GITTERWERK

Grating Stock List

March 3, 2022

TERMS AND CONDITIONS

Delivery time: 1 week | **Terms of payment:** net 30 | **Shipping mode*:** EXW, Jena

* Gitterwerk will handle the customs export formalities, charging the corresponding customs fee of € 31.50 with the final invoice.

inventory subject to prior sale

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Transmission Gratings

450-600 nm

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
450	1748_25x10.9_6.35_N	400 (2500.0 l/mm)	TM (p-pol)	27	12.9	6.35	≥97.5%	0 %	5
532	1666_33x18_3_L	400 (2500.0 l/mm)	TE (s-pol)	35	20	3	≥95%	15 %	5
600	1807_28x18_3_L	575 (1739.1 l/mm)	TE+TM (unpol.)	30	20	3	≥95%	15 %	15
600	1627_28x18_3_L	1000 (1000.0 l/mm)	TE+TM (unpol.)	30	20	3	≥75%	15 %	13

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* gratings lines are parallel to the Height dimension
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Transmission Gratings

800 nm

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
780	1528_10x8_6.35_N	725 (1379.3 l/mm)	TE (s-pol)	12	10	6.35	≥97.5%	0 %	24
780	1528_10x8_6.35_H	725 (1379.3 l/mm)	TE (s-pol)	12	10	6.35	≥98.5%	0 %	13
800	1354_28x18_3_N	543 (1841.6 l/mm)	TE (s-pol)	30	20	3	≥97.5%	0 %	2
800	1354_38x38_3_N	543 (1841.6 l/mm)	TE (s-pol)	40	40	3	≥97.5%	0 %	2
800	1354_128x13_3_N	543 (1841.6 l/mm)	TE (s-pol)	130	15	3	≥97.5%	0 %	1
800	1354_128x13_3_H	543 (1841.6 l/mm)	TE (s-pol)	130	15	3	≥98.5%	0 %	1
800	1354_83x26_3_N	543 (1841.6 l/mm)	TE (s-pol)	85	28	3	≥97.5%	0 %	2
800	1378_37x35.3_3_H	575 (1739.1 l/mm)	TE (s-pol)	39	37.3	3	≥98.5%	0 %	4
800	1385_28x18_3_N	725 (1379.3 l/mm)	TE (s-pol)	30	20	3	≥97.5%	0 %	3
800	1385_28x18_3_H	725 (1379.3 l/mm)	TE (s-pol)	30	20	3	≥98.5%	0 %	6
800	1385_128x13_3_H	725 (1379.3 l/mm)	TE (s-pol)	130	15	3	≥98.5%	0 %	1
800	1603_37x35.3_3_L	833 (1200.5 l/mm)	TE (s-pol)	39	37.3	3	≥95%	15 %	3

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Transmission Gratings
895 nm / 920 nm

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
895	1463_27x10_6.35_L	543 (1841.6 l/mm)	TE (s-pol)	29	12	6.35	≥95%	50 %	3
895	1463_74x10_6.35_L	543 (1841.6 l/mm)	TE (s-pol)	76	12	6.35	≥95%	0 %	2
895	1463_74x10_6.35_N	543 (1841.6 l/mm)	TE (s-pol)	76	12	6.35	≥97.5%	0 %	2
920	1420_10x8_6.35_N	725 (1379.3 l/mm)	TE (s-pol)	12	10	6.35	≥97.5%	0 %	3
920	1420_10x8_6.35_H	725 (1379.3 l/mm)	TE (s-pol)	12	10	6.35	≥98.5%	0 %	1

Transmission Gratings
975 nm / 980 nm

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
975	1392_55x28_3_H	543 (1841.6 l/mm)	TE (s-pol)	57	30	3	≥98.5%	0 %	1
975	1358_27x10_6.35_N	625 (1600.0 l/mm)	TE (s-pol)	29	12	6.35	≥97.5%	50 %	1
975	1358_27x10_6.35_H	625 (1600.0 l/mm)	TE (s-pol)	29	12	6.35	≥98.5%	50 %	3
975	1358_74x10_6.35_X	625 (1600.0 l/mm)	TE (s-pol)	76	12	6.35	≥99.0%	0 %	2
975	1362_40x15_6.35_N	638 (1567.4 l/mm)	TM (p-pol)	42	17	6.35	≥97.5%	50 %	5
975	1027_40x15_6.35_H	638 (1567.4 l/mm)	TE (s-pol)	42	17	6.35	≥98.5%	50 %	7
975	1362_40x15_6.35_H	638 (1567.4 l/mm)	TM (p-pol)	42	17	6.35	≥98.5%	50 %	3
980	1090_15x9.9_3_N	543 (1841.6 l/mm)	TE (s-pol)	17	11.9	3	≥97.5%	0 %	2
980	1090_15x9.9_3_H	543 (1841.6 l/mm)	TE (s-pol)	17	11.9	3	≥98.5%	0 %	6
980	1090_90x25_6.35_H	543 (1841.6 l/mm)	TE (s-pol)	92	27	6.35	≥98.5%	30 %	1

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Transmission Gratings

1030 nm – Page 1/4

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
1030	1072_27x11_6.35_H	543 (1841.6 l/mm)	TE (s-pol)	29	13	6.35	≥98.5%	0 %	1
1030	1072_22.5x22.5_6.35_H	543 (1841.6 l/mm)	TE (s-pol)	24.5	24.5	6.35	≥98.5%	0 %	2
1030	1072_22.5x22.5_6.35_X	543 (1841.6 l/mm)	TE (s-pol)	24.5	24.5	6.35	≥99.0%	0 %	2
1030	1072_33x18_6.35_N	543 (1841.6 l/mm)	TE (s-pol)	35	20	6.35	≥97.5%	0 %	1
1030	1072_42x17_6.35_N	543 (1841.6 l/mm)	TE (s-pol)	44	19	6.35	≥97.5%	15 %	7
1030	1072_42x17_6.35_H	543 (1841.6 l/mm)	TE (s-pol)	44	19	6.35	≥98.5%	15 %	4
1030	1072_51x17_6.35_H	543 (1841.6 l/mm)	TE (s-pol)	53	19	6.35	≥98.5%	0 %	1
1030	1072_135x11_6.35_N	543 (1841.6 l/mm)	TE (s-pol)	137	13	6.35	≥97.5%	0 %	1
1030	1072_135x11_6.35_H	543 (1841.6 l/mm)	TE (s-pol)	137	13	6.35	≥98.5%	0 %	1
1030	1072_133x18_6.35_N	543 (1841.6 l/mm)	TE (s-pol)	135	20	6.35	≥97.5%	0 %	1
1030	1072_120x22_6.35_H	543 (1841.6 l/mm)	TE (s-pol)	122	24	6.35	≥98.5%	0 %	1
1030	1072_120x22.5_6.35_H	543 (1841.6 l/mm)	TE (s-pol)	122	24.5	6.35	≥98.5%	0 %	1
1030	1072_135x26_6.35_N	543 (1841.6 l/mm)	TE (s-pol)	137	28	6.35	≥97.5%	0 %	1
1030	1249_34x32_3_N	571 (1751.3 l/mm)	TE (s-pol)	36	34	3	≥97.5%	0 %	4
1030	1249_70x18_6.35_H	571 (1751.3 l/mm)	TE (s-pol)	72	20	6.35	≥98.5%	0 %	1
1030	1249_80x25_6.35_H	571 (1751.3 l/mm)	TE (s-pol)	82	27	6.35	≥98.5%	0 %	typ./ inquire
1030	1249_131x30_6.35_N	571 (1751.3 l/mm)	TE (s-pol)	133	32	6.35	≥97.5%	0 %	1
1030	1070_31x13.8_6.35_H	575 (1739.1 l/mm)	TE (s-pol)	33	15.8	6.35	≥98.5%	0 %	1
1030	1070_28x18_6.35_H	575 (1739.1 l/mm)	TE (s-pol)	30	20	6.35	≥98.5%	0 %	1

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Transmission Gratings

1030 nm – Page 2/4

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
1030	1070_28x18_6.35_X	575 (1739.1 l/mm)	TE (s-pol)	30	20	6.35	≥99.0%	0 %	2
1030	1070_33x22.5_3_H	575 (1739.1 l/mm)	TE (s-pol)	35	24.5	3	≥98.5%	0 %	1
1030	1070_77x13_6.35_H	575 (1739.1 l/mm)	TE (s-pol)	79	15	6.35	≥98.5%	0 %	1
1030	1366_33x38_3_H	575 (1739.1 l/mm)	TE (s-pol)	35	40	3	≥98.5%	0 %	1
1030	1070_98x13_6.35_H	575 (1739.1 l/mm)	TE (s-pol)	100	15	6.35	≥98.5%	0 %	typ./ inquire
1030	1366_33x38_3_X	575 (1739.1 l/mm)	TE (s-pol)	35	40	3	≥99.0%	0 %	1
1030	1070_108x17_6.35_H	575 (1739.1 l/mm)	TE (s-pol)	110	19	6.35	≥98.5%	0 %	1
1030	1070_98x18_6.35_X	575 (1739.1 l/mm)	TE (s-pol)	100	20	6.35	≥99.0%	0 %	1
1030	1070_128x28_6.35_N	575 (1739.1 l/mm)	TE (s-pol)	130	30	6.35	≥97.5%	0 %	1
1030	1125_43x20_6.35_N	588 (1700.7 l/mm)	TE (s-pol)	45	22	6.35	≥97.5%	15 %	2
1030	1125_43x20_6.35_H	588 (1700.7 l/mm)	TE (s-pol)	45	22	6.35	≥98.5%	15 %	1
1030	1125_53x20_6.35_N	588 (1700.7 l/mm)	TE (s-pol)	55	22	6.35	≥97.5%	15 %	1
1030	1125_90x10_6.35_N	588 (1700.7 l/mm)	TE (s-pol)	92	12	6.35	≥97.5%	0 %	1
1030	1125_53x20_6.35_H	588 (1700.7 l/mm)	TE (s-pol)	55	22	6.35	≥98.5%	15 %	1
1030	1125_70x18_6.35_N	588 (1700.7 l/mm)	TE (s-pol)	72	20	6.35	≥97.5%	0 %	5
1030	1125_70x18_6.35_H	588 (1700.7 l/mm)	TE (s-pol)	72	20	6.35	≥98.5%	0 %	3
1030	1125_50x40_6.35_H	588 (1700.7 l/mm)	TE (s-pol)	52	42	6.35	≥98.5%	30 %	1

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Transmission Gratings

1030 nm – Page 3/4

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
1030	1125_90x26_6.35_N	588 (1700.7 l/mm)	TE (s-pol)	92	28	6.35	≥97.5%	0 %	2
1030	1125_90x26_6.35_H	588 (1700.7 l/mm)	TE (s-pol)	92	28	6.35	≥98.5%	0 %	1
1030	1125_90x26_6.35_X	588 (1700.7 l/mm)	TE (s-pol)	92	28	6.35	≥99.0%	0 %	1
1030	1357_98x18_6.35_X	625 (1600.0 l/mm)	TE (s-pol)	100	20	6.35	≥99.0%	0 %	2
1030	1357_133x18_6.35_H	625 (1600.0 l/mm)	TE (s-pol)	135	20	6.35	≥98.5%	0 %	2
1030	1357_100x26_6.35_H	625 (1600.0 l/mm)	TE (s-pol)	102	28	6.35	≥98.5%	0 %	1
1030	1357_128x28_6.35_H	625 (1600.0 l/mm)	TE (s-pol)	130	30	6.35	≥98.5%	0 %	1
1030	1516_30x20_3_N	725 (1379.3 l/mm)	TE (s-pol)	32	22	3	≥97.5%	0 %	1
1030	1516_30x20_3_H	725 (1379.3 l/mm)	TE (s-pol)	32	22	3	≥98.5%	0 %	4
1030	1516_30x20_3_X	725 (1379.3 l/mm)	TE (s-pol)	32	22	3	≥99.0%	0 %	2
1030	1516_48x28_6.35_X	725 (1379.3 l/mm)	TE (s-pol)	50	30	6.35	≥99.0%	0 %	1
1030	1158_15x13_6.35_H	1000 (1000.0 l/mm)	TE (s-pol)	17	15	6.35	≥98.5%	0 %	3
1030	1158_15x13_6.35_X	1000 (1000.0 l/mm)	TE (s-pol)	17	15	6.35	≥99.0%	0 %	10
1030	1158_30x13_3_N	1000 (1000.0 l/mm)	TE (s-pol)	32	15	3	≥97.5%	0 %	2
1030	1158_30x13_3_H	1000 (1000.0 l/mm)	TE (s-pol)	32	15	3	≥98.5%	0 %	1
1030	1158_28x24.4_3_N	1000 (1000.0 l/mm)	TE (s-pol)	30	26.4	3	≥97.5%	0 %	2
1030	1158_28x24.4_3_H	1000 (1000.0 l/mm)	TE (s-pol)	30	26.4	3	≥98.5%	0 %	4

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Transmission Gratings

1030 nm – Page 4/4

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
1030	1158_37x35.3_3_H	1000 (1000.0 l/mm)	TE (s-pol)	39	37.3	3	≥98.5%	0 %	1
1030	1158_37x35.3_3_X	1000 (1000.0 l/mm)	TE (s-pol)	39	37.3	3	≥99.0%	0 %	2

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Transmission Gratings

1035-1075 nm

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
1035	1071_28x18_6.35_N	625 (1600.0 l/mm)	TE (s-pol)	30	20	6.35	≥97.5%	0 %	1
1035	1071_75x13_6.35_X	625 (1600.0 l/mm)	TE (s-pol)	77	15	6.35	≥99.0%	0 %	1
1040	1231_14.3x11_6.35_L	543 (1841.6 l/mm)	TE (s-pol)	16.3	13	6.35	≥95%	50 %	2
1040	1231_14.3x11_6.35_N	543 (1841.6 l/mm)	TE (s-pol)	16.3	13	6.35	≥97.5%	50 %	7
1040	1231_14.3x11_6.35_H	543 (1841.6 l/mm)	TE (s-pol)	16.3	13	6.35	≥98.5%	50 %	3
1040	1231_14.3x11_6.35_X	543 (1841.6 l/mm)	TE (s-pol)	16.3	13	6.35	≥99.0%	50 %	1
1040	1231_18x11_6.35_N	543 (1841.6 l/mm)	TE (s-pol)	20	13	6.35	≥97.5%	0 %	4
1040	1231_18x11_6.35_H	543 (1841.6 l/mm)	TE (s-pol)	20	13	6.35	≥98.5%	0 %	1
1046	1350_28x17_6.35_X	725 (1379.3 l/mm)	TE (s-pol)	30	19	6.35	≥99.0%	15 %	1
1050	1812_28x18_3_L	1000 (1000.0 l/mm)	TE (s-pol)	30	20	3	≥93,1%	0 %	16
1064	1534_33x18_3_L	575 (1739.1 l/mm)	TE (s-pol)	35	20	3	≥95%	30 %	1
1064	1534_33x18_3_N	575 (1739.1 l/mm)	TE (s-pol)	35	20	3	≥97.5%	30 %	7
1064	1534_30x30_6.35_H	575 (1739.1 l/mm)	TE (s-pol)	32	32	6.35	≥98.5%	0 %	1
1075	1692_63x23_6.35_N	833 (1200.5 l/mm)	TE (s-pol)	65	25	6.35	≥97.5%	0 %	3

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Transmission Gratings

1120-1300 nm

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
1120	1582_122x11_6.35_H	625 (1600.0 l/mm)	TE (s-pol)	124	13	6.35	≥98.5%	0 %	2
1190	1419_18x12_3_N	725 (1379.3 l/mm)	TE (s-pol)	20	14	3	≥97.5%	0 %	14
1190	1419_18x12_3_H	725 (1379.3 l/mm)	TE (s-pol)	20	14	3	≥98.5%	0 %	3
1300	1826_30x30_3_N	1250 (800.0 l/mm)	TE (s-pol)	32	32	3	≥97.5%	0 %	6

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Transmission Gratings

1560 nm

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
1560	1466_25x10.9_3_N	1000 (1000.0 l/mm)	TE (s-pol)	27	12.9	3	≥97.5%	0 %	1
1560	1466_25x10.9_3_H	1000 (1000.0 l/mm)	TE (s-pol)	27	12.9	3	≥98.5%	0 %	2
1560	1466_25x10.9_3_X	1000 (1000.0 l/mm)	TE (s-pol)	27	12.9	3	≥99.0%	0 %	1
1560	1466_28x18_3_N	1000 (1000.0 l/mm)	TE (s-pol)	30	20	3	≥97.5%	0 %	1
1560	1466_28x18_3_H	1000 (1000.0 l/mm)	TE (s-pol)	30	20	3	≥98.5%	0 %	2
1560	1466_28x18_3_X	1000 (1000.0 l/mm)	TE (s-pol)	30	20	3	≥99.0%	0 %	2
1560	1466_63x18_3_N	1000 (1000.0 l/mm)	TE (s-pol)	65	20	3	≥97.5%	0 %	1
1560	1466_63x18_3_H	1000 (1000.0 l/mm)	TE (s-pol)	65	20	3	≥98.5%	0 %	4
1560	1232_28x11_3_H	1250 (800.0 l/mm)	TE (s-pol)	30	13	3	≥98.5%	0 %	2
1560	1232_28x11_3_X	1250 (800.0 l/mm)	TE (s-pol)	30	13	3	≥99.0%	0 %	5
1560	1232_63x23_3_L	1250 (800.0 l/mm)	TE (s-pol)	65	25	3	≥95%	50 %	3
1560	1232_63x31_3_H	1250 (800.0 l/mm)	TE (s-pol)	65	33	3	≥98.5%	15 %	3

* **Please inquire about the efficiency curves**
* The dimensions provided are those of the element.
* The size of the free aperture is reduced with respect to the lateral dimensions by a circumferential edge of 1 mm width (e.g. an element with Width x Height equal to 42 mm x 17 mm will have a free aperture of 40 mm x 15 mm)
* gratings lines are parallel to the Height dimension
* Efficiencies are measured at 808 nm, 975 nm, 1030 nm, 1040 nm, 1046 nm, 1064 nm, 1550 nm, or 1880 nm
* inventory subject to prior sales

GITTERWERK

Transmission Gratings
1800-2070 nm

Wavelength [nm]	Article No.	Period [nm]	Pol.	Width [mm]	Height [mm]	Thickness [mm]	Measured Efficiency	Rebate	Qty.
1840	1365_28.8x12_3_N	1250 (800.0 l/mm)	TE (s-pol)	30.8	14	3	≥97.5%	0 %	3
1840	1365_28.8x12_3_H	1250 (800.0 l/mm)	TE (s-pol)	30.8	14	3	≥98.5%	0 %	2
1980	1364_28x23_6.35_H	1250 (800.0 l/mm)	TE (s-pol)	30	25	6.35	≥98.5%	0 %	1
1980	1364_39x18_3_N	1250 (800.0 l/mm)	TE (s-pol)	41	20	3	≥97.5%	0 %	1
2070	1731_38x14_3_N	1250 (800.0 l/mm)	TE (s-pol)	40	16	3	≥97.5%	0 %	7

* **Please inquire about the efficiency curves**
* The dimensions provided are those of the element.
* The size of the free aperture is reduced with respect to the lateral dimensions by a circumferential edge of 1 mm width (e.g. an element with Width x Height equal to 42 mm x 17 mm will have a free aperture of 40 mm x 15 mm)
* gratings lines are parallel to the Height dimension
* Efficiencies are measured at 808 nm, 975 nm, 1030 nm, 1040 nm, 1046 nm, 1064 nm, 1550 nm, or 1880 nm
* inventory subject to prior sales