

Surface treatment codes

Example of a hexagon screw M8x30 DIN 933 8.8 with galvanic zincplating surface treatment, layer thickness 5 µm and yellow chromated.

According to ISO 4042: M6S DIN 933 M8x30-8.8 - **A2 L**.

According to SS 3191: M6S DIN 933 M8x30-8.8 - **Fe/Zn 5 c2**.

M6S DIN 933 M8x30-8.8 - A 2 L

Table 57

Code	Coating metal
A	Zinc (Zn)
AM	Mechanical zincplating
AI	Sandbond-Z
B	Cadmium (Cd)
C	Copper (Cu)
D	Brass (CuZn)
E	Nickel (Ni)
ED	Duplex nickelplating
EN	Nedox
EI	Chemical nickelplating
E2	Teflite (PTFE/NiP)
E3	Nilite
E4	Ferlite
F	Nickel-Chrome (NiCr)
G	Copper-Nickel (CuNi)
H	Copper-Nickel-Chrome (CuNiCr)
J	Tin (Sn)
JE	Nickel-Tin (NiSn)
JI	Chemical tin
K	Copper-Tin (CuSn)
L	Silver (Ag)
N	Copper-Silver (CuAg)
P	Zinc-Nickel (ZnNi)
R	Zinc-Iron (ZnFe)
0	Untreated
IA	Delta-Seal
IB	Delta-Protect
IC	Delta P+S
	(Delta-Protect + Delta-Seal)
2A	Iron phosphatising
2B	Manganese phosphatising
2C	Zinc phosphatising
3	Oxidation
3A	Antique appearance
4	MW 4-20
4A	Geomet 32I
4B	Geomet 500
4C	Delta Zinc/Zincotech
5	Lacquering
6A	Hot dip galvanizing TZN 45
6B	Hot dip galvanizing TZN 65
6C	Hot dip galvanizing TZN 25
6E	Hot dip galvanizing TZN 55
7	Anodizing
8	Anodizing
8T	Tufram
8Y	Ytox
9	Gold coating
10	Ferrobblack
11	Chrome (Cr)
12	Hard chrome (Cr)
13	Nikrolite

Code	Layer thickness
1	3 µm
2	5 µm / 2+3 µm
3	8 µm / 3+5 µm
4	12 µm / 4+8 µm
5	15 µm / 5+10 µm
6	20 µm / 8+12 µm
7	25 µm / 10+15 µm
8	30 µm / 12+18 µm
9	10 µm / 4+6 µm
20	8 µm

Code	Brightness/Chromating/Colour
A	Bright, dull
B	Blue, dull
C	Yellow, dull
D	Green, dull
E	Bright, semi-bright
F	Blue, semi-bright
G	Yellow, semi-bright
H	Green, semi-bright
J	Bright, bright
K	Blue, bright
L	Yellow, bright
M	Green, bright
N	Bright, high-bright
P	Blue, yellow or green with optional brightness
R	Brown-black-black, dull
S	Brown-black-black, semi-bright
T	Brown-black-black, bright
0	Copper bright
1A	Silver (lacquer)
2A	White (lacquer)
3A	Red (lacquer)
4A	Grey (lacquer)
5A	Black (lacquer)
6A	Brown (lacquer)
7A	Blue (lacquer)
8A	Natural (lacquer)
9A	Yellow (lacquer)
MA	Green (lacquer)

Code	Treatments
A	Oiling
B	Pickling
BL	Blasting
GR	Thread cleaning
H	Hanging parts
PO	Polishing
V	Hydrogen embrittlement
VH	Hydrogen embrittlement + hanging parts

Code	Treatments
A	Aquares
AI	Post-sealing
B	Bota locking
C	Corrosil (black)
DC	Delta-Coll, transparent
DS	Delta-Coll, black
D1	Drilloc 201
D2	Driseal
D3	Drilloc 218 (green)
D5	Driseal 516
E	Eslok
G	Glide lacquer
G1	Gleitmo 603 (standard)
G2	Gleitmo 605
G3	Gleitmo 610
G4	Gleitmo 925
G5	Gleitmo 627
NI	Nyseal
N2	Nytemp
NP	Nycote P (painting)
NU	Nycote U (universal)
NW	Nycote W (welding)
PI	Precote 5
P2	Precote 30
P3	Precote 80
P4	Precote 85
PT	Teflon (PTFE)
T1	Tuflok 1 (soft)
T2	Tuflok 2 (standard)
T3	Tuflok 3 (hard)

Code	Treatments
I	Induction-hardening
K2	Carbonitriding DC=0,2
KS	Carbonitriding DC=0,5
N	Nitro carburettling
S	Sorting/Zero defect, 0-defect
SE	Tough-hardening
SÄ	Case-hardening

Dimension	Layer thickness
- M8	5
M10 - M16	8
M18 - M22	10
M24 - M33	12
M36 - M60	15
M64 -	20

= Standard ISO 4042.