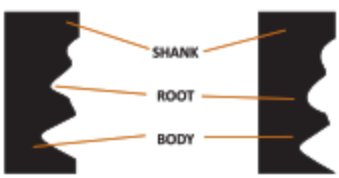
Unbrako
THE WORLD LEADER

HIGH-PERFORMANCE SOCKET SCREWS

Head with increased bearing area for greater load carrying capability. Precision forged for symmetrical grain flow, maximum strength.

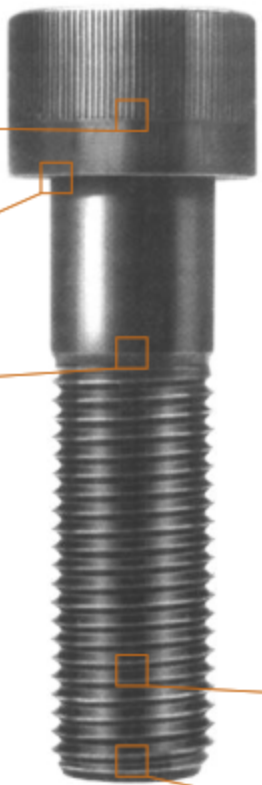
Specially designed Elliptical fillet doubles fatigue life at critical head-shank juncture.

"3-R" (radiused-root runout) increases fatigue life at this critical juncture.

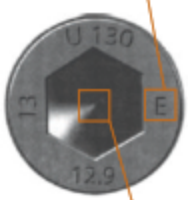


CONVENTIONAL THREAD RUNOUT - Note sharp angle at root where high stress concentration soon develops crack which penetrates into body of the screw.

UNBRAKO "3-R" (Radiused Root Runout) THREAD - Controlled radius of runout root provides a smooth form that distributes stress and increases fatigue life of thread run-out as a much as 300% in certain sizes.



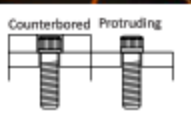
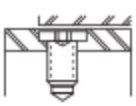
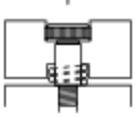
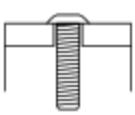
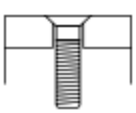
Total Traceability: Patented E-CODE™ head marking system allows tracing of test records to specific production batches



Deep, accurate socket for high torque wrenching. Knurls for easier handling. Marked for easier identification.

Fully formed radiused thread increases fatigue life 100% over flat root thread forms.

Controlled heat treatment produces maximum strength without brittleness & decarbonisation

Unbrako Socket Products		Application / Features
Socket Head Cap Screws Alloy / Stainless		 Suitable for all high tensile applications. Up to 190,000 psi/ 1300 Mpa– highest of any socket cap screw. Use Stainless for corrosive, cryogenic or elevated temperature environment.
Socket Head Cap Screws Low Head Series Alloy / Stainless		 Suitable for use in parts too thin for standard Socket Head Cap Screw and for applications with limited clearance.
Socket Set Screws (Grub Screws) Alloy / Stainless		 Fasten collars, sheaves, gears, knobs on shafts. Locate machine parts. Self-locking knurled cup point is standard. Special Points like Flat, Dog, Cone & Plain Cup are also available.
Shoulder Screws		 Replaces costly special parts – shafts, pivots, pins, guides, linkages and trunnion mountings. Also standard for tool and die industries.
Button Head Cap Screws Alloy / Stainless		 Low head streamline design. Use them in materials too thin to countersink; also for non-critical loading requiring heat treated screws
Flat Head Countersunk Socket Screws Alloy / Stainless		 Controlled angle under the head ensures maximum flushness and side wall contact. Non-slip Hex socket prevents marring of material.