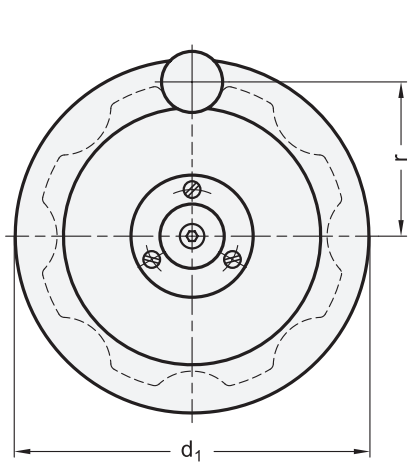
Solid Disk Safety Clutch Handwheels

Aluminum, with Fixed Bearing Flange



Metric

3 Type

A Without handle
D With revolving handle

4 Coding

1 With bearing bushing
2 With centering ring

Metric table

Dimensions in: millimeters / inches

1 d_1	2 d_2 H7 Bore with keyway				b	l_1	l_2	r	Ø Handle
160 6.30	K 14	K 16	K 18	K 20	18 0.71	66 2.60	82.5 3.25	71 2.80	26 1.02
200 7.87	K 14	K 16	K 18	K 20	20.5 0.81	68 2.68	82.5 3.25	89 3.50	26 1.02

Specification

Body
Aluminum
- Hub machined
- Rim
  - Turned on all sides
  - Highly polished finish

Coupling attachments
Steel
- Nitrided
- Bearing surface ground resp. PTFE coated
- Bearing flange blackened finish

Revolving handle GN 598
Plastic, Phenolic resin (PF)
- Black, shiny finish
- Spindle
  Steel, zinc plated, blue passivated finish

RoHS

Safety clutch handwheels GN 327 feature the ultimate in health and safety at work standards because the handwheel, if disengaged, is mounted on a fixed component, the bearing flange. The wheel is fully disengaged from the rotating shaft.
The bearing flange can also accept the bearing of the shaft via the bearing bushing (code no. 1). This bearing bushing is a dry bearing (DU bushing). Normally, the shaft has a separate bearing and the bearing bushing serves to center the bearing flange.
Centering can also be effected by a centering ring (code no. 2) if the appropriate bore hole has been made at the machine side. In this case there is no need for the bearing bushings and no bearing friction (heating) will occur.

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Keyways P9 DIN 6885-2	QVX
ISO Fundamental Tolerances	QVX
Plastic Characteristics	QVX

Accessory

GN 184 Countersunk Washers (for Axial Fixing) QVX

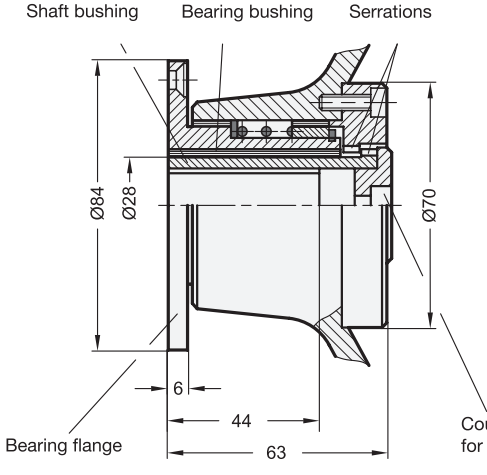
How to order

1 2 3 4
GN 327-160-K14-A-1

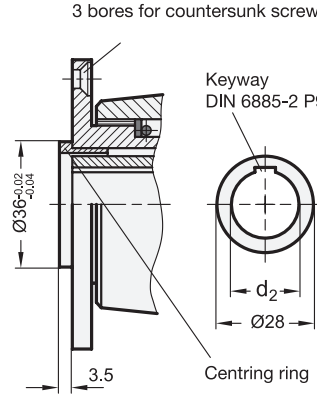
1	Handwheel diameter d_1
2	Bore with keyway d_2
3	Type
4	Identification No.

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

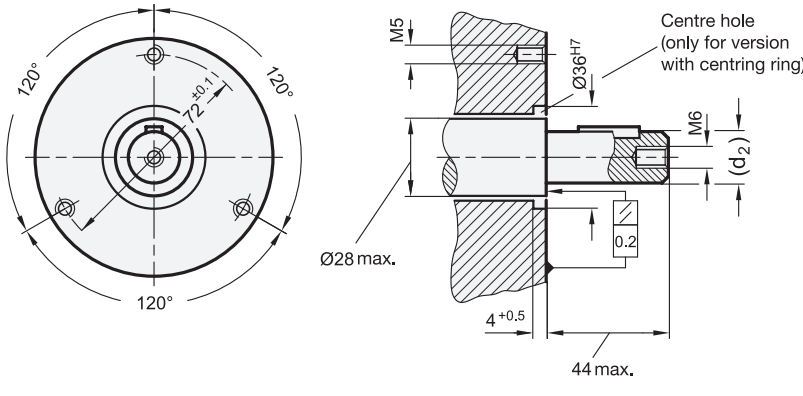
with bearing bushing: Identification no. **1**



with centring ring: Identification no. **2**



Specification of shaft and dimensions



Assembly instructions

Shaft bushing and countersunk washer are delivered in two separate components. Before assembly, make sure that the shaft bushing can be pushed smoothly and free-moving over the shaft.

Proper function is guaranteed only if:
- shaft bushing and bearing surface are level with each other
- the shaft axis lies at a right angle to the bearing surface on the machine side

Design with bearing bushing (identification no. 1)
Push the handwheel and the shaft bushing at the same time over the shaft, bolt down the bearing flange, and fix the shaft bushing axially with the countersunk washer.

Design with centring ring (identification no. 2)
The handwheel can be bolted at once through the centring ring above the bearing flange. Then push the shaft bushing onto the shaft and fix it axially with the countersunk washer.

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