Part Name	Part Image	Part Weight [mg]
Electric, Motor - NXT	6.	80170
Electric, Sensor, Light - NXT		12950
Electric, Sensor, Sound - NXT	0.000	13000
Electric, Sensor, Touch - NXT	000	15050
Electric, Sensor, Ultrasonic - NXT	0 0	23900
Mindstorms NXT – Brick Without Accu/Batteries		147900
Mindstorms Battery Deck		10500
Black Electric, Connector Cable, Mindstorms NXT 20cm		6600
Black Electric, Connector Cable, Mindstorms NXT 35cm		10400
Black Electric, Connector Cable, Mindstorms NXT 50cm	0	13550
Black Technic Connector with Axle Hole		313
Black Technic Knob Wheel	¥.	875
Black Technic, Angle Connector #1		438

Black Technic, Angle Connector #2 - 180 degrees		675
Black Technic, Angle Connector #4 - 135 degrees		675
Black Technic, Angle Connector #6 - 90 degrees		656
Black Technic, Axle 10	/	1500
Black Technic, Axle 12	/	1800
Black Technic, Axle 12		269
Black Technic, Axle 6		888
Black Technic, Axle 8		1175
Black Technic, Axle Joiner Double Flexible		588
Black Technic, Axle Joiner Perpendicular 3L with Center Hole		638
Black Technic, Gear 12 Tooth Double Bevel		563
Black Technic, Gear 36 Tooth Double Bevel	0	3550
Black Technic, Gear Worm Screw		575

		_
Black Technic, Liftarm Triangle Thin		1150
Black Technic, Link 1 x 9		1125
Black Technic, Pin Double with Axle Hole		900
Black Technic, Pin Joiner Perpendicular Long		850
Black Technic, Pin Joiner Round		450
Black Technic, Pin Long WITH Friction Ridges Lengthwise		283
Black Technic, Pin Long WITH Friction Ridges Lengthwise and Stop Bush		306
Black Technic, Pin WITH Friction Ridges Lengthwise		153
Black Technic, Pin WITH Friction Ridges Lengthwise and Towball	COL	231
Black Tire 56 x 26 Balloon		1313
Blue Ball, Hard Plastic, 51mm (approx. 6 studs diameter)		12850
Blue Technic, Axle Pin WITH Friction Ridges Lengthwise	•	238
Dark Bluish Gray Technic Turntable Large Type 2, Complete Assembly with Black Outside Gear Section	Con Col	12600

_		_
Dark Bluish Gray Technic, Axle 3 with Stud	1	475
Dark Bluish Gray Technic, Axle 5.5 With Stop		800
Dark Bluish Gray Technic, Axle Joiner (Ridged with x hole x orientation)	97.11	375
Dark Bluish Gray Technic, Axle Joiner Perpendicular Double		617
Dark Bluish Gray Technic, Axle Joiner Perpendicular Double Split	4	842
Dark Bluish Gray Technic, Axle Joiner Perpendicular with 2 Holes	900	721
Dark Bluish Gray Technic, Brick 1 x 4 with Holes	333	1450
Dark Bluish Gray Technic, Brick 1 x 6 with Holes	00000	2200
Dark Bluish Gray Technic, Liftarm 1 x 11.5 Double Bent Thick	/	3433
Dark Bluish Gray Technic, Liftarm 1 x 3 Thick	45.5	695
Dark Bluish Gray Technic, Liftarm 1 x 5 Thick	ST ST ST ST	1280
Dark Bluish Gray Technic, Liftarm 1 x 7 Bent (4 - 4) Thick	and the same of th	2030
Dark Bluish Gray Technic, Liftarm 1 x 9 Bent (7 - 3) Thick		2750

Dark Bluish Gray Technic, Liftarm 2 x 4 L-Shape Thick	Stole is	1422
Dark Bluish Gray Technic, Liftarm 3 x 5 L-Shape Thick		1750
Dark Bluish Gray Technic, Link 1 x 6		683
Light Bluish Gray Technic Bush		145
Light Bluish Gray Technic Bush 1/2 Smooth		100
Light Bluish Gray Technic Pole Reverser Handle	-	450
Light Bluish Gray Technic Wedge Belt Wheel (Pulley)		975
Light Bluish Gray Technic, Axle 3		430
Light Bluish Gray Technic, Axle 5		740
Light Bluish Gray Technic, Axle 7		1038
Light Bluish Gray Technic, Axle Joiner Perpendicular		420
Light Bluish Gray Technic, Axle Towball		250
Light Bluish Gray Technic, Gear 16 Tooth		575

Light Bluish Gray Technic, Gear 20 Tooth Double Bevel		1300
Light Bluish Gray Technic, Gear 24 Tooth (New Style with Single Axle Hole)		1186
Light Bluish Gray Technic, Gear 40 Tooth		3550
Light Bluish Gray Technic, Gear 8 Tooth		175
Light Bluish Gray Technic, Pin Joiner Perpendicular 2 x 2 Bent		650
Light Bluish Gray Technic, Pin Joiner Perpendicular 3 x 3 Bent with 4 Pins	2000	1460
Light Bluish Gray Technic, Pin Joiner Perpendicular 3L with 4 Pins		1230
Light Bluish Gray Technic, Pin Long WITHOUT Friction Ridges Lengthwise		349
Light Bluish Gray Technic, Pin WITHOUT Friction Ridges Lengthwise		153
Light Bluish Gray Wheel 30.4mm D. x 20mm without Pinholes, with Reinforced Rim	@	4230
Orange Bionicle 1 x 3 Tooth with Axle Hole		538
Pearl Light Gray Bionicle Visorak Fang with 2 Pin Holes (Suukorak)	and the same of th	3625
Red Ball, Hard Plastic, 51mm (approx. 6 studs diameter)		13750

Tan Technic, Axle Pin WITHOUT Friction Ridges Lengthwise		258
Very Light Bluish Gray Technic, Liftarm 1 x 11 Thick		2658
Very Light Bluish Gray Technic, Liftarm 1 x 13 Thick	Section Section 1	3300
Very Light Bluish Gray Technic, Liftarm 1 x 15 Thick		4505
Very Light Bluish Gray Technic, Liftarm 1 x 7 Thick	Salar Sa	1760
Very Light Bluish Gray Technic, Liftarm 1 x 9 Thick	1880	2610
White Cone 1 x 1 without Top Groove		2017

Images come from http://www.bricklink.com

Bricks were weighted by the Automatics and Robotics Students (from INTEGRA, based at EAliE AGH) for physical modeling purposes. We used weight with precision ±50mg, and were it was possible (almost always) we weighted all bricks and we write down a average weight of single brick. Please write any suggestions and comments to kwesoly@kwesoly.net

List of Authors:

Krzysztof Wesołowski Łukasz Bondyra Pawel Górka Jakub Tutro