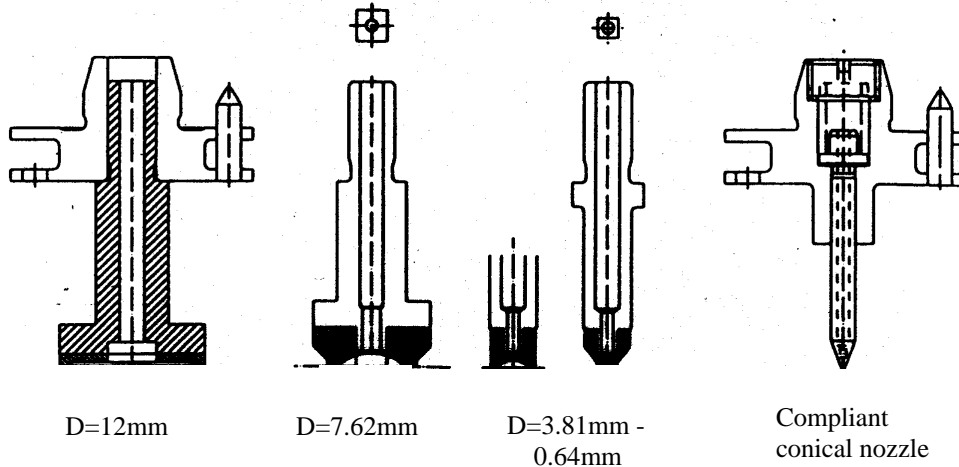


STANDARD VACUUM NOZZLES / DIE COLLETS



D=12mm

D=7.62mm

D=3.81mm -
0.64mm

Compliant
conical nozzle

General	<ul style="list-style-type: none"> • The vacuum nozzles consist of a metal holder and a rubber tip. Different types of nozzles and tips are available for a large variety of different component and bare dies. Depending on size and surface different nozzle diameters may be selected. • Die collets are special nozzles that can be used with bare dies. For every die collet, a die collet holder is needed.
Specifications	<ul style="list-style-type: none"> • compatible with automatic vacuum tip rack (max. 6 tip/tiprack) • magnetically fixed on placement head • for all SMD component and bare dies down to 0.25mm x 0.25mm • vacuum tip shaft blackened for optimal vision on picked die • rubber tips available as spare parts • Compliant conical nozzles spring loaded, spring constant = 0.282 N/mm for very small dies • Calibration nozzle: vacuum nozzle with OD=12mm for picking calibration glass plate also usable to pick very large dies (>13mm) <ul style="list-style-type: none"> ↳ one calibration nozzle per LZRR head required ↳ no calibration nozzle for HZRZ head required if DCA tool is used • Die collets: for bare dies, peripheral contact on die, custom design, different materials available: stainless steel, silicon rubber, special plastics <ul style="list-style-type: none"> ↳ per die collet one die collet holder (part 40.21.600) is required