

China's rare earth export controls

The United States has called on Australia and Canada to develop their rare earth minerals after China threatened to stop exports to America.

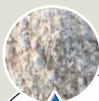
Rare earth elements are crucial to advanced U.S. weapons

High-strength magnets, electric motors, fuel cells, computers

Each F-35 uses 417kg of rare earth alloys

Praseodymium (Pr)

Dysprosium (Dy)



Neodymium (Nd)

Samarium (Sm)

Terbium (Tb)

Electronic warfare,
radar, sonar

Lasers, guidance,
control, targeting



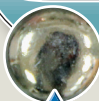
Lanthanum (La)

Lutetium (Lu)

Cerium (Ce)

Yttrium (Y)

Europium (Eu)



Gadolinium (Gd)

Holmium (Ho)

Scandium (Sc)

Thulium (Tm)

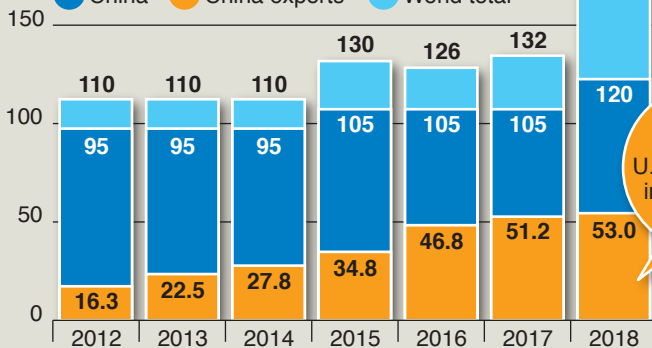
Ytterbium (Yb)

Promethium (Pm)

Erbium (Er)

Rare earth production (thousand tonnes)

● China ● China exports ● World total



18,850 tonnes
U.S. rare earth imports from China