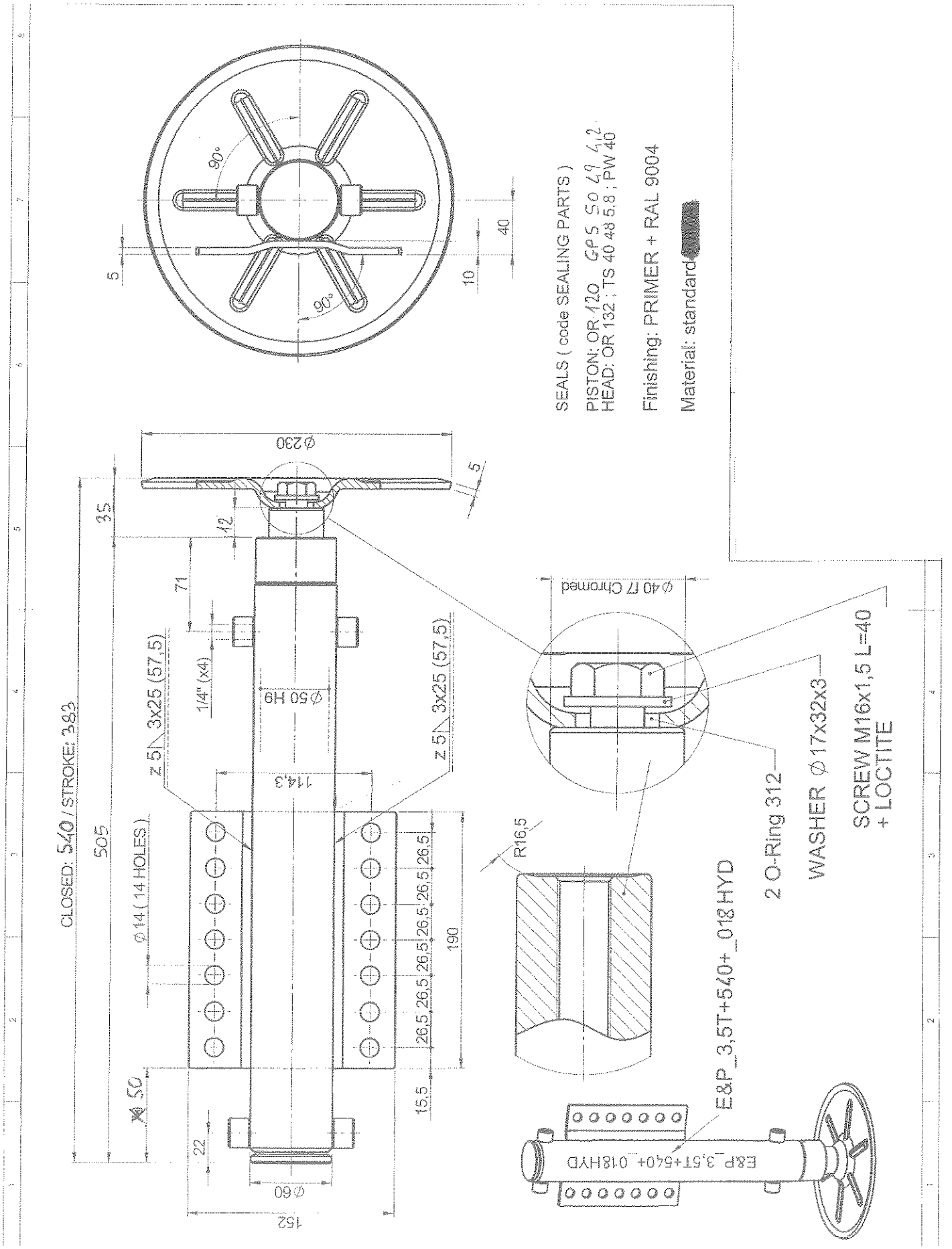E&P HYDRAULICS