by Fritz Ruoss

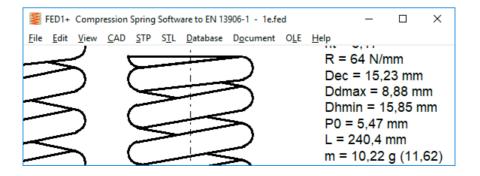
FED3+: Quick Input

6. coiling direction	>
Display Quick 3 Aux Image GEDMETRY: Torsion Spring Geometry dimensions Dimensioning Di	Drawing name Schenkelfeder Drawing number 14.27 Drawing name 2 Line 1 Berechnungsbeispiel Line 2 aus Decker Maschinenelemente Aufgaben paterial 2: EN 10270-1-SM spring steel wire pat drawn. ISO 8458-2-SM Augustation
Recalculation Dm	material 2: EN 10270-1-SM spring steel wire pat. drawn ISO 8458-2:SM surface drawn V pe of stress static or quasistatic
Pecalculation DB wire diameter d 2.5 mm coil diameter Dm 30 mm distance between coils a 0 mm number of active coils n 8.75 spring angle alpha 1 0 * spring angle alpha 2 120 *	tolerance diameter d T4 - EN 10218-2 (0.05 25 mm) v d = 2,5 ± 0.025 mm mm tolerance Dm.De.Di qual.class 2 v Dm = 30 +/ 0.642 mm mm tolerance deta0 qual.class 2 v Dm = 30 +/ 0.642 mm mm tolerance deta0 qual.class 2 v M1 = 0 +/ 362.3 Nmm mm tolerance LK0 qual.class 2 v M2 = 1003 +/ 56.00 mm Mz = 1003 +/ 56.00 mm tolerance leg length qual.class 2 v L1 ± 1.3 L2 ± 1.3 mm mm tolerance bending radius qual.class 2 v L1 ± 1.4 mm mm tolerance bending radius qual.class 2 v phi1 ± 5.060 phi2 ± 5.060 * reference v
calculation production drawing Error : Calculation successful without error mess	production compensation by no comment

In the Quick Entry, all input data has been summarized in just one dialog box. Use Calc or Enter to calculate the torsion spring and display the results in the background window.

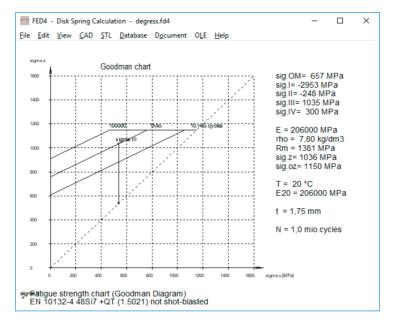
FED1, 5,6,7,17: wire mass (gross weight of the spring)

Since version 28.1, the weight of the spring has taken into account ground end coils and the abraded material has been deducted from wire weight. However, spring manufacturers need for the procurement of material also the weight of the required spring wire, therefore, the gross weight is now output in the expression in addition. In the Quick3 view, the weight of the non-ground spring is displayed in parenthesis.



FED4,9,10,13,14,15,16: Goodman diagram for spring steel strip according to EN 10132-4

For spring steel strip according to EN 10132-4 from the material database fed9wst.dbf a Goodman diagram is now displayed. The fatigue data is available from DIN 2093: 2013-12 for disc springs.



FED9,10,13,14,15,16: spring steel strip 1.4310 and 1.4368 in fed9wst.dbf

Spring strip made of stainless steel is available in various levels of tensile strength classes according to EN10151: 2002: from + C700 (Rm = 700..850MPa) to + C1900 (Rm = 1900-2200 MPa). 1.4310 is available from + C850 to + C1900, 1.4568 is available from + C1000 to + C1700, 1.4401 is available from + C700 to + C1300.

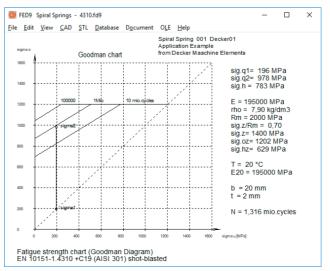
In the spring material database fed9wst.dbf the 3 stainless spring steel strips have been replaced:

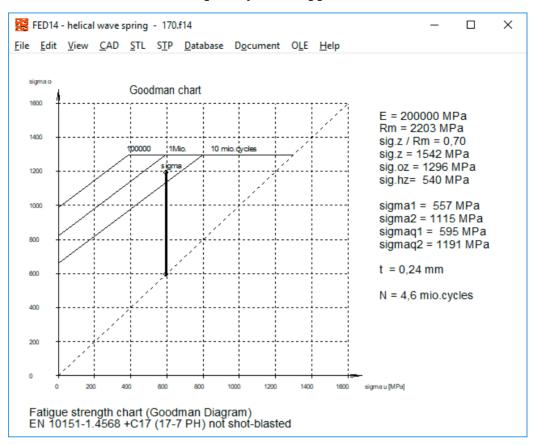
1.4310 C + T in 1.4310 + C1900

1.4568 C + T in 1.4568 + C1700

1.4401 C + T in 1.4401 + C1300

After heat treatment, the tensile strength becomes about 5% (1.4310) to 20% (1.4568) higher. The tensile strength of 1.4568 + C1700 is higher than for 1.4310 + C1900 after heat treatment. Compared to the previous data, tensile strength and fatigue strength values $\Box \Box$ for 1.4310 C + T and 1.4568 C + T are smaller for small sheet thickness. With spring steel band, the dependence of the strength values $\Box \Box$ on the strip thickness is less than with spring wire the dependence on the wire diameter.





FED14: Stress correction coefficient q for dynamic application

Similar than in the other coil spring programs, a stress correction factor q is now also used in FED14 under dynamic load. As in FED3 +, q is calculated according to Göhner: $q = 1 + 0.87 / w + 0.642 / w^2$ or with the approximation formula according to EN 13906-3: q = (w + 0.07) / (w-0.75) with the winding ratio w = Dm / b

From this, the corrected bending stresses are calculated:

Sigmaq1 = q * sigma1

Sigmaq2 = q * sigma2

In the Goodman diagram, sigmaq1 and sigmaq2 are plotted instead of sigma1 and sigma2, which results in a shorter lifetime.

FED1,2,3,5,6,7,8,11,17: Spring wire: "Roeslau extra" and "Roeslau extra-extra" in fedwst.dbf

Piano string steel spring wire "Röslau-Extra" and high-strength piano string steel spring steel wire "Röslau-Extra" were added to the spring wire material database fedwst.dbf. The tensile strength is higher than for EN 10270-1 SH. Fatigue values $\Box \Box$ are not available. Tolerance for the wire diameter corresponds to DIN 2076C.

LG1, ZAR5, WL1+: Permissible axial load for cylindircal roller bearings NUP and NJ

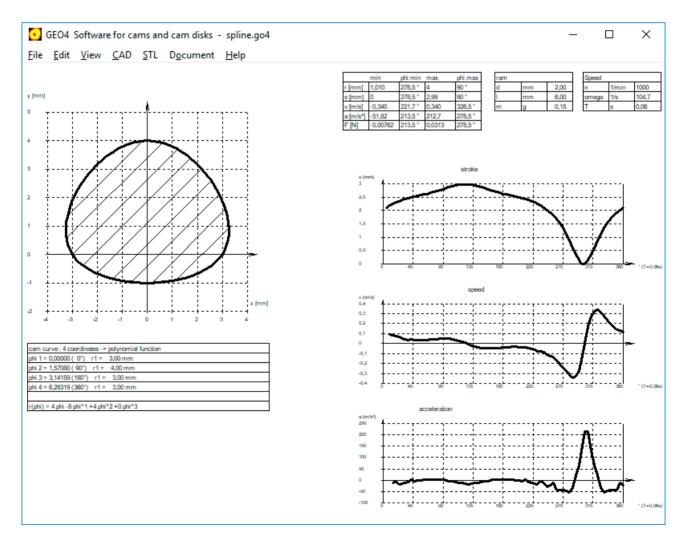
The permissible dynamic axial load capacity Faz is calculated using Faz = k1 * C0 * 1E4 / (n * (d + D))

At low speed, Faz had been overstated. In this case, a limitation to $Faz = 1.2 * D^2$ applies due to the permissible surface pressure now.

GEO4 – Spline function for cam geometry

GEO4			_			×
<u>E</u> dit						
 Polynom Cubic S 						
	phi (0360°) 0	<u>r [mm]</u> 3		4	▲ ▼	
1 2 3 4	90	4				
3	180	3		m	n <> inc	:h
4	360	3				
				ra	d <> de	g
					Save	
					Cancel	
					OK	

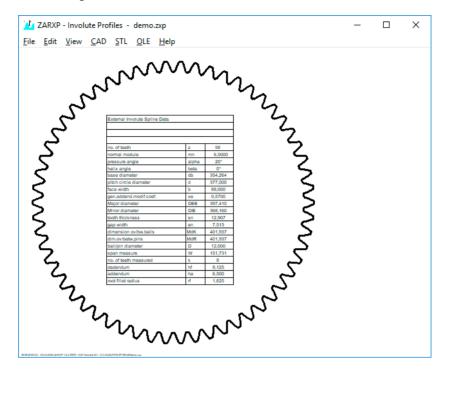
In GEO4, you can already enter the base points of the cam curve and generate a polynomial function from them. Now you can connect the entered coordinates alternatively with cubic splines. There is also a new demo version of GEO4 now at www.hexagon.de/down_e.htm.



ZARXP: face width and bore diameter added in table

In order to be able to produce the generated tooth profile as a gear wheel directly on 3D printers, the input had recently been supplemented with face width and bore diameter.

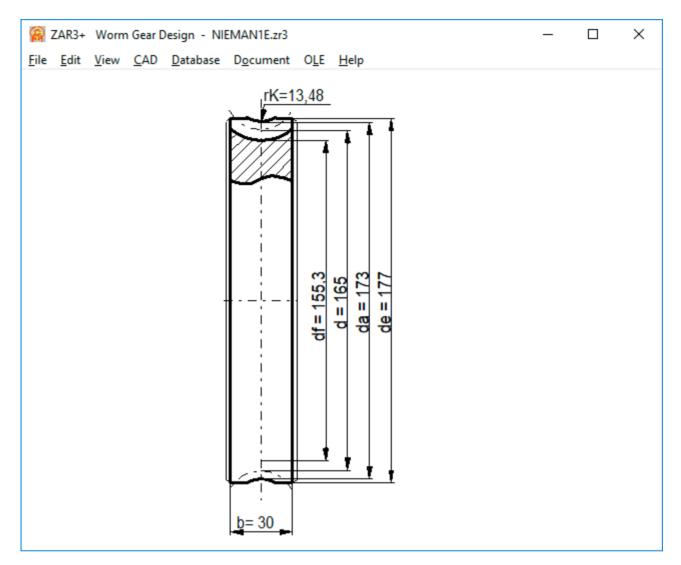
In the Quick view and in the printout, tooth width and bore diameter (or outer diameter for internal toothing) are now also output.



ZAR3+: External diameter de2 = da2 + 2 mt2

🙀 ZAR3+ Worm Gear Design	– 🗆 X
da,df = constwormworm wheelAddendum hfP0/m=ha0/m11Dedendum haP0/m=hf0/m1.21.2Root fillet radius raP0/m=rf/m00Fillet radius rfP0/m=ra/m00Profile shift x00	Worm flank form DIN 3975 2I (I) 2A (A) 2K (K) © ZN (N) ZH (C) tooth alignment ight hand
de2 = da2 + 2 m ? de2 = da2 + m	 left hand Calculation acc. DIN 3996 ? mean roughness worm Ra1 0,5 μm < ha, hf, rf ? Calc

The outer diameter de2 of the worm wheel can be entered directly or can be calculated with "de2 = da2 + mt2". The tangential modulus mt2 of the worm wheel is the axial modulus mx1 of the worm, usually designated only as modulus m. Now you can also calculate "de2 = da2 + 2 m". Since the recommended tooth width b2 of the worm wheel is also based on de2 = da2 + 2m, this is the new default setting.



ZAR3+: Tooth width b2 and wheel width bH of worm wheel

In ZAR3 + the worm wheel is drawn with the tooth width b2. In most cases, the worm wheel width b2R or b2H is greater than the tooth width b2, so now in the drawing, a wider shape of the worm wheel is indicated. The final design with chamfers and radii is left to the designer.

Tip: Updates and database modifications

An update of HEXAGON software is 10 times faster than a Windows 10 update. During the update, the new files are simply installed over the old files of the same name in the same path. It will only be complicated if you have modified databases and want to keep the changes. Then you either have to sync changed DBF files or keep your old DBF files.

If you want to extend the databases, you can also send us the data. If useful, we'll expand the .dbf files, and your data will be included in all future updates for you and all other users.

HEXAGON PRICELIST 2018-09-01

DXF-Manager Version 9.1 383 DXFPLOT V3.2 1833 FED1+ V30.6 Helical Compression Springs incl. spring database, animation, relax. 3D, 695 FED2+ V21.1 Helical Extension Springs incl. spring database, animation, relax. 100, 675 FED3+ V20.0 Helical Torsion Springs incl. spring database, animation, 3D, rectang.wire, 480 FED3 Version 16.1 Concial Compression Springs 634 FED5 Version 16.1 Concial Compression Springs 660 FED8 Version 13.7 Nonlinear Compression Springs 660 FED8 Version 13.7 Nonlinear Compression Springs 660 FED9 Version 4.3 Leaf Spring 394 FED1 Version 3.5 Spring Lock and Bushing 210 FED1 Version 2.6 Elastomer Compression Spring 220 FED1 Version 1.3 Constant Force Spring 228 FED14 Version 2.2 Helical Wave Spring 395 FED14 Version 1.3 Constant Force Spring 225 FED14 Version 1.4 Regazine Spring 226 SEC04 V1.0 Geneva Drive Mechanism Software 226 SEC04 V1.0 Geneva Drive Mechanism Software 228 SEC04 V1.0 Geneva Drive Mechanism Software 228 SEC04 V1.0 Geneva Drive Mechanism Software	PRODUCT	EUR
DXF-Manager Version 9.1 383 DXFPLOT V3.2 1233 FED1+ V30.6 Helical Compression Springs incl. spring database, animation, relax., 3D, 695 FED2+ V30.6 Helical Compression Springs incl. spring database, animation, relax., 3D, 695 FED3+ V20.0 Helical Torsion Springs incl. prod.drawing, animation, 3D, rectang.wire, 480 FED4 Version 16.1 Concial Compression Springs 634 FED5 Version 16.1 Concial Compression Springs 660 FED8 Version 6.3 Sprial Spring 660 FED8 Version 6.3 Sprial Spring 660 FED9 Version 4.3 Leaf Spring 394 FED1 Version 3.5 Spring Lock and Bushing 210 FED1 Version 2.6 Elastomer Compression Spring 220 FED14 Version 2.2 Helical Wave Spring 393 FED15 Version 1.3 Constant Force Spring 228 FED14 Version 2.2 Helical Wave Spring 395 FED14 Version 1.3 Constant Force Spring 228 FED14 Version 1.3 Constant Force Spring 225 FED14 Version 1.4 Magazine Spring 225 FED14 Version 1.4 Magazine Spring 226 FED14 Version 1.3 Constant Software 226 FEO14 V7:	DI1 Version 1.2 O-Ring Seal Software	190
FED1+ V30.6 Helical Compression Springs incl. spring database, animation, relax.30, 695 FED2+ V21.1 Helical Extension Springs incl. prod.drawing, animation, JD, rectang,wire, 480 FED3+ V20.0 Helical Torsion Springs 741 FED4 Version 16.1 Concil Compression Springs 741 FED5 Version 16.7 Nonlinear Cylindrical Compression Springs 660 FED7 Version 16.7 Nonlinear Compression Springs 660 FED8 Version 13.7 Nonlinear Compression Spring 660 FED1 Version 4.3 Leaf Spring 304 FED1 Version 4.3 Leaf Spring 500 FED1 Version 4.3 Leaf Spring 220 FED14 Version 2.6 Elastomer Compression Spring 220 FED14 Version 1.8 Leaf Spring (simple) 180 FED14 Version 1.3 Constant Force Spring 225 FED14 Version 1.7 Magazine Spring 226 FED	DXF-Manager Version 9.1	383
FED2+ V21.1 Helical Extension Springs incl. prod drawing, animation, relaxation,	DXFPLOT V 3.2	123
FED2+ V21.1 Helical Extension Springs incl. prod drawing, animation, relaxation,	FED1+ V30.6 Helical Compression Springs incl. spring database, animation, relax., 3D,	695
FED4 Version 7.7 Disk Springs 430 FED5 Version 16.1 Conical Compression Springs 741 FED5 Version 16.7 Nonlinear Cylindrical Compression Springs 634 FED7 Version 7.2 Torsion Bar 3317 FED8 Version 6.3 Spring Spring 630 FED10 Version 3.5 Spring Lock and Bushing 500 FED11 Version 3.5 Spring Lock and Bushing 220 FED12 Version 7.2 Elastomer Compression Spring 228 FED14 Version 1.4 Leaf Spring (simple) 180 FED14 Version 1.3 Constant Force Spring 228 FED14 Version 1.3 Constant Force Spring 225 FED14 Version 1.4 Leaf Spring (simple) 180 FED14 Version 1.5 Conss Section Calculation incl. profile database 294 GEO4 V5.1 Cam Software 205 GEO4 V5.1 Cam Software 205 GEO4 V5.1 Cam Software 218 GEO6 V1.0 Orenvoning Clutch Software 228 GEO4 V5.1 Cam Software 218 GEO4 V5.1 Cam Software 218 GEO6 V1.0 Oren Roll Overrunning Clutch Software 233 GEO4 V5.1 Cam Software 218 GEO4 V5.1 Cam Software 218	FED2+ V21.1 Helical Extension Springs incl. spring database, animation, relaxation,	675
FED5Version 16.1 Conical Compression Springs741FED6Version 13.7 Nonlinear Compression Springs630FED7Version 6.3 Sprial Spring394FED10Version 6.3 Sprial Spring500FED11Version 2.5 East500FED12Version 2.6 Elastomer Compression Spring220FED13Version 2.6 Elastomer Compression Spring220FED14Version 2.6 Elastomer Compression Spring220FED13Version 2.2 Helical Wave Spring395FED14Version 1.2 Leal Spring (simple)180FED14Version 1.3 Constant Force Spring225FED14Version 1.7 Magazine Spring225FEO14Version 1.7 Magazine Spring226FEO14Version 1.6 Leal Spring246FEO2V3.1 Geneva Drive Mechanism Software228FEO14Version 1.7 Magazine Spring226FEO14Version 1.2 Geneva Drive Mechanism Software238FEO15Version 1.2 Gen	FED3+ V20.0 Helical Torsion Springs incl. prod.drawing, animation, 3D, rectang.wire,	480
FED6 Version 16.7 Nonlinear Cylindrical Compression Springs634FED7 Version 13.7 Nonlinear Compression Springs660FED8 Version 7.2 Torsion Bar317FED9 Version 7.3 Diral Spring334FED10 Version 7.4 Leaf Spring500FED11 Version 7.2 Torsion Bar210FED11 Version 7.2 Torsion Bar220FED12 Version 7.2 Eastomer Compression Spring220FED13 Version 7.2 Helical Wave Spring Washers228FED14 Version 7.2 Helical Wave Spring385FED14 Version 7.2 Helical Wave Spring385FED14 Version 7.1 Constant Force Spring725SEO1+ Vr.3 Cross Section Calculation incl. profile database294GEO2 V.3.1 Rotation Bodies194GEO2 V.3.1 Rotation Bodies218SEO5 V.1.0 Geneva Drive Mechanism Software228GEO4 V.5.1 Cam Software228GEO4 V.5.1 Cam Software232GR1 V.2.1 Gear construction kit software233GC2 V.3.0 Hydrodynamicr Plain Journal Bearings460SR1 V.2.3 O Bolted Joint Design640SR1 V.2.3 O Bolted Joint Design640SR1 V.2.3 O Bolted Joint Design640SR1 V.2.3 O Bolted Joint Design757TV1 Version 4.1 Library for ISO Iderances107TR1 V6.0 Girder Calculation incl. Rel-contact Bearings465VR2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines380VR2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines380VR3 V 4.3 Involute Splines to DIN 5482245VR4 V 4.3 Involute Sp	FED4 Version 7.7 Disk Springs	430
FED6 Version 16.7 Nonlinear Cylindrical Compression Springs634FED7 Version 13.7 Nonlinear Compression Springs660FED8 Version 7.2 Torsion Bar317FED9 Version 7.3 Diral Spring334FED10 Version 7.4 Leaf Spring500FED11 Version 7.2 Torsion Bar210FED11 Version 7.2 Torsion Bar220FED12 Version 7.2 Eastomer Compression Spring220FED13 Version 7.2 Helical Wave Spring Washers228FED14 Version 7.2 Helical Wave Spring385FED14 Version 7.2 Helical Wave Spring385FED14 Version 7.1 Constant Force Spring725SEO1+ Vr.3 Cross Section Calculation incl. profile database294GEO2 V.3.1 Rotation Bodies194GEO2 V.3.1 Rotation Bodies218SEO5 V.1.0 Geneva Drive Mechanism Software228GEO4 V.5.1 Cam Software228GEO4 V.5.1 Cam Software232GR1 V.2.1 Gear construction kit software233GC2 V.3.0 Hydrodynamicr Plain Journal Bearings460SR1 V.2.3 O Bolted Joint Design640SR1 V.2.3 O Bolted Joint Design640SR1 V.2.3 O Bolted Joint Design640SR1 V.2.3 O Bolted Joint Design757TV1 Version 4.1 Library for ISO Iderances107TR1 V6.0 Girder Calculation incl. Rel-contact Bearings465VR2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines380VR2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines380VR3 V 4.3 Involute Splines to DIN 5482245VR4 V 4.3 Involute Sp	FED5 Version 16.1 Conical Compression Springs	741
FED8 Version 7.2 Torsion Bar 317. FED9 Version 6.3 Spiral Spring 334. FED10 Version 6.3 Spiral Spring 500. FED11 Version 3.5 Spring Lock and Bushing 210. FED12 Version 2.6 Elastomer Compression Spring 228. FED14 Version 2.6 Elastomer Compression Spring 228. FED14 Version 2.4 Elastomer Compression Spring 228. FED14 Version 1.6 Leaf Spring (simple) 180. FED15 Version 1.3 Constant Force Spring 225. FED14 Version 1.7 Magazine Spring 225. FED14 Version 1.7 Magazine Spring 225. GEO4 V7.1 Corss Section Calculation incl. profile database 224. GEO2 V3.1 Rotation Bodies 246. GEO4 V5.1 Cam Software 225. GEO4 V5.1 Cam Software 228. GEO4 V1.0 Geneva Drive Mechanism Software 232. GRI V2.1 Gear construction kit software 248. V2.1 Gear construction kit software 246. GI2 V45.0 Olted Joint Design GL4. SR1 V2.2.0 Bolted Joint Design GL4. SR1 V2.3.0 Bolted Joint Design GL4. SR1 V2.3.0 Bolted Joint Design	FED6 Version 16.7 Nonlinear Cylindrical Compression Springs	634
FED9 Version 8.3 Spiral Spring 394 FED10 Version 3.5 Spring Lock and Bushing 210 FED11 Version 3.5 Spring Lock and Bushing 210 FED12 Version 3.2 Elastomer Compression Spring 220 FED13 Version 4.2 Wave Spring Washers 228 FED14 Version 3.2 Lelical Wave Spring 395 FED15 Version 1.2 Constant Force Spring 225 FED17 Version 1.7 Magazine Spring 225 FED17 Version 1.7 Magazine Spring 226 SEO1+ V/7.3 Cross Section Calculation incl. profile database 224 GEO2 V3.1 Rotation Bodies 194 GEO3 V1.0 Ceneva Drive Mechanism Software 226 GEO4 V5.1 Cam Software 228 GEO4 V1.0 Floch Roll Overrunning Clutch Software 232 GEO4 V1.0 Geneva Drive Mechanism Software 238 GEO5 V1.0 Geneva Drive Mechanism Software 238 GEO4 V3.1 Gear construction kit software 383 GEO4 V3.1 Gear construction kit software 383 GEO4 V3.1 Olerance Analysis 506 TOL1 V12.0 Tolerance Analysis 506 TOL2 Version 1.1 Tolerance Analysis 506 TOL2 Version 1.2.0	FED7 Version 13.7 Nonlinear Compression Springs	660
FED10 Version 4.3 Leaf Spring 500 FED11 Version 3.5 Spring Lock and Bushing 210 FED12 Version 2.6 Elastomer Compression Spring 220 FED13 Version 2.6 Helastomer Compression Spring 228 FED14 Version 2.2 Helical Wave Spring Washers 228 FED14 Version 1.3 Leaf Spring (simple) 180 FED16 Version 1.3 Constant Force Spring 225 GEO1 + V7.3 Cross Section Calculation incl. profile database 224 GEO2 V3.1 Rotaine Bodies 194 GEO3 V3.3 Hertzian Pressure 226 GEO4 V5.1 Cam Software 228 GEO4 V5.1 Cam Software 218 GEO6 V1.0 Geneva Drive Mechanism Software 232 GR1 V2.1 Gear construction kit software 185 FOGL-Manager Version 9.1 383 LG1 V6.6 Roll-Contact Bearings 296 GL2 V3.0 Hydrodynamic Plain Journal Bearings 460 SR1 V23.0 Botted Joint Design 640 SR1 V23.0 Botted Joint Design 757 <	FED8 Version 7.2 Torsion Bar	317
FED10 Version 4.3 Leaf Spring 500 FED11 Version 3.5 Spring Lock and Bushing 210 FED12 Version 2.6 Elastomer Compression Spring 220 FED13 Version 2.2 Helical Wave Spring 395 FED14 Version 2.2 Helical Wave Spring 395 FED15 Version 1.3 Leaf Spring (simple) 180 FED14 Version 1.7 Magazine Spring 225 GEO1+ V7.3 Cross Section Calculation incl. profile database 294 GEO2 V3.1 Rotation Bodies 194 GEO4 V5.1 Cam Software 265 GEO4 V5.1 Cam Software 286 GEO5 V1.0 Ceneva Drive Mechanism Software 286 GEO4 V5.1 Cam Software 286 GEO4 V1.0 Pinch Roll Overrunning Clutch Software 286 GEO4 V1.0 Pinch Roll Overrunning Clutch Software 286 GEO4 V1.0 Vertick Bearings 296 GEO4 V1.0 Pinch Roll Overrunning Clutch Software 480 SR1 V2.1 Gear construction kit software 480 SR1 V2.3 Delted Joint Design 460 SR1 V2.3 Delted Joint Design 460 SR1 V2.3 Delted Joint Design 506 TOLPASS V4.1 Library for ISO tolerances 107	FED9 Version 6.3 Spiral Spring	394
FED12 Version 2.6 Elastomer Compression Spring 220 FED13 Version 4.2 Wave Spring Washers 228 FED14 Version 2.2 Helical Wave Spring 335 FED15 Version 1.6 Leaf Spring (simple) 180 FED16 Version 1.7 Magazine Spring 725 GE014 Version 1.7 Magazine Spring 725 GE014 Vorsion 1.7 Magazine Spring 725 GE014 Vorsion 1.7 Magazine Spring 725 GE014 Vorsion 1.7 Magazine Spring 725 GE04 V.3 Rotation Bodies 194 GE02 V3.1 Rotation Bodies 294 GE04 V5.1 Cam Software 205 GE05 V1.0 Ceneva Drive Mechanism Software 218 GF06 V1.0 Pinch Roll Overrunning Clutch Software 383 GE1 V6.1 Geneva Drive Mechanism Software 188 GE2 V3.0 Hydrodynamic Plain Journal Bearings 296 G2 V3.0 Hydrodynamic Plain Journal Bearings 296 G2 V3.0 Hydrodynamic Plain Journal Bearings 400 SR1 V23.0 Bolted Joint Design 640 SR1 V23.0 Bolted Joint Design incl. Flange calculation 750 TOL V3.0 Tolerance Analysis 495 TOLPASS V4.1 Library for ISO tolerances <td>FED10 Version 4.3 Leaf Spring</td> <td>500</td>	FED10 Version 4.3 Leaf Spring	500
FED12 Version 2.6 Elastomer Compression Spring 220 FED13 Version 4.2 Wave Spring Washers 228 FED14 Version 2.2 Helical Wave Spring 335 FED15 Version 1.6 Leaf Spring (simple) 180 FED16 Version 1.7 Magazine Spring 725 GE014 Version 1.7 Magazine Spring 725 GE014 Vorsion 1.7 Magazine Spring 725 GE014 Vorsion 1.7 Magazine Spring 725 GE014 Vorsion 1.7 Magazine Spring 725 GE04 V.3 Rotation Bodies 194 GE02 V3.1 Rotation Bodies 294 GE04 V5.1 Cam Software 205 GE05 V1.0 Ceneva Drive Mechanism Software 218 GF06 V1.0 Pinch Roll Overrunning Clutch Software 383 GE1 V6.1 Geneva Drive Mechanism Software 188 GE2 V3.0 Hydrodynamic Plain Journal Bearings 296 G2 V3.0 Hydrodynamic Plain Journal Bearings 296 G2 V3.0 Hydrodynamic Plain Journal Bearings 400 SR1 V23.0 Bolted Joint Design 640 SR1 V23.0 Bolted Joint Design incl. Flange calculation 750 TOL V3.0 Tolerance Analysis 495 TOLPASS V4.1 Library for ISO tolerances <td></td> <td>210</td>		210
FED13 Version 4.2 Wave Spring Washers 228 FED14 Version 2.2 Helical Wave Spring 395 FED15 Version 1.6 Leaf Spring (simple) 180 FED15 Version 1.3 Constant Force Spring 725 GE01+ V7.3 Cross Section Calculation incl. profile database 294 GE02 V3.1 Rotation Bodies 194 GE03 V3.3 Hertzian Pressure 205 GE04 V5.1 Cam Software 265 GE05 V1.0 Geneva Drive Mechanism Software 218 GE06 V1.0 Inch Roll Overrunning Clutch Software 232 GE10 V2.1 Gear construction kit software 233 GE04 V5.1 Cam Software 333 GE04 V5.1 Cans Delect Joint Bearings 460 SR1 V2.1 Gear construction kit software 333 GE04 V5.1 Cans Delect Joint Design incl. Flange calculation 750 SR1 V23.0 Bolted Joint Design incl. Flange calculation 750 SR1 V23.0 Bolted Joint Design incl. Flange calculation 750 TR1 V23.0 Bolted Joint ISo Ulorances 107 TR1 V6.0 Girder Calculation 757 W14 version 1.2.0 Cylindrical and Conical Press Fits 485 WN2 V10.1 Involute Splines to DIN 5480 256 <td></td> <td>220</td>		220
FED14 Version 2.2 Helical Wave Spring 395 FED15 Version 1.6 Leaf Spring (simple) 180 FED16 Version 1.3 Constant Force Spring 225 SE011 V Vr.3 Cross Section Calculation incl. profile database 294 GEO2 V3.1 Rotation Bodies 194 GEO2 V3.1 Rotation Bodies 194 GEO2 V5.1 Cam Software 265 GEO4 V5.1 Cam Software 265 GEO5 V1.0 Geneva Drive Mechanism Software 218 GEO6 V1.0 Geneva Drive Mechanism Software 185 GFO6 V1.0 Geneva Drive Mechanism Software 185 GFO6 V1.0 Geneva Drive Mechanism Software 185 GFO6 V1.0 Geneva Drive Mechanism Software 186 GFO1 V2.1 Gear construction kil software 185 GFO4 V1.0 Finch Roll Overrunning Clutch Software 185 GFO4 V1.0 Finch Roll Overrunning Clutch Software 186 GFO2 V3.0 Hydrodynamic Plain Journal Bearings 460 SR1 V23.0 Bolted Joint Design 640 V12.0 Tolerance Analysis		228
FED15 Version 1.6 Leaf Spring (simple) 180 FED16 Version 1.3 Constant Force Spring 225. FED17 Version 1.7 Magazine Spring 725. GEO1+ V7.3 Cross Section Calculation incl. profile database 294. GEO2 V3.1 Rotation Bodies 194. GEO2 V3.1 Arbitan Bodies 194. GEO2 V3.1 Herzian Pressure 205. GEO4 V5.1 Cam Software 206. GEO4 V5.1 Cam Software 218. GEO6 V1.0 Geneva Drive Mechanism Software 218. GEO6 V1.0 Geneva Drive Mechanism Software 232. GR1 V2.1 Gear construction kit software 233. GI2 V6.6 Roll-Contact Bearings 296. GI2 V2.0 Hydrodynamic Plain Journal Bearings 460. SR1 V23.0 Bolted Joint Design incl. Flange calculation 750. T0L1 V12.0 Tolerance Analysis 506. T0L2 Version 4.1 Tolerance Analysis 506. T0L4 V41.0 Tolerance Analysis 507. T0L4 V41.1 Involute Splines to DIN 5480 and non-standard involute splines 380. WN2 + V10.1 Involute Splines to DIN 5480 and non-standard involute splines 380. WN2 + V10.1 Involute Splines to DIN 5480 and non-standard involute	FED14 Version 2.2 Helical Wave Spring	395
FED16 Version 1.3 Constant Force Spring 225 FED17 Version 1.7 Magazine Spring 725 FED17 Version 1.7 Magazine Spring 725 SEC1+ V7.3 Cross Section Calculation incl. profile database 294 GE02 V3.1 Rotation Bodies 194 GE03 V5.1 Cam Software 205 GE04 V5.1 Cam Software 285 GE05 V1.0 Geneva Drive Mechanism Software 218 GE04 V5.1 Gear construction kit software 185 HPGL-Manager Version 9.1 383 LG1 V6.6 Roll-Contact Bearings 296 C2 V3.0 Hydrodynamic Plain Journal Bearings 460 SR1 V2.1 Oelerance Analysis 640 SR1 V2.3.0 Bolted Joint Design 640 SR1 V23.0 Bolted Joint Design incl. Flange calculation 750 TOLP V32.0 Tolerance Analysis 495 TOL2 Version 4.1 Tolerance Analysis 495 TOL2 Version 12.0 Cylindricat on UN 757 W11 + V21.2 Shaft Calculation incl. Roll-contact Bearings 945 WN2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines 380 WN2 V 10.1 Involute Splines to DIN 5480 and non-standard involute splines 380		180
FED17 Version 1.7 Magazine Spring725.GEO11+ V7.3 Cross Section Calculation incl. profile database294.GEO2 V3.1 Rotation Bodies194.GEO2 V3.1 Rotation Bodies205.GEO4 V5.1 Cam Software205.GEO4 V5.1 Cam Software218.GEO5 V1.0 Geneva Drive Mechanism Software218.GEO4 V2.1 Geneva Drive Mechanism Software232.GR1 V2.1 Gear construction kit software383.LG1 V6.6 Roll-Contact Bearings296.LG2 V3.0 Hydrodynamic Plain Journal Bearings460.SR1 V23.0 Bolted Joint Design640.SR1 V23.0 Bolted Joint Design incl. Flange calculation750.TOL1 V12.0 Tolerance Analysis506.TOL2 Version 4.1 Tolerance Analysis506.TOL2 Version 4.1 Tolerance Analysis757.W11 + V21.2 Shaft Calculation incl. Roll-contact Bearings445.WN2 V10.1 Involute Splines to DIN 5480250.WN3 V 5.4 Parallel Key Joints to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 5480 and non-standard involute splines380.WN4 V 4.8 Involute Splines to DIN 5480 and non-standard involute splines380.WN4 V 4.8 Involute Splines to DIN 5480 and non-standard involute splines380.WN5 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN5 V 4.8 Involute Splines to DIN 5480 and non-standard involute splines380.WN4 V 4.8 Involute Splines to DIN 5482260.WN5 V 4.8 Involute Spli		225
GED1+ V7.3 Cross Section Calculation incl. profile database 294. GEO2 V3.1 Rotation Bodies 194. GEO2 V3.3 Herizian Pressure 205. GEO4 V5.1 Cam Software 265. GEO5 V1.0 Geneva Drive Mechanism Software 218. GEO5 V1.0 Drinch Roll Overrunning Clutch Software 232. GR1 V2.1 Gear construction kit software 185. HPGL-Manager Version 9.1 383. LG1 V6.6 Roll-Contact Bearings 460. SR1 V2.3 O Bolted Joint Design 640. SR1 V2.3 O Bolted Joint Design incl. Flange calculation 750. TOL1 V12.0 Tolerance Analysis 506. TOL2 Version 4.1 Tolerance Analysis 506. TOL2 Version 4.1 Tolerance Analysis 507. TOL2 Version 4.1 Tolerance Analysis 640. WN1 Version 12.0 Cylindrical and Conical Press Fits 445. WN2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines 380. WN3 V 5.4 Parallel Key Joints to DIN 6485, ANSI B17.1, DIN 6892. 245. WN4 V 4.8 Involute Splines to DIN 5480 and non-standard involute splines 380. WN3 V 5.4 Parallel Key Joints to DIN 6485, ANSI B17.1, DIN 6892. 245. WN4 V 3.1 Polygon Profiles P4C to DIN 32711 <t< td=""><td>FED17 Version 1.7 Magazine Spring</td><td>725</td></t<>	FED17 Version 1.7 Magazine Spring	725
GE02 V3.1 Rotation Bodies 194. GE03 V3.3 Hertzian Pressure 205. GE04 V5.1 Cam Software 265. GE05 V1.0 Geneva Drive Mechanism Software 218. GE06 V5.1 O Pinch Roll Overrunning Clutch Software 232. GR1 V2.1 Gear construction kit software 185. HPGL-Manager Version 9.1 383. LG1 V6.6 Roll-Contact Bearings 296. LG2 V3.0 Hydrodynamic Plain Journal Bearings 460. SR1 V2.3.0 Bolted Joint Design 640. SR1 V2.0 Bolted Joint Design incl. Flange calculation 750. TOL1 V12.0 Tolerance Analysis 506. TOL2 Version 4.1 Tolerance Analysis 506. TOL2 Version 12.0 Cylindrical and Conicat Bearings 945. WN1 Version 12.0 Cylindrical and Conical Press Fits 485. WN1 Version 12.0 Cylindrical and Conical Press Fits 485. WN2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines 380. WN3 V 5.4 Parallel Key Joints to DIN 8685, ANSI B17.1, DIN 6892 245. WN4 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M 256. WN4 V 4.8 Involute Splines to DIN 5480 170. WN5 V 3.1 Polygon Profiles P36 to DIN 32712 175. <t< td=""><td></td><td>294</td></t<>		294
GEO3 V3.3 Hertzian Pressure 205. GEO4 V5.1 Cam Software 265. GEO5 V1.0 Geneva Drive Mechanism Software 218. GEO5 V1.0 Pinch Roll Overrunning Clutch Software 232. GR1 V2.1 Gear construction kit software 185. HPGL-Manager Version 9.1 383. LG2 V3.0 Hydrodynamic Plain Journal Bearings 460. SR1 V2.1 Oblet Joint Design 640. SR1 V2.3.0 Bolted Joint Design incl. Flange calculation 750. TOL1 V12.0 Tolerance Analysis 506. TOL2 Version 4.1 Tolerance Analysis 640. TOL2 Version 4.1 Tolerance Analysis 640. TN1 V6.0 Girder Calculation 757. W11+ V21.2 Shaft Calculation incl. Roll-contact Bearings 945. WN2 V10.1 Involute Splines to DIN 5480 250. WN2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines 380. WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892 245. WN4 V 4.8 Involute Splines to ANSI B 92.1 276. WN5 V 4.8 Involute Splines to DIN 5480 and ANSI B 92.2 M 255. WN6 V 3.1 Polygon Profiles P3G to DIN 32711 180. WN7 V 3.1 Polygon Pro		194
GEO4 V5.1 Cam Software 265. GEO5 V1.0 Geneva Drive Mechanism Software 218. GEO6 V1.0 Pinch Roll Overrunning Clutch Software 232. GR1 V2.1 Gear construction kit software 185. HPGL-Manager Version 9.1 383. LG1 V6.6 Roll-Contact Bearings 296. LG2 V3.0 Hydrodynamic Plain Journal Bearings 460. SR1 V23.0 Bolted Joint Design 640. SR1 V23.0 Bolted Joint Design incl. Flange calculation 750. TOL1 V12.0 Tolerance Analysis 506. TOL2 Version 4.1 Tolerance Analysis 495. W14 V21.2 Shaft Calculation incl. Roll-contact Bearings 945. WN1 Version 12.0 Cylindrical and Conical Press Fits 485. WN2+ V10.1 Involute Splines to DIN 5480 and non-standard involute splines 380. WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892 245. WN4 V 4.8 Involute Splines to ANSI B 92.1 276. WN5 V 4.8 Involute Splines to DIN 5480 and ANSI B 92.2 M 255. WN5 V 3.1 Polygon Profiles P3G to DIN 32711 180. <td></td> <td>205</td>		205
GE05 V1.0 Geneva Drive Mechanism Software 218. GE06 V1.0 Pinch Roll Overrunning Clutch Software 232. GR1 V2.1 Gear construction kit software 185. HPGL-Manager Version 9.1 383. L61 V6.6 Roll-Contact Bearings 296. L62 V3.0 Hydrodynamic Plain Journal Bearings 460. SR1 V23.0 Bolted Joint Design 640. SR1 V23.0 Bolted Joint Design incl. Flange calculation 750. TOL1 V12.0 Tolerance Analysis 506. TOL2 Version 4.1 Tolerance Analysis 495. TOLPASS V4.1 Library for ISO tolerances 107. TR1 V6.0 Girder Calculation incl. Roll-contact Bearings 945. WN1 Version 12.0 Cylindrical and Conical Press Fits 485. WN2 V10.1 Involute Splines to DIN 5480 250. WN2 V 10.1 Involute Splines to DIN 5480 and non-standard involute splines 380. WN4 V 4.8 Involute Splines to ANSI B 92.1 276. WN5 V 4.8 Involute Splines to DIN 32711 180. WN7 V3.1 Polygon Profiles P3G to DIN 32712 175. WN8 V 2.3 Serration to DIN 5481 195. WN8 V 2.4 Involute Splines - dimensions, graphic, measure 236. WN1V		
GEO6 V1.0 Pinch Roll Overrunning Clutch Software232GR1 V2.1 Gear construction kit software185HPGL-Manager Version 9.1383LG1 V6.6 Roll-Contact Bearings296LG2 V3.0 Hydrodynamic Plain Journal Bearings460SR1 V23.0 Bolted Joint Design incl. Flange calculation750TOL1 V12.0 Tolerance Analysis506TOL2 Version 4.1 Tolerance Analysis495TOLPASS V4.1 Library for ISO tolerances107TR1 V6.0 Girder Calculation757W14 V21.2 Shaft Calculation incl. Roll-contact Bearings945WN1 Version 12.0 Cylindrical and Conical Press Fits485WN2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines380WN3 V 5.4 Parallel Key Joints to DIN 5480 and non-standard involute splines380WN3 V 5.4 Parallel Key Joints to DIN 5486 and ANSI B 92.2 M2255WN4 V 4.8 Involute Splines to ANSI B 92.1276WN5 V 3.1 Polygon Profiles P3G to DIN 32711180WN1 V 3.1 Polygon Profiles P3G to DIN 32712175WN1 V 3.2 Sprine Shafts to DIN 15482260WN1 V 1.3 Woodruff Key Joints240WN1 V 1.4 Rev Splines to DIN 5482266WNX V 2.1 Serration Splines - dimensions, graphic, measure235ZAR1 + V 2.3 Spline Shafts to DIN 5482266WNX V 2.1 Serration Splines - dimensions, graphic, measure235ZAR1 + V 2.3 Spline Shafts to DIN 5482266WXX V 2.1 Serration Splines - dimensions, graphic, measure235ZAR1 + V 2.3 Spline Bevel Gears to KlingeInberg792ZAR3 V9.1 Cylind		218
GR1 V2.1 Gear construction kit software 185. HPGL-Manager Version 9.1 383. LG1 V6.6 Roll-Contact Bearings 296. LG2 V3.0 Hydrodynamic Plain Journal Bearings 460. SR1 V23.0 Bolted Joint Design 640. SR1 V23.0 Bolted Joint Design incl. Flange calculation 750. TOL1 V12.0 Tolerance Analysis 506. TOL2 Version 4.1 Tolerance Analysis 495. TOLPASS V4.1 Library for ISO tolerances 107. TR1 V6.0 Girder Calculation 757. WL1 + V21.2 Shaft Calculation incl. Roll-contact Bearings 945. WN1 Version 12.0 Cylindrical and Conical Press Fits 485. WN2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines 380. WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892 245. WN4 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M 225. WN5 V 4.8 Involute Splines to IN 32711 180. WN1 V 3.1 Polygon Profiles P3G to DIN 32712 175. WN8 V 2.3 Serration to DIN 5481 195. WN8 V 2.3 Spline Shafts to DIN 1SO 14 170. WN1 V 1.4 Ixoudute Splines - dimensions, graphic, measure 375. WNX V 2.1 Serration Splines - dimensions, graphic, measure </td <td></td> <td>232</td>		232
HPGL-Manager Version 9.1 383. LG1 V6.6 Roll-Contact Bearings 296 LG2 V3.0 Hydrodynamic Plain Journal Bearings 460 SR1 V23.0 Bolted Joint Design 640 SR1 V23.0 Bolted Joint Design incl. Flange calculation 750. TOL1 V12.0 Tolerance Analysis 506. TOL2 Version 4.1 Tolerance Analysis 506. TOL2 Version 4.1 Tolerance Analysis 107. TR1 V6.0 Girder Calculation 757. WL1+ V21.2 Shaft Calculation incl. Roll-contact Bearings 945. WN2 V10.1 Involute Splines to DIN 5480 250. WN2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines 380. WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892 245. WN4 V 4.8 Involute Splines to AISE B 92.1 276. WN5 V 4.8 Involute Splines to AISE and ANSI B 92.2 M 255. WN5 V 3.1 Polygon Profiles P3G to DIN 32711 180. WN1 V 1.3 Involute Splines to DIN 5482 260. WN1 V 3.1 Polygon Profiles P3G to DIN 32712 175. WN8 V 2.3 Serration to DIN 5481 195. WN1 V 1.3 Woodruff Key Joints 240. WN1 V 1.4 Involute Splines - dime		185
LG1 V6.6 Roll-Contact Bearings296.LG2 V3.0 Hydrodynamic Plain Journal Bearings460.SR1 V23.0 Bolted Joint Design640.SR1+ V23.0 Bolted Joint Design incl. Flange calculation750.TOL1 V12.0 Tolerance Analysis506.TOL2 Version 4.1 Tolerance Analysis495.TOLPASS V4.1 Library for ISO tolerances107.TR1 V6.0 Girder Calculation incl. Roll-contact Bearings945.W11+ V21.2 Shaft Calculation incl. Roll-contact Bearings945.WN1 Version 12.0 Cylindrical and Conical Press Fits485.WN2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 685, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Spline Shafts to DIN 5481195.WN1 V 1.3 Woodruff Key Joints240.WN1 V 1.1 Involute Splines to DIN 5482260.WN1 V 1.2 Involute Splines on DIN 5482260.WN1 V 2.3 Spline Shafts to DIN 1542235.WN4 V 3.1 Polygon Profiles P.4 (to DIN 5482260.WN1 V 1.1 Race Splines236.WN1 V 2.1 Involute Splines on DIN 5482260.WN1 V 2.2 Involute Splines - dimensions, graphic, measure375.WNX V 2.1 Serration Splines - dimensions, graphic, measure235.ZAR1 V 2.6 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gea		383
LG2 V3.0 Hydrodynamic Plain Journal Bearings460.SR1 V23.0 Bolted Joint Design640SR1 + V23.0 Bolted Joint Design incl. Flange calculation750.TOL1 V12.0 Tolerance Analysis506.TOL2 Version 4.1 Tolerance Analysis495.TOLPASS V4.1 Library for ISO tolerances107.TR1 V6.0 Girder Calculation incl. Roll-contact Bearings945.WN1 Version 12.0 Cylindrical and Conical Press Fits485.WN2 V10.1 Involute Splines to DIN 5480250.WN2 V 10.1 Involute Splines to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN5 V 4.8 Involute Splines to NSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WN12 V 1.1 Face Splines to DIN 5482260.WN12 V 1.1 Splines to DIN 5482260.WN11 V 1.2 Involute Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WS11 V 10.2 Material Database235.ZAR3 + V9.1 Cylindrical Worm Gears260.ZAR3 + V9.1 Cylindrical Worm Gears260.ZAR3 + V9.1 Cylindrical Worm Gears260.ZAR3 + V9.1 Cylindrical Worm Gears260.ZAR5 + V1.7 Planetary Gears620.ZAR4 V6.0 Non-circular Spur Gears620.Z		296
SR1 V23.0 Bolted Joint Design640.SR1+ V23.0 Bolted Joint Design incl. Flange calculation750.TOL1 V12.0 Tolerance Analysis506.TOL2 Version 4.1 Tolerance Analysis495.TOLPASS V4.1 Library for ISO tolerances107.TR1 V6.0 Girder Calculation757.WL1+ V21.2 Shaft Calculation incl. Roll-contact Bearings945.WN1 Version 12.0 Cylindrical and Conical Press Fits485.WN2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P3G to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WN21 V 1.1 Face Splines - dimensions, graphic, measure235.WNX V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1 V 26.3 Spur and Helical Gears1115.ZAR3 V 9.1 Cylindrical Worm Gears620.ZAR4 V 6.0 Non-circular Spure Gears620.ZAR5 V1.7 Planetary Gears620.ZAR5 V1.7 Planetary Gears620.ZAR5 V1.7 Planetary Gears620.		460
SR1+ V23.0 Bolted Joint Design incl. Flange calculation750.TOL1 V12.0 Tolerance Analysis506.TOL2 Version 4.1 Tolerance Analysis495.TOLPASS V4.1 Library for ISO tolerances107.TR1 V6.0 Girder Calculation757.WL1+ V21.2 Shaft Calculation incl. Roll-contact Bearings945.WN1 Version 12.0 Cylindrical and Conical Press Fits485.WN2 V10.1 Involute Splines to DIN 5480250.WN3 V 5.4 Parallel Key Joints to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 6855, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN10 V 4.2 Involute Splines to DIN 5481195.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints2440.WNX V 2.1 Serration Splines - dimensions, graphic, measure375.WNXV 2.1 Serration Splines - dimensions, graphic, measure375.WXX V 2.1 Serration Splines - dimensions, graphic, measure235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1610.ZAR5 V11.7 Planetary Gears1610.		640
TOL1 V12.0 Tolerance Analysis506.TOL2 Version 4.1 Tolerance Analysis495.TOLPASS V4.1 Library for ISO tolerances107.TR1 V6.0 Girder Calculation757.WL1+ V21.2 Shaft Calculation incl. Roll-contact Bearings945.WN1 Version 12.0 Cylindrical and Conical Press Fits485.WN2 V10.1 Involute Splines to DIN 5480250.WN2 V10.1 Involute Splines to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WN12 V 1.1 Face Splinesdimensions, graphic, measureWNXK V 2.1 Serration Splines - dimensions, graphic, measure375.WXK V 2.1 Serration Splines - dimensions, graphic, measure235.ZAR1 + V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3 V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1615.		750
TOL2 Version 4.1 Tolerance Analysis495.TOLPASS V4.1 Library for ISO tolerances107.TR1 V6.0 Girder Calculation757.WL1+ V21.2 Shaft Calculation incl. Roll-contact Bearings945.WN1 Version 12.0 Cylindrical and Conical Press Fits485.WN2 V10.1 Involute Splines to DIN 5480250.WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481915.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints2440.WN12 V 1.1 Face Splines3graphic, measureWNXK V 2.1 Serration Splines - dimensions, graphic, measure235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears620.ZAR5 V11.7 Planetary Gears1610.ZAR5 V11.7 Planetary Gears1355.		506
TR1 V6.0 Girder Calculation757.WL1+ V21.2 Shaft Calculation incl. Roll-contact Bearings945.WN1 Version 12.0 Cylindrical and Conical Press Fits485.WN2 V10.1 Involute Splines to DIN 5480250.WN2+ V10.1 Involute Splines to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN8 V 2.3 Serration to DIN 5481195.WN9 V 2.3 Spline Shafts to DIN 1SO 14170.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WN12 V 1.1 Face Splines256.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST 1 V 10.2 Material Database235.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3 + V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.	TOL2 Version 4.1 Tolerance Analysis	495
WL1+ V21.2 Shaft Calculation incl. Roll-contact Bearings945.WN1 Version 12.0 Cylindrical and Conical Press Fits485.WN2 V10.1 Involute Splines to DIN 5480250.WN2+ V10.1 Involute Splines to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN9 V 2.3 Spline Shafts to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WN12 V 1.1 Face Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears620.ZAR5 V11.7 Planetary Gears1355.	TOLPASS V4.1 Library for ISO tolerances	107
WN1 Version 12.0 Cylindrical and Conical Press Fits485.WN2 V10.1 Involute Splines to DIN 5480250.WN2+ V10.1 Involute Splines to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WNXE V 2.1 Involute Splines - dimensions, graphic, measure375.WNX V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.	TR1 V6.0 Girder Calculation	757
WN1 Version 12.0 Cylindrical and Conical Press Fits485.WN2 V10.1 Involute Splines to DIN 5480250.WN2+ V10.1 Involute Splines to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WNXE V 2.1 Involute Splines - dimensions, graphic, measure375.WNX V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.	WL1+ V21.2 Shaft Calculation incl. Roll-contact Bearings	945
WN2+ V10.1 Involute Splines to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN9 V 2.3 Spline Shafts to DIN ISO 14170.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WNXE V 2.1 Serration Splines - dimensions, graphic, measure375.WXXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.	WN1 Version 12.0 Cylindrical and Conical Press Fits	485
WN2+ V10.1 Involute Splines to DIN 5480 and non-standard involute splines380.WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN9 V 2.3 Spline Shafts to DIN ISO 14170.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WNXE V 2.1 Serration Splines - dimensions, graphic, measure375.WXXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.	WN2 V10.1 Involute Splines to DIN 5480	250
WN3 V 5.4 Parallel Key Joints to DIN 6885, ANSI B17.1, DIN 6892245.WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN9 V 2.3 Spline Shafts to DIN ISO 14170.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WNXK V 2.1 Serration Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		380
WN4 V 4.8 Involute Splines to ANSI B 92.1276.WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN9 V 2.3 Spline Shafts to DIN ISO 14170.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WNXE V 2.2 Involute Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1355.		245
WN5 V 4.8 Involute Splines to ISO 4156 and ANSI B 92.2 M255.WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN9 V 2.3 Spline Shafts to DIN ISO 14170.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WNXE V 2.2 Involute Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		276
WN6 V 3.1 Polygon Profiles P3G to DIN 32711180.WN7 V 3.1 Polygon Profiles P4C to DIN 32712175.WN8 V 2.3 Serration to DIN 5481195.WN9 V 2.3 Spline Shafts to DIN ISO 14170.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WN12 V 1.1 Face Splines256.WNXK V 2.1 Serration Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		255
WN8 V 2.3 Serration to DIN 5481195.WN9 V 2.3 Spline Shafts to DIN ISO 14170.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WN12 V 1.1 Face Splines256.WNXE V 2.2 Involute Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.	WN6 V 3.1 Polygon Profiles P3G to DIN 32711	180
WN8 V 2.3 Serration to DIN 5481195.WN9 V 2.3 Spline Shafts to DIN ISO 14170.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WN12 V 1.1 Face Splines256.WNXE V 2.2 Involute Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		175
WN9 V 2.3 Spline Shafts to DIN ISO 14170.WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WN12 V 1.1 Face Splines256.WNXE V 2.2 Involute Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		195
WN10 V 4.2 Involute Splines to DIN 5482260.WN11 V 1.3 Woodruff Key Joints240.WN12 V 1.1 Face Splines256.WNXE V 2.2 Involute Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.	WN9 V 2.3 Spline Shafts to DIN ISO 14	170
WN11 V 1.3 Woodruff Key Joints240.WN12 V 1.1 Face Splines256.WNXE V 2.2 Involute Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		260
WN12 V 1.1 Face Splines256.WNXE V 2.2 Involute Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		240
WNXE V 2.2 Involute Splines - dimensions, graphic, measure375.WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		256
WNXK V 2.1 Serration Splines - dimensions, graphic, measure230.WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		375
WST1 V 10.2 Material Database235.ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		230
ZAR1+ V 26.3 Spur and Helical Gears1115.ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792.ZAR3+ V9.1 Cylindrical Worm Gears620.ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.	WST1 V 10.2 Material Database	235
ZAR2 V8.0 Spiral Bevel Gears to Klingelnberg792ZAR3+ V9.1 Cylindrical Worm Gears620ZAR4 V6.0 Non-circular Spur Gears1610ZAR5 V11.7 Planetary Gears1355		1115
ZAR3+ V9.1 Cylindrical Worm Gears620ZAR4 V6.0 Non-circular Spur Gears1610ZAR5 V11.7 Planetary Gears1355		792
ZAR4 V6.0 Non-circular Spur Gears1610.ZAR5 V11.7 Planetary Gears1355.		620
ZAR5 V11.7 Planetary Gears 1355.		1610
		1355
	ZAR6 V4.0 Straight/Helical/Spiral Bevel Gears	585

ZAR7 V1.5 Plus Planetary Gears	1380
ZAR7 V1.5 Plus Planetary Gears	1360
ZAR8 V1.4 Ravigneaux Planetary Gears	1950
ZARXP V2.4 Involute Profiles - dimensions, graphic, measure	275
ZAR1W V2.1 Gear Wheel Dimensions, tolerances, measure	450
ZM1.V2.5 Chain Gear Design	326

PACKAGES	EUR		
	EUR		
HEXAGON Mechanical Engineering Package (TOL1, ZAR1+, ZAR2, ZAR3+, ZAR5, ZAR6, WL1+, WN1,			
WN2+, WN3, WST1, SR1+, FED1+, FED2+, FED3+, FED4, ZARXP, TOLPASS, LG1, DXFPLOT, GEO1+,	0 500		
TOL2, GEO2, GEO3, ZM1, WN6, WN7, LG2, FED12, FED13, WN8, WN9, WN11, DI1, FED15, WNXE,	8,500		
GR1)			
HEXAGON Mechanical Engineering Base Package (ZAR1+, ZAR3+, ZAR5, ZAR6, WL1+, WN1, WST1,	4 000		
SR1+, FED1,+, FED2+, FED3+)	4.900,-		
HEXAGON Spur Gear Package (ZAR1+ and ZAR5)	1,585		
HEXAGON Planetary Gear Package (ZAR1+, ZAR5, ZAR7, ZAR8, GR1)	3,600		
HEXAGON Involute Spline Package (WN2+, WN4, WN5, WN10, WNXE)			
HEXAGON Graphic Package (DXF-Manager, HPGL-Manager, DXFPLOT)	741		
HEXAGON Helical Spring Package (FED1+, FED2+, FED3+, FED5, FED6, FED7)	2,550		
HEXAGON Complete Spring Package (FED1+, FED2+, FED3+, FED4, FED5, FED6, FED7, FED8, FED9,	4,985		
FED10, FED11, FED12, FED13, FED14,, FED15, FED16, FED17)	,		
HEXAGON Tolerance Package (TOL1, TOL1CON, TOL2, TOLPASS)	945		
HEXAGON Complete Package (All Programs)	12,900		

Quantity Discount for Individual Licenses

Licenses	2	3	4	5	6	7	8	9	>9
Discount %	25%	27.5%	30%	32.5%	35%	37.5%	40%	42.5%	45%

Network Floating License

Licenses	1	2	3	4	5	6	78	911	>11
Discount/Add.cost	-50%	-20%	0%	10%	15%	20%	25%	30%	35%
(Negative Discount means additional cost)									

(Negative Discount means additional cost)

Language Version:

- German and English : all Programs
- French: FED1+, FED2+, FED3+, FED4, FED5, FED6, FED7, FED9, FED10, FED13, FED14, FED15, TOL1, TOL2.
- Italiano: FED1+, FED2+, FED3+, FED4, FED5, FED6, FED7, FED9, FED13, FED14, FED17.
- Swedish: FED1+, FED2+, FED3+, FED5, FED6, FED7.
- Portugues: FED1+, FED17
- Spanish: FED1+, FED2+, FED3+, FED17

Updates:

Update prices	EUR
Software Update (software Win32/64 + pdf manual)	40
Software Update (software 64-bit Win + pdf manual)	50

Update Mechanical Engineering Package: 800 EUR, Update Complete Package: 1000 EUR **Maintenance contract** for free updates: annual fee: 150 EUR + 40 EUR per program

Hexagon Software Network Licenses

Floating License in the time-sharing manner by integrated license manager Individual licenses may not be installed in a network!

Conditions for delivery and payment

General packaging and postage costs for delivery on CD-ROM: EUR 60, (EUR 25 inside Europe) Delivery by Email or download (zip file, manual as pdf files): EUR 0. Conditions of payment: bank transfer in advance with 2% discount, or by credit card (Master, Visa) net.

Key Code

After installation, software has to be released by key code. Key codes will be sent after receipt of payment.

HEXAGON Industriesoftware GmbH

Stiegelstrasse 8	D-73230 K	irchheim	Tel. +49 7021 59	578, Fax +49 7021 59986
Kieler Strasse 1A	D-10115	Berlin	Mühlstr. 13	D-73272 Neidlingen
Mobile: +49 163 7	7342509	E-Mail: info	@hexagon.de	Web: http://www.hexagon.de