

bicycle shredder v2.0

shortcuts: D=diameter; ID=inner diameter, L=length,
W=width, CS=cross section, T=thickness,
measurements in mm



code	component group	qty	components	specification	costs	source
BS_V2.0_CM_01	cutting mill	1	steel profile 1	steel, square tube, CS=20x20x2, L=400	1,28 €	steel trade
BS_V2.0_CM_02	cutting mill	1	steel profile 2 [1 mirrored]	steel, square tube, CS=20x20x2, L=400	1,28 €	steel trade
BS_V2.0_CM_03	cutting mill	2	steel profile 3	steel, angle profile, CS=20x20x3, L=180	0,70 €	steel trade
BS_V2.0_CM_04	cutting mill	2	mounting statorknive	steel, square tube, CS=20x20x3, L=114	0,73 €	steel trade
BS_V2.0_CM_05	cutting mill	1	bearingplate [left]	aluminium, cutted sheet T=6	18,27 €	metal-processing industry
BS_V2.0_CM_06	cutting mill	1	bearingplate [right]	aluminium, cutted sheet T=6	18,27 €	metal-processing industry
BS_V2.0_CM_07	cutting mill	1	statorknive-plate [front]	aluminium, cutted sheet T=6	16,26 €	metal-processing industry
BS_V2.0_CM_08	cutting mill	1	statorknive-plate [back]	aluminium, cutted sheet T=6	16,26 €	metal-processing industry
BS_V2.0_CM_09	cutting mill	2	statorknive	steel, cutted and hardened sheet T=5, manufactured after drawing	6,66 €	metal-processing industry
BS_V2.0_CM_10	cutting mill	8	end plug	polyethylene fitting into square tube CS=20x20x0,8-3, H=5	0,88 €	hardwarestore
BS_V2.0_CM_11	cutting mill	2	clamping lever	adjustable clamping lever, M06 [internal thread]	10,36 €	hardwarestore
BS_V2.0_CM_12	cutting mill	1	shaft	D=22mm, L=253mm, manufactured after drawing	3,75 €	steel trade
BS_V2.0_CM_13	cutting mill	1	square profile	ITEM profile CS=80x80; ID= 40; L=120	22,16 €	hardwarestore
BS_V2.0_CM_14	cutting mill	2	clamping set	D=22/40	64,08 €	hardwarestore
BS_V2.0_CM_15	cutting mill	4	rotorknive	steel, cutted and hardened sheet T=5mm, manufactured after drawing	40,46 €	metal-processing industry
BS_V2.0_CM_16	cutting mill	2	flange bearing	type=204, D=20	32,36 €	hardwarestore
BS_V2.0_CM_17	cutting mill	1	belt pulley	D=63, profile 10, suitable for taper tensioning bushing type=1108	3,32 €	hardwarestore
BS_V2.0_CM_18	cutting mill	1	taper tensioning bushing	type=1108; D=20	3,39 €	hardwarestore
BS_V2.0_CM_19	cutting mill	2	butten head screw	M06, L=55	0,24 €	screw dealer
BS_V2.0_CM_20	cutting mill	10	butten head screw	M06, L=25	0,60 €	screw dealer
BS_V2.0_CM_21	cutting mill	2	butten head screw	M06, L=30	0,13 €	screw dealer
BS_V2.0_CM_22	cutting mill	14	butten head screw	M06, L=8	0,65 €	screw dealer
BS_V2.0_CM_23	cutting mill	16	butten head screw	M08; L=18	1,55 €	screw dealer
BS_V2.0_CM_24	cutting mill	6	butten head screw	M08, L=25	0,53 €	screw dealer
BS_V2.0_CM_25	cutting mill	8	butten head screw	M08, L=35	1,04 €	screw dealer
BS_V2.0_CM_26	cutting mill	4	butten head screw	M10; L=16	0,59 €	screw dealer
BS_V2.0_CM_27	cutting mill	2	washer	M6, big outside diameter	0,05 €	screw dealer
BS_V2.0_CM_28	cutting mill	24	washer	M08	0,23 €	screw dealer
BS_V2.0_CM_29	cutting mill	4	washer	M10	0,07 €	screw dealer
BS_V2.0_CM_30	cutting mill	8	nut	lock nut M08	0,18 €	screw dealer
BS_V2.0_CM_31	cutting mill	16	sliding block	M8; mounting groove 8	3,43 €	hardwarestore
BS_V2.0_ML_01	material lock	2	sheet 1	steel, cutted sheet T=3	21,82 €	metal-processing industry
BS_V2.0_ML_02	material lock	1	sheet 2	steel, cutted sheet T=3	12,94 €	metal-processing industry
BS_V2.0_ML_03	material lock	1	sheet 3	steel, cutted sheet T=3	13,41 €	metal-processing industry
BS_V2.0_ML_04	material lock	1	sheet 4	steel, cutted sheet T=3	13,25 €	metal-processing industry
BS_V2.0_ML_05	material lock	1	sheet 5	steel, cutted sheet T=3	12,88 €	metal-processing industry
BS_V2.0_ML_06	material lock	1	sheet 6	steel, cutted sheet T=3	13,04 €	metal-processing industry
BS_V2.0_ML_07	material lock	1	sheet 7	steel, cutted sheet T=3	13,44 €	metal-processing industry
BS_V2.0_ML_08	material lock	1	sheet 8	steel, cutted sheet T=3	13,63 €	metal-processing industry
BS_V2.0_ML_09	material lock	1	sheet 9	steel, cutted sheet T=3	12,76 €	metal-processing industry
BS_V2.0_ML_10	material lock	1	sheet 10	steel, cutted sheet T=3	14,88 €	metal-processing industry
BS_V2.0_ML_11	material lock	1	window	acrylic glas, cutted sheet T=6	-	leftovers
BS_V2.0_ML_12	material lock	6	steel profile	steel, pipe D=10, ID=6, L=32	3,49 €	steel trade
BS_V2.0_ML_13	material lock	6	metal sheet	steel, sheet T=1,5, W=15, L=32, manufactured after drawing	-	steel trade
BS_V2.0_ML_14	material lock	6	plastic sheet	PE, sheet T=1,5, W=32, L=130, manufactured after drawing	-	leftovers
BS_V2.0_ML_15	material lock	1	threaded rod	M06, L=220	0,27 €	screw dealer
BS_V2.0_ML_16	material lock	2	washer	M06	0,01 €	screw dealer
BS_V2.0_ML_17	material lock	2	nut	lock nut M06	0,02 €	screw dealer

BS_V2.0_ML_18	material lock	12	button head screw	M03, L=5	0,07 €	screw dealer
BS_V2.0_ML_19	material lock	6	button head screw	M04, L=10	0,24 €	screw dealer
BS_V2.0_ML_20	material lock	2	star-knob screw	M06, L=15	2,74 €	screw dealer
BS_V2.0_ML_21	material lock	2	nut	weld nut M06	0,10 €	screw dealer
BS_V2.0_CS_01	collection box / sieve	1	box sheet	steel, sheet W=196, L=260, T=1.5, manufactured after drawing	1,27 €	steel trade
BS_V2.0_CS_02	collection box / sieve	1	window	acrylic glas, cutted sheet T=6mm	-	leftovers
BS_V2.0_CS_03	collection box / sieve	1	window [lock side]	acrylic glas, cutted sheet T=6mm	-	leftovers
BS_V2.0_CS_04	collection box / sieve	1	quick release clamp	GN 832.2-55-A-NI	2,34 €	hardwarestore
BS_V2.0_CS_05	collection box / sieve	2	sieve-profile plate	steel, cutted sheet T=4	6,28 €	metal-processing industry
BS_V2.0_CS_06	collection box / sieve	1	support plate [lock side]	steel, cutted sheet T=4	1,65 €	metal-processing industry
BS_V2.0_CS_07	collection box / sieve	1	support plate	steel, cutted sheet T=4	1,65 €	metal-processing industry
BS_V2.0_CS_08	collection box / sieve	1	perforated plate	steel sheet T=1.5, L=252, W=124, center-to-center=12, D=8	8,50 €	steel trade
BS_V2.0_CS_09	collection box / sieve	2	cylinder-head screw	M04, L=5	0,05 €	screw dealer
BS_V2.0_CS_10	collection box / sieve	2	star-knob screw	M06, L=10	2,74 €	hardwarestore
BS_V2.0_CS_11	collection box / sieve	2	button head screw	M03, L=6	0,06 €	screw dealer
BS_V2.0_CS_12	collection box / sieve	2	button head screw	M03, L=12	0,07 €	screw dealer
BS_V2.0_CS_13	collection box / sieve	2	washer	M03	0,05 €	screw dealer
BS_V2.0_CS_14	collection box / sieve	2	nut	lock nut M03	0,02 €	screw dealer
BS_V2.0_CS_15	collection box / sieve	8	button head screw	M04, L=14	0,24 €	screw dealer
BS_V2.0_CS_16	collection box / sieve	8	washer	M04	0,05 €	screw dealer
BS_V2.0_CS_17	collection box / sieve	8	nut	lock nut M04	0,08 €	screw dealer
BS_V2.0_SP_01	shaft protection	1	pipe	aluminium, pipe D=80, ID=76, L=70, manufactured after drawing	2,62 €	steel trade
BS_V2.0_SP_02	shaft protection	1	window	acrylic glas, cutted sheet T=6	-	leftovers
BS_V2.0_SP_03	shaft protection	2	mounting bracket	steel, sheet T=1.5, CS=20x40, manufactured after drawing	0,00 €	steel trade
BS_V2.0_SP_04	shaft protection	8	button head screw	M03, L=5	0,55 €	screw dealer
BS_V2.0_SP_05	shaft protection	2	magnet	pot magnet D=16 with threaded pin M06	5,40 €	hardwarestore
BS_V2.0_FW_01	friction wheel	1	axle	steel D=15, L=192, manufactured after drawing	1,75 €	steel trade
BS_V2.0_FW_02	friction wheel	4	wood plate	plywood, milled T=15	0,00 €	leftovers
BS_V2.0_FW_03	friction wheel	2	aluminum profile	aluminium, angel profile CS=20x12x2, L=19.5, manufactured after drawing	0,48 €	steel trade
BS_V2.0_FW_04	friction wheel	1	threaded rod	M06, L=80	0,05 €	screw dealer
BS_V2.0_FW_05	friction wheel	2	pillow block	type=KP002, D=15	17,00 €	hardwarestore
BS_V2.0_FW_06	friction wheel	1	taper tensioning bushing	type=1108, D=15	3,39 €	hardwarestore
BS_V2.0_FW_07	friction wheel	1	belt pulley	D=71, profile 10, suitable for taper tensioning bushing type=1108	4,22 €	hardwarestore
BS_V2.0_FW_08	friction wheel	2	clamping ring	D=15	16,26 €	hardwarestore
BS_V2.0_FW_09	friction wheel	4	button head screw	M04, L=6	0,08 €	screw dealer
BS_V2.0_FW_10	friction wheel	4	button head screw	M06, L=40	0,35 €	screw dealer
BS_V2.0_FW_11	friction wheel	10	washer	M06	0,07 €	screw dealer
BS_V2.0_FW_12	friction wheel	6	nut	lock nut M06	0,08 €	screw dealer
BS_V2.0_BP_01	belt protection	1	window	acrylic glas, cutted sheet T=4	-	leftovers
BS_V2.0_BP_02	belt protection	1	protection plate	steel, sheet W=85.5, L=759, T=1.5, manufactured after drawing	1,62 €	steel trade
BS_V2.0_BP_03	belt protection	2	button head screw	M06, L=8	0,09 €	screw dealer
BS_V2.0_BP_04	belt protection	2	washer	M06	0,01 €	screw dealer
BS_V2.0_BP_05	belt protection	6	button head screw	M04, L=12	0,18 €	screw dealer
BS_V2.0_BP_06	belt protection	6	washer	M04	0,04 €	screw dealer
BS_V2.0_BP_07	belt protection	6	nut	lock nut M06	0,07 €	screw dealer
BS_V2.0_HA_01	height adjustment	1	turning knob	steel strip CS=20x3, L=28	0,03 €	steel trade
BS_V2.0_HA_02	height adjustment	1	clamping ring	seperated, D=6mm	3,59 €	hardwarestore
BS_V2.0_HA_03	height adjustment	1	trapezoidal thread	tooling steel, trapezoidal thread spindle TR 12x6 P3 right, L=235	32,50 €	hardwarestore
BS_V2.0_HA_04	height adjustment	1	trapezoidal thread nut	gunmetal, trapezoidal thread nut TR 12x6 P3 right, with aluminium body		hardwarestore
BS_V2.0_HA_05	height adjustment	1	flange bearing	type=KFL08, D=8	4,00 €	hardwarestore
BS_V2.0_HA_06	height adjustment	1	nut	fine thread M08/1	0,03 €	screw dealer
BS_V2.0_HA_07	height adjustment	2	button head screw	M05, L=20	0,07 €	screw dealer
BS_V2.0_HA_08	height adjustment	2	washer	M05	0,01 €	screw dealer
BS_V2.0_HA_09	height adjustment	2	button head screw	M04, L=10	0,05 €	screw dealer
BS_V2.0_HA_10	height adjustment	2	washer	M04	0,01 €	screw dealer
BS_V2.0_SF_01	steel frame	1	steel profile 1	steel, pipe CS=42, ID=37, L=500	1,86 €	steel trade
BS_V2.0_SF_02	steel frame	1	steel profile 2	steel, quare tube CS=20x20x2, L=593mm	1,90 €	steel trade
BS_V2.0_SF_03	steel frame	1	steel profile 3	steel, quare tube CS=20x20x2, L=593	1,90 €	steel trade
BS_V2.0_SF_04	steel frame	1	steel profile 4	steel, strip CS=40x5, L=180	0,55 €	steel trade

BS_V2.0_SF_05	steel frame	1	steel profile 5	steel strip CS=30x5, L=656	1,52 €	steel trade
BS_V2.0_SF_06	steel frame	1	steel profile 6	rectangular tube CS=50x25x2, L=535	3,03 €	steel trade
BS_V2.0_SF_07	steel frame	1	steel profile 7 [6 mirrored]	rectangular tube CS=50x25x2, L=535	3,03 €	steel trade
BS_V2.0_SF_08	steel frame	1	steel profile 8	steel, strip CS=20x3, L=300	0,30 €	steel trade
BS_V2.0_SF_09	steel frame	1	steel profile 9	steel, angel profile CS=20x20x3, L=430	0,83 €	steel trade
BS_V2.0_SF_10	steel frame	1	steel profile 10 [9 mirrored]	steel, angle profile CS=20x20x3, L=430	0,83 €	steel trade
BS_V2.0_SF_11	steel frame	4	steel profile 11	steel, square tube CS=40x3, L=50	0,42 €	steel trade
BS_V2.0_SF_12	steel frame	1	steel profile 12	steel, pipe CS=42, ID=37, L=500	1,86 €	steel trade
BS_V2.0_SF_13	steel frame	2	steel profile 13	steel, square tube CS=30x30x2, L=430	3,74 €	steel trade
BS_V2.0_SF_14	steel frame	2	slider	POM, cutted sheet T=2	0,00 €	leftovers
BS_V2.0_SF_15	steel frame	1	protection cover	canvas cover manufactured after drawing	0,00 €	leftovers
BS_V2.0_SF_16	steel frame	1	protection cover	canvas cover manufactured after drawing	0,00 €	leftovers
BS_V2.0_SF_17	steel frame	2	magnet	pot magnet D=16, with threaded pin M06	5,40 €	hardwarestore
BS_V2.0_SF_18	steel frame	4	end plug	polyethylene, D=42	5,74 €	hardwarestore
BS_V2.0_SF_19	steel frame	10	eye bolt	M05	5,62 €	screw dealer
BS_V2.0_SF_20	steel frame	6	countersunk screw	M03, L=6	0,12 €	screw dealer
BS_V2.0_SF_21	steel frame	2	cylinder-head screw	M08, L=50	0,27 €	screw dealer
BS_V2.0_SF_22	steel frame	4	washer	M08	0,04 €	screw dealer
BS_V2.0_SF_23	steel frame	4	washer	POM M08, T=1.6	0,14 €	screw dealer
BS_V2.0_SF_24	steel frame	2	nut	lock nut M08	0,04 €	screw dealer
BS_V2.0_SF_25	steel frame	2	spacer nut	M16, L=50, round	2,35 €	screw dealer
BS_V2.0_WM_01	wheel-mount	2	turning knob	steel, cutted sheet T=6	15,21 €	metal-processing industry
BS_V2.0_WM_02	wheel-mount	2	threaded rod	M16, L=130	1,09 €	screw dealer
BS_V2.0_WM_03	wheel-mount	2	adapter socket	steel, turned bar D=25, L=33	1,44 €	steel trade
BS_V2.0_WM_04	wheel-mount	2	nut	M16	0,15 €	screw dealer
BS_V2.0_WM_05	wheel-mount	2	countersunk screw	M08, L=35	0,18 €	screw dealer
					597,93 €	