Countersunk head PZ - 30° thread - blunt end

Direct fastening into plastics. Reference geometry: Kilton 116. Check the component material, pilot hole and assembly conditions.

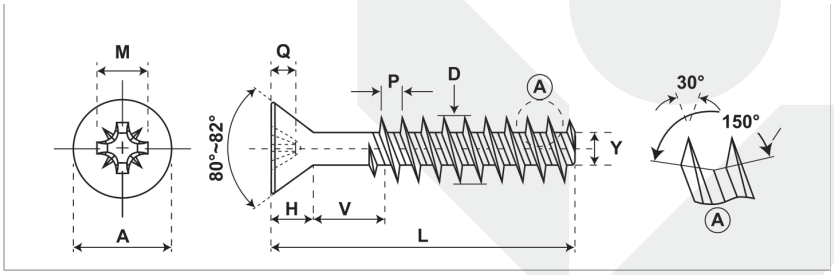
30° thread



Representative photo: the technical drawing defines the execution’s drive, point and dimensions.

Geometry reference: Kilton 116 · Thread: 30° thread · Drive: PZ · Units: mm

Technical drawing and legend



A	Head diameter
H	Head height
Q	Recess depth
M	Recess width
R	Underhead fillet radius
V	Maximum unthreaded portion under the head
D	Major thread diameter
P	Thread pitch
Y	Minor diameter
L	Length to specify in the enquiry; reference as shown in the drawing

Kilton 116 drawing, not to scale.

Dimensions

Dimensions in mm, except drive size. Min / max pairs are dimensional limits for Kilton 116. A dash means the manufacturer does not state a value. Specify the required length in the enquiry.

Nominal diameter	A min max	H	Q min max	Drive n°	M	R
2,2	3,70 / 4,00	1,20	1,02 / 1,32	1	2,40	0,40
2,5	4,70 / 5,00	1,50	1,25 / 1,76	1	2,50	0,40
3	5,20 / 5,50	1,70	1,40 / 1,70	1	3,00	0,40
3,5	6,44 / 6,80	2,20	1,62 / 2,12	2	3,70	0,40
4	7,14 / 7,50	2,30	2,03 / 2,53	2	4,60	0,40
5	7,74 / 8,10	2,40	2,11 / 2,62	2	4,70	0,50
6	10,37 / 10,80	3,50	2,95 / 3,53	3	6,80	0,60

Nominal diameter	V max	D min max	P	Y
2,2	1,10	2,20 / 2,34	0,98	1,23
2,5	1,30	2,50 / 2,64	1,12	1,38
3	1,50	3,00 / 3,18	1,34	1,63
3,5	1,80	3,50 / 3,68	1,57	1,89
4	2,00	4,00 / 4,18	1,79	2,14
5	2,50	5,00 / 5,18	2,24	2,66
6	3,00	6,00 / 6,18	2,69	3,16

Materials and finishes

Material	Finish	Source
C1018-C1022 steel	To be specified in the quotation	Kilton 116
A2 stainless steel	Confirm for the requested execution	IN116

Dueemme confirms material, finish and availability in the quotation. Steel execution dimensions do not automatically apply to stainless versions.

Documentation

Document	Status
Declaration of conformity	Subject to order agreement
Material certificate	Subject to order agreement
EN 10204 2.2 test report	Subject to order agreement
EN 10204 3.1 inspection certificate	Subject to order agreement
Dimensional inspection report	Subject to order agreement
Coating report	Subject to order agreement
Other documentation	Subject to order agreement

Batch documents are not automatically included: specify your requirements in the RFQ.

Application guidance

Pilot hole and assembly torque depend on the polymer, fillers, wall thickness and boss geometry. Validate fastening on the actual component; do not automatically apply metric screw tightening torques.

HI-LO and 30° screws have different profiles. PT, DELTA PT and ecosyn plast trade names do not establish automatic equivalence with the geometry shown here.

Technical sources

Kilton 116 · IN116