ball (Type A / Type AN) are used in applications where a ball point contact is required.
The flat faced moving ball (Type B / Type BN) allows a clamping or supporting of non parallel surfaces.
The ball of Type V/VN/VR/VRN can be swivelled to a maximum of 9° to ensure that clamping is always maintained on the flat section of the ball.

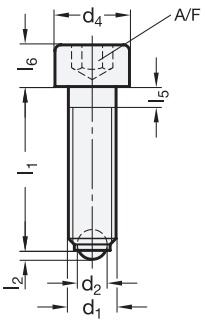
ON REQUEST

- Ball point screws with (full) plastic ball (Type AK)

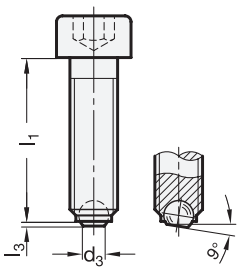
TECHNICAL INFORMATION

- Stainless Steel characteristics (see page A26)
- Strength values of screws (see page A20)

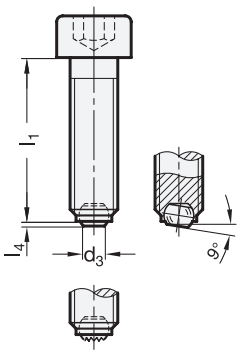
Type **A / AN**



Type **B / BN**



Type **V / VN**
Type **VR / VRN**



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GN 606-A/B

Description	d1	l1	d2	d3	d4	l2 ≈	l3 ≈	l5	l6	A/F	Static load in N	⚖
GN 606-M4-10-A	M 4	10	2.5	-	7	0.8	-	2.1	4	3	3500	2
GN 606-M4-12-A	M 4	12	2.5	-	7	0.8	-	2.1	4	3	3500	2
GN 606-M4-16-A	M 4	16	2.5	-	7	0.8	-	2.1	4	3	3500	2
GN 606-M4-20-A	M 4	20	2.5	-	7	0.8	-	2.1	4	3	3500	2
GN 606-M4-25-A	M 4	25	2.5	-	7	0.8	-	2.1	4	3	3500	3
GN 606-M5-12-A	M 5	12	3	-	8.5	1.0	-	2.4	5	4	5000	3
GN 606-M5-16-A	M 5	16	3	-	8.5	1.0	-	2.4	5	4	5000	3
GN 606-M5-20-A	M 5	20	3	-	8.5	1.0	-	2.4	5	4	5000	4
GN 606-M5-25-A	M 5	25	3	-	8.5	1.0	-	2.4	5	4	5000	4
GN 606-M5-30-A	M 5	30	3	-	8.5	1.0	-	2.4	5	4	5000	5
GN 606-M6-16-A	M 6	16	4	-	10	1.3	-	3	6	5	9000	6
GN 606-M6-20-A	M 6	20	4	-	10	1.3	-	3	6	5	9000	7
GN 606-M6-25-A	M 6	25	4	-	10	1.3	-	3	6	5	9000	8
GN 606-M6-30-A	M 6	30	4	-	10	1.3	-	3	6	5	9000	9
GN 606-M6-40-A	M 6	40	4	-	10	1.3	-	3	6	5	9000	11
GN 606-M8-20-A	M 8	20	5.5	-	13	1.8	-	3.5	8	6	15000	14
GN 606-M8-30-A	M 8	30	5.5	-	13	1.8	-	3.5	8	6	15000	15
GN 606-M8-35-A	M 8	35	5.5	-	13	1.8	-	3.5	8	6	15000	19
GN 606-M8-40-A	M 8	40	5.5	-	13	1.8	-	3.5	8	6	15000	19
GN 606-M8-50-A	M 8	50	5.5	-	13	1.8	-	3.5	8	6	15000	25
GN 606-M10-25-A	M 10	25	7	-	16	2.3	-	4.5	10	8	24000	26
GN 606-M10-30-A	M 10	30	7	-	16	2.3	-	4.5	10	8	24000	26
GN 606-M10-40-A	M 10	40	7	-	16	2.3	-	4.5	10	8	24000	34
GN 606-M10-50-A	M 10	50	7	-	16	2.3	-	4.5	10	8	24000	37
GN 606-M10-60-A	M 10	60	7	-	16	2.3	-	4.5	10	8	24000	45
GN 606-M12-30-A	M 12	30	8.5	-	18	2.8	-	5	12	10	30000	36
GN 606-M12-50-A	M 12	50	8.5	-	18	2.8	-	5	12	10	30000	56
GN 606-M12-80-A	M 12	80	8.5	-	18	2.8	-	5	12	10	30000	74
GN 606-M16-40-A	M 16	40	12	-	24	4.3	-	6	16	14	73000	91
GN 606-M16-60-A	M 16	60	12	-	24	4.3	-	6	16	14	73000	122
GN 606-M16-80-A	M 16	80	12	-	24	4.3	-	6	16	14	73000	154
GN 606-M4-10-B	M 4	10	-	2	7	-	0.2	2.1	4	3	3500	2
GN 606-M4-12-B	M 4	12	-	2	7	-	0.2	2.1	4	3	3500	2
GN 606-M4-16-B	M 4	16	-	2	7	-	0.2	2.1	4	3	3500	2
GN 606-M4-20-B	M 4	20	-	2	7	-	0.2	2.1	4	3	3500	2
GN 606-M4-25-B	M 4	25	-	2	7	-	0.2	2.1	4	3	3500	3
GN 606-M5-12-B	M 5	12	-	2.5	8.5	-	0.4	2.4	5	4	5000	3
GN 606-M5-16-B	M 5	16	-	2.5	8.5	-	0.4	2.4	5	4	5000	3
GN 606-M5-20-B	M 5	20	-	2.5	8.5	-	0.4	2.4	5	4	5000	4
GN 606-M5-25-B	M 5	25	-	2.5	8.5	-	0.4	2.4	5	4	5000	4
GN 606-M5-30-B	M 5	30	-	2.5	8.5	-	0.4	2.4	5	4	5000	5
GN 606-M6-16-B	M 6	16	-	3.2	10	-	0.6	3	6	5	9000	2
GN 606-M6-20-B	M 6	20	-	3.2	10	-	0.6	3	6	5	9000	2
GN 606-M6-25-B	M 6	25	-	3.2	10	-	0.6	3	6	5	9000	8
GN 606-M6-30-B	M 6	30	-	3.2	10	-	0.6	3	6	5	9000	9
GN 606-M6-40-B	M 6	40	-	3.2	10	-	0.6	3	6	5	9000	11
GN 606-M8-20-B	M 8	20	-	4.5	13	-	0.8	3.5	8	6	15000	11
GN 606-M8-30-B	M 8	30	-	4.5	13	-	0.8	3.5	8	6	15000	11
GN 606-M8-35-B	M 8	35	-	4.5	13	-	0.8	3.5	8	6	15000	19
GN 606-M8-40-B	M 8	40	-	4.5	13	-	0.8	3.5	8	6	15000	19
GN 606-M8-50-B	M 8	50	-	4.5	13	-	0.8	3.5	8	6	15000	25
GN 606-M10-25-B	M 10	25	-	6	16	-	0.8	4.5	10	8	24000	26
GN 606-M10-30-B	M 10	30	-	6	16	-	0.8	4.5	10	8	24000	30
GN 606-M10-40-B	M 10	40	-	6	16	-	0.8	4.5	10	8	24000	34
GN 606-M10-50-B	M 10	50	-	6	16	-	0.8	4.5	10	8	24000	36
GN 606-M10-60-B	M 10	60	-	6	16	-	0.8	4.5	10	8	24000	47

GN 606-A/B

Description	d1	l1	d2	d3	d4	l2 ≈	l3 ≈	l5	l6	A/F	Static load in N	⚖
GN 606-M12-30-B	M 12	30	-	7.2	18	-	1	5	12	10	30000	40
GN 606-M12-50-B	M 12	50	-	7.2	18	-	1	5	12	10	30000	56
GN 606-M12-80-B	M 12	80	-	7.2	18	-	1	5	12	10	30000	70
GN 606-M16-40-B	M 16	40	-	10.7	24	-	1.3	6	16	14	73000	91
GN 606-M16-60-B	M 16	60	-	10.7	24	-	1.3	6	16	14	73000	122
GN 606-M16-80-B	M 16	80	-	10.7	24	-	1.3	6	16	14	73000	154

GN 606-V/VR

Description	d1	l1	d3	d4	l4 ≈	l5	l6	A/F	⚖
GN 606-M6-16-V	M 6	16	3.2	10	0.45	3	6	5	6
GN 606-M6-20-V	M 6	20	3.2	10	0.45	3	6	5	7
GN 606-M6-25-V	M 6	25	3.2	10	0.45	3	6	5	8
GN 606-M6-30-V	M 6	30	3.2	10	0.45	3	6	5	9
GN 606-M6-40-V	M 6	40	3.2	10	0.45	3	6	5	11
GN 606-M8-20-V	M 8	20	4.5	13	0.5	3.5	8	6	13
GN 606-M8-30-V	M 8	30	4.5	13	0.5	3.5	8	6	15
GN 606-M8-35-V	M 8	35	4.5	13	0.5	3.5	8	6	17
GN 606-M8-40-V	M 8	40	4.5	13	0.5	3.5	8	6	19
GN 606-M8-50-V	M 8	50	4.5	13	0.5	3.5	8	6	23
GN 606-M10-25-V	M 10	25	6	16	0.6	4.5	10	8	25
GN 606-M10-30-V	M 10	30	6	16	0.6	4.5	10	8	26
GN 606-M10-40-V	M 10	40	6	16	0.6	4.5	10	8	31
GN 606-M10-50-V	M 10	50	6	16	0.6	4.5	10	8	38
GN 606-M10-60-V	M 10	60	6	16	0.6	4.5	10	8	44
GN 606-M12-30-V	M 12	30	7.2	18	0.75	5	12	10	38
GN 606-M12-50-V	M 12	50	7.2	18	0.75	5	12	10	54
GN 606-M12-80-V	M 12	80	7.2	18	0.75	5	12	10	80
GN 606-M16-40-V	M 16	40	10.7	24	1.0	6	16	14	92
GN 606-M16-60-V	M 16	60	10.7	24	1.0	6	16	14	123
GN 606-M16-80-V	M 16	80	10.7	24	1.0	6	16	14	151
GN 606-M6-16-VR	M 6	16	3.2	10	0.45	3	6	5	6
GN 606-M6-20-VR	M 6	20	3.2	10	0.45	3	6	5	7
GN 606-M6-25-VR	M 6	25	3.2	10	0.45	3	6	5	8
GN 606-M6-30-VR	M 6	30	3.2	10	0.45	3	6	5	9
GN 606-M6-40-VR	M 6	40	3.2	10	0.45	3	6	5	11
GN 606-M8-20-VR	M 8	20	4.5	13	0.5	3.5	8	6	13
GN 606-M8-30-VR	M 8	30	4.5	13	0.5	3.5	8	6	15
GN 606-M8-35-VR	M 8	35	4.5	13	0.5	3.5	8	6	17
GN 606-M8-40-VR	M 8	40	4.5	13	0.5	3.5	8	6	19
GN 606-M8-50-VR	M 8	50	4.5	13	0.5	3.5	8	6	23
GN 606-M10-25-VR	M 10	25	6	16	0.6	4.5	10	8	25
GN 606-M10-30-VR	M 10	30	6	16	0.6	4.5	10	8	26
GN 606-M10-40-VR	M 10	40	6	16	0.6	4.5	10	8	31
GN 606-M10-50-VR	M 10	50	6	16	0.6	4.5	10	8	37
GN 606-M10-60-VR	M 10	60	6	16	0.6	4.5	10	8	44
GN 606-M12-30-VR	M 12	30	7.2	18	0.75	5	12	10	38
GN 606-M12-50-VR	M 12	50	7.2	18	0.75	5	12	10	54
GN 606-M12-80-VR	M 12	80	7.2	18	0.75	5	12	10	80
GN 606-M16-40-VR	M 16	40	10.7	24	1.0	6	16	14	92
GN 606-M16-60-VR	M 16	60	10.7	24	1.0	6	16	14	123
GN 606-M16-80-VR	M 16	80	10.7	24	1.0	6	16	14	151

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GN 606-AN/BN

STAINLESS STEEL

Description	d1	l1	d2	d3	d4	l2 ≈	l3 ≈	l5	l6	A/F	Static load in N	⚖
GN 606-M4-10-AN	M 4	10	2.5	-	7	0.8	-	2.1	4	3	2040	2
GN 606-M4-12-AN	M 4	12	2.5	-	7	0.8	-	2.1	4	3	2040	2
GN 606-M4-16-AN	M 4	16	2.5	-	7	0.8	-	2.1	4	3	2040	2
GN 606-M4-20-AN	M 4	20	2.5	-	7	0.8	-	2.1	4	3	2040	2
GN 606-M4-25-AN	M 4	25	2.5	-	7	0.8	-	2.1	4	3	2040	3
GN 606-M5-12-AN	M 5	12	3	-	8.5	1.0	-	2.4	5	4	3000	3
GN 606-M5-16-AN	M 5	16	3	-	8.5	1.0	-	2.4	5	4	3000	3
GN 606-M5-20-AN	M 5	20	3	-	8.5	1.0	-	2.4	5	4	3000	4
GN 606-M5-25-AN	M 5	25	3	-	8.5	1.0	-	2.4	5	4	3000	4
GN 606-M5-30-AN	M 5	30	3	-	8.5	1.0	-	2.4	5	4	3000	5
GN 606-M6-16-AN	M 6	16	4	-	10	1.3	-	3	6	5	4500	6
GN 606-M6-20-AN	M 6	20	4	-	10	1.3	-	3	6	5	4500	7
GN 606-M6-25-AN	M 6	25	4	-	10	1.3	-	3	6	5	4500	8
GN 606-M6-30-AN	M 6	30	4	-	10	1.3	-	3	6	5	4500	9
GN 606-M6-40-AN	M 6	40	4	-	10	1.3	-	3	6	5	4500	11
GN 606-M8-20-AN	M 8	20	5.5	-	13	1.8	-	3.5	8	6	9000	14
GN 606-M8-30-AN	M 8	30	5.5	-	13	1.8	-	3.5	8	6	9000	16
GN 606-M8-35-AN	M 8	35	5.5	-	13	1.8	-	3.5	8	6	9000	19
GN 606-M8-40-AN	M 8	40	5.5	-	13	1.8	-	3.5	8	6	9000	19
GN 606-M8-50-AN	M 8	50	5.5	-	13	1.8	-	3.5	8	6	9000	25
GN 606-M10-25-AN	M 10	25	7	-	16	1.8	-	4.5	10	8	14400	26
GN 606-M10-30-AN	M 10	30	7	-	16	2.3	-	4.5	10	8	14400	27
GN 606-M10-40-AN	M 10	40	7	-	16	2.3	-	4.5	10	8	14400	34
GN 606-M10-50-AN	M 10	50	7	-	16	2.3	-	4.5	10	8	14400	40
GN 606-M10-60-AN	M 10	60	7	-	16	2.3	-	4.5	10	8	14400	47
GN 606-M12-30-AN	M 12	30	8.5	-	18	2.8	-	5	12	10	18000	40
GN 606-M12-50-AN	M 12	50	8.5	-	18	2.8	-	5	12	10	18000	56
GN 606-M12-80-AN	M 12	80	8.5	-	18	2.8	-	5	12	10	18000	83
GN 606-M16-40-AN	M 16	40	12	-	24	4.3	-	6	16	14	43800	91
GN 606-M16-60-AN	M 16	60	12	-	24	4.3	-	6	16	14	43800	122
GN 606-M16-80-AN	M 16	80	12	-	24	4.3	-	6	16	14	43800	154
GN 606-M4-10-BN	M 4	10	-	2	7	-	0.2	2.1	4	3	2040	2
GN 606-M4-12-BN	M 4	12	-	2	7	-	0.2	2.1	4	3	2040	2
GN 606-M4-16-BN	M 4	16	-	2	7	-	0.2	2.1	4	3	2040	2
GN 606-M4-20-BN	M 4	20	-	2	7	-	0.2	2.1	4	3	2040	2
GN 606-M4-25-BN	M 4	25	-	2	7	-	0.2	2.1	4	3	2040	3
GN 606-M5-12-BN	M 5	12	-	2.5	8.5	-	0.4	2.4	5	4	3000	3
GN 606-M5-16-BN	M 5	16	-	2.5	8.5	-	0.4	2.4	5	4	3000	3
GN 606-M5-20-BN	M 5	20	-	2.5	8.5	-	0.4	2.4	5	4	3000	4
GN 606-M5-25-BN	M 5	25	-	2.5	8.5	-	0.4	2.4	5	4	3000	4
GN 606-M5-30-BN	M 5	30	-	2.5	8.5	-	0.4	2.4	5	4	3000	5
GN 606-M6-16-BN	M 6	16	-	3.2	10	-	0.6	3	6	5	4500	6
GN 606-M6-20-BN	M 6	20	-	3.2	10	-	0.6	3	6	5	4500	7
GN 606-M6-25-BN	M 6	25	-	3.2	10	-	0.6	3	6	5	4500	8
GN 606-M6-30-BN	M 6	30	-	3.2	10	-	0.6	3	6	5	4500	9
GN 606-M6-40-BN	M 6	40	-	3.2	10	-	0.6	3	6	5	4500	11
GN 606-M8-20-BN	M 8	20	-	4.5	13	-	0.8	3.5	8	6	9000	10
GN 606-M8-30-BN	M 8	30	-	4.5	13	-	0.8	3.5	8	6	9000	15
GN 606-M8-35-BN	M 8	35	-	4.5	13	-	0.8	3.5	8	6	9000	17
GN 606-M8-40-BN	M 8	40	-	4.5	13	-	0.8	3.5	8	6	9000	18
GN 606-M8-50-BN	M 8	50	-	4.5	13	-	0.8	3.5	8	6	9000	23
GN 606-M10-25-BN	M 10	25	-	6	16	-	0.8	4.5	10	8	14400	25
GN 606-M10-30-BN	M 10	30	-	6	16	-	0.8	4.5	10	8	14400	28
GN 606-M10-40-BN	M 10	40	-	6	16	-	0.8	4.5	10	8	14400	31
GN 606-M10-50-BN	M 10	50	-	6	16	-	0.8	4.5	10	8	14400	37
GN 606-M10-60-BN	M 10	60	-	6	16	-	0.8	4.5	10	8	14400	44

GN 606-AN/BN

STAINLESS STEEL

Description	d1	l1	d2	d3	d4	l2 ≈	l3 ≈	l5	l6	A/F	Static load in N	⚖
GN 606-M12-30-BN	M 12	30	-	7.2	18	-	-	5	12	10	18000	38
GN 606-M12-50-BN	M 12	50	-	7.2	18	-	-	5	12	10	18000	54
GN 606-M12-80-BN	M 12	80	-	7.2	18	-	-	5	12	10	18000	80
GN 606-M16-40-BN	M 16	40	-	10.7	24	-	-	6	16	14	43800	92
GN 606-M16-60-BN	M 16	60	-	10.7	24	-	-	6	16	14	43800	123
GN 606-M16-80-BN	M 16	80	-	10.7	24	-	-	6	16	14	43800	151

GN 606-VN/VRN

STAINLESS STEEL

Description	d1	l1	d3	d4	l4 ≈	l5	l6	A/F	⚖
GN 606-M6-16-VN	M 6	16	3.2	10	0.45	3	6	5	6
GN 606-M6-20-VN	M 6	20	3.2	10	0.45	3	6	5	7
GN 606-M6-25-VN	M 6	25	3.2	10	0.45	3	6	5	8
GN 606-M6-30-VN	M 6	30	3.2	10	0.45	3	6	5	9
GN 606-M6-40-VN	M 6	40	3.2	10	0.45	3	6	5	11
GN 606-M8-20-VN	M 8	20	4.5	13	0.5	3.5	8	6	13
GN 606-M8-30-VN	M 8	30	4.5	13	0.5	3.5	8	6	15
GN 606-M8-35-VN	M 8	35	4.5	13	0.5	3.5	8	6	17
GN 606-M8-40-VN	M 8	40	4.5	13	0.5	3.5	8	6	19
GN 606-M8-50-VN	M 8	50	4.5	13	0.5	3.5	8	6	23
GN 606-M10-25-VN	M 10	25	6	16	0.6	4.5	10	8	25
GN 606-M10-30-VN	M 10	30	6	16	0.6	4.5	10	8	27
GN 606-M10-40-VN	M 10	40	6	16	0.6	4.5	10	8	31
GN 606-M10-50-VN	M 10	50	6	16	0.6	4.5	10	8	37
GN 606-M10-60-VN	M 10	60	6	16	0.6	4.5	10	8	44
GN 606-M12-30-VN	M 12	30	7.2	18	0.75	5	12	10	38
GN 606-M12-50-VN	M 12	50	7.2	18	0.75	5	12	10	54
GN 606-M12-80-VN	M 12	80	7.2	18	0.75	5	12	10	80
GN 606-M16-40-VN	M 16	40	10.7	24	1.0	6	16	14	92
GN 606-M16-60-VN	M 16	60	10.7	24	1.0	6	16	14	123
GN 606-M16-80-VN	M 16	80	10.7	24	1.0	6	16	14	153
GN 606-M6-16-VRN	M 6	16	3.2	10	0.45	3	6	5	6
GN 606-M6-20-VRN	M 6	20	3.2	10	0.45	3	6	5	7
GN 606-M6-25-VRN	M 6	25	3.2	10	0.45	3	6	5	8
GN 606-M6-30-VRN	M 6	30	3.2	10	0.45	3	6	5	9
GN 606-M6-40-VRN	M 6	40	3.2	10	0.45	3	6	5	11
GN 606-M8-20-VRN	M 8	20	4.2	13	0.5	3.5	8	6	13
GN 606-M8-30-VRN	M 8	30	4.2	13	0.5	3.5	8	6	15
GN 606-M8-35-VRN	M 8	35	4.2	13	0.5	3.5	8	6	17
GN 606-M8-40-VRN	M 8	40	4.2	13	0.5	3.5	8	6	20
GN 606-M8-50-VRN	M 8	50	4.2	13	0.5	3.5	8	6	23
GN 606-M10-25-VRN	M 10	25	5.7	16	0.6	4.5	10	8	25
GN 606-M10-30-VRN	M 10	30	5.7	16	0.6	4.5	10	8	29
GN 606-M10-40-VRN	M 10	40	5.7	16	0.6	4.5	10	8	31
GN 606-M10-50-VRN	M 10	50	5.7	16	0.6	4.5	10	8	40
GN 606-M10-60-VRN	M 10	60	5.7	16	0.6	4.5	10	8	44
GN 606-M12-30-VRN	M 12	30	7.2	18	0.75	5	12	10	38
GN 606-M12-50-VRN	M 12	50	7.2	18	0.75	5	12	10	54
GN 606-M12-80-VRN	M 12	80	7.2	18	0.75	5	12	10	80
GN 606-M16-40-VRN	M 16	40	10.7	24	1.0	6	16	14	92
GN 606-M16-60-VRN	M 16	60	10.7	24	1.0	6	16	14	123
GN 606-M16-80-VRN	M 16	80	10.7	24	1.0	6	16	14	151

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