

## Negative List of Material Compliance

norelem Normelemente GmbH & Co. KG is an EU-based manufacturer and supplier of quality standard parts and delivers worldwide, mainly to machine and fixture construction industries.

The following articles do not meet the material compliance of the respective category.

### RoHS (directive 2011/65/EU (RoHS) incl. (EU) 2015/863)

Article No.	Description
07780-12108X10	BALL LIFTING PIN D1=8, L1=10, STAINLESS STEEL
07780-12108X15	BALL LIFTING PIN D1=8, L1=15, STAINLESS STEEL
07780-12108X25	BALL LIFTING PIN D1=8, L1=25, STAINLESS STEEL
07780-12108X35	BALL LIFTING PIN D1=8, L1=35, STAINLESS STEEL
07780-12110X15	BALL LIFTING PIN D1=10, L1=15, STAINLESS STEEL
07780-12110X25	BALL LIFTING PIN D1=10, L1=25, STAINLESS STEEL
07780-12110X35	BALL LIFTING PIN D1=10, L1=35, STAINLESS STEEL
07780-12110X50	BALL LIFTING PIN D1=10, L1=50, STAINLESS STEEL
07780-12112X15	BALL LIFTING PIN D1=12, L1=15, STAINLESS STEEL
07780-12112X25	BALL LIFTING PIN D1=12, L1=25, STAINLESS STEEL
07780-12112X35	BALL LIFTING PIN D1=12, L1=35, STAINLESS STEEL
07780-12112X50	BALL LIFTING PIN D1=12, L1=50, STAINLESS STEEL
07780-12516X25	BALL LIFTING PIN D1=16, L1=25, STAINLESS STEEL
07780-12516X50	BALL LIFTING PIN D1=16, L1=50, STAINLESS STEEL
07780-12516X75	BALL LIFTING PIN D1=16, L1=75, STAINLESS STEEL
07780-13020X50	BALL LIFTING PIN D1=20, L1=50, STAINLESS STEEL
07780-13020X75	BALL LIFTING PIN D1=20, L1=75, STAINLESS STEEL
07780-2108X10	BALL LIFTING PIN D1=8, L1=10, STEEL MANG-PHOSPHATED
07780-2108X15	BALL LIFTING PIN D1=8, L1=15, STEEL MANG-PHOSPHATED
07780-2108X25	BALL LIFTING PIN D1=8, L1=25, STEEL MANG-PHOSPHATED
07780-2108X35	BALL LIFTING PIN D1=8, L1=35, STEEL MANG-PHOSPHATED
07780-2110X15	BALL LIFTING PIN D1=10, L1=15, STEEL MANG-PHOSPHATED
07780-2110X25	BALL LIFTING PIN D1=10, L1=25, STEEL MANG-PHOSPHATED
07780-2110X35	BALL LIFTING PIN D1=10, L1=35, STEEL MANG-PHOSPHATED
07780-2110X50	BALL LIFTING PIN D1=10, L1=50, STEEL MANG-PHOSPHATED
07780-2112X15	BALL LIFTING PIN D1=12, L1=15, STEEL MANG-PHOSPHATED
07780-2112X25	BALL LIFTING PIN D1=12, L1=25, STEEL MANG-PHOSPHATED
07780-2112X35	BALL LIFTING PIN D1=12, L1=35, STEEL MANG-PHOSPHATED
07780-2112X50	BALL LIFTING PIN D1=12, L1=50, STEEL MANG-PHOSPHATED
07780-2516X25	BALL LIFTING PIN D1=16, L1=25, STEEL MANG-PHOSPHATED
07780-2516X50	BALL LIFTING PIN D1=16, L1=50, STEEL MANG-PHOSPHATED
07780-2516X75	BALL LIFTING PIN D1=16, L1=75, STEEL MANG-PHOSPHATED
07780-2520X50	BALL LIFTING PIN D1=20, L1=50, STEEL MANG-PHOSPHATED

07780-2520X75	BALL LIFTING PIN D1=20, L1=75, STEEL MANG-PHOSPHATED
24003-0815132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 8X1,5, L=16, D1=18, GUNMETAL
24003-0815232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 8X1,5, L=16, D1=18, GUNMETAL
24003-1002132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 10X2, L=20, D1=22, GUNMETAL
24003-1002232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 10X2, L=20, D1=22, GUNMETAL
24003-1003132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 10X3, L=20, D1=22, GUNMETAL
24003-1003232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 10X3, L=20, D1=22, GUNMETAL
24003-1203132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 12X3, L=24, D1=26, GUNMETAL
24003-1203232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 12X3, L=24, D1=26, GUNMETAL
24003-1403132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 14X3, L=28, D1=30, GUNMETAL
24003-1403232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 14X3, L=28, D1=30, GUNMETAL
24003-1404132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 14X4, L=28, D1=30, GUNMETAL
24003-1404232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 14X4, L=28, D1=30, GUNMETAL
24003-1604132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 16X4, L=32, D1=36, GUNMETAL
24003-1604232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 16X4, L=32, D1=36, GUNMETAL
24003-1804132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 18X4, L=36, D1=40, GUNMETAL
24003-1804232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 18X4, L=36, D1=40, GUNMETAL
24003-2004132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 20X4, L=40, D1=45, GUNMETAL
24003-2004232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 20X4, L=40, D1=45, GUNMETAL
24003-2405132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 24X5, L=48, D1=50, GUNMETAL
24003-2405232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 24X5, L=48, D1=50, GUNMETAL
24003-2605132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 26X5, L=48, D1=50, GUNMETAL
24003-2605232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 26X5, L=48, D1=50, GUNMETAL
24003-2805132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 28X5, L=60, D1=60, GUNMETAL
24003-2805232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 28X5, L=56, D1=60, GUNMETAL
24003-3006132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 30X6, L=60, D1=60, GUNMETAL
24003-3006232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 30X6, L=60, D1=60, GUNMETAL
24003-3206132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 32X6, L=64, D1=60, GUNMETAL
24003-3206232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 32X6, L=64, D1=60, GUNMETAL
24003-3606132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 36X6, L=72, D1=75, GUNMETAL
24003-3606232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 36X6, L=72, D1=75, GUNMETAL
24003-4007132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 40X7, L=80, D1=80, GUNMETAL
24003-4007232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 40X7, L=80, D1=80, GUNMETAL
24003-4407132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 44X7, L=88, D1=80, GUNMETAL
24003-4407232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 44X7, L=88, D1=80, GUNMETAL
24003-5008132	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 50X8, L=100, D1=90, GUNMETAL
24003-5008232	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 50X8, L=100, D1=90, GUNMETAL
24004-060213	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 6X2 P1, D1=18, L=12, GUNMETAL
24004-120613	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 12X6 P3, D1=26, L=24, GUNMETAL
24004-160813	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 16X8 P4, D1=36, L=32, GUNMETAL
24004-200813	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 20X8 P4, D1=45, L=40, GUNMETAL
24004-241013	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 24X10 P5, D1=50, L=48, GUNMETAL
24004-301213	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 30X12 P6, D1=60, L=60, GUNMETAL

24004-401413	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 40X14 P7, D1=80, L=80, GUNMETAL
24005-100213	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 10X2, L=25, D1=25, D2=42, GUNMETAL
24005-100223	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 10X2, L=15, D1=25, D2=42, GUNMETAL
24005-100313	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 10X3, L=15, D1=25, D2=42, GUNMETAL
24005-120313	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 12X3, L=18, D1=28, D2=48, GUNMETAL
24005-120323	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 12X3, L=18, D1=28, D2=48, GUNMETAL
24005-140313	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 14X3, L=35, D1=28, D2=48, GUNMETAL
24005-140323	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 14X3, L=35, D1=28, D2=48, GUNMETAL
24005-160413	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 16X4, L=24, D1=28, D2=48, GUNMETAL
24005-160423	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 16X4, L=24, D1=28, D2=48, GUNMETAL
24005-180413	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 18X4, L=35, D1=28, D2=48, GUNMETAL
24005-180423	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 18X4, L=35, D1=28, D2=48, GUNMETAL
24005-200413	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 20X4, L=30, D1=32, D2=55, GUNMETAL
24005-200423	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 20X4, L=30, D1=32, D2=55, GUNMETAL
24005-240513	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 24X5, L=36, D1=32, D2=55, GUNMETAL
24005-240523	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 24X5, L=36, D1=32, D2=55, GUNMETAL
24005-260513	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 26X5, L=39, D1=38, D2=62, GUNMETAL
24005-260523	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 26X5, L=39, D1=38, D2=62, GUNMETAL
24005-280513	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 28X5, L=46, D1=38, D2=62, GUNMETAL
24005-280523	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 28X5, L=46, D1=38, D2=62, GUNMETAL
24005-300613	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 30X6, L=45, D1=38, D2=62, GUNMETAL
24005-300623	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 30X6, L=45, D1=38, D2=62, GUNMETAL
24005-320613	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 32X6, L=54, D1=45, D2=70, GUNMETAL
24005-320623	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 32X6, L=54, D1=45, D2=70, GUNMETAL
24005-360613	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 36X6, L=54, D1=45, D2=70, GUNMETAL
24005-360623	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 36X6, L=54, D1=45, D2=70, GUNMETAL
24005-400713	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 40X7, L=66, D1=63, D2=95, GUNMETAL
24005-400723	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 40X7, L=66, D1=63, D2=95, GUNMETAL
24005-440713	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 44X7, L=66, D1=63, D2=95, GUNMETAL
24005-440723	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 44X7, L=66, D1=63, D2=95, GUNMETAL
24005-500813	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, SINGLE START, TR 50X8, L=75, D1=72, D2=110, GUNMETAL
24005-500823	TRAPEZIODAL THREAD NUT LEFT-HAND THREAD, SINGLE START, TR 50X8, L=75, D1=72, D2=110, GUNMETAL
24006-060213	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 6X2 P1, L=15, D1=13, D2=25, GUNMETAL
24006-120613	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 12X6 P3, L=35, D1=28, D2=48, GUNMETAL
24006-160813	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 16X8 P4, L=35, D1=28, D2=48, GUNMETAL
24006-200813	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 20X8 P4, L=44, D1=32, D2=55, GUNMETAL
24006-241013	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 24X10 P5, L=44, D1=32, D2=55, GUNMETAL
24006-301213	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 30X12 P6, L=46, D1=38, D2=62, GUNMETAL
24006-401413	TRAPEZIODAL THREAD NUT RIGHT-HAND THREAD, DOUBLE-START, TR 40X14 P7, L=66, D1=63, D2=95, GUNMETAL
24011-01-11143	SPLINED HUB WITH FLANGE P=KW11X14, N=6, GUNMETAL
24011-01-13163	SPLINED HUB WITH FLANGE P=KW13X16, N=6, GUNMETAL
24011-01-16203	SPLINED HUB WITH FLANGE P=KW16X20, N=6, GUNMETAL
24011-01-18223	SPLINED HUB WITH FLANGE P=KW18X22, N=6, GUNMETAL

24011-01-21253	SPLINED HUB WITH FLANGE P=KW21X25, N=6, GUNMETAL
24011-01-23283	SPLINED HUB WITH FLANGE P=KW23X28, N=6, GUNMETAL
24011-01-26323	SPLINED HUB WITH FLANGE P=KW26X32, N=6, GUNMETAL
24011-01-32383	SPLINED HUB WITH FLANGE P=KW32X38, N=8, GUNMETAL
24011-01-36423	SPLINED HUB WITH FLANGE P=KW36X42, N=8, GUNMETAL
24011-01-42483	SPLINED HUB WITH FLANGE P=KW42X48, N=8, GUNMETAL
24011-01-46543	SPLINED HUB WITH FLANGE P=KW46X54, N=8, GUNMETAL
24011-11143	SPLINED HUB ROUND P=KW11X14, N=6, GUNMETAL
24011-13163	SPLINED HUB ROUND P=KW13X16, N=6, GUNMETAL
24011-16203	SPLINED HUB ROUND P=KW16X20, N=6, GUNMETAL
24011-18223	SPLINED HUB ROUND P=KW18X22, N=6, GUNMETAL
24011-21253	SPLINED HUB ROUND P=KW21X25, N=6, GUNMETAL
24011-23283	SPLINED HUB ROUND P=KW23X28, N=6, GUNMETAL
24011-26323	SPLINED HUB ROUND P=KW26X32, N=6, GUNMETAL
24011-32383	SPLINED HUB ROUND P=KW32X38, N=8, GUNMETAL
24011-36423	SPLINED HUB ROUND P=KW36X42, N=8, GUNMETAL
24011-42483	SPLINED HUB ROUND P=KW42X48, N=8, GUNMETAL
24011-46543	SPLINED HUB ROUND P=KW46X54, N=8, GUNMETAL

This declaration is based mainly on supplier information and material data sheets.

The standard for documentation and assessment is DIN EN IEC 63000.

If you still have questions, please contact the following department:

**Material Compliance norelem**

E-Mail: [material-compliance@norelem.de](mailto:material-compliance@norelem.de)