

| Issuer | Standard | Code | Metal | Thickness in µm | Passivation | Sealing | DIN 19598 = Kotsch designation | Comments |
|-------------------------------|-------------------------|---------------------|------------------|-----------------|------------------------|----------------------------|--------------------------------|-----------------------------|
| BMW | GS 90010 | A5 | Zinc | >5 | Not passivated | Not sealed | Fe//Zn5 | Cr(VI)-free; RoHS-compliant |
| | GS 90010 | CUG | Copper | >12 | | | Fe/Cu12 | Cr(VI)-free; RoHS-compliant |
| | GS 90010 | SN | Tin | >8 | | | Fe/Sn8 | Free of conflict minerals |
| | GS 90010 | ZNFE SI | Zinc-iron | >5 | Thick-layer passivated | Sealed | Fe//ZnFe5/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | GS 90010 | ZNFE SW | Zinc-iron | >5 | Black passivated | Sealed | Fe//ZnFe5/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | GS 90010 | ZNNI SI | Zinc-nickel | >6 | Transparent passivated | Not sealed | Fe//ZnNi6/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | GS 90010 | ZNNIV SI | Zinc-nickel | >6 | Transparent passivated | Sealed | Fe//ZnNi6/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | GS 90010 | ZNT | Zinc | >5 | Thick-layer passivated | Not sealed | Fe//Zn5//Cn//T0 | Cr(VI)-free; RoHS-compliant |
| Bosch | N67F CM-ZN-2 | 5 001 100 002 | Zinc | >5 | Transparent passivated | Not sealed | Fe//Zn5//An//T0 | Cr(VI)-free; RoHS-compliant |
| | N67F CM-ZN-3 | 5 001 110 002 | Zinc-nickel | 05.10.22 | Transparent passivated | Not sealed | Fe//ZnNi5-10/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | N67F 821 02 | | Zinc | >5 | Transparent passivated | Not sealed | Fe//Zn5//An//T0 | Cr(VI)-free; RoHS-compliant |
| | N67F 826 45 | | Zinc-nickel | | Transparent passivated | Not sealed | Fe//ZnNi8-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| Brose | BN 590295-107 | | Zinc-iron | 01.08.20 | Thick-layer passivated | Sealed | Fe//ZnFe8-20/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| Caterpillar Inc. | 1E0397 | Fe//Zn5-12/Cn//T2 | Zinc | 05.12.22 | Thick-layer passivated | Sealed | Fe//Zn5-12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| Cohline | COH-TL 267 | Zn10p | Zinc | 10.12.22 | Thick-layer passivated | Not sealed | Fe//Zn10-12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| Continental | ATE N 106 61 00 OFL1325 | ZnNi8f vs | Zinc-nickel | 01.08.15 | Passivated | Sealed | Fe//ZnNi8-15/Cn//T2 | Cr(VI)-free |
| | PP 152 | Fe//ZnNi8-15/Cn//T0 | Zinc-nickel | 01.08.15 | Transparent passivated | Not sealed | Fe//ZnNi8-15//Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | PP 152 | Fe//ZnNi8-15/Cn//T2 | Zinc-nickel | 01.08.15 | Transparent passivated | Sealed | Fe//ZnNi8-15//Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | PP 212 | Fe//Zn8/Cn//T0/T4 | Zinc | 01.08.25 | Thick-layer passivated | Not sealed | Fe//Zn8/Cn//T0/T4 | Cr(VI)-free; RoHS-compliant |
| | PP 212 | Fe//Zn8-15//Cn//T2 | Zinc | 01.08.25 | Thick-layer passivated | Sealed | Fe//Zn8-15//Cn//T2 | Cr(VI)-free; RoHS-compliant |
| Mercedes-Benz (Daimler AG) | DBL 8451 | DBL 8451.12 | Zinc | 01.08.15 | Blue passivated | Not sealed | Fe//Zn8-15/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.13 | Zinc-iron | 01.08.15 | Black passivated | Sealed | Fe//ZnFe8-15/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.15 | Zinc | 01.08.15 | Transparent passivated | Sealed | Fe//Zn8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.16 | Zinc | 01.08.15 | Transparent passivated | Not sealed | Fe//Zn8-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.22 | Zinc | 01.08.15 | Blue passivated | Not sealed | Fe//Zn8-15/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.62 | Zinc-nickel | 01.08.15 | Transparent passivated | Not sealed | Fe//ZnNi8-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.65 | Zinc-nickel | 01.08.15 | Transparent passivated | Sealed (without lubricant) | Fe//ZnNi8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.66 | Zinc-nickel | 01.08.15 | Transparent passivated | Sealed | Fe//ZnNi8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.69 | Zinc-nickel+ CDC | 01.08.15 | Black CDC top layer | | Fe//ZnNi8-15/An//T7 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.72 | Zinc-nickel | 01.08.15 | Transparent passivated | Not sealed | Fe//ZnNi8-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.76 | Zinc-nickel | 01.08.15 | Transparent passivated | Sealed | Fe//ZnNi8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.79 | Zinc-nickel+ CDC | 01.08.15 | Black CDC top layer | | Fe//ZnNi8-15/An//T7 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.86 | Zinc-iron | 01.08.15 | Transparent passivated | Sealed | Fe//ZnFe8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DBL 8451 | DBL 8451.96 | Zinc-iron | 01.08.15 | Transparent passivated | Not sealed | Fe//ZnFe8-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DBL 7381 | .20 | CDC | | | | | |
| Deutz | FV 0160 0068 | | Zinc | 01.12.18 | Thick-layer passivated | Not sealed | Fe//Zn12-18/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| Fiat | 9.57409 719 | | Zinc-nickel | 01.07.14 | Iridescent passivated | Sealed | Fe//ZnNi7-14/Cn//T2 | Cr(VI)-free; RoHS-compliant |

| | | | | | | | | |
|---------------------------|----------------------|---------------------|-------------|----------|------------------------|------------------|-----------------------------|-----------------------------|
| Fiat Chrysler Automobiles | PS.50036 C8 Plain | | Zinc | >8 | Not passivated | Not sealed | Fe//Zn8 | Cr(VI)-free; RoHS-compliant |
| Ford | WSF-M1P89-A1 | | Zinc-iron | >5 | Black passivated | Sealed | Fe//ZnFe8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | WSF-M1P89-A2 | | Zinc-iron | >8 | Black passivated | Sealed | Fe//ZnFe8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | WSS-M21 P44-A1 | | Zinc-nickel | 06.12.22 | Transparent passivated | Not sealed | Fe//ZnNi6-12/A | Cr(VI)-free; RoHS-compliant |
| Hitachi | GD 211632 | GD 211632 | Zinc | 01.08.13 | Thick-layer passivated | Not sealed | Fe//Zn8-13/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| Hydac | | Hydac 01200550 | Tin | 06.12.22 | | 0 | Fe/Sn6-12 | Free of conflict minerals |
| | | Hydac 01200550c | Tin | 02.06.22 | | 0 | Fe/Sn2-6 | Free of conflict minerals |
| Jaguar Land Rover Limited | STJLR.50.5058 | Fe//ZnNi7-11/Cn//T2 | Zinc-nickel | 07.11.22 | Transparent passivated | Sealed | Fe//ZnNi7-11/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | STJLR.50.5058 | Fe//ZnNi7-11/Cn//T2 | Zinc-nickel | 07.11.22 | Transparent passivated | Sealed, annealed | Fe//ZnNi7-11/An/HR(210)6/T2 | Cr(VI)-free; RoHS-compliant |
| Jungheinrich | JHS 9950892 - K2 ZNS | Fe//Zn5/Cn//T0 | Zinc | >5 | Thick-layer passivated | Not sealed | Fe//Zn5/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| Liebherr | LN 252-7 | Fe//ZnNi8-12/Cn//T2 | Zinc-nickel | 08.12.22 | Iridescent passivated | Sealed | Fe//ZnNi8-12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | TLV 12250 | Fe//ZnFe12/Cn//T2 | Zinc-iron | >12 | Thick-layer passivated | Sealed | Fe//ZnFe12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| Mahle | Mahle HI 81 | Tin | Tin | 05.09.22 | | | Fe/Sn5-9 | Free of conflict minerals |
| | Mahle HI 85 | Zinc | Zinc | 08.12.22 | Thick-layer passivated | Not sealed | Fe//Zn8-12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | WNA 2130 | S7 | Zinc-nickel | >6 | Transparent passivated | Sealed | Fe//ZnNi6/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | Mahle HI 119 | Zinc-nickel | Zinc-nickel | 06.12.22 | Transparent passivated | Sealed | Fe//ZnNi6-12/An//T2 | Cr(VI)-free; RoHS-compliant |
| MAN | MAN 183-3 | B1 | Zinc-nickel | 01.08.15 | Transparent passivated | Sealed | Fe//ZnNi8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | MAN 183-3 | B11 | Zinc-nickel | 01.08.15 | Transparent passivated | Not sealed | Fe//ZnNi8-15//Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | MAN 183-3 | B12 | Zinc-nickel | 01.08.15 | Transparent passivated | Sealed | Fe//ZnNi8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | MAN 183-3 | B13 | Zinc | >8 | Thick-layer passivated | Not sealed | Fe//Zn8/Cn//T0 | |
| | MAN 183-3 | B4 | Zinc-iron | 01.08.15 | Black passivated | Sealed | Fe//ZnFe8-15/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | MAN M 3536 | S | Zinc-nickel | 01.08.15 | Transparent passivated | Not sealed | Fe//ZnNi8-15//Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | MAN M 3536 | SV | Zinc-nickel | 01.08.15 | Transparent passivated | Sealed | Fe//ZnNi8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| Parker | HS-F22 | | Zinc-nickel | 01.08.15 | Transparent passivated | Sealed | Fe//ZnNi8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | FC-F01 Rev. A | | Zinc | 08.12.22 | Thick-layer passivated | Sealed | Fe//Zn8-12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| Porsche | PN 11011 | 36d0 | Zinc-iron | 01.08.25 | Black passivated | Sealed | Fe//ZnFe8-25/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | PN 11011 | c310 | Zinc | 01.08.25 | Not passivated | Not sealed | Fe//Zn8-25 | Cr(VI)-free; RoHS-compliant |
| | PN 11011 | c340 | Zinc | 01.08.25 | Blue passivated | Not sealed | Fe//Zn8-25/An//T0 | Cr(VI)-free; RoHS-compliant |
| | PN 11011 | c343 | Zinc | 01.08.25 | Thick-layer passivated | Sealed | Fe//Zn8-25/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | PN 11011 | r642 | Zinc-nickel | 01.08.25 | Transparent passivated | Not sealed | Fe//ZnNi8-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| RITTAL | INT-AA-TL-037-DE | Service condition 2 | Zinc | >8 | Thick-layer passivated | Not sealed | Fe//Zn8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| Schaeffler KG | S133305-1 | Service condition 2 | Zinc-nickel | 01.05.17 | Transparent passivated | Not sealed | Fe//ZnNi5-17/An//T0 | Cr(VI)-free; RoHS-compliant |
| Tesla | TM-009F-M | Grade 01 | Zinc | 01.08.25 | Transparent passivated | Not sealed | Fe//Zn8-25/An//T0 | Cr(VI)-free; RoHS-compliant |
| | TM-009F-M | Grade 02 | Zinc | 01.08.25 | Thick-layer passivated | Not sealed | Fe//Zn8-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | TM-009F-M | Grade 03 | Zinc | 01.08.25 | Thick-layer passivated | Sealed | Fe//Zn8-25/An//T2 | Cr(VI)-free; RoHS-compliant |
| | TM-009F-M | Grade 10 | Zinc-nickel | 01.08.25 | Transparent passivated | Sealed | Fe//ZnNi8-25/An//T2 | Cr(VI)-free; RoHS-compliant |
| | TM-009F-M | Grade 11 | Zinc-nickel | 01.08.25 | Transparent passivated | Sealed | Fe//ZnNi8-25/An//T2 | Cr(VI)-free; RoHS-compliant |
| | TM-009F-M | Grade 12 | Zinc-nickel | 01.08.25 | Transparent passivated | Not sealed | Fe//ZnNi8-25/An//T0 | Cr(VI)-free; RoHS-compliant |
| | TM-009F-M | Grade 13 | Zinc-nickel | >5 | Transparent passivated | Not sealed | Fe//ZnNi5/An//T0 | Cr(VI)-free; RoHS-compliant |

| | | | | | | | | |
|-----------------------|--------------------|----------------------|-------------------|----------|--------------------------|--------------|----------------------|-----------------------------|
| | TM-009F-M | Grade 14 | Zinc-nickel | 01.08.25 | Transparent passivated | Sealed | Fe//ZnNi8-25/An//T2 | Cr(VI)-free; RoHS-compliant |
| | TM-009F-M | Grade 20 | Zinc-iron | 01.08.25 | Thick-layer passivated | Not sealed | Fe//ZnFe8-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| ThyssenKrupp Bilstein | WNB 879-D | Fe//ZnNi10-15/An//T0 | Zinc-nickel | 01.10.15 | Transparent passivated | Not sealed | Fe//ZnNi10-15/An//T0 | Cr(VI)-free; RoHS-compliant |
| Uponor | WN07-02a-0104 | CuZn/Cu2-6/Sn2-6 | Copper + tin | 2-6/3-6 | | Not sealed | CuZn/Cu2-6/Sn2-6 | Free of conflict minerals |
| | WN07-02a-0104 | CuZn/Cu2-6/Sn3-7 | Copper + tin | 2-6/3-7 | | Not sealed | CuZn/Cu2-6/Sn3-7 | Free of conflict minerals |
| VDA | VDA 233-101 | ZnFe-p SI | Zinc-iron | 01.08.15 | Transparent passivated | Not sealed | Fe//ZnFe8-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | VDA 233-101 | ZnFe-p-v SI | Zinc-iron | 01.08.15 | Transparent passivated | Sealed | Fe//ZnFe8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | VDA 233-101 | ZnNi-p SI | Zinc-nickel | 01.08.15 | Transparent passivated | Not sealed | Fe//ZnNi8-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | VDA 233-101 | ZnNi-p-v SI | Zinc-nickel | 01.08.15 | Transparent passivated | Sealed | Fe//ZnNi8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | VDA 233-101 | Zn-p-v SI | Zinc | 01.08.15 | Transparent passivated | Sealed | Fe//Zn8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | VDA 235-104 | .20 | Zinc | >8 | Transparent passivated | Not sealed | Fe//ZnNi8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | VDA 235-104 | .25 | Zinc-nickel | >8 | Transparent passivated | Not sealed | Fe//ZnNi8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | VDA 235-104 | .30 | Zinc-iron | >8 | Black passivated | Sealed | Fe//ZnFe8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| Volvo | STD 5732.104 | Fe//Zn-Fe 12 C4 | Zinc-iron | >12 | Black passivated | Sealed | Fe//ZnFe12/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | STD 5732.104 | Fe//Zn-Fe 8 C4 | Zinc-iron | >8 | Black passivated | Sealed | Fe//ZnFe12/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | STD 5732.105 | Fe//Zn 8 C3 | Zinc | >8 | Thick-layer passivated | Not sealed | Fe//Zn8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | STD 5732.105 | Fe//Zn 8 C4 | Zinc | >8 | Black passivated | Sealed | Fe//Zn8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| Voss | Voss-WN 3006-1 | Fe//ZnNi6/An//T2 | Zinc-nickel | >6 | Transparent passivated | Sealed | Fe//ZnNi6/An//T2 | Cr(VI)-free; RoHS-compliant |
| VW | VW 13750 | g100 | Tin | >6 | | | Fe/Sn6 or Cu/Sn6 | Free of conflict minerals |
| | VW 13750 | g300 | Tin | >12 | | | Fe/Sn12 or Cu/Sn12 | Free of conflict minerals |
| | VW 13750 | g600 | Tin | >20 | | 0 Not sealed | Fe/Sn20 or Cu/Sn20 | Free of conflict minerals |
| | VW 13750 k110+g100 | CuZn/Cu3-6/Sn8-15 | Copper + tin | 3-6/8-15 | | | CuZn/Cu3-6/Sn8-15 | Free of conflict minerals |
| | VW 13750 TL 153 | r301 | Zinc-iron | 01.08.25 | Thick-layer passivated | Sealed | Fe//ZnFe8-25/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 153 | r302 | Zinc-iron | 01.08.25 | Black passivated | Sealed | Fe//ZnFe8-25/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 194 | c696 | Zinc | 01.12.20 | Thick-layer passivated | Sealed | Fe//Zn12-20/A//T2 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 194 | c696 | Zinc | 15-35 | Thick-layer passivated | Sealed | Fe//Zn15-35/A//T2 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 196 | s611 | Zinc + CDC | | c310 + black CDC coating | | Fe//Zn8-25//T7 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 196 | s621 | Zinc-nickel + CDC | | r642 + black CDC coating | | Fe//Zn8-25//T7 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 217 | c310 | Zinc | 01.08.25 | Not passivated | Not sealed | Fe//Zn8-25 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 217 | c340 | Zinc | 01.08.25 | Blue passivated | Not sealed | Fe//Zn8-25/An//T0 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 217 | c341 | Zinc | 01.08.25 | Blue passivated | Sealed | Fe//Zn8-25/An//T2 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 217 | c342 | Zinc | 01.08.25 | Thick-layer passivated | Not sealed | Fe//Zn8-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 217 | c343 | Zinc | 01.08.25 | Thick-layer passivated | Sealed | Fe//Zn8-25/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 217 | c610 | Zinc | 15-23 | Not passivated | Not sealed | Fe//Zn15-23 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 217 | c640 | Zinc | 15-23 | Blue passivated | Not sealed | Fe//Zn15-23/B | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 217 | c641 | Zinc | 15-23 | Blue passivated | Sealed | Fe//Zn15-23/B//T2 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 217 | c642 | Zinc | 15-23 | Thick-layer passivated | Not sealed | Fe//Zn15-23/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 217 | c643 | Zinc | 15-23 | Thick-layer passivated | Sealed | Fe//Zn15-23/A//T2 | Cr(VI)-free; RoHS-compliant |

| | | | | | | | | |
|--------------|----------------------------------|-------------------------------|-------------|----------|---|---------------------------------|---------------------|-----------------------------|
| | VW 13750 TL 227 | x632 | Zinc + CDC | | Black CDC coating | | Fe//Zn8-25//T7 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 244 | r642 | Zinc-nickel | 01.08.25 | Transparent passivated | Not sealed | Fe//ZnNi8-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 244 | r643 | Zinc-nickel | 01.08.25 | Transparent passivated | Sealed | Fe//ZnNi8-25/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | VW 13750 TL 244 | r673 | Zinc-nickel | 01.08.25 | Black passivated | Sealed | Fe//ZnNi8-25/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| ZF | ZFB 726 | | Zinc | >8 | Thick-layer passivated | Not sealed | Fe//Zn8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | ZFB 842 | | Zinc-iron | >8 | Black passivated | Sealed | Fe//ZnFe8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | LMN 50-2 | GAL ZNFE + PASS TR + NV 12/T4 | Zinc-iron | >12 | Thick-layer passivated | Sealed | Fe//ZnFe12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | LMN 50-2 | GAL ZNNI + PASS TR + NV 10/T | Zinc-nickel | >10 | Transparent passivated | Sealed | Fe//ZnNi10/An//T2 | Cr(VI)-free; RoHS-compliant |
| DIN (EN ISO) | DIN 19598 (previously DIN 50979) | Fe//Zn10/An//T0 | Zinc | >10 | Blue passivated | Not sealed | Fe//Zn10/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn10/An//T2 | Zinc | >10 | Blue passivated | Sealed | Fe//Zn10/An//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn10/Cn//T0 | Zinc | >10 | Thick-layer passivated | Not sealed | Fe//Zn10/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn10/Cn//T2 | Zinc | >10 | Thick-layer passivated | Sealed | Fe//Zn10/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn10-12/An//T0 | Zinc | 10.12.22 | Blue passivated | Not sealed | Fe//Zn10-12/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn10-12/Cn//T0 | Zinc | 10.12.22 | Thick-layer passivated | Not sealed | Fe//Zn10-12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn10-12/Cn//T2 | Zinc | 10.12.22 | Thick-layer passivated | Sealed | Fe//Zn10-12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn10-15/An//T0 | Zinc | 01.10.15 | Blue passivated | Not sealed | Fe//Zn10-15/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn10-15/Cn//T0 | Zinc | 01.10.15 | Thick-layer passivated | Not sealed | Fe//Zn10-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn10-16/Cn//T2 | Zinc | 01.10.16 | Thick-layer passivated | Sealed | Fe//Zn10-16/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn10-20/An//T0 | Zinc | 01.10.20 | Blue passivated | Not sealed | Fe//Zn10-20/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12/An//T0 | Zinc | >12 | Blue passivated | Not sealed | Fe//Zn12/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12/An//T0/T4 | Zinc | >12 | Blue passivated, inner surface preserved | Not sealed, inner surface oiled | Fe//Zn12/An//T0/T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12/An//T2 | Zinc | >12 | Blue passivated | Sealed | Fe//Zn12/An//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12/Cn//T0 | Zinc | >12 | Thick-layer passivated | Not sealed | Fe//Zn12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12/Cn//T0/T4 | Zinc | >12 | Thick-layer passivated, inner surface preserved | Not sealed, inner surface oiled | Fe//Zn12/Cn//T0/T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12/Cn//T2 | Zinc | >12 | Thick-layer passivated | Sealed | Fe//Zn12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12/Cn//T2/T4 | Zinc | >12 | Thick-layer passivated, inner surface preserved, sealed | Sealed & inner surface oiled | Fe//Zn12/Cn//T2/T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12-15/An//T0 | Zinc | 01.12.15 | Blue passivated | Not sealed | Fe//Zn12-15/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12-16/Cn//T0 | Zinc | 01.12.16 | Thick-layer passivated | Not sealed | Fe//Zn12-16/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12-18/An//T0 | Zinc | 01.12.18 | Blue passivated | Not sealed | Fe//Zn12-18/An//T0 | Cr(VI)-free; RoHS-compliant |

| | | | | | | | | |
|--|----------------------------------|-----------------------|------|----------|---|-------------------|-----------------------|-----------------------------|
| | DIN 19598 (previously DIN 50979) | Fe//Zn12-18/Cn//T0 | Zinc | 01.12.18 | Thick-layer passivated | Not sealed | Fe//Zn12-18/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12-18/Cn//T2 | Zinc | 01.12.18 | Thick-layer passivated | Sealed | Fe//Zn12-18/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn12-25/An//T0 | Zinc | 01.12.25 | Blue passivated | Not sealed | Fe//Zn12-25/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn13/An//T0 | Zinc | >13 | Blue passivated | Not sealed | Fe//Zn13/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn15/An//T0 | Zinc | >15 | Blue passivated | Not sealed | Fe//Zn15/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn15/An//T2 | Zinc | >15 | Blue passivated | Sealed | Fe//Zn15/An//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn15/Cn//T0 | Zinc | >15 | Thick-layer passivated | Not sealed | Fe//Zn15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn15/Cn//T2 | Zinc | >15 | Thick-layer passivated | Sealed | Fe//Zn15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn15-20/An//T0 | Zinc | 15-20 | Blue passivated | Not sealed | Fe//Zn15-20/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn15-20/Cn//T2 | Zinc | 15-20 | Thick-layer passivated | Sealed | Fe//Zn15-20/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn15-25/An//T0 | Zinc | 15-25 | Blue passivated | Not sealed | Fe//Zn15-25/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn15-25/Cn//T0 | Zinc | 15-25 | Thick-layer passivated | Not sealed | Fe//Zn15-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn17/An//T0 | Zinc | >17 | Blue passivated | Not sealed | Fe//Zn17/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn18/An//T0 | Zinc | >18 | Blue passivated | Not sealed | Fe//Zn18/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn20/An//T0 | Zinc | >20 | Blue passivated | Not sealed | Fe//Zn20/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn20/Cn//T0 | Zinc | >20 | Thick-layer passivated | Not sealed | Fe//Zn20/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn20/Cn//T2 | Zinc | >20 | Thick-layer passivated | Sealed | Fe//Zn20/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn20-24/Cn//T0/T4 | Zinc | 20-24 | Thick-layer passivated, inner surface preserved | Not sealed, oiled | Fe//Zn20-24/Cn//T0/T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn20-40/An//T0 | Zinc | 20-40 | Blue passivated | Not sealed | Fe//Zn20-40/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn25/An//T0 | Zinc | >25 | Blue passivated | Not sealed | Fe//Zn25/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn25/Cn//T0 | Zinc | >25 | Thick-layer passivated | Not sealed | Fe//Zn25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn3-6/An//T0 | Zinc | >3 | Blue passivated | Not sealed | Fe//Zn3-6/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn5/An//T0 | Zinc | >5 | Blue passivated | Not sealed | Fe//Zn5/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn5/Cn//T0 | Zinc | >5 | Thick-layer passivated | Not sealed | Fe//Zn5/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn5/Cn//T0/T4 | Zinc | >5 | Thick-layer passivated | Not sealed, oiled | Fe//Zn5/Cn//T0/T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn5/Cn//T2 | Zinc | >5 | Thick-layer passivated | Sealed | Fe//Zn5/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn5-10/An//T0 | Zinc | 05.10.22 | Blue passivated | Not sealed | Fe//Zn5-10/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn5-10/Cn//T0 | Zinc | 05.10.22 | Thick-layer passivated | Not sealed | Fe//Zn5-10/Cn//T0 | Cr(VI)-free; RoHS-compliant |

| | | | | | | | | |
|--|----------------------------------|----------------------|------|----------|---|-------------------|----------------------|-----------------------------|
| | DIN 19598 (previously DIN 50979) | Fe//Zn5-12/Cn//T2 | Zinc | 05.12.22 | Thick-layer passivated | Sealed | Fe//Zn5-12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn5-7/An//T0 | Zinc | 05.07.22 | Blue passivated | Not sealed | Fe//Zn5-7/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn5-8/An//T0 | Zinc | 05.08.22 | Blue passivated | Not sealed | Fe//Zn5-8/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn5-9/An//T0 | Zinc | 05.09.22 | Blue passivated | Not sealed | Fe//Zn5-9/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6/An//T0 | Zinc | >6 | Blue passivated | Not sealed | Fe//Zn6/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6-10/An//T0 | Zinc | 06.10.22 | Blue passivated | Not sealed | Fe//Zn6-10/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6-10/Cn//T0 | Zinc | 06.10.22 | Thick-layer passivated | Not sealed | Fe//Zn6-10/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6-10/Cn//T2 | Zinc | 06.10.22 | Thick-layer passivated | Sealed | Fe//Zn6-10/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6-12/An//T0 | Zinc | 06.12.22 | Blue passivated | Not sealed | Fe//Zn6-12/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6-12/Cn//T0 | Zinc | 06.12.22 | Thick-layer passivated | Not sealed | Fe//Zn6-12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6-8/An//T0 | Zinc | 06.08.22 | Blue passivated | Not sealed | Fe//Zn6-8/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6-8/Cn//T0 | Zinc | 06.08.22 | Thick-layer passivated | Not sealed | Fe//Zn6-8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6-9/An//T0 | Zinc | 06.09.22 | Blue passivated | Not sealed | Fe//Zn6-9/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6-9/Cn//T0 | Zinc | 06.09.22 | Thick-layer passivated | Not sealed | Fe//Zn6-9/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn6-9/Cn//T2 | Zinc | 06.09.22 | Thick-layer passivated | Sealed | Fe//Zn6-9/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn7-10/An//T0 | Zinc | 07.10.22 | Blue passivated | Not sealed | Fe//Zn7-10/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn7-13/An//T0 | Zinc | 01.07.13 | Blue passivated | Not sealed | Fe//Zn7-13/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8/An//T0 | Zinc | >8 | Blue passivated | Not sealed | Fe//Zn8/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8/An//T0/T4 | Zinc | >8 | Blue passivated, inner surface preserved | Not sealed, oiled | Fe//Zn8/An//T0/T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8/An//T2 | Zinc | >8 | Blue passivated | Sealed | Fe//Zn8/An//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8/Cn//T0 | Zinc | >8 | Thick-layer passivated | Not sealed | Fe//Zn8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8/Cn//T0/T4 | Zinc | >8 | Thick-layer passivated, inner surface preserved | Not sealed, oiled | Fe//Zn8/Cn//T0/T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8/Cn//T2 | Zinc | 01.08.25 | Thick-layer passivated | Sealed | Fe//Zn8/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8/Cn//T2/T4 | Zinc | >8 | Thick-layer passivated, inner surface preserved, sealed | Sealed & oiled | Fe//Zn8/Cn//T2/T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-10/Cn//T0 | Zinc | 08.10.22 | Thick-layer passivated | Not sealed | Fe//Zn8-10/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-12/An//T0 | Zinc | 08.12.22 | Blue passivated | Not sealed | Fe//Zn8-12/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-12/An//T0/T4 | Zinc | 08.12.22 | Blue passivated | Not sealed, oiled | Fe//Zn8-12/An//T0/T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-12/An//T0/T4 | Zinc | >8 | Blue passivated, inner surface preserved | Not sealed, oiled | Fe//Zn8-12/An//T0/T4 | Cr(VI)-free; RoHS-compliant |

| | | | | | | | | |
|--|----------------------------------|----------------------|-----------|----------|---|-------------------|----------------------|-----------------------------|
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-12/An//T2 | Zinc | 08.12.22 | Blue passivated | Sealed | Fe//Zn8-12/An//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-12/Cn//T0 | Zinc | 08.12.22 | Thick-layer passivated | Not sealed | Fe//Zn8-12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-12/Cn//T0/T4 | Zinc | >8 | Thick-layer passivated, inner surface preserved | Not sealed, oiled | Fe//Zn8-12/Cn//T0/T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-13/An//T0 | Zinc | 01.08.13 | Blue passivated | Not sealed | Fe//Zn8-13/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-13/Cn//T0 | Zinc | 01.08.13 | Thick-layer passivated | Not sealed | Fe//Zn8-13/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-14/An//T0 | Zinc | 01.08.14 | Blue passivated | Not sealed | Fe//Zn8-14/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-14/Cn//T0 | Zinc | 01.08.14 | Thick-layer passivated | Not sealed | Fe//Zn8-14/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-15/Cn//T0 | Zinc | 01.08.15 | Thick-layer passivated | Not sealed | Fe//Zn8-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-15/Cn//T2 | Zinc | 01.08.15 | Thick-layer passivated | Sealed | Fe//Zn8/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-16/An//T0 | Zinc | 01.08.16 | Blue passivated | Not sealed | Fe//Zn8-16/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-20/An//T0 | Zinc | 01.08.20 | Blue passivated | Not sealed | Fe//Zn8-20/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-25/An//T0 | Zinc | 01.08.25 | Blue passivated | Not sealed | Fe//Zn8-25/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-25/Cn//T0 | Zinc | 01.08.25 | Thick-layer passivated | Not sealed | Fe//Zn8-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn8-25/Cn//T2 | Zinc | 01.08.25 | Thick-layer passivated | Sealed | Fe//Zn8-25/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//Zn9/Cn//T0 | Zinc | >9 | Thick-layer passivated | Not sealed | Fe//Zn9/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe10/Cn//T0 | Zinc-iron | >10 | Thick-layer passivated | Not sealed | Fe//ZnFe10/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe10/Cn//T2 | Zinc-iron | >10 | Thick-layer passivated | Sealed | Fe//ZnFe10/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe10/Fn//T2 | Zinc-iron | >10 | Black passivated | Sealed | Fe//ZnFe10/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe10/Fn//T4 | Zinc-iron | >10 | Black passivated | Oiled | Fe//ZnFe10/Fn//T4 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe10-12/Cn//T2 | Zinc-iron | 10.12.22 | Thick-layer passivated | Sealed | Fe//ZnFe10-12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe10-15//T0 | Zinc-iron | 01.10.15 | Not passivated | Not sealed | Fe//ZnFe10-15//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe10-15/Cn//T0 | Zinc-iron | 01.10.15 | Thick-layer passivated | Not sealed | Fe//ZnFe10-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe10-15/Fn//T0 | Zinc-iron | 01.10.15 | Black passivated | Not sealed | Fe//ZnFe10-15/Fn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe10-15/Fn//T4 | Zinc-iron | 01.10.15 | Black passivated | Oiled | Fe//ZnFe10-15/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe10-20/Cn//T2 | Zinc-iron | 01.10.20 | Thick-layer passivated | Sealed | Fe//ZnFe10-20/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe12/Cn//T0 | Zinc-iron | >12 | Thick-layer passivated | Not sealed | Fe//ZnFe12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe12/Cn//T0 | Zinc-iron | >12 | Thick-layer passivated | Not sealed | Fe//ZnFe12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnFe12/Cn//T2 | Zinc-iron | >12 | Thick-layer passivated | Sealed | Fe//ZnFe12/Cn//T2 | Cr(VI)-free; RoHS-compliant |

| | | | | | | | |
|----------------------------------|----------------------|-----------|----------|------------------------|------------|----------------------|-----------------------------|
| DIN 19598 (previously DIN 50979) | Fe//ZnFe12/Fn//T0 | Zinc-iron | >12 | Black passivated | Not sealed | Fe//ZnFe12/Fn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe12/Fn//T2 | Zinc-iron | >12 | Black passivated | Sealed | Fe//ZnFe12/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe12-15/Cn//T0 | Zinc-iron | 01.12.15 | Thick-layer passivated | Not sealed | Fe//ZnFe12-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe12-18/Fn//T2 | Zinc-iron | 01.12.15 | Black passivated | Sealed | Fe//ZnFe12-18/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe15/Cn//T0 | Zinc-iron | >15 | Thick-layer passivated | Not sealed | Fe//ZnFe15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe15-20/Cn//T0 | Zinc-iron | 15-20 | Thick-layer passivated | Not sealed | Fe//ZnFe15-20/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe2-4/Cn//T0 | Zinc-iron | 02.04.22 | Thick-layer passivated | Not sealed | Fe//ZnFe2-4/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe2-5/Cn//T0 | Zinc-iron | 02.05.22 | Thick-layer passivated | Not sealed | Fe//ZnFe2-5/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe2-5/Cn//T2 | Zinc-iron | 02.05.22 | Thick-layer passivated | Sealed | Fe//ZnFe2-5/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe3/Cn//T2 | Zinc-iron | >3 | Thick-layer passivated | Sealed | Fe//ZnFe3/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe3-6/Cn//T0 | Zinc-iron | 03.06.22 | Thick-layer passivated | Not sealed | Fe//ZnFe3-6/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe5/Cn//T0 | Zinc-iron | >5 | Thick-layer passivated | Not sealed | Fe//ZnFe5/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe5/Cn//T2 | Zinc-iron | >5 | Thick-layer passivated | Sealed | Fe//ZnFe5/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe5/Fn//T0 | Zinc-iron | >5 | Black passivated | Sealed | Fe//ZnFe5/Fn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe5/Fn//T2 | Zinc-iron | >5 | Black passivated | Sealed | Fe//ZnFe5/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe5/Fn//T4 | Zinc-iron | >5 | Black passivated | Sealed | Fe//ZnFe5/Fn//T4 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe5-10/Fn//T0 | Zinc-iron | 05.10.22 | Black passivated | Not sealed | Fe//ZnFe5-10/Fn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe5-10/Fn//T2 | Zinc-iron | 05.10.22 | Black passivated | Sealed | Fe//ZnFe5-10/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe5-10/Fn//T4 | Zinc-iron | 05.10.22 | Black passivated | Oiled | Fe//ZnFe5-10/Fn//T4 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe5-15/Cn//T0 | Zinc-iron | 01.05.15 | Thick-layer passivated | Not sealed | Fe//ZnFe5-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe5-8/Fn//T2 | Zinc-iron | 01.08.15 | Black passivated | Sealed | Fe//ZnFe5-8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe6-10/Cn//T0 | Zinc-iron | 06.10.22 | Thick-layer passivated | Not sealed | Fe//ZnFe6-10/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe6-12/Fn//T2 | Zinc-iron | 06.12.22 | Black passivated | Sealed | Fe//ZnFe6-12/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe6-8/Cn//T0 | Zinc-iron | 06.08.22 | Thick-layer passivated | Not sealed | Fe//ZnFe6-8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe6-8/Cn//T2 | Zinc-iron | 06.08.22 | Thick-layer passivated | Sealed | Fe//ZnFe6-8/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe6-8/Fn//T2 | Zinc-iron | 06.08.22 | Black passivated | Sealed | Fe//ZnFe6-8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe6-9/Cn//T0 | Zinc-iron | 06.09.22 | Thick-layer passivated | Not sealed | Fe//ZnFe6-9/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe6-9/Cn//T2 | Zinc-iron | 06.09.22 | Thick-layer passivated | Sealed | Fe//ZnFe6-9/Cn//T2 | Cr(VI)-free; RoHS-compliant |

| | | | | | | | |
|----------------------------------|----------------------|-------------|----------|------------------------|------------|----------------------|-----------------------------|
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8//T0 | Zinc-iron | >8 | Not passivated | Not sealed | Fe//ZnFe8//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8/Cn//T0 | Zinc-iron | >8 | Thick-layer passivated | Not sealed | Fe//ZnFe8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8/Cn//T0 | Zinc-iron | >8 | Thick-layer passivated | Not sealed | Fe//ZnFe8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8/Cn//T2 | Zinc-iron | >8 | Thick-layer passivated | Sealed | Fe//ZnFe8/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8/Fn//T2 | Zinc-iron | >8 | Black passivated | Sealed | Fe//ZnFe8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8/Fn//T4 | Zinc-iron | >8 | Black passivated | Oiled | Fe//ZnFe8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-12/Cn//T0 | Zinc-iron | 08.12.22 | Thick-layer passivated | Not sealed | Fe//ZnFe8-12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-12/Cn//T2 | Zinc-iron | 08.12.22 | Thick-layer passivated | Sealed | Fe//ZnFe8-12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-12/Fn//T2 | Zinc-iron | 08.12.22 | Black passivated | Sealed | Fe//ZnFe8-12/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-13/Cn//T2 | Zinc-iron | 01.08.13 | Thick-layer passivated | Sealed | Fe//ZnFe8-13/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-13/Fn//T2 | Zinc-iron | 01.08.13 | Black passivated | Sealed | Fe//ZnFe8-13/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-15/Cn//T0 | Zinc-iron | 01.08.15 | Thick-layer passivated | Not sealed | Fe//ZnFe8-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-15/Cn//T2 | Zinc-iron | 01.08.15 | Thick-layer passivated | Sealed | Fe//ZnFe8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-15/Fn//T2 | Zinc-iron | 01.08.15 | Black passivated | Sealed | Fe//ZnFe8-12/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-20/Cn//T0 | Zinc-iron | 01.08.20 | Thick-layer passivated | Not sealed | Fe//ZnFe8-20/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-20/Cn//T2 | Zinc-iron | 01.08.20 | Thick-layer passivated | Sealed | Fe//ZnFe8-20/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-20/Fn//T2 | Zinc-iron | 01.08.20 | Black passivated | Sealed | Fe//ZnFe8-12/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-25/Cn//T2 | Zinc-iron | 01.08.25 | Thick-layer passivated | Sealed | Fe//ZnFe8-25/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnFe8-25/Fn//T2 | Zinc-iron | 01.08.25 | Black passivated | Sealed | Fe//ZnFe8-12/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi10/Cn//T0 | Zinc-nickel | >10 | Iridescent passivated | Not sealed | Fe//ZnNi10/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi10-12/Cn//T0 | Zinc-nickel | 10.12.22 | Iridescent passivated | Not sealed | Fe//ZnNi10-12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi10-15/Cn//T0 | Zinc-nickel | 01.10.15 | Iridescent passivated | Not sealed | Fe//ZnNi10-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi10-15/Cn//T2 | Zinc-nickel | 01.10.15 | Iridescent passivated | Sealed | Fe//ZnNi10-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi10-20/Cn//T0 | Zinc-nickel | 01.10.20 | Iridescent passivated | Not sealed | Fe//ZnNi10-20/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi12/Cn//T0 | Zinc-nickel | >12 | Iridescent passivated | Not sealed | Fe//ZnNi12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi12/Cn//T2 | Zinc-nickel | >12 | Iridescent passivated | Sealed | Fe//ZnNi12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi12/Cn//T2 | Zinc-nickel | >12 | Iridescent passivated | Sealed | Fe//ZnNi12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi12/Fn//T0 | Zinc-nickel | >12 | Black passivated | Not sealed | Fe//ZnNi12/Fn//T0 | Cr(VI)-free; RoHS-compliant |

| | | | | | | | |
|----------------------------------|----------------------|-------------|----------|-----------------------|------------|----------------------|-----------------------------|
| DIN 19598 (previously DIN 50979) | Fe//ZnNi12/Fn//T2 | Zinc-nickel | >12 | Black passivated | Sealed | Fe//ZnNi12/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi12-18/Cn//T0 | Zinc-nickel | 01.12.18 | Iridescent passivated | Not sealed | Fe//ZnNi12-18/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi15/Cn//T2 | Zinc-nickel | >15 | Iridescent passivated | Sealed | Fe//ZnNi15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi15-25/Cn//T0 | Zinc-nickel | 15-25 | Iridescent passivated | Not sealed | Fe//ZnNi15-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi15-25/Cn//T2 | Zinc-nickel | 15-25 | Iridescent passivated | Sealed | Fe//ZnNi15-25/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi3/Cn//T2 | Zinc-nickel | >3 | Iridescent passivated | Sealed | Fe//ZnNi3/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi3-6/Cn//T0 | Zinc-nickel | 03.06.22 | Iridescent passivated | Not sealed | Fe//ZnNi3-6/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi3-8/Cn//T0 | Zinc-nickel | 03.08.22 | Iridescent passivated | Not sealed | Fe//ZnNi3-8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi5/Cn//T0 | Zinc-nickel | >5 | Iridescent passivated | Not sealed | Fe//ZnNi5/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi5/Cn//T2 | Zinc-nickel | >5 | Iridescent passivated | Sealed | Fe//ZnNi5/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi5/Fn//T0 | Zinc-nickel | >5 | Black passivated | Not sealed | Fe//ZnNi5/Fn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi5/Fn//T2 | Zinc-nickel | >5 | Black passivated | Sealed | Fe//ZnNi5/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi5-10/Cn//T0 | Zinc-nickel | 05.10.22 | Iridescent passivated | Not sealed | Fe//ZnNi5-10/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi5-12/Cn//T0 | Zinc-nickel | 05.10.22 | Iridescent passivated | Not sealed | Fe//ZnNi5-12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi5-15/Cn//T0 | Zinc-nickel | 01.05.15 | Iridescent passivated | Not sealed | Fe//ZnNi5-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6//T0 | Zinc-nickel | >6 | Not passivated | Not sealed | Fe//ZnNi6//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6/Cn//T0 | Zinc-nickel | >6 | Iridescent passivated | Not sealed | Fe//ZnNi6/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6/Cn//T2 | Zinc-nickel | >6 | Iridescent passivated | Sealed | Fe//ZnNi6/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6-10/Cn//T0 | Zinc-nickel | 06.10.22 | Iridescent passivated | Not sealed | Fe//ZnNi6-10/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6-10/Cn//T2 | Zinc-nickel | 06.10.22 | Iridescent passivated | Sealed | Fe//ZnNi6-10/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6-12/Cn//T0 | Zinc-nickel | 06.12.22 | Iridescent passivated | Not sealed | Fe//ZnNi6-12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6-12/Cn//T2 | Zinc-nickel | 06.12.22 | Iridescent passivated | Sealed | Fe//ZnNi6-12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6-15/Cn//T2 | Zinc-nickel | 01.06.15 | Iridescent passivated | Sealed | Fe//ZnNi6-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6-16/Cn//T0 | Zinc-nickel | 01.06.16 | Iridescent passivated | Not sealed | Fe//ZnNi6-16/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6-16/Cn//T2 | Zinc-nickel | 01.06.16 | Iridescent passivated | Sealed | Fe//ZnNi6-16/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6-25/Cn//T0 | Zinc-nickel | 01.06.25 | Iridescent passivated | Not sealed | Fe//ZnNi6-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6-25/Cn//T2 | Zinc-nickel | 01.06.25 | Iridescent passivated | Sealed | Fe//ZnNi6-25/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| DIN 19598 (previously DIN 50979) | Fe//ZnNi6-8/Cn//T0 | Zinc-nickel | 06.08.22 | Iridescent passivated | Not sealed | Fe//ZnNi6-8/Cn//T0 | Cr(VI)-free; RoHS-compliant |

| | | | | | | | | |
|--|----------------------------------|---------------------|-------------|----------|------------------------|------------|---------------------|-----------------------------|
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi6-8/Cn//T2 | Zinc-nickel | 06.08.22 | Iridescent passivated | Sealed | Fe//ZnNi6-8/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi7-11/Cn//T2 | Zinc-nickel | 07.11.22 | Transparent passivated | Sealed | Fe//ZnNi6-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8//T0 | Zinc-nickel | >8 | Not passivated | Not sealed | Fe//ZnNi8//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8/An//T0 | Zinc-nickel | >8 | Transparent passivated | Not sealed | Fe//ZnNi8/An//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8/Cn//T0 | Zinc-nickel | >8 | Iridescent passivated | Not sealed | Fe//ZnNi8/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8/Cn//T2 | Zinc-nickel | >8 | Iridescent passivated | Sealed | Fe//ZnNi8/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8/Fn//T0 | Zinc-nickel | >8 | Black passivated | Not sealed | Fe//ZnNi8/Fn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8/Fn//T2 | Zinc-nickel | >8 | Black passivated | Sealed | Fe//ZnNi8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-12/Cn//T0 | Zinc-nickel | 08.12.22 | Iridescent passivated | Not sealed | Fe//ZnNi8-12/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-12/Cn//T2 | Zinc-nickel | 08.12.22 | Iridescent passivated | Sealed | Fe//ZnNi8-12/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-15//T0 | Zinc-nickel | 01.08.15 | Not passivated | Not sealed | Fe//ZnNi8-15//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-15/Cn//T0 | Zinc-nickel | 01.08.15 | Iridescent passivated | Not sealed | Fe//ZnNi8-15/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-15/Cn//T2 | Zinc-nickel | 01.08.15 | Iridescent passivated | Sealed | Fe//ZnNi8-15/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-16/Cn//T0 | Zinc-nickel | 01.08.16 | Iridescent passivated | Not sealed | Fe//ZnNi8-16/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-16/Cn//T2 | Zinc-nickel | 01.08.16 | Iridescent passivated | Sealed | Fe//ZnNi8-18/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-18/Cn//T2 | Zinc-nickel | 01.08.18 | Iridescent passivated | Sealed | Fe//ZnNi8-18/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-20/Cn//T0 | Zinc-nickel | 01.08.20 | Iridescent passivated | Not sealed | Fe//ZnNi8-20/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-25/Cn//T0 | Zinc-nickel | 01.08.25 | Iridescent passivated | Not sealed | Fe//ZnNi8-25/Cn//T0 | Cr(VI)-free; RoHS-compliant |
| | DIN 19598 (previously DIN 50979) | Fe//ZnNi8-25/Cn//T2 | Zinc-nickel | 01.08.25 | Iridescent passivated | Sealed | Fe//ZnNi8-25/Cn//T2 | Cr(VI)-free; RoHS-compliant |
| | DIN 50961 | Fe//Zn12 | Zinc | >12 | Not passivated | Not sealed | Fe//Zn12 | Cr(VI)-free; RoHS-compliant |
| | DIN 50961 | Fe//Zn20 | Zinc | >20 | Not passivated | Not sealed | Fe//Zn20 | Cr(VI)-free; RoHS-compliant |
| | DIN 50961 | Fe//Zn5 | Zinc | >5 | Not passivated | Not sealed | Fe//Zn5 | Cr(VI)-free; RoHS-compliant |
| | DIN 50961 | Fe//Zn6 | Zinc | >6 | Not passivated | Not sealed | Fe//Zn6 | Cr(VI)-free; RoHS-compliant |
| | DIN 50961 | Fe//Zn6-10 | Zinc | 06.10.22 | Not passivated | Not sealed | Fe//Zn6-10 | Cr(VI)-free; RoHS-compliant |
| | DIN 50961 | Fe//Zn6-12 | Zinc | 06.12.22 | Not passivated | Not sealed | Fe//Zn6-12 | Cr(VI)-free; RoHS-compliant |
| | DIN 50961 | Fe//Zn6-9 | Zinc | 06.09.22 | Not passivated | Not sealed | Fe//Zn6-9 | Cr(VI)-free; RoHS-compliant |
| | DIN 50961 | Fe//Zn8 | Zinc | >8 | Not passivated | Not sealed | Fe//Zn8 | Cr(VI)-free; RoHS-compliant |
| | DIN 50961 | Fe//Zn8-15 | Zinc | >8 | Not passivated | Not sealed | Fe//Zn8-15 | Cr(VI)-free; RoHS-compliant |
| | DIN 50961 | Fe//Zn9 | Zinc | >9 | Not passivated | Not sealed | Fe//Zn9 | Cr(VI)-free; RoHS-compliant |
| | DIN 50965 | Cu//Sn5 | Tin | >5 | | | Cu//Sn5 | Free of conflict minerals |
| | DIN 50965 | Cu//Sn10 | Tin | >10 | | | Cu//Sn10 | Free of conflict minerals |
| | DIN 50965 | Cu//Sn12 | Tin | >12 | | | Cu//Sn12 | Free of conflict minerals |

| | | | | | | | | |
|--|-----------|--------------------|--------------|------------|------------|--|--------------------|---------------------------|
| | DIN 50965 | Cu/Sn15 | Tin | >15 | | | Cu/Sn15 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn15-35 | Tin | 15-35 | | | Cu/Sn15-35 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn20 | Tin | >20 | | | Cu/Sn20 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn2-6 | Tin | 02.06.22 | | | Cu/Sn2-6 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn2-8 | Tin | 02.08.22 | | | Cu/Sn2-8 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn4 | Tin | >4 | | | Cu/Sn4 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn5-10 | Tin | 05.10.22 | | | Cu/Sn5-10 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn5-15 | Tin | 01.05.15 | | | Cu/Sn5-15 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn6 | Tin | >6 | | | Cu/Sn6 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn7-12 | Tin | 07.12.22 | | | Cu/Sn7-12 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn7-13 | Tin | 01.07.13 | | | Cu/Sn7-13 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn8 | Tin | >8 | | | Cu/Sn8 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn8-10 | Tin | 08.10.22 | | | Cu/Sn8-10 | Free of conflict minerals |
| | DIN 50965 | Cu/Sn8-12 | Tin | 08.12.22 | | | Cu/Sn8-12 | Free of conflict minerals |
| | DIN 50965 | CuZn/Cu2-5/Sn3-5 | Copper + tin | 2-5/3-5 | | | CuZn/Cu2-5/Sn3-5 | Free of conflict minerals |
| | DIN 50965 | CuZn/Cu2-6/Sn2-6 | Copper + tin | 2-6 / 2-6 | | | CuZn/Cu2-5/Sn3-6 | Free of conflict minerals |
| | DIN 50965 | CuZn/Cu2-6/Sn3-7 | Copper + tin | 2-6 / 3-7 | | | CuZn/Cu2-6/Sn3-7 | Free of conflict minerals |
| | DIN 50965 | CuZn/Cu2-6/Sn5-9 | Copper + tin | 2-6 / 5-9 | | | CuZn/Cu2-6/Sn5-9 | Free of conflict minerals |
| | DIN 50965 | CuZn/Cu3/Sn13-25 | Copper + tin | 3-10/13-25 | | | CuZn/Cu3/Sn13-25 | Free of conflict minerals |
| | DIN 50965 | CuZn/Cu4/Sn8 | Copper + tin | >4/>8 | | | CuZn/Cu4/Sn8 | Free of conflict minerals |
| | DIN 50965 | CuZn/Cu5-10/Sn5-10 | Copper + tin | 5-10/5-10 | | | CuZn/Cu5-10/Sn5-10 | Free of conflict minerals |
| | DIN 50965 | CuZn/Cu8 | Copper | >8 | | | CuZn/Cu8 | |
| | DIN 50965 | CuZn/Sn10 | Tin | >10 | | | CuZn/Sn10 | Free of conflict minerals |
| | DIN 50965 | CuZn/Sn3 | Tin | >3 | | | CuZn/Sn3 | Free of conflict minerals |
| | DIN 50965 | CuZn/Sn3-10 | Tin | 03.10.22 | | | CuZn/Sn3-10 | Free of conflict minerals |
| | DIN 50965 | CuZn/Sn5 | Tin | >5 | | | CuZn/Sn5 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu10-12 | Copper | 10.12.22 | | | Fe/Cu10-12 | |
| | DIN 50965 | Fe/Cu10-12/T4 | Copper | 10.12.22 | Passivated | | Fe/Cu10-12/T4 | |
| | DIN 50965 | Fe/Cu12 | Copper | >12 | | | Fe/Cu12 | |
| | DIN 50965 | Fe/Cu12/T4 | Copper | >12 | Passivated | | Fe/Cu12/T4 | |
| | DIN 50965 | Fe/Cu12-15 | Copper | 01.12.15 | | | Fe/Cu12-15 | |
| | DIN 50965 | Fe/Cu12-15/T4 | Copper | 01.12.15 | Passivated | | Fe/Cu12-15/T4 | |
| | DIN 50965 | Fe/Cu15 | Copper | >15 | Passivated | | Fe/Cu15 | |
| | DIN 50965 | Fe/Cu1-5/Sn10-15 | Copper + tin | 1-5/10-15 | | | Fe/Cu1-5/Sn10-15 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu1-5/Sn15-25 | Copper + tin | 1-5/15-25 | | | Fe/Cu1-5/Sn15-25 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu1-5/Sn6 | Copper + tin | >1 >6 | | | Fe/Cu1-5/Sn6 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu15/T4 | Copper | >15 | Passivated | | Fe/Cu15/T4 | |
| | DIN 50965 | Fe/Cu15-20 | Copper | 15-20 | | | Fe/Cu15-20 | |
| | DIN 50965 | Fe/Cu20 | Copper | >20 | Passivated | | Fe/Cu20 | |

| | | | | | | | | |
|--|-----------|-------------------|--------------|--------------|------------|---|-------------------|---------------------------|
| | DIN 50965 | Fe/Cu25 | Copper | >25 | Passivated | | Fe/Cu25 | |
| | DIN 50965 | Fe/Cu2-5/Sn4-7 | Copper + tin | >4 | | | Fe/Cu2-5/Sn4-7 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu2-6/Sn5-13 | Copper + tin | 2-6/5-13 | | | Fe/Cu2-6/Sn5-13 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu2-6/Sn5-21 | Copper + tin | 2-6 5-21 | | | Fe/Cu2-6/Sn5-21 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu2-6/Sn5-9 | Copper + tin | 2-6/5-9 | | | Fe/Cu2-6/Sn5-9 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu3/Sn15 | Copper + tin | >3/>15 | | | Fe/Cu3/Sn15 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu3/Sn3 | Copper + tin | >3/>3 | | | Fe/Cu3/Sn3 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu3-6 | Copper | 03.06.22 | | | Fe/Cu3-6 | |
| | DIN 50965 | Fe/Cu5/Sn5 | Copper + tin | >5/>5 | | | Fe/Cu5/Sn5 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu5/Sn5/T4 | Copper + tin | >5/>5 | Passivated | | Fe/Cu5/Sn5/T4 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu5/Sn7 | Copper + tin | >5/>7 | | | Fe/Cu5/Sn7 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu5-10 | Copper | 05.10.22 | | | Fe/Cu5-10 | |
| | DIN 50965 | Fe/Cu6 | Copper | >6 | | | Fe/Cu6 | |
| | DIN 50965 | Fe/Cu6-10/Sn10-16 | Copper + tin | 6-10 / 10-16 | | | Fe/Cu6-10/Sn10-16 | Free of conflict minerals |
| | DIN 50965 | Fe/Cu6-9 | Copper | 06.09.22 | Passivated | | Fe/Cu6-9 | |
| | DIN 50965 | Fe/Cu6-9/T4 | Copper | 06.09.22 | Passivated | | Fe/Cu6-9/T4 | |
| | DIN 50965 | Fe/Cu7-20 | Copper | 01.07.20 | | | Fe/Cu7-20 | |
| | DIN 50965 | Fe/Cu8 | Copper | >8 | | | Fe/Cu8 | |
| | DIN 50965 | Fe/Sn10 | Tin | >10 | | 0 | Fe/Sn10 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn10-16 | Tin | 01.10.16 | | | Fe/Sn10-16 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn10-20 | Tin | >15 | | | Fe/Sn10-20 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn12 | Tin | >12 | | | Fe/Sn12 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn12-15 | Tin | 01.12.15 | | | Fe/Sn12-15 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn15 | Tin | >15 | | | Fe/Sn15 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn15-30 | Tin | 15-30 | | | Fe/Sn15-30 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn2-6 | Tin | 02.06.22 | | | Fe/Sn2-6 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn2-8 | Tin | 02.08.22 | | | Fe/Sn2-8 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn3 | Tin | >3 | | | Fe/Sn3 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn30 | Tin | >30 | | | Fe/Sn30 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn4-8 | Tin | 04.08.22 | | | Fe/Sn4-8 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn5 | Tin | >5 | | | Fe/Sn5 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn5-9 | Tin | 05.09.22 | | | Fe/Sn5-9 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn6 | Tin | >6 | | | Fe/Sn6 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn6/T4 | Tin | >6 | | | Fe/Sn6/T4 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn6-12 | Tin | 06.12.22 | | | Fe/Sn6-12 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn6-9 | Tin | 06.09.22 | | | Fe/Sn6-9 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn7-12 | Tin | 07.12.22 | | | Fe/Sn7-12 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn8 | Tin | >8 | | | Fe/Sn8 | Free of conflict minerals |
| | DIN 50965 | Fe/Sn8-12 | Tin | 08.12.22 | | | Fe/Sn8-12 | Free of conflict minerals |

| | | | | | | | | |
|--|----------|-----|-----------|-----|------------------------|------------|------------------|-----------------------------|
| | ISO 4042 | A3K | Zinc | >8 | Blue passivated | Not sealed | Fe//Zn8/An//T0 | Cr(VI)-free; RoHS-compliant |
| | ISO 4042 | A3S | Zinc | >8 | Black passivated | Sealed | Fe//ZnFe8/Fn//T2 | Cr(VI)-free; RoHS-compliant |
| | ISO 4042 | A4A | Zinc | >12 | Transparent passivated | Not sealed | Fe//Zn12/An//T0 | Cr(VI)-free; RoHS-compliant |
| | ISO 4042 | J3E | Tin | >8 | | Not sealed | Fe/Sn8 | Free of conflict minerals |
| | ISO 4042 | R3R | Zinc-iron | >8 | Black passivated | Sealed | Fe//ZnFe8/Fn//T2 | Cr(VI)-free; RoHS-compliant |