Countersunk head PH - HI-LO - pointed

Direct fastening into plastics. Reference geometry: Kilton 162. Check the component material, pilot hole and assembly conditions.

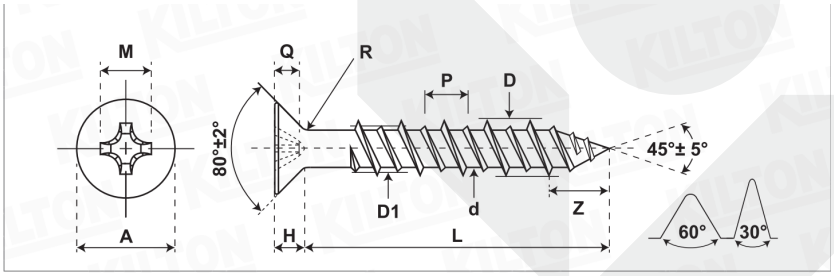
HI-LO



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

Geometry reference: Kilton 162 · Thread: HI-LO · Drive: PH · Units: mm

Technical drawing and legend



A	Head diameter
H	Head height
Q	Recess depth
M	Recess width
R	Underhead fillet radius
D1	Major diameter of the low thread
D	Major diameter of the high thread
d	Minor diameter
P	Pitch between high-thread crests
Z	Axial extent of the point
L	Length to specify in the enquiry; reference as shown in the drawing

Kilton 162 drawing, not to scale.

Dimensions

Dimensions in mm, except drive size. Min / max pairs are dimensional limits for Kilton 162. 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
2,5	4,00 / 4,30	1,30	1,02 / 1,32	1	2,50	0,80
3	4,60 / 4,90	1,50	1,25 / 1,55	1	2,70	0,90
3,5	5,20 / 5,50	1,70	1,40 / 1,70	1	3,00	1,10
4	6,44 / 6,80	2,10	1,62 / 2,12	2	4,20	1,40
4,5	7,14 / 7,50	2,30	2,03 / 2,53	2	4,60	1,50
5	7,74 / 8,10	2,50	2,11 / 2,62	2	4,70	1,60
5,5	9,14 / 9,50	3,00	2,59 / 3,10	2	5,10	1,90
6	10,37 / 10,80	3,40	2,95 / 3,53	3	6,80	2,10

Nominal diameter	D1	D min max	d min max	P	Z
2,5	-	2,45 / 2,65	- / -	-	-
3	2,49	2,95 / 3,15	1,75 / 1,95	2,10	2,30
3,5	2,74	3,35 / 3,65	1,85 / 2,15	2,50	2,60
4	3,14	3,80 / 4,10	2,15 / 2,45	2,70	3,00
4,5	3,44	4,35 / 4,65	2,35 / 2,65	2,80	3,20
5	3,79	4,80 / 5,10	2,70 / 3,00	3,00	3,70
5,5	4,29	5,30 / 5,60	3,20 / 3,50	3,00	4,30
6	4,79	5,80 / 6,10	3,60 / 3,90	3,10	4,80

Materials and finishes

Material	Finish	Source
C1018-C1022 steel	Cr3 zinc plating	Kilton 162

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 162