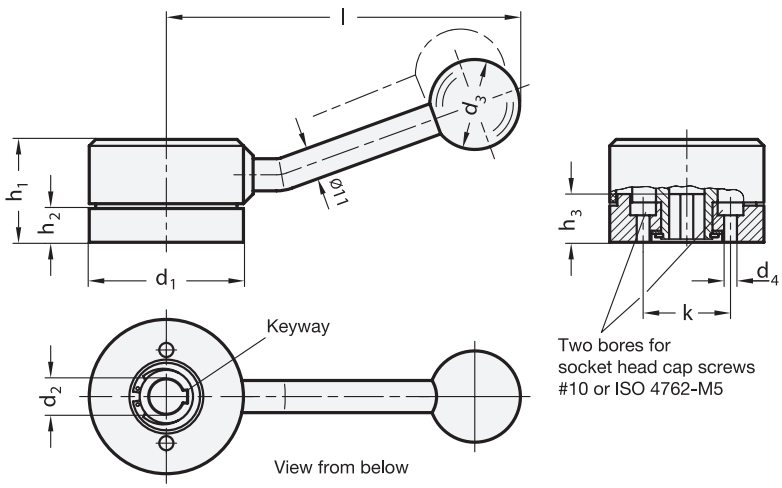
Indexing Levers

Steel, with or without Serrations



Metric

3 Type

A Without serrations
B With 30 serrations

Metric table

Dimensions in: millimeters / inches

1 d_1	2 d_2 H7 Bore with keyway		d_3	d_4	d_5	h_1	h_2	h_3 Max. shaft length	k	Length l	w +0.5°
54 2.13	K 10	K 12	32 1.26	5.2 0.20	44.5 1.75	37 1.46	13 0.51	16.5 0.65	30 1.18	122 4.80	22°
60 2.36	K 14	K 16	32 1.26	5.2 0.20	50 1.97	39 1.54	15 0.59	18.5 0.73	36 1.42	125 4.92	19°

Specification

Lever
Steel
- Blackened finish
- Keyway
  - Tolerance slot width P9
  - Bore K 10: DIN 6885-1
  - Bore K 12 ... K 16: DIN 6885-2

Cover
Plastic
- Black
- with affixed PVC cover disk

Ball knob DIN 319
Plastic, Phenolic (PF)
Black, shiny finish

RoHS

On request

- Serrations, restricted angle to drawing

With indexing levers GN 215, shafts can be turned through a predetermined angle and positively locked to index lift the lever against spring pressure from serrations (one hand control).
Available with or without serrations. Version with 30 serrations has 12° angle per serration.
Limiting the indexing angle can be achieved with two dowels, see above drawing.
The bushing is connected to the shaft via a keyway.
The location flange is bolted to the machine with two socket cap screws.
The lever via location pins, provides the connection between shaft and location flange.
The serrations are protected from debris by the cover. This cover can be inserted by hand (elastic segments engage into a groove) and removed with a screwdriver.

see also...	Page
GN 200 Indexing Mechanisms (Steel / Stainless Steel)	QVX / QVX
GN 700 Indexing Knobs (with Stepless Positioning)	QVX

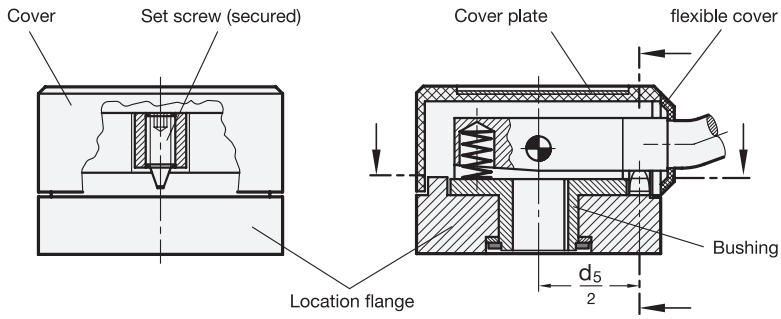
Technical Information	
Technical and Assembly Instructions for Indexing Levers	QVX
Keyways WN 6885 / DIN 6885-1	QVX
Keyways P9 DIN 6885-2	QVX
ISO Fundamental Tolerances	QVX

How to order

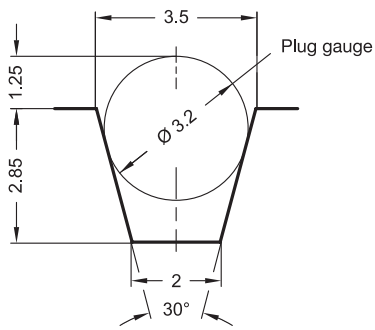
GN 215-60-K14-A

1	Outside diameter d_1
2	Bore with keyway d_2
3	Type

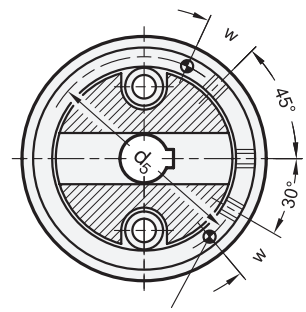
⚠ WARNING: Cancer and Reproductive Harm — www.P65Warnings.ca.gov



Enlargement of serrations
with plug gauge to aid checking



Example with
three serrations and restricted indexing angle



Dowel pin ISO 8750 Ø 3,5 x 7 mm protruding
(only applicable when restricted indexing angle is required)
w = angle from serration (lever position)

Technical and Assembly Instructions

The location pin is a wedge-type as standard, which guarantees backlash-free positioning and also achieving easy engagement and disengagement.

If backlash-free positioning is not required, a dowel pin (made from a set screw) can be used. The serrations can be made square or with dowels and suitable holes. Such holes have to be made large enough to ensure that the dowel is not restricted on engagement (lever swivel radius).

Smallest available angle for special serrations:
11° for size 54
9° for size 60
Smaller angles can be acheived with suitable serrations and dowels.