HS Code	Product Description	Base Rate	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	Year 21 and Subsequent Years
8481.2	-Valves for oleohydraulic or pneumatic transmissions:																						
8481.20.10	---For oleohydraulic transmissions	5.0%	4.5%	4.0%	3.5%	3.0%	2.5%	2.0%	1.5%	1.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.20.20	---For pneumatic transmissions	5.0%	4.5%	4.0%	3.5%	3.0%	2.5%	2.0%	1.5%	1.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.30.00	-Check(nonretum)valves	5.0%	4.5%	4.0%	3.5%	3.0%	2.5%	2.0%	1.5%	1.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.40.00	-Safety or relief valves	5.0%	4.5%	4.0%	3.5%	3.0%	2.5%	2.0%	1.5%	1.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.8	-Other appliances:																						
8481.80.2	--Directional control valves:																						
8481.80.21	---Electromagnetical operated	7.0%	6.3%	5.6%	4.9%	4.2%	3.5%	2.8%	2.1%	1.4%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.80.29	---Other	7.0%	6.3%	5.6%	4.9%	4.2%	3.5%	2.8%	2.1%	1.4%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.80.3	--Flow valves:																						
8481.80.31	---Electronic expansion valves	7.0%	6.3%	5.6%	4.9%	4.2%	3.5%	2.8%	2.1%	1.4%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.80.39	---Other	7.0%	6.3%	5.6%	4.9%	4.2%	3.5%	2.8%	2.1%	1.4%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.80.40	--Other valves	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.80.90	--Other	5.0%	4.5%	4.0%	3.5%	3.0%	2.5%	2.0%	1.5%	1.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.9	-Parts:																						
8481.90.10	--Of valves	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8481.90.90	--Other	8.0%	7.2%	6.4%	5.6%	4.8%	4.0%	3.2%	2.4%	1.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482	**Ball or roller bearings:**																						
8482.1	-Ball bearings:																						
8482.10.10	--Self-aligning ball bearing	8.0%	7.2%	6.4%	5.6%	4.8%	4.0%	3.2%	2.4%	1.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482.10.20	--Deep groove ball bearing	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482.10.30	---Angular contact ball bearing	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482.10.40	--Thrust ball bearing	8.0%	7.2%	6.4%	5.6%	4.8%	4.0%	3.2%	2.4%	1.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482.10.90	--Other	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482.20.00	-Tapered roller bearings, including cone and tapered roller assemblies	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482.30.00	-Spherical roller bearings	8.0%	7.2%	6.4%	5.6%	4.8%	4.0%	3.2%	2.4%	1.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482.40.00	-Needle roller bearings	8.0%	7.2%	6.4%	5.6%	4.8%	4.0%	3.2%	2.4%	1.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482.50.00	-Other cylindrical roller bearings	8.0%	7.2%	6.4%	5.6%	4.8%	4.0%	3.2%	2.4%	1.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482.80.00	-Other, including combined ball/roller bearings	8.0%	7.6%	7.2%	6.8%	6.4%	6.0%	5.6%	5.2%	4.8%	4.4%	4.0%	3.6%	3.2%	2.8%	2.4%	2.0%	1.6%	1.2%	0.8%	0.4%	0.0%	0.0%
8482.9	-Parts:																						
8482.91.00	--Balls, needles and rollers	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8482.99.00	--Other	6.0%	5.4%	4.8%	4.2%	3.6%	3.0%	2.4%	1.8%	1.2%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8483	**Transmission shafts(including cam shafts and crank shafts)and cranks; bearing housings and plain shaft bearings; gears and gearing ball or roller screws; gear boxes and other speed changers, including torque converters; flywheels and pulleys, including pulley blocks; clutches and shaft couplings(including universal joints):**																						
8483.1	-Transmission shafts(including cam shafts and crank shafts)and cranks:																						

HS Code	Product Description	Base Rate	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	Year 21 and Subsequent Years
8483.10.1	--Transmission shafts for ships:																						
8483.10.11	---Diesel engine crankshaft	6.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
8483.10.19	---Other	6.0%	5.4%	4.8%	4.2%	3.6%	3.0%	2.4%	1.8%	1.2%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8483.10.90	--Other	6.0%	5.4%	4.8%	4.2%	3.6%	3.0%	2.4%	1.8%	1.2%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8483.20.00	-Bearing housings, incorporating ball or roller bearings	6.0%	5.4%	4.8%	4.2%	3.6%	3.0%	2.4%	1.8%	1.2%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8483.30.00	-Bearing housings, not incorporating ball or roller bearings;plain shaft bearings	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8483.4	-Gears and gearing, other than toothed wheels, chain sprockets and other transmission elements presented separately;ball or roller screws;gear boxes and other speed changers, including torque converters:																						
8483.40.10	---Roller Screws	8.0%	7.2%	6.4%	5.6%	4.8%	4.0%	3.2%	2.4%	1.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8483.40.20	---Planet decelerators	8.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
8483.40.90	---Other	8.0%	7.2%	6.4%	5.6%	4.8%	4.0%	3.2%	2.4%	1.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8483.50.00	-Flywheels and pulleys, including pulley blocks	8.0%	7.2%	6.4%	5.6%	4.8%	4.0%	3.2%	2.4%	1.6%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8483.60.00	-Clutches and shaft couplings(including universal joints)	8.0%	7.6%	7.2%	6.8%	6.4%	6.0%	5.6%	5.2%	4.8%	4.4%	4.0%	3.6%	3.2%	2.8%	2.4%	2.0%	1.6%	1.2%	0.8%	0.4%	0.0%	0.0%
8483.90.00	-Toothed wheels, chain sprockets and other transmission elements presented separately; parts	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
8484	**Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal; sets or assortments of gaskets and similar joints, dissimilar in composition, put up in pouches, envelopes or similar packings mechanical seals:**																						
8484.10.00	-Gaskets and similar joints of metal sheeting combined with other material or of two or more layers of metal	8.0%	7.6%	7.2%	6.8%	6.4%	6.0%	5.6%	5.2%	4.8%	4.4%	4.0%	3.6%	3.2%	2.8%	2.4%	2.0%	1.6%	1.2%	0.8%	0.4%	0.0%	0.0%
8484.20.00	-Mechanical seals	8.0%	7.6%	7.2%	6.8%	6.4%	6.0%	5.6%	5.2%	4.8%	4.4%	4.0%	3.6%	3.2%	2.8%	2.4%	2.0%	1.6%	1.2%	0.8%	0.4%	0.0%	0.0%
8484.90.00	-Other	8.0%	7.6%	7.2%	6.8%	6.4%	6.0%	5.6%	5.2%	4.8%	4.4%	4.0%	3.6%	3.2%	2.8%	2.4%	2.0%	1.6%	1.2%	0.8%	0.4%	0.0%	0.0%
8486	**Machines and apparatus of a kind used solely or principally for the manufacture of semiconductor boules or wafers, semiconductor devices, electronic integrated circuits or flat panel displays; machines and apparatus specified in Note 9 (C) to this Chapter; parts and accessories:**																						