

MAIN EXPORT COUNTRIES:



The company under the name JSC "Precizika Metrology" began work after the change of name of the Lithuanian American joint venture Brown & Sharpe - Precizika. The company has a proud history of old tradition in the leadership of design and production of metrological equipment. Its workforce has been involved for over fifty years in the supply of measuring technology and systems to automate factories as well as in the development of optical scale manufacturing technology.

In 2000 the production process was certified to meet the requirements of EN ISO 9001:2000 – EN ISO 9001:2000.

The company's goals to consistently supply high quality products and services to meet customer demand on a timely basis. The company's main products are linear and angular glass scales and the linear and rotary displacement measuring systems.

JSC "Precizika Metrology" represents worldwide known companies and suppliers of measuring equipment. CNC centers execute installation and services of the trains the user and executes upgrading of used CMM and manual cutting machine-tools.

AP58

PROGRAMMABLE PHOTOELECTRIC
INCREMENTAL ROTARY ENCODER



The programmable photoelectric incremental rotary encoder AP58 is used to establish an informational link between the key machine components, industrial robots, comparators and NC or DRO units.

The encoder is used in automatic control, on-line gauging, process monitoring systems, etc.

The AP58 programmable incremental encoder can be programmed to set desired pulse number per revolution from 1 to 65536. This function makes it an universal incremental encoder that perfectly suits specific needs in many applications and machines.

The programming tool consists of a USB cable and Windows compatible software.

The program is supplied for free and can be found on Precizika Metrology web-site and installed in any PC fitted with a Windows operating system (Windows XP or later).



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A58

A58M, A58B,
A58C, A58C2,
A58C3, A58D

RECOMMENDED APPLICATIONS



ROBOTICS



ELEVATORS



CRANES



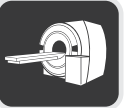
SOLAR SYSTEMS



WIND SYSTEMS



PACKAGING



MEDICAL EQUIPMENT



RETROFITTING



SERVO MOTORS



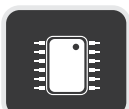
FACTORY AUTOMATION



MILLING / BORING /
DRILLING CNC MACHINES



CNC CUTTING
MACHINES



ELECTRONIC INDUSTRY



AUTOMOTIVE INDUSTRY



MAINTENANCE

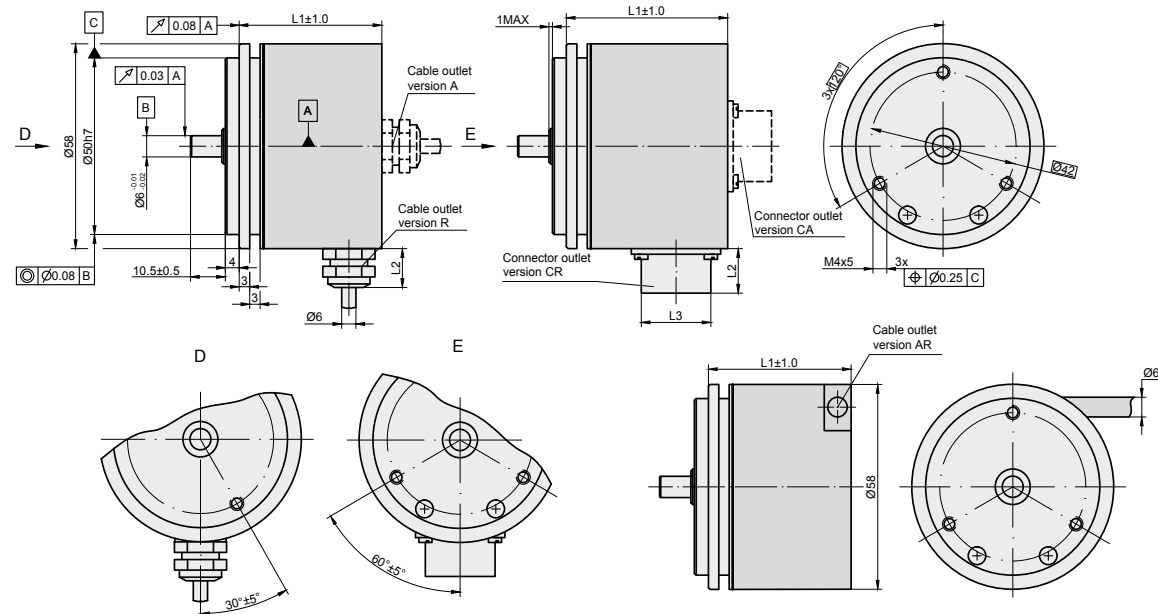
MECHANICAL DATA

Line number on disc (z)	100; 250; 500; 600; 800; 1000; 1024; 1125; 1250; 1500; 2000; 2048; 2500; 3000; 3600; 4000; 5000; 9000; 10800
Pulse number per shaft revolution for A58-F	Z x k, where k=1,2,3,4,5,8,10
Maximum shaft speed	12000 rpm

Maximum shaft load:
- axial 10 N
- radial (at shaft end) 20 N

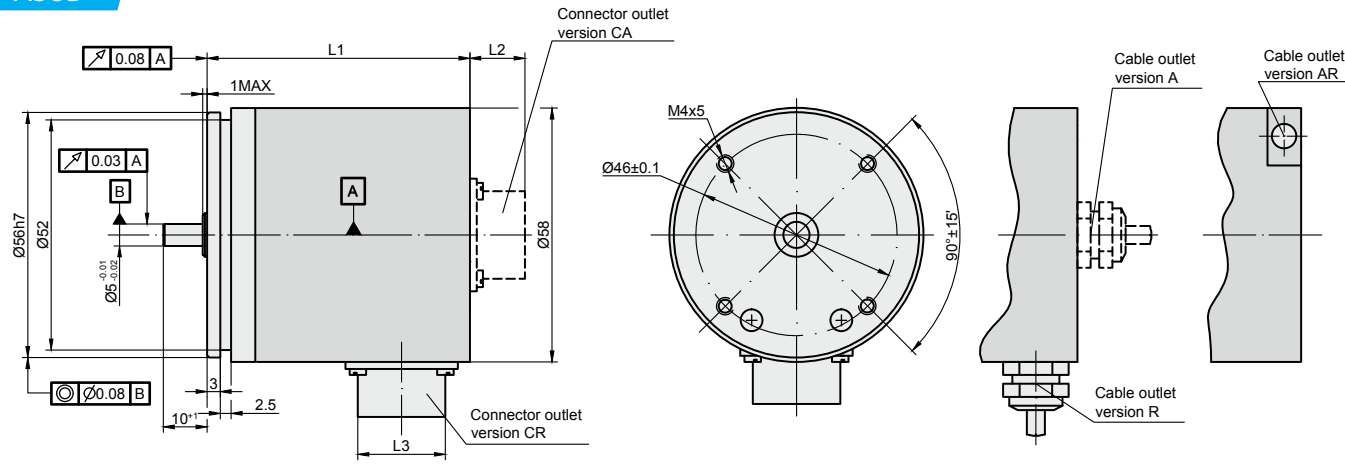
Accuracy (T_1 -period of lines on disc in arc. sec)	$\pm 0.1T_1$ arc. sec
Starting torque at 20 °C	≤ 0.01 Nm
Rotor moment of inertia	< 15 gcm ²
Protection (IEC 529)	IP64
Maximum weight without cable	0.25 kg
Operating temperature	-10...+70 °C
Storage temperature	-30...+80 °C
Maximum humidity (non-condensing)	98 %
Permissible vibration (55 to 2000 Hz)	≤ 100 m/s ²
Permissible shock (11 ms)	≤ 1000 m/s ²

A58M



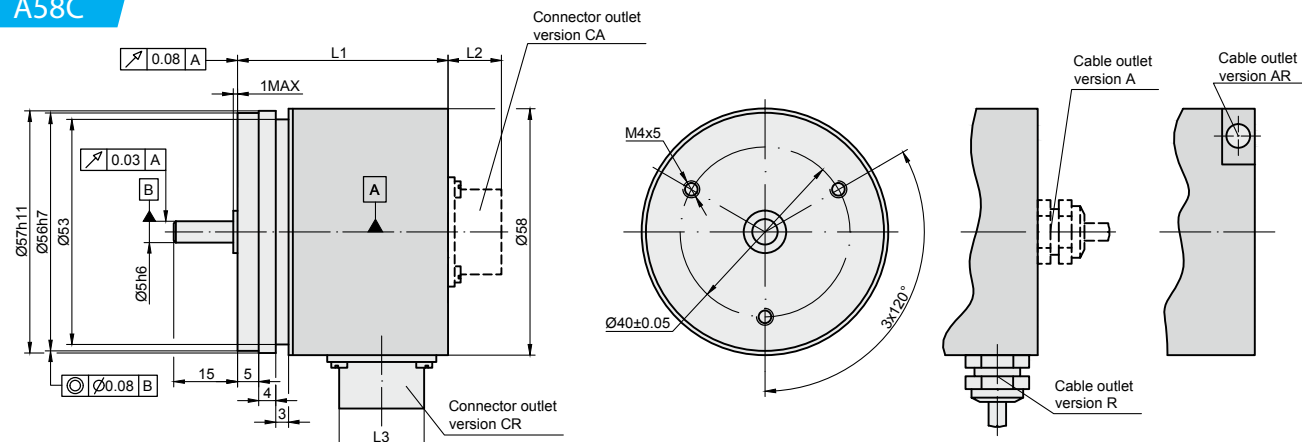
Connector type / cable outlet	ONC axial	RS 10 axial	C12, C9 axial	ONC radial	RS 10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	41 mm	41 mm	41 mm	54 mm	53 mm	53 mm	41 mm	41 mm	43 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-

A58B



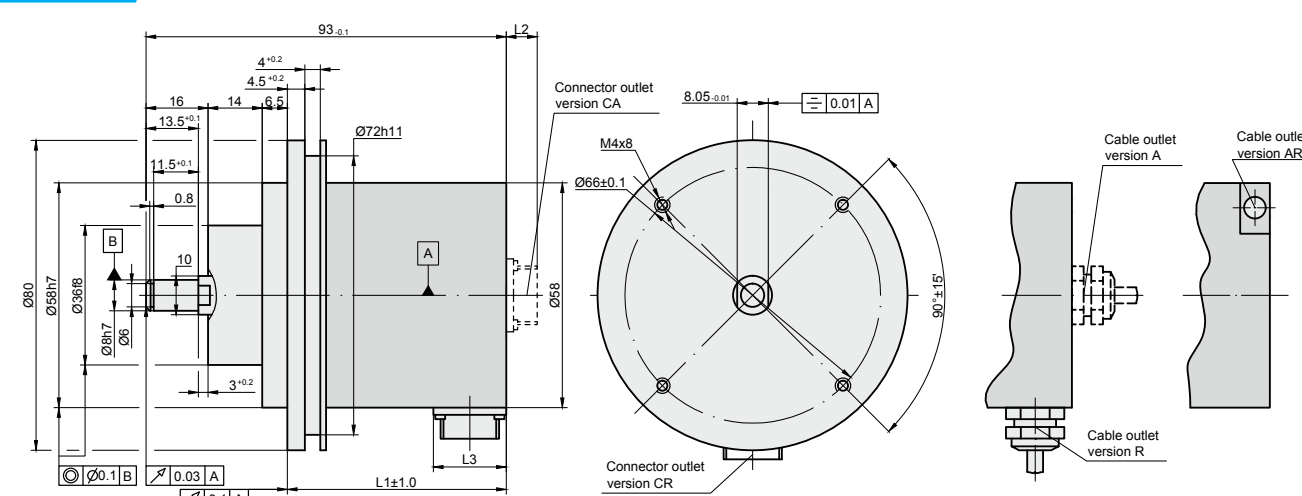
Connector type / cable outlet	ONC axial	RS 10 axial	C12, C9 axial	ONC radial	RS 10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	44.5 mm	44.5 mm	44.5 mm	57.5 mm	56.5 mm	56.5 mm	44.5 mm	44.5 mm	46.6 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-

A58C



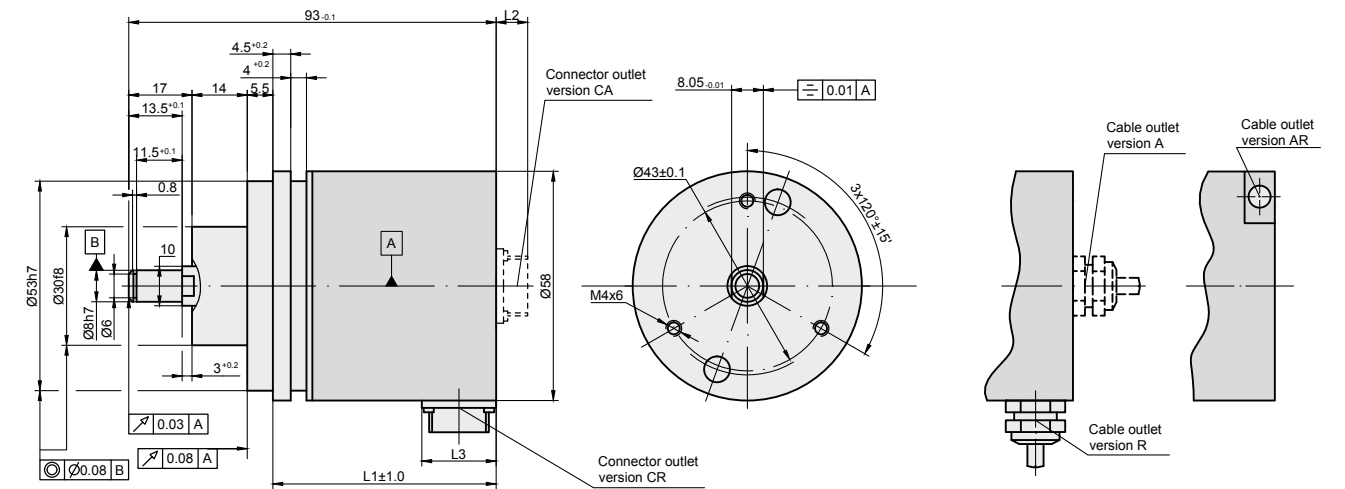
Connector type / cable outlet	ONC axial	RS 10 axial	C12, C9 axial	ONC radial	RS 10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	47 mm	47 mm	47 mm	60 mm	59 mm	59 mm	47 mm	47 mm	49 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-

A58C2



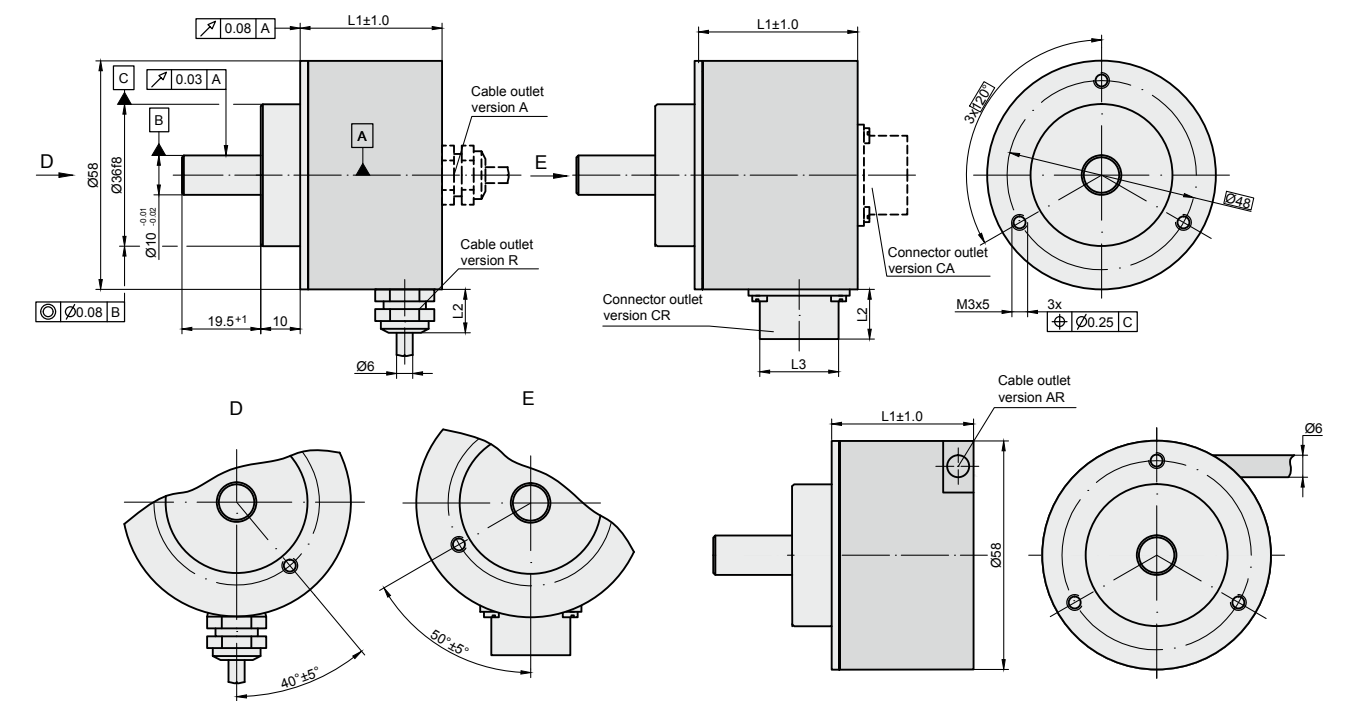
Connector type / cable outlet	ONC axial	RS 10 axial	C12, C9 axial	ONC radial	RS 10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	44.5 mm	44.5 mm	44.5 mm	-	56.5 mm	56.5 mm	44.5 mm	44.5 mm	46.5 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-

A58C3



Connector type / cable outlet	ONC axial	RS 10 axial	C12, C9 axial	ONC radial	RS 10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	50 mm	50 mm	50 mm	-	62 mm	62 mm	50 mm	50 mm	52 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-

A58D



Connector type / cable outlet	ONC axial	RS 10 axial	C12, C9 axial	ONC radial	RS 10 radial	C12, C9 radial	Cable axial (ver. A)	Cable radial (ver. R)	Cable axial-radial (ver. A R)
L1	37.5 mm	37.5 mm	37.5 mm	-	49.5 mm	49.5 mm	37.5 mm	37.5 mm	39.5 mm
L2	16 mm	9 mm	22 mm	16 mm	9 mm	22 mm	12 mm	12 mm	-
L3	M24	M14	M23	M24	M14	M23	-	-	-