



Product Quality Function Matrix

Main components

Customer requirement	Gear material	Gear hardness	Gear strength	Gear precision	Bearing material	Bearing hardness	Bearing strength	Bearing precision	Motor power	Motor rotating speed	Motor heat	Lubricant type	Lubricant viscosity	Lubricant Brand	Row Number	Weight
Reliability	◎							◎		◎					1	9
Lifespan		■	◎	●			■		●				◎		2	6
Operating temperature					◎						●				3	3
Operating efficiency			■									●			4	5
Maintenance service										◎					5	3
Maintenance price															6	1
Price	●	●							◎						7	7
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Score	4	3	5	1	3	0	2	3	4	6	1	1	3	1		
Weight	25	86	115	94	68	45	89	68	58	69	22	87	43	12		