



PRECISION GROUND BALL SCREWS

2021

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EDITION 2021

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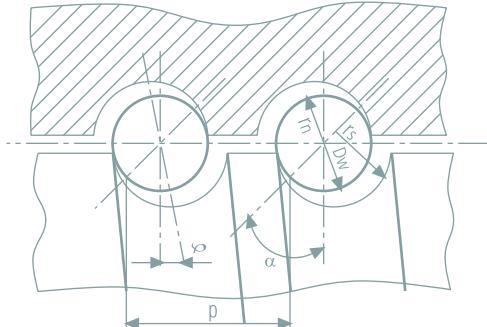


CHARACTERISTICS

THREAD PROFILE

The thread profile is a spiral-shaped groove in the spindle and nut. The two main types of profile are gothic ogive and rounded.

In the gothic profile, the normal cross-section is shaped like a gothic ogive arch. BSG ball screws are manufactured with a carefully-designed thread crosssection, to obtain the maximum load capacity. The two races, spindle and nut, have a gothic ogive thread.



MATERIALS HARDNESS

BSG ball screws are manufactured with special tempered steels which guarantee maximum performance.

BALL RETURN

The ball-recirculation system returns the ball after completing their circuit to the starting point.

The ball circuit is a closed worm- screw race for the balls.

- along a route from thread to thread (radial type)
- along more than one route (axial type)

ELEMENT	MATERIAL - EQUIVALENCES				TREATMENT	HARDNESS HRc
	UNE	DIN	AISI	AFNOR		
SCREW	F-1252	42 Cr Mo4	4140	42CD4	INDUCTION HARDENING	58 ÷ 62
NUT	F-1582	17 Cr Mn Ni Mo4	—	8NCD6	CASE HARDENING AND TEMPERING	60 ÷ 62
BALL	—	100 Cr 6	52100	100 Cr 6	—	62 ÷ 65

THREAD PROTECTORS OR JOINING ELEMENTS

These are sealing elements in close contact with the thread of the ball screw which prevent the entry of dust in the nut or lubricants from leaking.

CALCULATIONS



LOAD CAPACITIES

Dynamic Axial Load Coefficient C_a

according to UNE-ISO 3408 standard

The dynamic axial load coefficient C_a for a ball screw is a centered axial load which has invariable magnitude and direction which theoretically can support the ball screw for a nominal working life of 10^6 revolutions.

Static Axial Load Coefficient C_{oa}

according to UNE-ISO 3408 standard

The static axial load coefficient C_{oa} is a static load with an axial, centered affect which corresponds to a total permanent deformation of balls or ball races of $0.0001 \times$ ball diameter in the area of contact of balls or ball races which are subject to the greatest load.

Service Life

according to UNE-ISO 3408 standard

Service Life L is the number of revolutions which a nut [or screw] makes with respect to the screw [or nut] before the first symptoms of material fatigue appear in one of the two parts or in the surrounding housing. Nominal service life L_{10} for each ball screw separately or for each group of ball screws working under identical conditions, in the service life which is reached with 90% of probabilities.

$$L_{10} = \left(\frac{C_a}{F_m} \right)^3 \cdot 10^6 \text{ [revolutions]} \quad L_h = \frac{L_{10}}{n_m \cdot f_n \cdot 60} \text{ [hours]}$$

$$C_a = 0,01 \cdot \sqrt[3]{L_h \cdot F_m^3 \cdot n_m \cdot f_n \cdot 60}$$

L_{10} = Duration of nominal life (revolutions)

f_n = Use factor

L_h = Duration of nominal life (hours)

$f_n = \frac{\text{Screw operation}}{\text{Machine operation}}$

C_a = Dynamic load capacity (N)

F_m = Average load (N)

n_m = Average speed (min⁻¹)

$f_n \approx 0.25 \div 0.75$ [in machine tool]

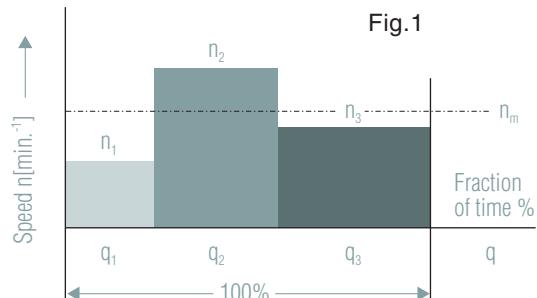
VELOCITY AND AVERAGE

according to UNE-ISO 3408 standard

In the case of a variable number of revolutions and loads, the equivalent number of revolutions n_m and the equivalent dynamic axial load F_m , must be determined to calculate working life.

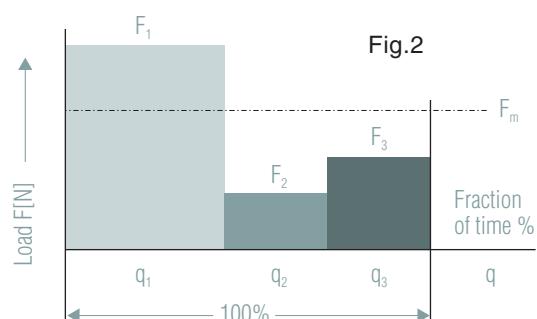
- In the case of variable number of revolutions and constant load, proceed in accordance with the following equation to determine the number of equivalent revolutions n_m , (see Fig.1.)

$$n_m = \frac{q_1}{100} \cdot n_1 + \frac{q_2}{100} \cdot n_2 + \dots \text{ [min}^{-1}\text{]}$$



- In the case of a variable loads and constant revolutions, the equivalent dynamic axial load F_m . (see Fig.2.).

$$F_m = \sqrt[3]{F_1^3 \cdot \frac{q_1}{100} + F_2^3 \cdot \frac{q_2}{100} + \dots \text{ [N]}}$$



- In the case of variable loads and revolutions, the equivalent dynamic axial load is determined as follows:

$$F_m = \sqrt[3]{F_1^3 \cdot \frac{n_1}{n_m} + F_2^3 \cdot \frac{n_2}{n_m} + \dots \text{ [N]}}$$

CALCULATIONS

PERFORMANCE

The degree of mechanical performance in ball screws is very high, almost 100%, due to the low friction coefficient in view of the rolling action which exists between the different elements. The chart shows the difference in performance between the ball screw and the ratchet thread screw.

TORQUE - DRIVING POWER

When designing a machine, one of the important factors is the torque required for driving the spindles.

When the turning torque is converted into linear movement, the required turning torque is given by the following equation:

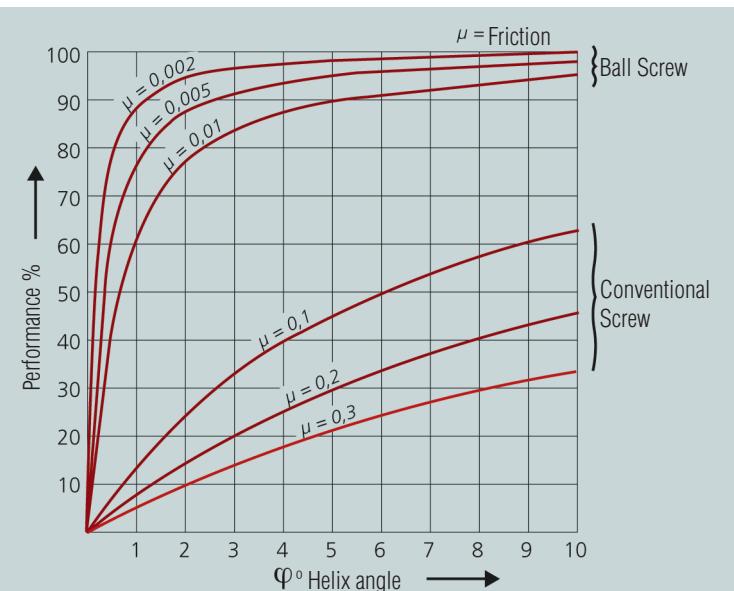
$$T_a = \frac{F_{\max} \cdot P \cdot S}{2000 \cdot \pi \cdot \eta} \quad [\text{Nm}]$$

When the linear movement is converted into turning torque , the turning torque generated is as follows:

$$T_e = \frac{F_a \cdot P \cdot S \cdot \eta}{2000 \cdot \pi} \quad [\text{Nm}]$$

The required driving power:

$$P_a = \frac{T_a \cdot n}{9550} \quad [\text{Nm}]$$



T_a = Torque required (Nm)

T_e = Torque produced (Nm)

F_{\max} = Load at maximum point (N)

F_a = Force applied (N)

P = Thread pitch (mm)

S = Safety factor (1.25÷2)

η = Mechanical performance (0.85)

η' = Mechanical performance (<0.7)

P_a = Torque (Kw)

n = Turning velocity (min.-1)

CRITICAL VELOCITY

It is necessary to control the control the critical turning velocity in each ball screw application.

The critical velocity of a ball screw is in accordance with its diameter, unsupported screw length and the types of supports. By varying the system of supports , the critical velocity will vary.

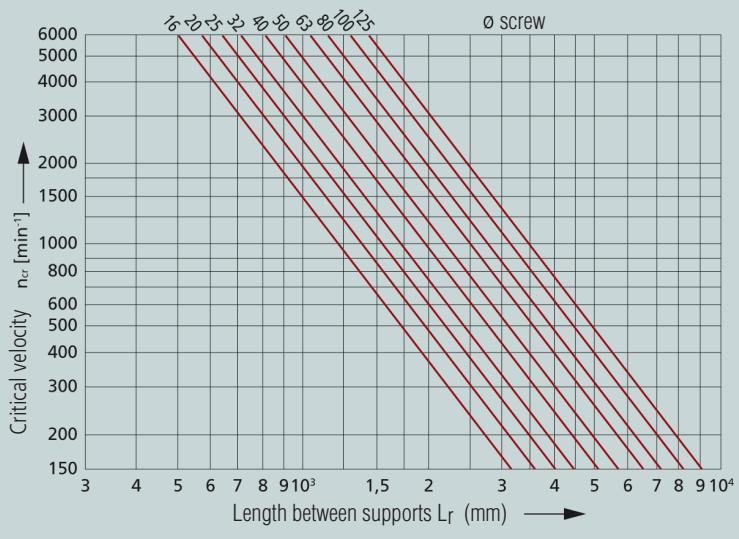
The working velocity must not exceed 80% of the critical velocity.

$$n_{\max} = n_{cr} \cdot f_c \cdot 0,8$$

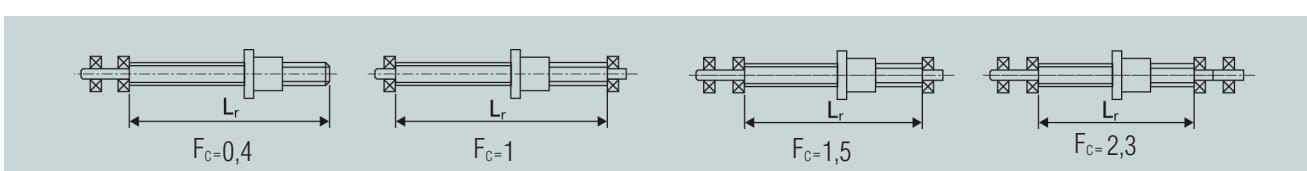
n_{\max} = Maximum velocity (min^{-1})

n_{cr} = Critical velocity (min^{-1})

f_c = Correction factor according to supports



CRITICAL VELOCITY DIAGRAM



COLUMN LOAD

When a compression load acts on a ball screw, this may be subject to deformations.

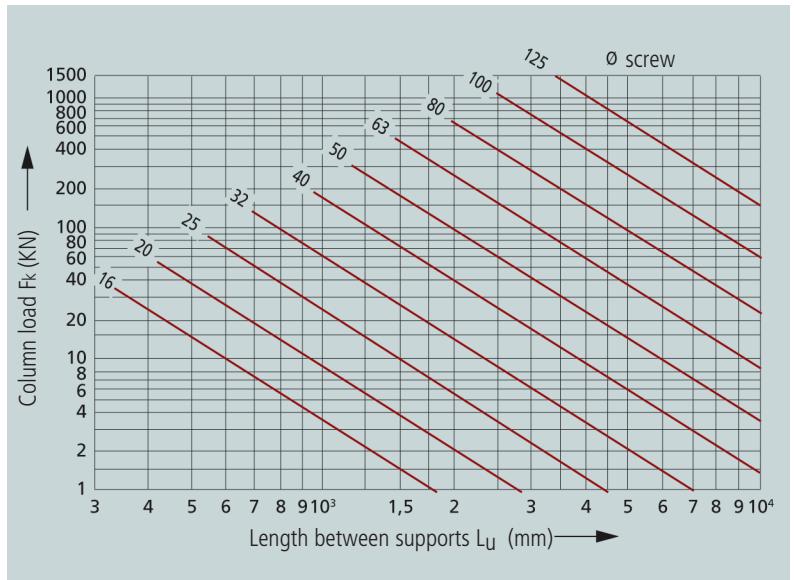
The compression load which a ball screw can bear depends on its diameter, length and the type of supports. By varying the system of supports, the column load capacity will vary.

The column load can be determined by using the diagram, to which a correction factor corresponding to the type of support is applied.

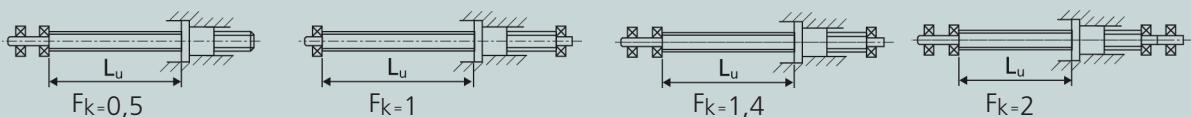
The maximum permitted column load must not exceed 80% of the column load.

$$F_{\max} = F_k \cdot F_k \cdot 0,8$$

- F_{\max} = Maximum load permitted $\leq C_{\text{oa}}$ (KN)
- F_k = Column load (KN)
- F_k = Correction factor according to supports



COLUMN LOAD DIAGRAM



PRE - LOAD

In single-nut ball screws, there is axial play between the balls and rolling points. In many cases it is necessary to eliminate this play to increase positioning accuracy and the rigidity of the unit, by pre-loading two nuts.

To avoid a reduction of life, the pre-loading must not be greater than 1/3 of the average working load F_m .

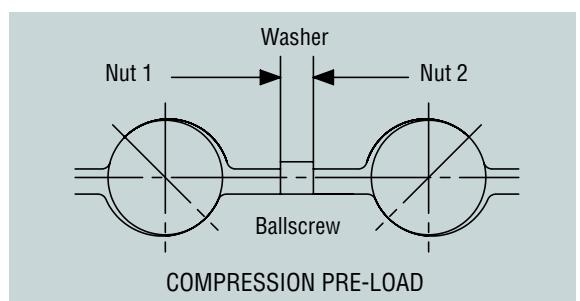
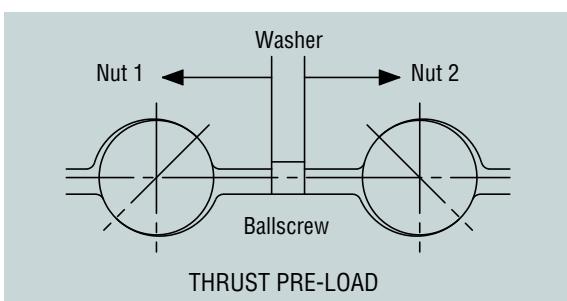
If the customer does not indicate otherwise, BSG ball screws are supplied with a standardised pre-load equal to 8% of the dynamic load C_a .

TYPES OF PRE - LOAD

A pre-load can be applied to nuts both in thrust and compression. The thrust pre-load is obtained by inserting a washer between the two nuts, forcing them apart. The increase in the pre-load is obtained by increasing the thickness of the washer. Temperature increases produce a reduction of the pre-load.

In compressing pre-load, the nuts are joined together by inserting a washer.

The lower the washer thickness, the greater the pre-load will be. Temperature increases produce a reduction of the pre-load.



CALCULATIONS

AXIAL RIGIDITY

Rigidity is the ratio which exists between the load applied and the deformation produced.

$$R = \frac{F}{\delta}$$

The total rigidity of a ball screw is the sum of different individual rigidities (ball screws, bearing-carrier supports, etc.)

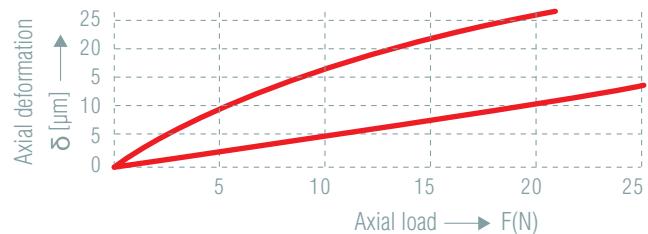
The influence of all these values must be taken into consideration. The axial rigidity of a ball screw consists of the following factors.

R_H = Screw rigidity

R_T = Nut rigidity

R_B = Rigidity of balls in the area of contact

R_{TB} = Rigidity of the set of nuts



δ = Deformation produced (μm)

F = Load applied (N)

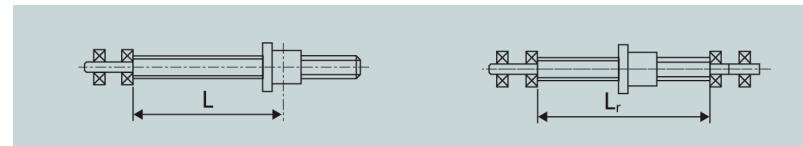
R = Rigidity of the assembly ($\text{N}/\mu\text{m}$)

A = Without pre-load

B = With pre-load

SCREW RIGIDITY R_H

This is linear in behaviour and can be calculated according to Hooke's law of elasticity. There are different assembly possibilities which we have grouped into basic types.



A = Screw section (mm^2)

E = Elasticity module ($21 \cdot 10^4 \text{ N/mm}^2$)

L & L_r = Length between supports (mm)

RIGID MOUNTING AT ONE END

$$R_H = \frac{A \cdot E}{L \cdot 10^3} \quad [\text{N}/\mu\text{m}]$$

RIGID MOUNTING AT BOTH ENDS

$$R_H = \frac{4 \cdot A \cdot E}{L_r \cdot 10^3} \quad [\text{N}/\mu\text{m}]$$

RIGIDITY OF THE NUT - R_T

Due to the different equations for nuts, it is difficult to adopt an exact determination. Basically, this is calculated, as in the case.

RIGIDITY OF BALLS IN THE CONTACT AREA - R_B

This is calculated by means of Hertz's theory of the deformation of contact.

These values are indicated in the dimension tables.

RIGIDITY OF THE NUT ASSEMBLY - R_{TB}

This is used to replace R_T and R_B . According to the assembly and the construction of the unit, it results that:

$$R_{TB} \approx 0,6 \div 0,8 \cdot R_B \quad [\text{N}/\mu\text{m}]$$

TOTAL RIGIDITY OF THE BALL SCREW ASSEMBLY - R

$$\frac{1}{R} = \frac{1}{R_H} + \frac{1}{R_T} + \frac{1}{R_B} + \frac{1}{R_H} + \frac{1}{R_{TB}}$$

$$R = \frac{R_H \cdot R_{TB}}{R_H + R_{TB}} \quad [\text{N}/\mu\text{m}]$$

EXAMPLES OF CALCULATIONS

FIRST EXAMPLE:

CALCULATION OF SERVICE LIFE

Ball screw D_p = 52.1 mm
Pitch = 10 mm

$$q_1 = 10\%$$

$$q_2 = 40\%$$

$$q_3 = 50\%$$

$$n_1 = 20 \text{ min}^{-1}$$

$$n_2 = 40 \text{ min}^{-1}$$

$$n_3 = 100 \text{ min}^{-1}$$

$$F_1 = 45000 \text{ N}$$

$$F_2 = 30000 \text{ N}$$

$$F_3 = 10000 \text{ N}$$

The service life of the machine must be 30,000 hours for an operational life of the screw of 60%

AVERAGE REVOLUTIONS:

By means of the formula we have: $n_m = 20 \cdot \frac{10}{100} + 40 \cdot \frac{40}{100} + 100 \cdot \frac{50}{100} = 68 \text{ min}^{-1}$ $n_m = n_1 \cdot \frac{q_1}{100} + n_2 \cdot \frac{q_2}{100} + n_3 \cdot \frac{q_3}{100} = \dots \text{ min}^{-1}$

AVERAGE LOAD:

As the load and revolutions are variable we apply the formula and have:

$$F_m = \sqrt[3]{45000^3 \cdot \frac{20}{68} \cdot \frac{10}{100} + 30000^3 \cdot \frac{40}{68} \cdot \frac{40}{100} + 10000^3 \cdot \frac{100}{68} \cdot \frac{50}{100}} = 9026 \text{ N}$$

$$F_m = \sqrt[3]{F_1^3 \cdot \frac{n_1}{n_m} \cdot \frac{q_1}{100} + F_2^3 \cdot \frac{n_2}{n_m} \cdot \frac{q_2}{100} + \dots \text{ in N}}$$

SERVICE LIFE L₁₀ IN NUMBER OF REVOLUTIONS:

We have: $L_h = \frac{L_{10}}{n_m \cdot f_n \cdot 60} \quad [\text{h}]$

Hours of machine operation = $L_h \cdot \frac{\text{Machine operation Life}}{\text{Screw Operation life}}$
 $L_h = 30000 \cdot \frac{60}{100} = 18000 \text{ hours}$ $L_{10} = 18000 \cdot 60 \cdot 68 = 73,44 \times 10^6 \text{ revolutions}$

DYNAMIC LOAD CAPACITY:

$$L_{10} = \left(\frac{C_a}{F_m} \right)^3 \cdot 10^6 \quad \text{where} \quad C_a = F_m \cdot \sqrt[3]{\frac{L_{10}}{10^6}}$$

$$C_a = 9026 \cdot \sqrt[3]{\frac{73,44 \cdot 10^6}{10^6}} = 37798 \text{ N} \quad L_{10} = \left(\frac{C_a}{F_m} \right)^3 \cdot 10^6$$

By referring to the technical data cards we can see that a screw of D_p 52.1 mm is required. Pitch=10 with 3 circuits with a dynamic load capacity of 42600 N.

$$L_{10} = \left(\frac{42600}{9026} \right)^3 \cdot 10^6 = 105,13 \cdot 10^6 \text{ revolutions}$$

Check: Once the screw has been selected, we calculate life in hours with respect to the dynamic load capacity of the selected screw.

$$L_h = \frac{105,13 \cdot 10^6}{60 \cdot 68} = 26000 \text{ hours} \quad L_h = \frac{L_{10}}{60 \cdot n_m}$$

As can be seen, the life in hours of the selected screw is greater than the required life in hours.

SECOND EXAMPLE:

CALCULATION OF RIGIDITY

Pitch diameter	D _p = 52,1mm
Pitch	P = 10 mm
Number of circuits	c = 3
Dynamic Load	C _a = 42600 N
Average Load	F _m = 14201 N
Length between supports	L _F = 1100 mm

RIGIDITY OF THE NUTS ASSEMBLY

where $R_{TB} = 0,6 \div 0,8 R_B$ $R_{TB} = 0,8 \cdot 970 = 776 \text{ N}/\mu\text{m}$

RIGIDITY OF THE SCREW BETWEEN SUPPORTS

Rigid mounting at both ends. $R_H = \frac{4 \cdot A \cdot E}{L_r \cdot 10^3} \quad [\text{N}/\mu\text{m}]$ $R_H = \frac{4 \cdot 1963 \cdot 21 \cdot 10^4}{1100 \cdot 10^3} = 1499 \text{ N}/\mu\text{m}$

TOTAL RIGIDITY $R = \frac{R_H \cdot R_{TB}}{R_H + R_{TB}} \quad [\text{N}/\mu\text{m}]$ $R = \frac{1499 \cdot 776}{1499 + 776} = 511 \text{ N}/\mu\text{m}$



TOLERANCES

PITCH DEVIATION TOLERANCES

according to UNE-ISO 3408 standard

Tolerance categories 1, 3, 5, 7 and 10 have been envisaged to correspond to the requirements of each case (see Table V 300p).

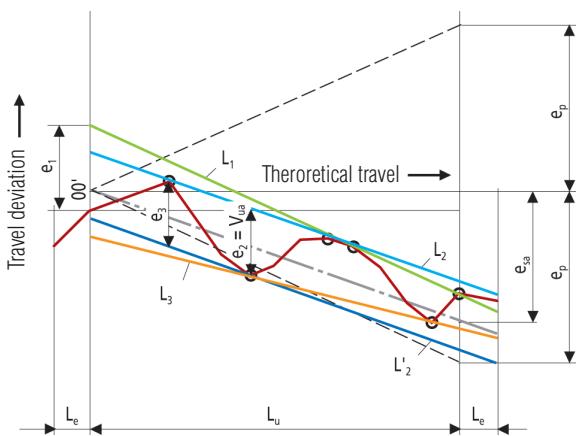
In accordance with functional requirements, a difference is drawn between positioning or transport ball screws.

- **POSITIONING BALL SCREW** is a thrust screw which with its travel deviation arrangement can measure axial travels indirectly by means of the turning angle.

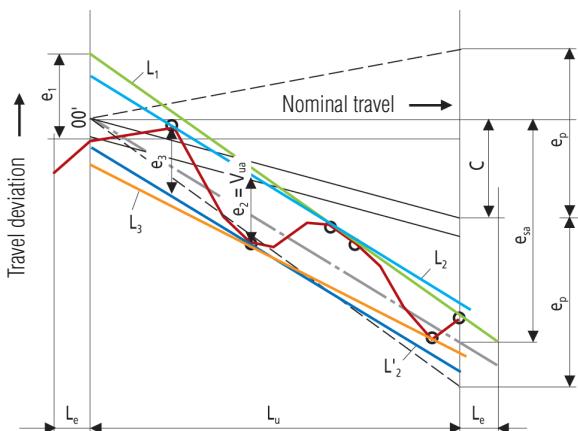
- **TRANSPORTER BALL SCREW** is a thrust screw arranged with its travel deviations so that for the measurement of the axial movement a separate measuring system is required and must be independent of the turning angle.

The determination of the travel oscillation tolerance within V2 a is made by means of 9 measurements (8x45°) for each turn or in a continuous manner on an initial pitch in the centre and at the end of the working length, whenever this control is especially agreed.

Graph 1



Graph 2



ANALYSIS OF MEASUREMENT DIAGRAMS

In order to determine the average effective deviation within the working travel, the mathematical procedure is exact according to the definition. In practice, the graphical, rapid procedure is recommended for analysis as the customary method of approach.

MATHEMATICAL PROCEDURE

The straight line of the average deviation of the effective travel is given by the general equation:

$$y = a + bx \quad \text{with} \quad a = \frac{\sum X_i^2 \cdot \sum Y_i - \sum X_i \cdot \sum X_i Y_i}{n \cdot \sum X_i^2 - (\sum X_i)^2}$$

and

$$\text{where} \quad b = \frac{n \cdot \sum X_i Y_i - \sum X_i \cdot \sum Y_i}{n \cdot \sum X_i^2 - (\sum X_i)^2}$$

x = turning angle (theoretical or nominal travel).

x_i = turning angle (travel) of the theoretical or nominal travel.

y = deviation of the course (travel) of the theoretical or nominal travel.

y_i = deviation of the course (travel) of the theoretical or nominal travel for the turning angle (or travel) of the measuring point i .

n = number of measuring points.

GRAPHICAL PROCEDURE

The determination of the average deviation of the effective travel, based on the travel deviation diagram is done as follows (see graphs 1 and 2).

a - One or two straight lines (L_1, L_2, \dots) are drawn which must touch at least two points above the effective travel deviation curve, repeating this operation for the lower points. (L_3, \dots).

b - The maximum distance (e_1, e_2, e_3, \dots) between straight lines L_1, L_2 and L_3 of the effective travel deviation curve is determined in each case by choosing the minimum distance between them. On graphs 1 and 2 this will be distance e_2 .

c - Through this point of the minimum distance and in a parallel manner to the corresponding straight line, another straight line is drawn. Here it will be L_2' parallel to L_2 .

d - Now we have the effective average deviation e_{sa} or e_{oa} as a central line between these two parallel straight lines (L_2, L_2') and the width of the travel oscillation band V_{ua} on the working travel Lu as the distance from the parallel lines.

$$L_e = D_p$$

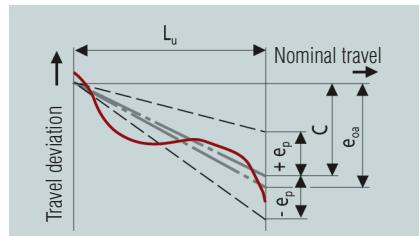
PITCH DEVIATION TOLERANCES

according to UNE-ISO 3408 standard

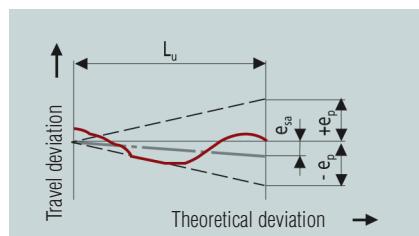
Positioning Ball screws		e _p in µm for Tolerance class				
L _u	Up to	1	3	5	7	10
More than -	315	6	12	23	-	-
315	400	7	13	25	-	-
400	500	8	15	27	-	-
500	630	9	16	30	-	-
630	800	10	18	35	-	-
800	1000	11	21	40	-	-
1000	1250	13	24	46	-	-
1250	1600	15	29	54	-	-
1600	2000	18	35	65	-	-
2000	2500	22	41	77	-	-
2500	3150	26	50	93	-	-
3150	4000	32	62	115	-	-
4000	5000	-	76	140	-	-
5000	6300	-	-	170	-	-

Average effective travel deviation on working travel L_u

- a) e_{oa} with respect to the nominal travel
- b) e_{sa} with respect to the theoretical travel



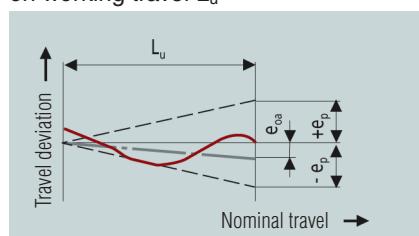
C = Compensation according to user's indications



Transporter Ball screws				
e _p in µm for Tolerance class				
1	3	5	7	10
1	3	5	7	10

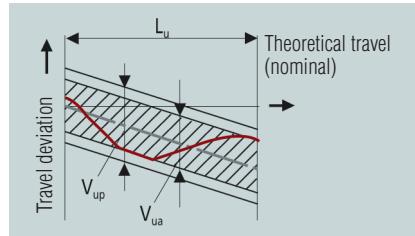
$e_p = \frac{L_u}{300} V_{300p}$

Average effective travel deviation e_{oa} on working travel L_u



Positioning Ball screws		V _{ua} in µm for Tolerance class				
L _u	Up to	1	3	5	7	10
More than -	315	6	12	23	-	-
315	400	6	12	25	-	-
400	500	7	13	26	-	-
500	630	7	14	29	-	-
630	800	8	16	31	-	-
800	1000	9	17	35	-	-
1000	1250	10	19	39	-	-
1250	1600	11	22	44	-	-
1600	2000	13	25	51	-	-
2000	2500	15	29	59	-	-
2500	3150	17	34	69	-	-
3150	4000	21	41	82	-	-
4000	5000	-	49	99	-	-
5000	6300	-	-	119	-	-

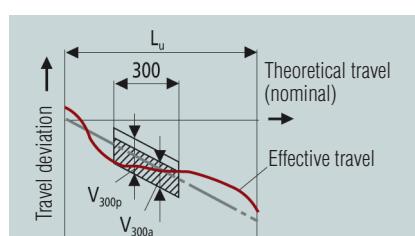
Travel oscillation V_{ua} on working travel L_u



Transporter and Positioning Ball screws

V _{300p} in µm for Tolerance class				
1	3	5	7	10
6	12	23	52	210

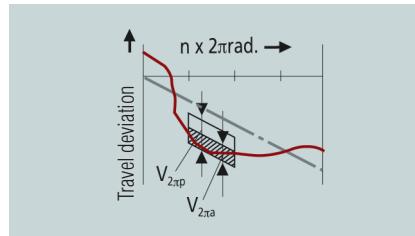
Travel oscillation V_{300a} over 300mm axial travel



Positioning Ball screws

V _{2πp} in µm for Tolerance class				
1	3	5	7	10
4	6	8	-	-

Travel oscillation V_{2πa} within 2π rad.
(1 rurm) Theoretical travel (nominal)



TURNING TORQUE TOLERANCE

Transporter and Positioning Ball screws

for $\frac{L_u}{D_p} \leq 40$; $L_u \leq 4000$

T _{pro} in Nm	ΔT _{prp} in % of T _{pro} for Tolerance class	1	3	5	7	10
0,2	0,4	35	40	50	-	-
0,4	0,6	25	40	40	-	-
0,6	1,0	25	30	35	40	-
1,0	2,5	20	25	30	35	-
2,5	6,3	15	20	25	30	-
6,3	10,0	-	15	20	30	-

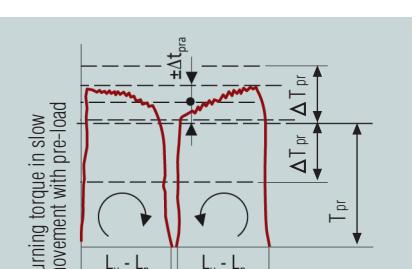
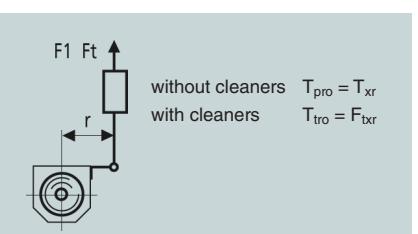
for $\frac{L_u}{D_p} \leq 60$; $L_u \leq 4000$

T _{pro} in Nm	ΔT _{prp} in % of T _{pro} for Tolerance class	1	3	5	7	10
0,2	0,4	40	50	60	-	-
0,4	0,6	33	40	45	-	-
0,6	1,0	30	35	40	45	-
1,0	2,5	25	30	35	40	-
2,5	6,3	20	25	30	35	-
6,3	10,0	-	20	25	35	-

for $L_u > 4000$

T _{pro} in Nm	ΔT _{prp} in % of T _{pro} for Tolerance class	1	3	5	7	10
-	Not determined	-	-	-	-	-
0,6	1,0	-	40	45	50	-
1,0	2,5	-	35	40	45	-
2,5	6,3	-	30	35	40	-
6,3	10,0	-	25	30	35	-

Limit deviation ΔT_{prp} for turning pair in slow movement T_{proT} with pre-load.



$L_u = L_n$ = working travel minus nut length

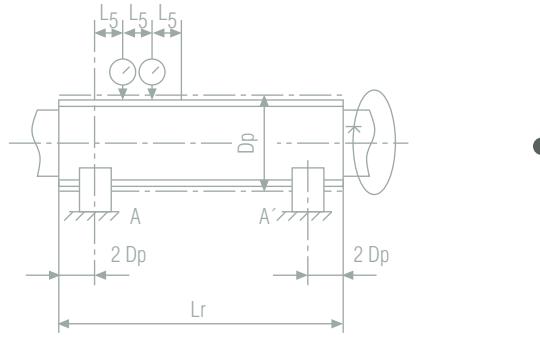
The test is carried out with a number of r.p.m. of the screw in 100 mm.⁻¹ in both turning directions. It will be lubricated with oil with a viscosity type 150 VG 100.

TOLERANCES

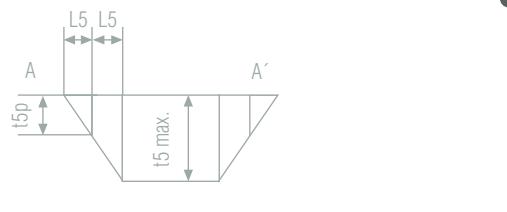
POSITION TOLERANCES

according to UNE-ISO 3408 standard

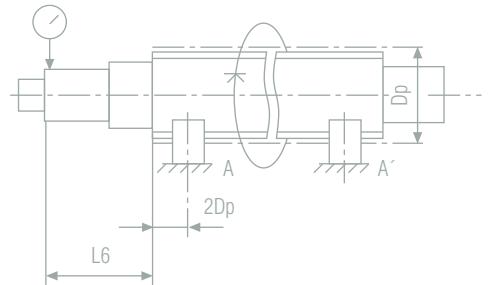
Transporter and Positioning Ball screws							
Dp			t_{5p} in μm according to Tolerance class				
More than	Up to	$L_5\text{mm}$	1	3	5	7	10
6	12	80					
12	25	160	20	25	32	40	80
25	50	315					
50	100	630					
100	200	1250					



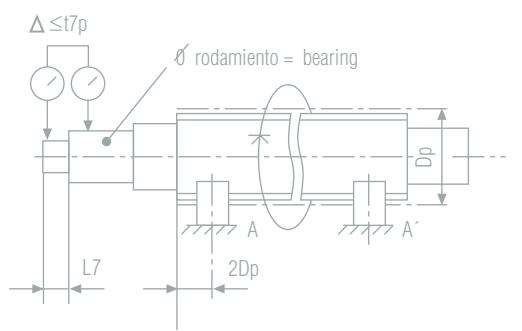
Lr/Dp		t_{5p} max [μm] for $L_r \geq 4L_5$ according to Tolerance class				
More than	Up to	1	3	5	7	10
	40	40	50	64	80	160
40	60	60	75	96	120	240
60	80	100	125	160	200	400
80	100	160	200	256	320	640



Transporter and Positioning Ball screws							
Dp			t_{6p} in μm for $L_6 \leq L$ according to Tolerance class				
More than	Up to	L	1	3	5	7	10
6	20	80	10	12	20	40	63
20	50	125	12	16	25	50	80
50	125	200	16	20	32	63	100
125	200	315	-	25	40	80	125



Transporter and Positioning Ball screws							
Dp			t_{7p} in μm for $L_7 \leq L$ according to Tolerance class				
More than	Up to	L	1	3	5	7	10
6	20	80	5	6	8	12	16
20	50	125	6	8	10	16	20
50	125	200	8	10	12	20	25
125	200	315	-	12	16	25	32



■ for $L_7 \leq L$ is applied $\Delta \leq t_{7p} \frac{L_7}{L}$

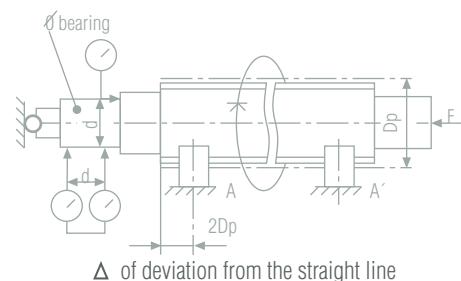
Dp		t_{8p} in μm according to Tolerance class				
More than	Up to	1	3	5	7	10
6	63	3	4	5	6	10
63	125	4	5	6	8	12
125	200	-	6	8	10	16

The Test 8

Axial run-out t_{8a} of ball screw shaft bearing faces related to AA'.

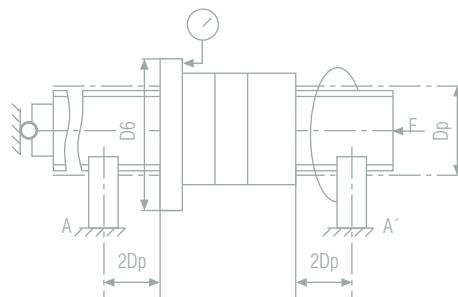
Test Instructions

Secure the ball screw shaft in the axial direction against movement (e.g. by placing a ball between the centres of the ball screw shaft and the mounting surface). Place the gauges perpendicular to the cylindrical surface of the journal and to the end face of the bearing pin. Rotate the ball screw slowly and determine the value of t_{8a} as the difference between the highest and lowest readings during one full reevolution. In some cases, Δ may be considered.

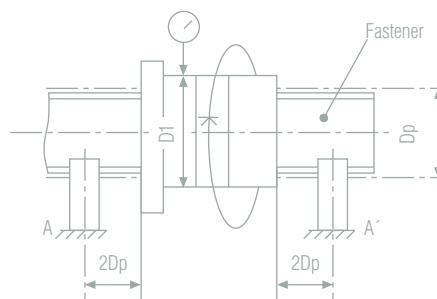


$$t_{8a} + (\Delta) \leq t_{8p}$$

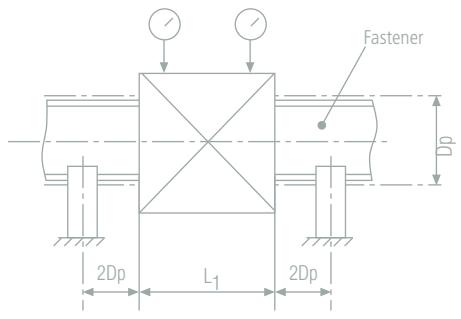
D ₆		t_{9p} in μm according to Tolerance class				
More than	Up to	1	3	5	7	10
16	32	10	12	16	20	-
32	63	12	16	20	25	-
63	125	16	20	25	32	-
125	250	20	25	32	40	-
250	500	-	32	40	50	-



D ₁		t_{10p} in μm according to Tolerance class				
More than	Up to	1	3	5	7	10
16	32	10	12	16	20	-
32	63	12	16	20	25	-
63	125	16	20	25	32	-
125	250	20	25	32	40	-
250	500	-	32	40	50	-



t_{11p} in $\mu\text{m mm}$ (accumulated) according to Tolerance class				
1	3	5	7	10
16	20	25	32	-





MAINTENANCE AND HANDLING

LUBRICATION

Ball screws must be lubricated with oil or grease, it being possible to use the same qualities of lubricants which are used in ball bearings.

To choose the appropriate lubricant, working conditions should be taken into consideration. Due to axial movement between the nut and the screw, lubricant is lost and so lubrication should be applied constantly. Graphite or molybdenum disulfate additives should not be used.

LUBRICATION WITH OIL

The influence of temperature is of great importance because longitudinal expansion has an influence on the precision of the ball screw. The necessary viscosity depends on the number of revolutions, the temperature and the load (see DIN 51517 and 51519 and ISO 3448).

LUBRICATION WITH GREASE

Lubrication with grease has the advantage of not needing another greasing until after 500 to 1000 hours of work. This means that in many cases a lubrication system can be avoided. For the normal working of a ballscrew it is convenient to use a grease with a consistency of NGLI 2 DIN 51818.

STORAGE

As these are precision products they must be placed in clean, dry places, well supported at several points along their length and in their original packaging until the moment they are used.

BSG ball screws must be handled with extreme care as they are sensitive to knocks and pollution. Before shipment, they are protected against corrosion with a rust inhibitor and special wrapping.

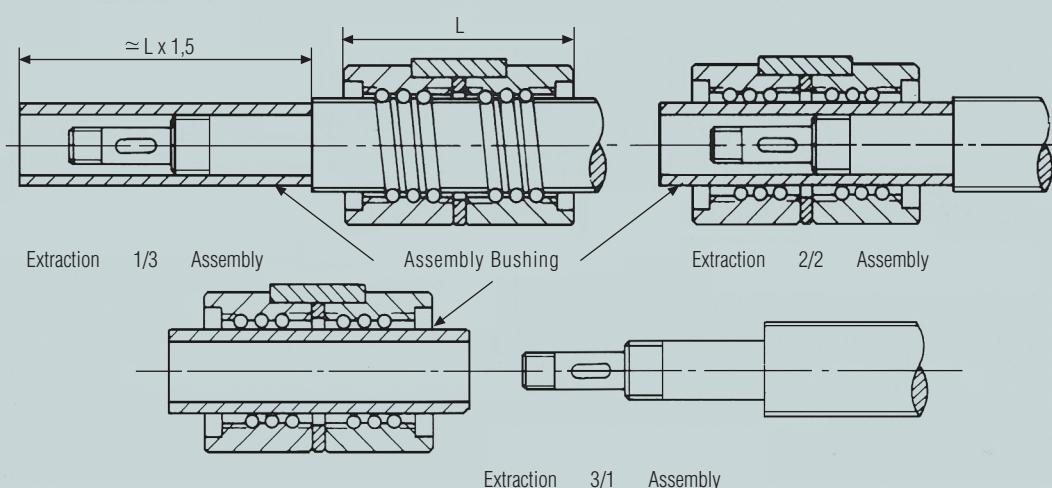
TRANSPORT - ASSEMBLY

When handling the ball screws between the storeroom and the place where they are to be assembled, avoid sharp movements and false support positions which might cause sagging. Housing for mounting nuts and the ends of the screw nuts be completely clean and free of dust, paint and other impurities.

Special attention should be paid to mounting the ball screw in the machine, by checking the alignment of the supports of bearings and the nut.

DISASSEMBLY OF NUTS

When, due to needs of mounting on a machine or for any other special motive, it is necessary to disassemble the screw nuts, this can be done with the aid of a tube for extracting and later assembly, as is shown in the diagram.



PRODUCTS





RANGE OF PRODUCTION

R Single and double nut flanged (Radial deflectors)

A Single and double nut flanged (Axial deflectors)

B Single and double nut flanged (Both systems)

H High Load Flanged (Radial deflectors)

BALLSCREW NOMENCLATURE



TYPE OF PRODUCT	LEAD	Nº CIRCUITS
Ø BALL SCREW	Ø BALL	R: RADIAL A: AXIAL

SNF 0 20 x 05 - 04 - 2 - R

SNF

SINGLE NUT FLANGED (Radial)

PG 19



DNF

DOUBLE NUT FLANGED (Radial)

PG 32



SNF

SINGLE NUT FLANGED (Axial)

PG 46



DNF

DOUBLE NUT FLANGED (Axial)

PG 62



SNC

SINGLE NUT CYLINDRICAL

PG 78



DNC

DOUBLE NUT CYLINDRICAL

PG 86



RND

ROTATING NUT DOUBLE

PG 94



HLF

HIGH LOAD FLANGED

PG 100



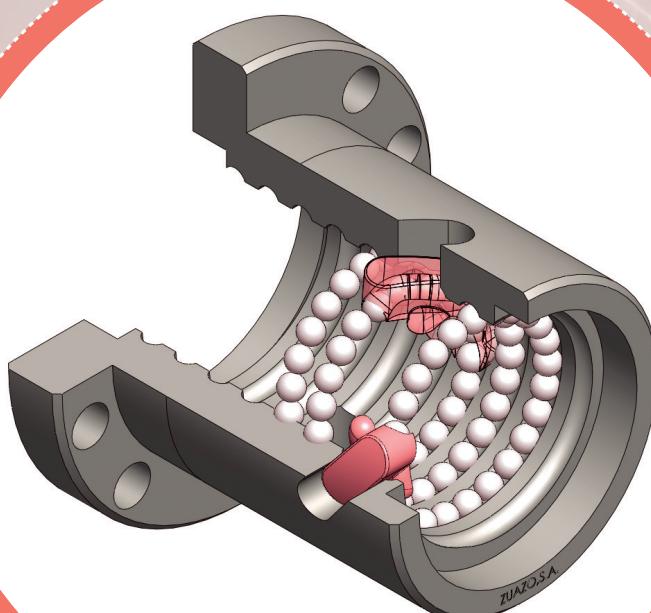


SINGLE NUT FLANGED PRELOADED



RADIAL DEFLECTORS

SNF radial





FEATURES

BSG flanged single nut preloaded with radial recirculation series: solutions for universal applications and balls with 4 contact points, where the requirement is **high rigidity in the shortest length**.

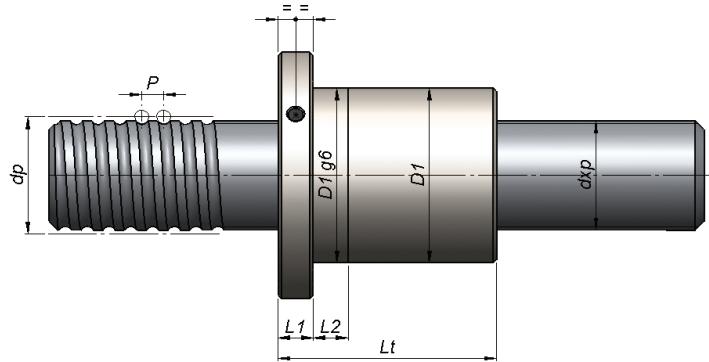


RANGE OF PRODUCTION



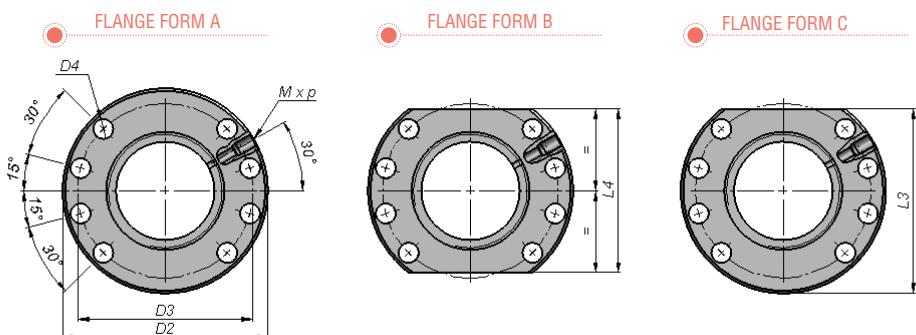
SINGLE NUT FLANGED (RADIAL DEFLECTORS)

SINGLE NUT FLANGED RADIAL DEFLECTORS



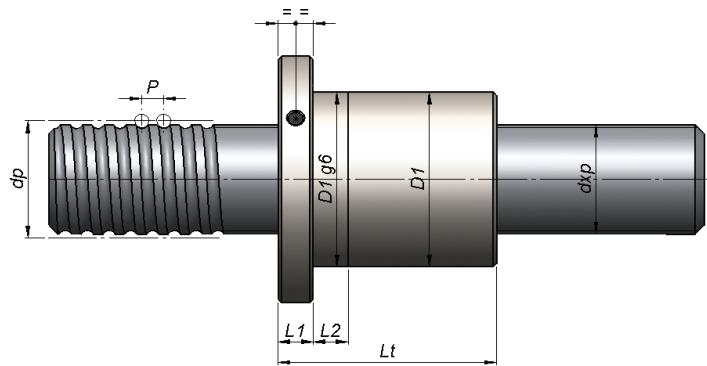
CODE	d	p	$\varnothing_{\text{ball}}$	Nc	LT		Coa	Ca	
					$\pm 0,1$	N			
SNF 020x05-04-2 -R	20	5	3,969	2	40	17.158	11.258		
SNF 020x05-04-4 -R				4	50	34.317	20.435		
SNF 020x05-04-5 -R				5	55	46.001	25.953		
SNF 020x06-04-2 -R		6		2	45	17.137	11.258		
SNF 020x06-04-4 -R				4	58	34.275	20.435		
SNF 020x06-04-5 -R				5	64	42.843	24.758		
SNF 025x05-04-2 -R	25	5	3,969	2	40	22.781	13.033		
SNF 025x05-04-4 -R				4	50	45.562	23.655		
SNF 025x05-04-5 -R				5	55	56.952	28.659		
SNF 025x06-04-2 -R		6		2	45	22.763	13.033		
SNF 025x06-04-4 -R				4	58	45.525	23.655		
SNF 025x06-04-5 -R				5	64	56.907	28.659		
SNF 025x08-05-2 -R	25	8	4,762	2	53	25.341	15.877		
SNF 025x08-05-4 -R				4	74	50.682	28.818		
SNF 025x08-05-5 -R				5	82	63.353	34.914		
SNF 025x10-05-3 -R		10		3	70	37.915	22.502		
SNF 025x10-05-5 -R				5	90	63.192	34.914		
SNF 025x10-05-6 -R				6	102	75.830	40.841		
SNF 032x05-04-2 -R	32	5	3,969	2	42	31.227	15.195		
SNF 032x05-04-4 -R				4	52	62.455	27.579		
SNF 032x05-04-5 -R				5	57	78.068	33.414		
SNF 032x06-04-2 -R		6		2	43	31.212	15.195		
SNF 032x06-04-4 -R				4	55	62.423	27.579		
SNF 032x06-04-5 -R				5	60	78.029	33.414		
SNF 032x08-06-2 -R	32	8	6,35	2	58	43.182	25.928		
SNF 032x08-06-4 -R				4	74	86.363	47.060		
SNF 032x08-06-5 -R				5	82	107.954	57.015		
SNF 032x10-06-3 -R		10		3	75	64.671	36.745		
SNF 032x10-06-5 -R				5	95	107.786	57.015		
SNF 032x10-06-6 -R				6	105	129.343	66.694		
SNF 032x12-06-3 -R		12		3	80	64.549	36.745		
SNF 032x12-06-5 -R				5	104	107.582	57.015		
SNF 032x12-06-6 -R				6	116	129.098	66.694		

Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers



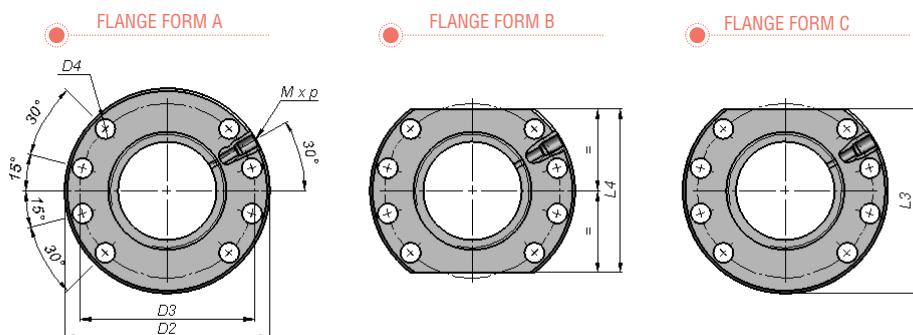
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
36	58	47	6,6	6	M6	10	10	51	44	SNF 020x05-04-2 -R
36	58	47	6,6	6	M6	10	10	51	44	SNF 020x05-04-4 -R
36	58	47	6,6	6	M6	10	10	51	44	SNF 020x05-04-5 -R
36	58	47	6,6	6	M6	10	10	51	44	SNF 020x06-04-2 -R
36	58	47	6,6	6	M6	10	10	51	44	SNF 020x06-04-4 -R
36	58	47	6,6	6	M6	10	10	51	44	SNF 020x06-04-5 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x05-04-2 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x05-04-4 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x05-04-5 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x06-04-2 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x06-04-4 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x06-04-5 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x08-05-2 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x08-05-4 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x08-05-5 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x10-05-3 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x10-05-5 -R
40	62	51	6,6	6	M6	10	10	55	48	SNF 025x10-05-6 -R
50	80	65	9	6	M6	12	10	71	62	SNF 032x05-04-2 -R
50	80	65	9	6	M6	12	10	71	62	SNF 032x05-04-4 -R
50	80	65	9	6	M6	12	10	71	62	SNF 032x06-04-2 -R
50	80	65	9	6	M6	12	10	71	62	SNF 032x06-04-4 -R
50	80	65	9	6	M6	12	10	71	62	SNF 032x06-04-5 -R
50	80	65	9	6	M6	12	16	71	62	SNF 032x08-06-2 -R
50	80	65	9	6	M6	12	16	71	62	SNF 032x08-06-4 -R
50	80	65	9	6	M6	12	16	71	62	SNF 032x08-06-5 -R
50	80	65	9	6	M6	12	16	71	62	SNF 032x10-06-3 -R
50	80	65	9	6	M6	12	16	71	62	SNF 032x10-06-5 -R
50	80	65	9	6	M6	12	16	71	62	SNF 032x10-06-6 -R
50	80	65	9	6	M6	12	16	71	62	SNF 032x12-06-3 -R
50	80	65	9	6	M6	12	16	71	62	SNF 032x12-06-5 -R
50	80	65	9	6	M6	12	16	71	62	SNF 032x12-06-6 -R

SINGLE NUT FLANGED RADIAL DEFLECTORS



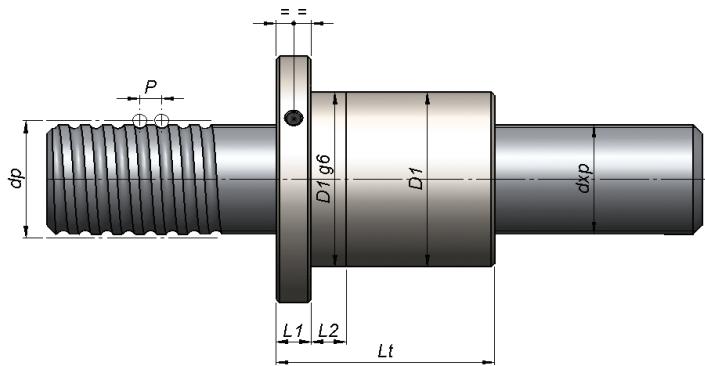
CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
SNF 040x05-04-2 -R	40	5	3,969	2	45	39.739	16.851
SNF 040x05-04-4 -R				4	55	79.478	30.585
SNF 040x05-04-5 -R				5	60	99.347	37.055
SNF 040x06-04-2 -R		6	6,35	2	49	39.726	16.851
SNF 040x06-04-4 -R				4	60	79.452	30.585
SNF 040x06-04-5 -R				5	65	99.315	37.055
SNF 040x08-06-3 -R		8	7,938	3	70	85.996	42.498
SNF 040x08-06-5 -R				5	86	143.327	65.941
SNF 040x08-06-6 -R				6	94	171.992	77.135
SNF 040x10-06-3 -R		10	9,525	3	80	85.908	42.498
SNF 040x10-06-5 -R				5	100	143.180	65.941
SNF 040x10-06-6 -R				6	110	171.816	77.135
SNF 040x12-06-3 -R		12	7,938	3	85	85.801	42.498
SNF 040x12-06-5 -R				5	114	143.001	65.941
SNF 040x12-06-6 -R				6	120	171.601	77.135
SNF 040x16-08-3 -R		16	9,525	3	105	97.826	54.287
SNF 040x16-08-5 -R				5	137	163.043	84.234
SNF 040x16-08-6 -R				6	160	195.652	98.533
SNF 040x20-08-3 -R		20	9,525	3	120	105.560	57.263
SNF 040x20-08-5 -R				5	160	175.934	88.851
SNF 040x20-08-6 -R				6	180	211.121	103.934
SNF 050x05-04-2 -R	50	5	3,969	2	45	51.074	18.741
SNF 050x05-04-4 -R				4	55	102.147	34.015
SNF 050x05-04-5 -R				5	60	127.684	41.211
SNF 050x06-04-2 -R		6	6,35	2	50	51.063	18.741
SNF 050x06-04-4 -R				4	62	102.125	34.015
SNF 050x06-04-5 -R				5	68	127.657	41.211
SNF 050x08-06-2 -R		8	7,938	2	65	75.085	34.094
SNF 050x08-06-4 -R				4	82	150.171	61.882
SNF 050x08-06-5 -R				5	90	187.713	74.973
SNF 050x10-06-3 -R		10	9,525	3	80	112.553	48.319
SNF 050x10-06-5 -R				5	100	187.588	74.973
SNF 050x10-06-6 -R				6	110	225.105	87.700
SNF 050x12-08-3 -R		12	7,938	3	90	132.895	63.592
SNF 050x12-08-5 -R				5	115	221.491	98.672
SNF 050x12-08-6 -R				6	125	280.277	119.242
SNF 050x16-10-3 -R		16	9,525	3	115	155.307	79.909
SNF 050x16-10-5 -R				5	145	258.845	123.989
SNF 050x16-10-6 -R				6	165	310.615	145.037
SNF 050x20-10-3 -R		20	9,525	3	132	154.911	79.909
SNF 050x20-10-5 -R				5	172	258.184	123.989
SNF 050x20-10-6 -R				6	192	309.821	145.037

Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

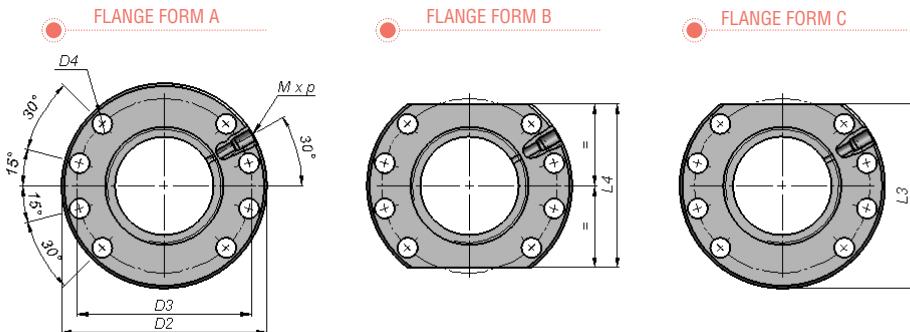


D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
63	93	78	9	8	M8x1	14	10	81,5	70	SNF 040x05-04-2 -R
63	93	78	9	8	M8x1	14	10	81,5	70	SNF 040x05-04-4 -R
63	93	78	9	8	M8x1	14	10	81,5	70	SNF 040x05-04-5 -R
63	93	78	9	8	M8x1	14	10	81,5	70	SNF 040x06-04-2 -R
63	93	78	9	8	M8x1	14	10	81,5	70	SNF 040x06-04-4 -R
63	93	78	9	8	M8x1	14	10	81,5	70	SNF 040x06-04-5 -R
63	93	78	9	8	M8x1	14	16	81,5	70	SNF 040x08-06-3 -R
63	93	78	9	8	M8x1	14	16	81,5	70	SNF 040x08-06-5 -R
63	93	78	9	8	M8x1	14	16	81,5	70	SNF 040x08-06-6 -R
63	93	78	9	8	M8x1	14	16	81,5	70	SNF 040x10-06-3 -R
63	93	78	9	8	M8x1	14	16	81,5	70	SNF 040x10-06-5 -R
63	93	78	9	8	M8x1	14	16	81,5	70	SNF 040x10-06-6 -R
63	93	78	9	8	M8x1	14	16	81,5	70	SNF 040x12-06-3 -R
63	93	78	9	8	M8x1	14	16	81,5	70	SNF 040x12-06-5 -R
63	93	78	9	8	M8x1	14	16	81,5	70	SNF 040x12-06-6 -R
75	110	93	11	8	M8x1	20	25	97,5	85	SNF 040x16-08-3 -R
75	110	93	11	8	M8x1	20	25	97,5	85	SNF 040x16-08-5 -R
75	110	93	11	8	M8x1	20	25	97,5	85	SNF 040x16-08-6 -R
75	110	93	11	8	M8x1	20	25	97,5	85	SNF 040x20-08-3 -R
75	110	93	11	8	M8x1	20	25	97,5	85	SNF 040x20-08-5 -R
75	110	93	11	8	M8x1	20	25	97,5	85	SNF 040x20-08-6 -R
75	110	93	11	8	M8x1	16	10	97,5	85	SNF 050x05-04-2 -R
75	110	93	11	8	M8x1	16	10	97,5	85	SNF 050x05-04-4 -R
75	110	93	11	8	M8x1	16	10	97,5	85	SNF 050x05-04-5 -R
75	110	93	11	8	M8x1	16	10	97,5	85	SNF 050x06-04-2 -R
75	110	93	11	8	M8x1	16	10	97,5	85	SNF 050x06-04-4 -R
75	110	93	11	8	M8x1	16	10	97,5	85	SNF 050x06-04-5 -R
75	110	93	11	8	M8x1	16	16	97,5	85	SNF 050x08-06-2 -R
75	110	93	11	8	M8x1	16	16	97,5	85	SNF 050x08-06-4 -R
75	110	93	11	8	M8x1	16	16	97,5	85	SNF 050x08-06-5 -R
75	110	93	11	8	M8x1	16	16	97,5	85	SNF 050x10-06-3 -R
75	110	93	11	8	M8x1	16	16	97,5	85	SNF 050x10-06-5 -R
75	110	93	11	8	M8x1	16	16	97,5	85	SNF 050x10-06-6 -R
75	110	93	11	8	M8x1	16	16	97,5	85	SNF 050x12-08-3 -R
75	110	93	11	8	M8x1	16	16	97,5	85	SNF 050x12-08-5 -R
75	110	93	11	8	M8x1	16	16	97,5	85	SNF 050x12-08-6 -R
85	120	103	11	8	M8x1	20	25	107,5	95	SNF 050x16-10-3 -R
85	120	103	11	8	M8x1	20	25	107,5	95	SNF 050x16-10-5 -R
85	120	103	11	8	M8x1	20	25	107,5	95	SNF 050x16-10-6 -R
85	120	103	11	8	M8x1	20	25	107,5	95	SNF 050x20-10-3 -R
85	120	103	11	8	M8x1	20	25	107,5	95	SNF 050x20-10-5 -R
85	120	103	11	8	M8x1	20	25	107,5	95	SNF 050x20-10-6 -R

SINGLE NUT FLANGED RADIAL DEFLECTORS

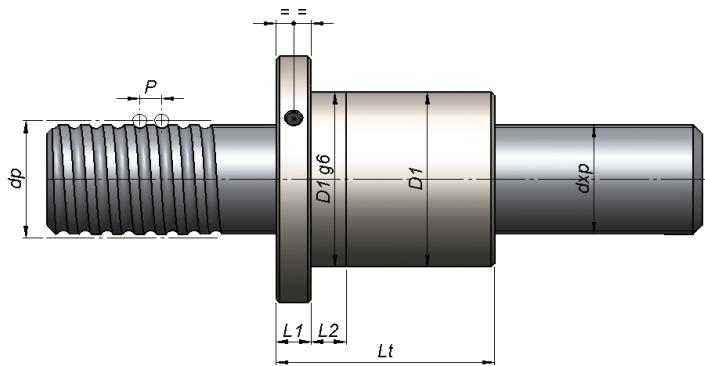


CODE	d	p	Øball	Nc	LT	Coa	Ca	
					±0,1	N	N	
SNF 063x05-04-2 -R	63	5	3,969	2	48	65.267	20.666	
SNF 063x05-04-4 -R				4	58	130.534	37.509	
SNF 063x05-04-5 -R				5	63	163.168	45.444	
SNF 063x08-06-2 -R		8	6,35	2	67	99.947	38.884	
SNF 063x08-06-4 -R				4	84	199.893	70.577	
SNF 063x08-06-5 -R				5	92	249.867	85.508	
SNF 063x10-06-3 -R				3	80	149.856	55.108	
SNF 063x10-06-5 -R		10	6,35	5	100	249.759	85.508	
SNF 063x10-06-6 -R				6	110	299.711	100.023	
SNF 063x12-06-3 -R				3	93	149.777	55.108	
SNF 063x12-06-5 -R				5	118	249.628	85.508	
SNF 063x12-06-6 -R		12	6,35	6	130	299.554	100.023	
SNF 063x15-10-3 -R				3	116	206.382	92.064	
SNF 063x15-10-5 -R				5	147	343.971	142.850	
SNF 063x15-10-6 -R				6	162	412.765	167.100	
SNF 063x16-10-3 -R	80	15	9,525	3	123	206.309	92.064	
SNF 063x16-10-5 -R				5	156	343.848	142.850	
SNF 063x16-10-6 -R				6	172	412.617	167.100	
SNF 063x20-10-3 -R				3	132	205.967	92.064	
SNF 063x20-10-5 -R		16	9,525	5	175	343.278	142.850	
SNF 063x20-10-6 -R				6	195	411.934	167.100	
SNF 063x20-13-3 -R				3	145	254.155	128.229	
SNF 063x20-13-5 -R		20	12,7	5	185	423.591	198.965	
SNF 063x20-13-6 -R				6	205	508.309	232.741	
SNF 080x10-06-3 -R		10	6,35	3	85	192.741	61.045	
SNF 080x10-06-5 -R				5	105	321.235	94.720	
SNF 080x10-06-6 -R				6	115	385.482	110.799	
SNF 080x12-06-3 -R				3	95	192.678	61.045	
SNF 080x12-06-5 -R			12	5	120	321.129	94.720	
SNF 080x12-06-6 -R				6	130	385.355	110.799	
SNF 080x15-06-3 -R				3	100	192.561	61.045	
SNF 080x15-06-5 -R		15	9,525	5	130	320.934	94.720	
SNF 080x15-06-6 -R				6	145	385.121	110.799	
SNF 080x16-10-3 -R				3	120	282.651	107.233	
SNF 080x16-10-5 -R		16		5	155	471.084	166.387	
SNF 080x16-10-6 -R				6	170	565.301	194.632	
SNF 080x20-10-3 -R				3	139	282.354	107.233	
SNF 080x20-10-5 -R		20	12,7	5	180	470.589	166.387	
SNF 080x20-10-6 -R				6	200	564.707	194.632	
SNF 080x20-13-3 -R				3	140	344.683	149.889	
SNF 080x20-13-5 -R		25	15,875	5	185	574.472	232.573	
SNF 080x20-13-6 -R				6	205	689.367	272.054	
SNF 080x25-10-3 -R				3	155	281.891	107.233	
SNF 080x25-10-5 -R				5	205	469.819	166.387	
SNF 080x25-10-6 -R				6	230	563.783	194.632	
SNF 080x25-13-3 -R		25	12,7	3	160	344.132	149.889	
SNF 080x25-13-5 -R				5	210	573.554	232.573	
SNF 080x25-13-6 -R				6	235	688.265	272.054	
SNF 080x25-16-3 -R				3	170	430.448	201.650	
SNF 080x25-16-5 -R		25	15,875	5	220	717.414	312.887	
SNF 080x25-16-6 -R				6	245	860.897	366.002	

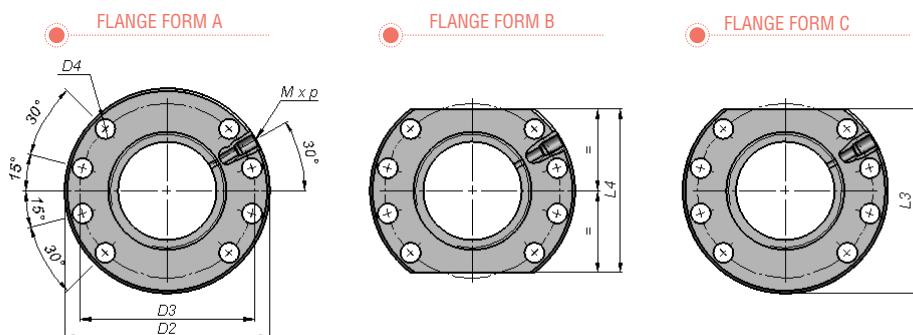


D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x05-04-2 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x05-04-4 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x05-04-5 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x08-06-2 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x08-06-4 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x08-06-5 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x10-06-3 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x10-06-5 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x10-06-6 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x12-06-3 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x12-06-5 -R
90	125	108	11	8	M8x1	18	16	110	95	SNF 063x12-06-6 -R
95	128	111,5	11	8	M8x1	18	16	114	100	SNF 063x15-10-3 -R
95	128	111,5	11	8	M8x1	18	16	114	100	SNF 063x15-10-5 -R
95	128	111,5	11	8	M8x1	18	16	114	100	SNF 063x15-10-6 -R
95	128	111,5	11	8	M8x1	20	25	114	100	SNF 063x16-10-3 -R
95	128	111,5	11	8	M8x1	20	25	114	100	SNF 063x16-10-5 -R
95	128	111,5	11	8	M8x1	20	25	114	100	SNF 063x16-10-6 -R
95	128	111,5	11	8	M8x1	20	25	114	100	SNF 063x20-10-3 -R
95	128	111,5	11	8	M8x1	20	25	114	100	SNF 063x20-10-5 -R
95	128	111,5	11	8	M8x1	20	25	114	100	SNF 063x20-10-6 -R
105	145	125	13,5	8	M8x1	20	25	127,5	110	SNF 063x20-13-3 -R
105	145	125	13,5	8	M8x1	20	25	127,5	110	SNF 063x20-13-5 -R
105	145	125	13,5	8	M8x1	20	25	127,5	110	SNF 063x20-13-6 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	SNF 080x10-06-3 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	SNF 080x10-06-5 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	SNF 080x10-06-6 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	SNF 080x12-06-3 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	SNF 080x12-06-5 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	SNF 080x12-06-6 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	SNF 080x15-06-3 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	SNF 080x15-06-5 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	SNF 080x15-06-6 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x16-10-3 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x16-10-5 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x16-10-6 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x20-10-3 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x20-10-6 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x20-10-5 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x20-13-3 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x20-13-5 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x20-13-6 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x25-10-3 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x25-10-5 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x25-10-6 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x25-13-3 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x25-13-5 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	SNF 080x25-13-6 -R
135	175	155	13,5	8	M8x1	25	30	157,5	130	SNF 080x25-16-3 -R
135	175	155	13,5	8	M8x1	25	30	157,5	130	SNF 080x25-16-5 -R
135	175	155	13,5	8	M8x1	25	30	157,5	130	SNF 080x25-16-6 -R

SINGLE NUT FLANGED RADIAL DEFLECTORS

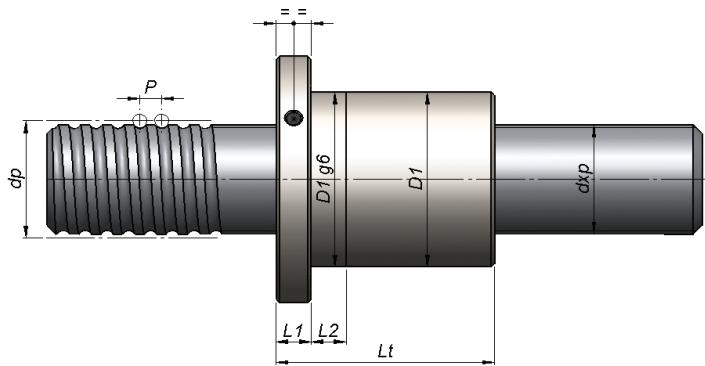


CODE	d	p	Øball	Nc	LT	Coa	Ca	
					±0,1	N	N	
SNF 100x10-06-3 -R	100	10	6,35	3	85	246.282	67.454	
SNF 100x10-06-5 -R				5	105	410.470	104.664	
SNF 100x10-06-6 -R				6	115	492.564	122.432	
SNF 100x12-06-3 -R		12		3	95	246.230	67.454	
SNF 100x12-06-5 -R				5	120	410.383	104.664	
SNF 100x12-06-6 -R				6	130	492.459	122.432	
SNF 100x16-10-3 -R		16	9,525	3	125	372.059	121.460	
SNF 100x16-10-5 -R				5	160	620.098	188.462	
SNF 100x16-10-6 -R				6	175	744.118	220.455	
SNF 100x20-10-3 -R				3	145	371.805	121.460	
SNF 100x20-10-5 -R		20		5	185	619.674	188.462	
SNF 100x20-10-6 -R				6	205	743.609	220.455	
SNF 100x20-13-3 -R		12,7	3	150	458.016	171.983		
SNF 100x20-13-5 -R			5	190	763.360	266.855		
SNF 100x20-13-6 -R			6	210	916.032	312.155		
SNF 100x25-10-3 -R	120	25	9,525	3	170	371.408	121.460	
SNF 100x25-10-5 -R				5	220	619.013	188.462	
SNF 100x25-10-6 -R				6	245	742.816	220.455	
SNF 100x25-13-3 -R				3	174	457.537	171.983	
SNF 100x25-13-5 -R		12,7		5	225	762.561	266.855	
SNF 100x25-13-6 -R				6	250	915.074	312.155	
SNF 100x25-16-3 -R		15,875	3	185	571.828	233.116		
SNF 100x25-16-5 -R			5	235	953.047	361.711		
SNF 100x25-16-6 -R			6	260	1.143.656	423.115		
SNF 120x10-06-3 -R		10	6,35	3	90	299.850	72.935	
SNF 120x10-06-5 -R				5	110	499.749	113.169	
SNF 120x10-06-6 -R				6	130	599.699	132.380	
SNF 120x12-06-3 -R		12		3	97	299.805	72.935	
SNF 120x12-06-5 -R				5	122	499.675	113.169	
SNF 120x12-06-6 -R				6	134	599.610	132.380	
SNF 120x16-10-3 -R		16	9,525	3	133	449.162	130.943	
SNF 120x16-10-5 -R				5	166	748.603	203.175	
SNF 120x16-10-6 -R				6	182	898.324	237.666	
SNF 120x20-10-3 -R				3	144	448.946	130.943	
SNF 120x20-10-5 -R		20		5	196	748.244	203.175	
SNF 120x20-10-6 -R				6	216	897.892	237.666	
SNF 120x20-13-3 -R		12,7	3	150	571.681	190.295		
SNF 120x20-13-5 -R			5	195	952.801	295.268		
SNF 120x20-13-6 -R			6	215	1.143.362	345.392		
SNF 120x25-10-3 -R		25	9,525	3	169	448.610	130.943	
SNF 120x25-10-5 -R				5	220	747.683	203.175	
SNF 120x25-10-6 -R				6	246	897.219	237.666	
SNF 120x25-13-3 -R				3	170	571.259	190.295	
SNF 120x25-13-5 -R		12,7		5	223	952.099	295.268	
SNF 120x25-13-6 -R				6	250	1.142.519	345.392	
SNF 120x25-16-3 -R		15,875	3	180	713.695	259.099		
SNF 120x25-16-5 -R			5	232	1.189.491	402.028		
SNF 120x25-16-6 -R			6	260	1.427.389	470.275		



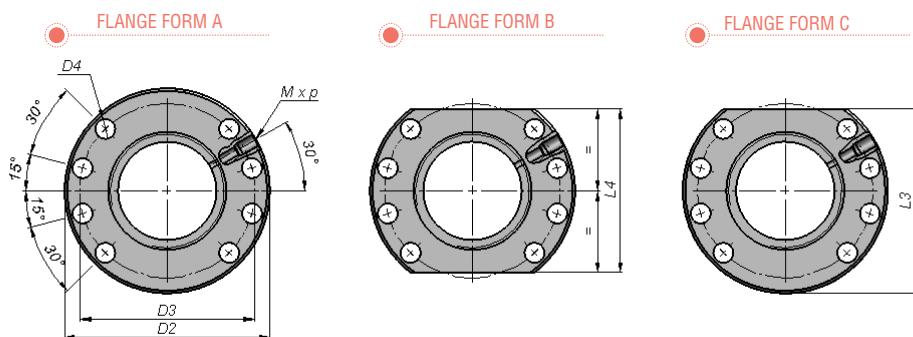
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
125	165	145	13,5	8	M8x1	22	16	147,5	130	SNF 100x10-06-3 -R
125	165	145	13,5	8	M8x1	22	16	147,5	130	SNF 100x10-06-5 -R
125	165	145	13,5	8	M8x1	22	16	147,5	130	SNF 100x10-06-6 -R
125	165	145	13,5	8	M8x1	22	16	147,5	130	SNF 100x12-06-3 -R
125	165	145	13,5	8	M8x1	22	16	147,5	130	SNF 100x12-06-5 -R
125	165	145	13,5	8	M8x1	22	16	147,5	130	SNF 100x12-06-6 -R
135	180	160	17,5	8	M8x1	30	25	162,5	145	SNF 100x16-10-3 -R
135	180	160	17,5	8	M8x1	30	25	162,5	145	SNF 100x16-10-5 -R
135	180	160	17,5	8	M8x1	30	25	162,5	145	SNF 100x16-10-6 -R
135	180	160	17,5	8	M8x1	30	25	162,5	145	SNF 100x20-10-3 -R
135	180	160	17,5	8	M8x1	30	25	162,5	145	SNF 100x20-10-5 -R
135	180	160	17,5	8	M8x1	30	25	162,5	145	SNF 100x20-10-6 -R
150	202	176	17,5	8	M8x1	30	25	178,5	155	SNF 100x20-13-3 -R
150	202	176	17,5	8	M8x1	30	25	178,5	155	SNF 100x20-13-5 -R
150	202	176	17,5	8	M8x1	30	25	178,5	155	SNF 100x20-13-6 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-10-3 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-10-5 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-10-6 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-13-3 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-13-5 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-13-6 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-16-3 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-16-5 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-16-6 -R
150	202	176	17,5	8	M8x1	25	20	178,5	155	SNF 100x10-06-3 -R
150	202	176	17,5	8	M8x1	25	20	178,5	155	SNF 100x10-06-5 -R
150	202	176	17,5	8	M8x1	25	20	178,5	155	SNF 100x10-06-6 -R
150	202	176	17,5	8	M8x1	25	20	178,5	155	SNF 100x12-06-3 -R
150	202	176	17,5	8	M8x1	25	20	178,5	155	SNF 100x12-06-5 -R
150	202	176	17,5	8	M8x1	25	20	178,5	155	SNF 100x12-06-6 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 120x16-10-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 120x16-10-5 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 120x20-10-3 -R
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170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 120x20-10-6 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 120x20-13-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 120x20-13-5 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 120x20-13-6 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 120x25-10-3 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 120x25-10-5 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 120x25-10-6 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 120x25-13-3 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 120x25-13-5 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 120x25-13-6 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 120x25-16-3 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 120x25-16-5 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 120x25-16-6 -R

SINGLE NUT FLANGED RADIAL DEFLECTORS



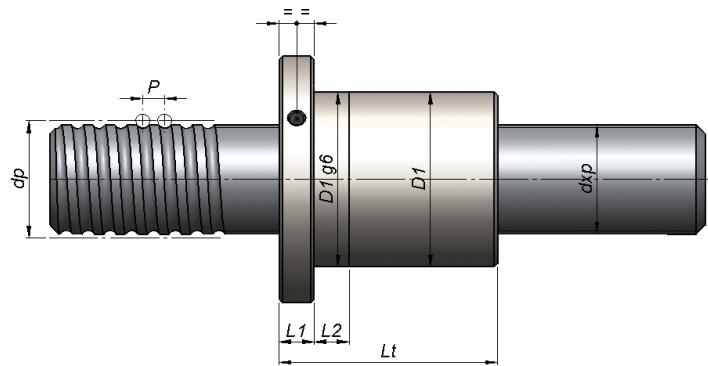
CODE	d	p	$\varnothing_{\text{ball}}$	Nc	LT	Coa	Ca
					$\pm 0,1$	N	N
SNF 125x10-06-3 -R	125	10	6,35	3	90	310.612	73.780
SNF 125x10-06-5 -R				5	110	517.686	114.480
SNF 125x10-06-6 -R				6	120	621.224	133.914
SNF 125x12-06-3 -R			12	3	100	310.569	73.780
SNF 125x12-06-5 -R				5	125	517.615	114.480
SNF 125x12-06-6 -R				6	134	621.138	133.914
SNF 125x16-10-3 -R		16	9,525	3	130	474.682	134.302
SNF 125x16-10-5 -R				5	160	791.136	208.388
SNF 125x16-10-6 -R				6	180	949.363	243.764
SNF 125x20-10-3 -R			20	3	144	474.471	134.302
SNF 125x20-10-5 -R				7	190	790.785	208.388
SNF 125x20-10-6 -R				6	210	948.942	243.764
SNF 125x20-13-3 -R	25	12,7	9,525	3	150	594.624	193.249
SNF 125x20-13-5 -R				5	200	1.027.737	193.249
SNF 125x20-13-6 -R				6	215	1.189.248	306.688
SNF 125x25-10-3 -R			12,7	3	170	474.143	134.302
SNF 125x25-10-5 -R				5	220	790.238	208.388
SNF 125x25-10-6 -R				6	245	948.285	243.764
SNF 125x25-13-3 -R	30	20	12,7	3	175	594.219	193.249
SNF 125x25-13-5 -R				5	225	990.365	299.853
SNF 125x25-13-6 -R				6	250	1.188.437	350.755
SNF 125x25-16-3 -R			15,875	3	180	749.209	264.966
SNF 125x25-16-5 -R				5	235	1.248.682	411.130
SNF 125x25-16-6 -R				6	260	1.498.418	480.923
SNF 140x20-13-4 -R	40	20	12,7	4	180	914.043	263.902
SNF 140x20-13-6 -R				6	220	1.371.064	374.008
SNF 140x25-13-4 -R				4	200	913.542	263.902
SNF 140x25-13-6 -R			15,875	6	250	1.370.313	374.008
SNF 140x25-16-4 -R				4	210	1.141.109	360.352
SNF 140x25-16-6 -R				6	260	1.711.664	510.700
SNF 160x20-13-4 -R	50	20	12,7	4	190	1.065.997	281.751
SNF 160x20-13-6 -R				6	230	1.598.995	399.304
SNF 160x25-13-4 -R				4	210	1.065.547	281.751
SNF 160x25-13-6 -R			15,875	6	260	1.598.320	399.304
SNF 160x25-16-4 -R				4	225	1.330.847	385.466
SNF 160x25-16-6 -R				6	275	1.996.270	546.291
SNF 160x25-20-4 -R	60	25	19,05	4	225	1.575.909	492.596
SNF 160x25-20-6 -R				6	275	2.363.864	698.119
SNF 180x20-13-4 -R		20	12,7	4	190	1.218.052	297.833
SNF 180x20-13-6 -R				6	230	1.827.078	422.096
SNF 180x25-13-4 -R				4	210	1.217.643	297.833
SNF 180x25-13-6 -R			15,875	6	260	1.826.464	422.096
SNF 180x25-16-4 -R				4	225	1.520.729	408.015
SNF 180x25-16-6 -R				6	275	2.281.093	578.248
SNF 180x25-20-4 -R	70	25	19,05	4	220	1.781.701	518.582
SNF 180x25-20-6 -R				6	270	2.672.551	734.946

Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

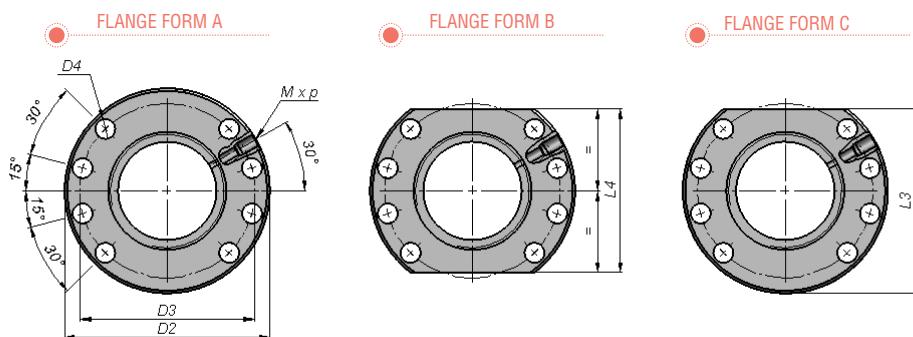


D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
150	202	176	17,5	8	M8x1	25	16	178,5	155	SNF 125x10-06-3 -R
150	202	176	17,5	8	M8x1	25	16	178,5	155	SNF 125x10-06-5 -R
150	202	176	17,5	8	M8x1	25	16	178,5	155	SNF 125x10-06-6 -R
150	202	176	17,5	8	M8x1	25	16	178,5	155	SNF 125x12-06-3 -R
150	202	176	17,5	8	M8x1	25	16	178,5	155	SNF 125x12-06-5 -R
150	202	176	17,5	8	M8x1	25	16	178,5	155	SNF 125x12-06-6 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 125x16-10-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 125x16-10-5 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 125x16-10-6 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 125x20-10-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 125x20-10-5 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 125x20-10-6 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 125x20-13-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 125x20-13-5 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	SNF 125x20-13-6 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 125x25-10-3 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 125x25-10-5 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 125x25-10-6 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 125x25-13-3 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 125x25-13-5 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	SNF 125x25-13-6 -R
180	232	206	17,5	8	M8x1	30	30	208,5	185	SNF 125x25-16-3 -R
180	232	206	17,5	8	M8x1	30	30	208,5	185	SNF 125x25-16-5 -R
180	232	206	17,5	8	M8x1	30	30	208,5	185	SNF 125x25-16-6 -R
190	242	216	17,5	8	M8x1	30	25	218,5	195	SNF 140x20-13-4 -R
190	242	216	17,5	8	M8x1	30	25	218,5	195	SNF 140x20-13-6 -R
190	242	216	17,5	8	M8x1	30	30	218,5	195	SNF 140x25-13-4 -R
190	242	216	17,5	8	M8x1	30	30	218,5	195	SNF 140x25-13-6 -R
190	242	216	17,5	8	M8x1	30	30	218,5	195	SNF 140x25-16-4 -R
190	242	216	17,5	8	M8x1	30	30	218,5	195	SNF 140x25-16-6 -R
210	275	243	22	8	M8x1	40	30	245	215	SNF 160x20-13-4 -R
210	275	243	22	8	M8x1	40	30	245	205	SNF 160x20-13-6 -R
210	275	243	22	8	M10x1	40	30	245	215	SNF 160x25-13-4 -R
210	275	243	22	8	M10x1	40	30	245	215	SNF 160x25-13-6 -R
210	275	243	22	8	M10x1	40	30	245	215	SNF 160x25-16-4 -R
210	275	243	22	8	M10x1	40	30	245	215	SNF 160x25-16-6 -R
220	290	255	22	8	M10x1	40	30	257,5	225	SNF 160x25-20-4 -R
220	290	255	22	8	M10x1	40	30	257,5	225	SNF 160x25-20-6 -R
230	300	265	22	8	M10x1	40	25	267,5	235	SNF 180x20-13-4 -R
230	300	265	22	8	M10x1	40	25	267,5	235	SNF 180x20-13-6 -R
230	300	265	22	8	M10x1	40	30	267,5	235	SNF 180x25-13-4 -R
230	300	265	22	8	M10x1	40	30	267,5	235	SNF 180x25-13-6 -R
230	300	265	22	8	M10x1	40	30	267,5	235	SNF 180x25-16-4 -R
230	300	265	22	8	M10x1	40	30	267,5	235	SNF 180x25-16-6 -R
240	310	275	22	8	M10x1	40	30	277,5	245	SNF 180x25-20-4 -R
240	310	275	22	8	M10x1	40	30	277,5	245	SNF 180x25-20-6 -R

SINGLE NUT FLANGED RADIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
SNF 200x20-13-4 -R	200	20	12,7	4	195	1.370.176	312.530
SNF 200x20-13-6 -R				6	236	2.055.265	442.925
SNF 200x25-13-4 -R				4	220	1.369.802	312.530
SNF 200x25-13-6 -R				6	283	2.054.703	442.925
SNF 200x25-16-4 -R		25	15,875	4	235	1.710.711	428.564
SNF 200x25-16-6 -R				6	286	2.566.067	607.371
SNF 200x25-20-4 -R				4	237	2.053.733	554.285
SNF 200x25-20-6 -R				6	289	3.080.599	785.546
SNF 220x20-13-4 -R	220	20	12,7	4	195	1.522.351	326.110
SNF 220x20-13-6 -R				6	236	2.283.527	462.171
SNF 220x25-13-4 -R				4	220	1.522.006	326.110
SNF 220x25-13-6 -R				6	283	2.283.010	462.171
SNF 220x25-16-4 -R		25	15,875	4	235	1.900.765	447.507
SNF 220x25-16-6 -R				6	286	2.851.148	634.217
SNF 220x25-20-4 -R				4	237	2.259.722	575.543
SNF 220x25-20-6 -R				6	289	3.389.582	815.673
SNF 240x20-13-4 -R	240	20	12,7	4	195	1.674.564	338.766
SNF 240x20-13-6 -R				6	236	2.511.846	480.107
SNF 240x25-13-4 -R				4	220	1.674.244	338.766
SNF 240x25-13-6 -R				6	283	2.511.366	480.107
SNF 240x25-16-4 -R		25	15,875	4	235	2.090.872	465.128
SNF 240x25-16-6 -R				6	286	3.136.309	659.190
SNF 240x25-20-4 -R				4	237	2.465.669	595.387
SNF 240x25-20-6 -R				6	289	3.698.503	843.797
SNF 260x20-13-4 -R	260	20	12,7	4	195	1.826.805	350.644
SNF 260x20-13-6 -R				6	236	2.740.208	496.942
SNF 260x25-13-4 -R				4	220	1.826.507	350.644
SNF 260x25-13-6 -R				6	283	2.739.760	496.942
SNF 260x25-16-4 -R		25	15,875	4	235	2.281.021	481.640
SNF 260x25-16-6 -R				6	286	3.421.531	682.592
SNF 260x25-20-4 -R				4	237	2.671.584	614.046
SNF 260x25-20-6 -R				6	289	4.007.376	870.240
SNF 280x20-13-4 -R	280	20	12,7	4	195	1.979.069	361.857
SNF 280x20-13-6 -R				6	236	2.968.603	512.832
SNF 280x25-13-4 -R				4	220	1.978.790	361.857
SNF 280x25-13-6 -R				6	283	2.968.184	512.832
SNF 280x25-16-4 -R		25	15,875	4	235	2.471.200	497.207
SNF 280x25-16-6 -R				6	286	3.706.800	704.653
SNF 280x25-20-4 -R				4	237	2.944.392	641.448
SNF 280x25-20-6 -R				6	289	4.416.587	909.076
SNF 300x20-13-4 -R	300	20	12,7	4	195	2.131.350	372.493
SNF 300x20-13-6 -R				6	236	3.197.026	527.905
SNF 300x25-13-4 -R				4	220	2.131.088	372.493
SNF 300x25-13-6 -R				6	283	3.196.632	527.905
SNF 300x25-16-4 -R		25	15,875	4	235	2.661.405	511.956
SNF 300x25-16-6 -R				6	286	3.992.108	725.556
SNF 300x25-20-4 -R				4	237	3.150.372	657.826
SNF 300x25-20-6 -R				6	289	4.725.558	932.287



D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
250	330	290	26	8	M10x1	45	30	285	255	SNF 200x20-13-4 -R
250	330	290	26	8	M10x1	45	30	285	255	SNF 200x20-13-6 -R
250	330	290	26	8	M10x1	45	30	285	255	SNF 200x25-13-4 -R
250	330	290	26	8	M10x1	45	30	285	255	SNF 200x25-13-6 -R
250	330	290	26	8	M10x1	45	30	285	255	SNF 200x25-16-4 -R
250	330	290	26	8	M10x1	45	30	285	255	SNF 200x25-16-6 -R
260	340	300	26	8	M10x1	45	30	295	265	SNF 200x25-20-4 -R
260	340	300	26	8	M10x1	45	30	295	265	SNF 200x25-20-6 -R
270	350	310	26	8	M10x1	45	25	305	275	SNF 220x20-13-4 -R
270	350	310	26	8	M10x1	45	25	305	275	SNF 220x20-13-6 -R
270	350	310	26	8	M10x1	45	25	305	275	SNF 220x25-13-4 -R
270	350	310	26	8	M10x1	45	25	305	275	SNF 220x25-13-6 -R
270	350	310	26	8	M10x1	45	25	305	275	SNF 220x25-16-4 -R
270	350	310	26	8	M10x1	45	25	305	275	SNF 220x25-16-6 -R
280	360	320	26	8	M10x1	45	30	315	285	SNF 220x25-20-4 -R
280	360	320	26	8	M10x1	45	30	315	285	SNF 220x25-20-6 -R
290	370	330	26	8	M10x1	45	30	325	295	SNF 240x20-13-4 -R
290	370	330	26	8	M10x1	45	30	325	295	SNF 240x20-13-6 -R
290	370	330	26	8	M10x1	45	30	325	295	SNF 240x25-13-4 -R
290	370	330	26	8	M10x1	45	30	325	295	SNF 240x25-13-6 -R
290	370	330	26	8	M10x1	45	30	325	295	SNF 240x25-16-4 -R
290	370	330	26	8	M10x1	45	30	325	295	SNF 240x25-16-6 -R
300	380	340	26	8	M10x1	45	30	335	305	SNF 240x25-20-4 -R
300	380	340	26	8	M10x1	45	30	335	305	SNF 240x25-20-6 -R
310	390	350	26	8	M10x1	45	30	345	315	SNF 260x20-13-4 -R
310	390	350	26	8	M10x1	45	30	345	315	SNF 260x20-13-6 -R
310	390	350	26	8	M10x1	45	30	345	315	SNF 260x25-13-4 -R
310	390	350	26	8	M10x1	45	30	345	315	SNF 260x25-13-6 -R
310	390	350	26	8	M10x1	45	30	345	315	SNF 260x25-16-4 -R
310	390	350	26	8	M10x1	45	30	345	315	SNF 260x25-16-6 -R
320	400	360	26	8	M10x1	45	30	355	325	SNF 260x25-20-4 -R
320	400	360	26	8	M10x1	45	30	355	325	SNF 260x25-20-6 -R
330	410	370	26	8	M10x1	45	30	365	335	SNF 280x20-13-4 -R
330	410	370	26	8	M10x1	45	30	365	335	SNF 280x20-13-6 -R
330	410	370	26	8	M10x1	45	30	365	335	SNF 280x25-13-4 -R
330	410	370	26	8	M10x1	45	30	365	335	SNF 280x25-13-6 -R
330	410	370	26	8	M10x1	45	30	365	335	SNF 280x25-16-4 -R
330	410	370	26	8	M10x1	45	30	365	335	SNF 280x25-16-6 -R
340	420	380	26	8	M10x1	45	30	375	345	SNF 280x25-20-4 -R
340	420	380	26	8	M10x1	45	30	375	345	SNF 280x25-20-6 -R
350	430	390	26	8	M10x1	45	30	385	355	SNF 300x20-13-4 -R
350	430	390	26	8	M10x1	45	30	385	355	SNF 300x20-13-6 -R
350	430	390	26	8	M10x1	45	30	385	355	SNF 300x25-13-4 -R
350	430	390	26	8	M10x1	45	30	385	355	SNF 300x25-13-6 -R
350	430	390	26	8	M10x1	45	30	385	355	SNF 300x25-16-4 -R
350	430	390	26	8	M10x1	45	30	385	355	SNF 300x25-16-6 -R
360	440	400	26	8	M10x1	45	30	395	365	SNF 300x25-20-4 -R
360	440	400	26	8	M10x1	45	30	395	365	SNF 300x25-20-6 -R

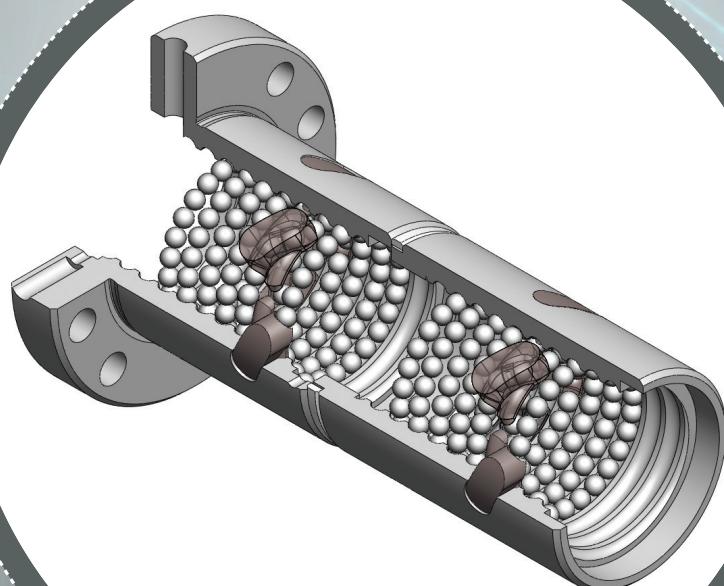


DOUBLE NUT FLANGED PRELOADED



RADIAL DEFLECTORS

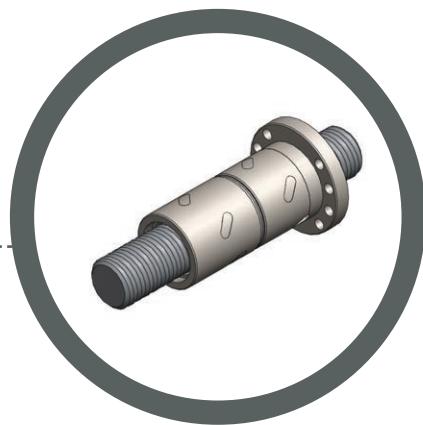
DNF radial





FEATURES

BSG flanged double nut preloaded with radial recirculation series: solutions for universal applications and balls with 2 contact points, where the requirement is **high ratios: load capacity/lead and rigidity/lead with easy-low maintenance.**



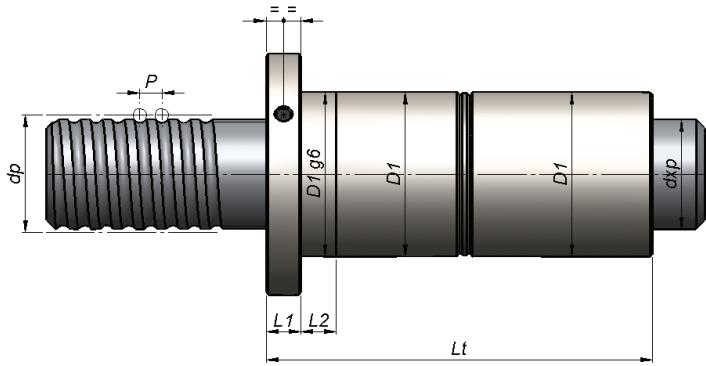
● RANGE OF PRODUCTION

		Lead																	
nc		5	6	8		10	12	15	16		20	25		30		40	50	60	
		2	4	5	2	4	5	2	3	4	5	6	3	5	6	3	5	6	3
Diameter	20	R	R	R	R	R	R												
	25	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	32	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	40	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	50	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	63	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	80	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	100				R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	120					R	R	R	R	R	R	R	R	R	R	R	R	R	R
	125					R	R	R	R	R	R	R	R	R	R	R	R	R	R
	140						R	R	R	R	R	R	R	R	R	R	R	R	R
	160						R	R	R	R	R	R	R	R	R	R	R	R	R
	180						R	R	R	R	R	R	R	R	R	R	R	R	R
	200						R	R	R	R	R	R	R	R	R	R	R	R	R
	220						R	R	R	R	R	R	R	R	R	R	R	R	R
	240						R	R	R	R	R	R	R	R	R	R	R	R	R
	260						R	R	R	R	R	R	R	R	R	R	R	R	R
	280						R	R	R	R	R	R	R	R	R	R	R	R	R
	300						R	R	R	R	R	R	R	R	R	R	R	R	R



DOUBLE NUT FLANGED (RADIAL DEFLECTORS)

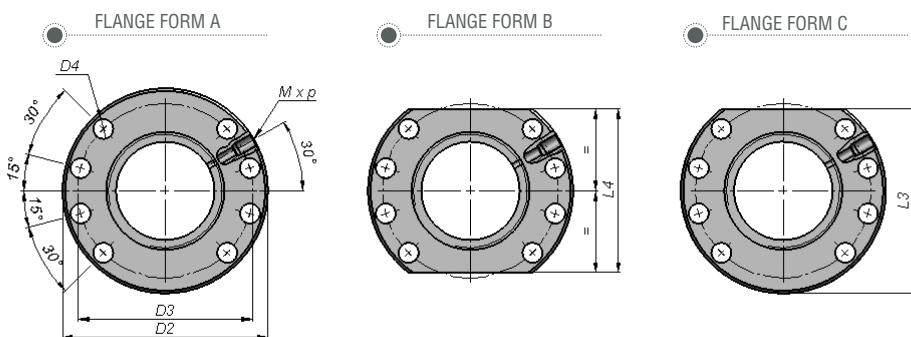
DOUBLE NUT FLANGED RADIAL DEFLECTORS



CODE	d	p	Øball	N_c	LT	Coa	Ca	
					$\pm 0,1$	N	N	
DNF 020x05-04-2 -R	20	5	3,969	2	70	17.158	11.258	
DNF 020x05-04-4 -R				4	90	34.317	20.435	
DNF 020x05-04-5 -R				5	105	42.896	24.758	
DNF 020x06-04-2 -R		6		2	75	17.137	11.258	
DNF 020x06-04-4 -R				4	104	34.275	20.435	
DNF 020x06-04-5 -R				5	117	42.843	24.758	
DNF 025x05-04-2 -R	25	5	3,969	2	70	22.781	13.033	
DNF 025x05-04-4 -R				4	90	45.562	23.655	
DNF 025x05-04-5 -R				5	105	56.952	28.659	
DNF 025x06-04-2 -R				2	75	22.763	13.033	
DNF 025x06-04-4 -R				4	104	45.525	23.655	
DNF 025x06-04-5 -R		6		5	117	56.907	28.659	
DNF 025x08-05-2 -R				2	90	25.341	15.877	
DNF 025x08-05-4 -R				4	130	50.682	28.818	
DNF 025x08-05-5 -R				5	150	63.353	34.914	
DNF 025x10-05-3 -R		8	4,762	3	120	37.915	22.502	
DNF 025x10-05-5 -R				5	165	63.192	34.914	
DNF 025x10-05-6 -R				6	185	75.830	40.841	
DNF 032x05-04-2 -R	32	5	3,969	2	70	31.227	15.195	
DNF 032x05-04-4 -R				4	92	62.455	27.579	
DNF 032x05-04-5 -R				5	105	78.068	33.414	
DNF 032x06-04-2 -R				2	80	31.212	15.195	
DNF 032x06-04-4 -R				4	106	62.423	27.579	
DNF 032x06-04-5 -R		6		5	119	78.029	33.414	
DNF 032x08-06-2 -R				2	106	43.182	25.928	
DNF 032x08-06-4 -R				4	140	86.363	47.060	
DNF 032x08-06-5 -R				5	157	107.954	57.015	
DNF 032x10-06-3 -R		8	6,35	3	135	64.671	36.745	
DNF 032x10-06-5 -R				5	176	107.786	57.015	
DNF 032x10-06-6 -R				6	197	129.343	66.694	
DNF 032x12-06-3 -R				3	150	64.549	36.745	
DNF 032x12-06-5 -R				5	202	107.582	57.015	
DNF 032x12-06-6 -R		12		6	215	129.098	66.694	

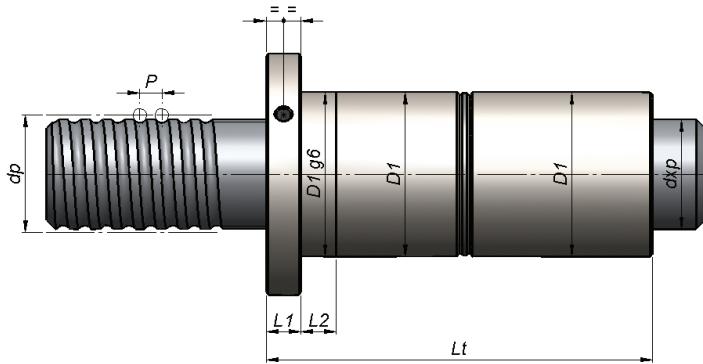
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

DNF radial



D1g6	D2	D3	D4	N° of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
36	58	47	6,6	6	M6	10	10	51	44	DNF 020x05-04-2 -R
36	58	47	6,6	6	M6	10	10	51	44	DNF 020x05-04-4 -R
36	58	47	6,6	6	M6	10	10	51	44	DNF 020x05-04-5 -R
36	58	47	6,6	6	M6	10	10	51	44	DNF 020x06-04-2 -R
36	58	47	6,6	6	M6	10	10	51	44	DNF 020x06-04-4 -R
36	58	47	6,6	6	M6	10	10	51	44	DNF 020x06-04-5 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x05-04-2 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x05-04-4 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x05-04-5 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x06-04-2 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x06-04-4 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x06-04-5 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x08-05-2 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x08-05-4 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x08-05-5 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x10-05-3 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x10-05-5 -R
40	62	51	6,6	6	M6	10	10	55	48	DNF 025x10-05-6 -R
50	80	65	9	6	M6	12	10	66	55	DNF 032x05-04-2 -R
50	80	65	9	6	M6	12	10	66	55	DNF 032x05-04-4 -R
50	80	65	9	6	M6	12	10	66	55	DNF 032x05-04-5 -R
50	80	65	9	6	M6	12	10	66	55	DNF 032x06-04-2 -R
50	80	65	9	6	M6	12	10	66	55	DNF 032x06-04-4 -R
50	80	65	9	6	M6	12	10	66	55	DNF 032x06-04-5 -R
50	80	65	9	6	M6	12	16	66	55	DNF 032x08-06-2 -R
50	80	65	9	6	M6	12	16	66	55	DNF 032x08-06-4 -R
50	80	65	9	6	M6	12	16	66	55	DNF 032x08-06-5 -R
50	80	65	9	6	M6	12	16	66	55	DNF 032x10-06-3 -R
50	80	65	9	6	M6	12	16	66	55	DNF 032x10-06-5 -R
50	80	65	9	6	M6	12	16	66	55	DNF 032x10-06-6 -R
50	80	65	9	6	M6	12	16	66	55	DNF 032x12-06-3 -R
50	80	65	9	6	M6	12	16	66	55	DNF 032x12-06-5 -R
50	80	65	9	6	M6	12	16	66	55	DNF 032x12-06-6 -R

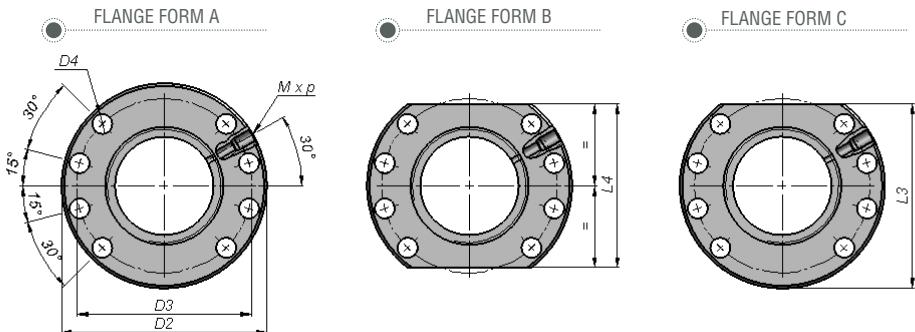
DOUBLE NUT FLANGED RADIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT	Coa	Ca	
					±0,1	N	N	
DNF 040x05-04-2 -R	40	5	3,969	2	75	39.739	16.851	
DNF 040x05-04-4 -R				4	95	79.478	30.585	
DNF 040x05-04-5 -R				5	105	99.347	37.055	
DNF 040x06-04-2 -R				2	83	39.726	16.851	
DNF 040x06-04-4 -R		6		4	108	79.452	30.585	
DNF 040x06-04-5 -R				5	120	99.315	37.055	
DNF 040x08-06-3 -R		8		3	125	85.996	42.498	
DNF 040x08-06-5 -R				5	159	143.327	65.941	
DNF 040x08-06-6 -R				6	175	171.992	77.135	
DNF 040x10-06-3 -R				3	137	85.908	42.498	
DNF 040x10-06-5 -R		10	6,35	5	178	143.180	65.941	
DNF 040x10-06-6 -R				6	199	171.816	77.135	
DNF 040x12-06-3 -R				3	156	85.801	42.498	
DNF 040x12-06-5 -R				5	206	143.001	65.941	
DNF 040x12-06-6 -R		12		6	230	171.601	77.135	
DNF 040x16-08-3 -R				3	208	97.826	54.287	
DNF 040x16-08-5 -R				5	274	163.043	84.234	
DNF 040x16-08-6 -R				6	307	195.652	98.533	
DNF 040x20-08-3 -R	50	16	7,938	3	227	105.560	57.263	
DNF 040x20-08-5 -R				5	309	175.934	88.851	
DNF 040x20-08-6 -R				6	350	211.121	103.934	
DNF 050x05-04-2 -R		5	3,969	2	80	51.074	18.741	
DNF 050x05-04-4 -R				4	95	102.147	34.015	
DNF 050x05-04-5 -R				5	105	127.684	41.211	
DNF 050x06-04-2 -R				2	85	51.063	18.741	
DNF 050x06-04-4 -R		6		4	110	102.125	34.015	
DNF 050x06-04-5 -R				5	123	127.657	41.211	
DNF 050x08-06-2 -R		8	6,35	2	110	75.085	34.094	
DNF 050x08-06-4 -R				4	144	150.171	61.882	
DNF 050x08-06-5 -R				5	161	187.713	74.973	
DNF 050x10-06-3 -R				3	140	112.553	48.319	
DNF 050x10-06-5 -R		10		5	180	187.588	74.973	
DNF 050x10-06-6 -R				6	200	225.105	87.700	
DNF 050x12-08-3 -R		12	7,938	3	165	132.895	63.592	
DNF 050x12-08-5 -R				5	215	221.491	98.672	
DNF 050x12-08-6 -R				6	251	265.790	115.422	
DNF 050x16-10-3 -R				3	210	155.307	79.909	
DNF 050x16-10-5 -R		16		5	275	258.845	123.989	
DNF 050x16-10-6 -R				6	305	310.615	145.037	
DNF 050x20-10-3 -R		20		3	230	154.911	79.909	
DNF 050x20-10-5 -R				5	315	258.184	123.989	
DNF 050x20-10-6 -R				6	355	309.821	145.037	

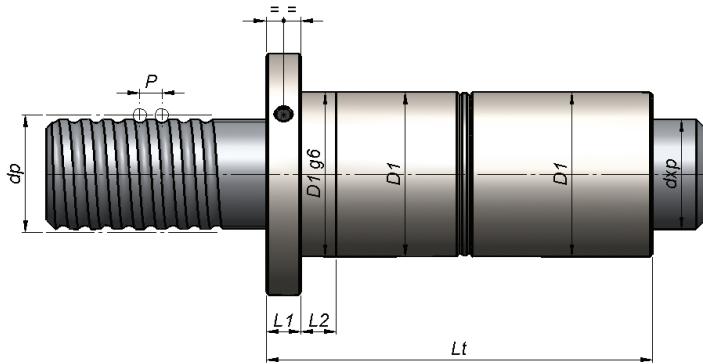
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

DNF radial



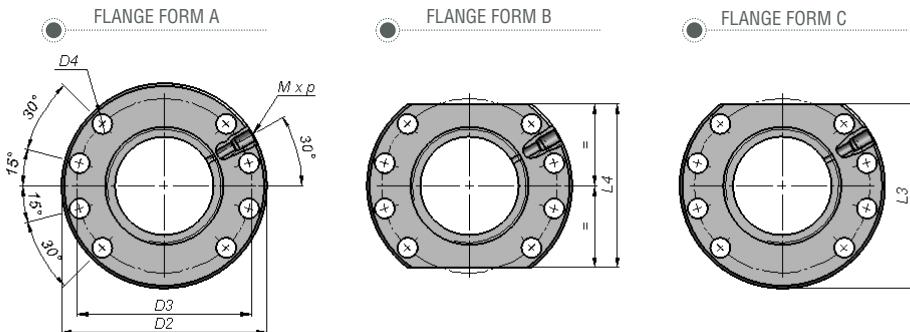
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
63	93	78	9	8	M8x1	14	10	81,5	70	DNF 040x05-04-2 -R
63	93	78	9	8	M8x1	14	10	81,5	70	DNF 040x05-04-4 -R
63	93	78	9	8	M8x1	14	10	81,5	70	DNF 040x05-04-5 -R
63	93	78	9	8	M8x1	14	10	81,5	70	DNF 040x06-04-2 -R
63	93	78	9	8	M8x1	14	10	81,5	70	DNF 040x06-04-4 -R
63	93	78	9	8	M8x1	14	10	81,5	70	DNF 040x06-04-5 -R
63	93	78	9	8	M8x1	14	16	81,5	70	DNF 040x08-06-3 -R
63	93	78	9	8	M8x1	14	16	81,5	70	DNF 040x08-06-5 -R
63	93	78	9	8	M8x1	14	16	81,5	70	DNF 040x08-06-6 -R
63	93	78	9	8	M8x1	14	16	81,5	70	DNF 040x10-06-3 -R
63	93	78	9	8	M8x1	14	16	81,5	70	DNF 040x10-06-5 -R
63	93	78	9	8	M8x1	14	16	81,5	70	DNF 040x10-06-6 -R
63	93	78	9	8	M8x1	14	16	81,5	70	DNF 040x12-06-3 -R
63	93	78	9	8	M8x1	14	16	81,5	70	DNF 040x12-06-5 -R
63	93	78	9	8	M8x1	14	16	81,5	70	DNF 040x12-06-6 -R
75	110	93	11	8	M8x1	20	25	97,5	85	DNF 040x16-08-3 -R
75	110	93	11	8	M8x1	20	25	97,5	85	DNF 040x16-08-5 -R
75	110	93	11	8	M8x1	20	25	97,5	85	DNF 040x16-08-6 -R
75	110	93	11	8	M8x1	20	25	97,5	85	DNF 040x20-08-3 -R
75	110	93	11	8	M8x1	20	25	97,5	85	DNF 040x20-08-5 -R
75	110	93	11	8	M8x1	20	25	97,5	85	DNF 040x20-08-6 -R
75	110	93	11	8	M8x1	16	10	97,5	85	DNF 050x05-04-2 -R
75	110	93	11	8	M8x1	16	10	97,5	85	DNF 050x05-04-4 -R
75	110	93	11	8	M8x1	16	10	97,5	85	DNF 050x05-04-5 -R
75	110	93	11	8	M8x1	16	10	97,5	85	DNF 050x06-04-2 -R
75	110	93	11	8	M8x1	16	10	97,5	85	DNF 050x06-04-4 -R
75	110	93	11	8	M8x1	16	10	97,5	85	DNF 050x06-04-5 -R
75	110	93	11	8	M8x1	16	10	97,5	85	DNF 050x06-04-6 -R
75	110	93	11	8	M8x1	16	10	97,5	85	DNF 050x08-06-2 -R
75	110	93	11	8	M8x1	16	16	97,5	85	DNF 050x08-06-4 -R
75	110	93	11	8	M8x1	16	16	97,5	85	DNF 050x08-06-5 -R
75	110	93	11	8	M8x1	16	16	97,5	85	DNF 050x10-06-3 -R
75	110	93	11	8	M8x1	16	16	97,5	85	DNF 050x10-06-5 -R
75	110	93	11	8	M8x1	16	16	97,5	85	DNF 050x10-06-6 -R
75	110	93	11	8	M8x1	16	16	97,5	85	DNF 050x12-08-3 -R
75	110	93	11	8	M8x1	16	16	97,5	85	DNF 050x12-08-5 -R
75	110	93	11	8	M8x1	16	16	97,5	85	DNF 050x12-08-6 -R
85	120	103	11	8	M8x1	20	25	107,5	95	DNF 050x16-10-3 -R
85	120	103	11	8	M8x1	20	25	107,5	95	DNF 050x16-10-5 -R
85	120	103	11	8	M8x1	20	25	107,5	95	DNF 050x16-10-6 -R
85	120	103	11	8	M8x1	20	25	107,5	95	DNF 050x20-10-3 -R
85	120	103	11	8	M8x1	20	25	107,5	95	DNF 050x20-10-5 -R
85	120	103	11	8	M8x1	20	25	107,5	95	DNF 050x20-10-6 -R

DOUBLE NUT FLANGED RADIAL DEFLECTORS



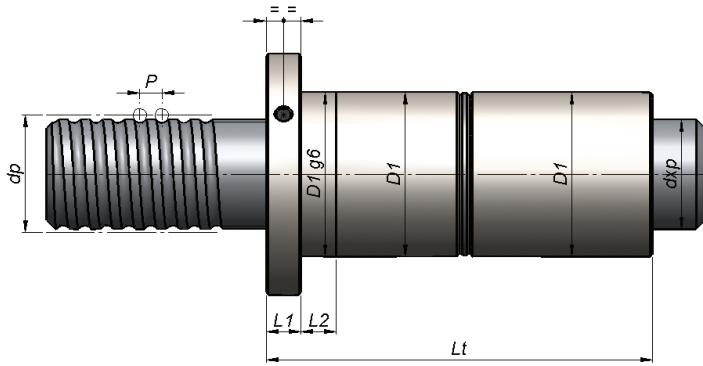
CODE	d	p	$\varnothing_{\text{ball}}$	Nc	LT	Coa	Ca
					$\pm 0,1$	N	N
DNF 063x05-04-2 -R	63	5	3,969	2	80	65.267	20.666
DNF 063x05-04-4 -R				4	100	130.534	37.509
DNF 063x05-04-5 -R				5	112	163.168	45.444
DNF 063x08-06-2 -R		8	6,35	2	112	99.947	38.884
DNF 063x08-06-4 -R				4	144	199.893	70.577
DNF 063x08-06-5 -R				5	160	249.867	85.508
DNF 063x10-06-3 -R		10	6,35	3	140	149.856	55.108
DNF 063x10-06-5 -R				5	180	249.759	85.508
DNF 063x10-06-6 -R				6	200	299.711	100.023
DNF 063x12-06-3 -R	12	12	9,525	3	160	149.777	55.108
DNF 063x12-06-5 -R				5	210	249.628	85.508
DNF 063x12-06-6 -R				6	234	299.554	100.023
DNF 063x15-10-3 -R				3	203	206.382	92.064
DNF 063x15-10-5 -R				5	265	343.971	142.850
DNF 063x15-10-6 -R				6	296	412.765	167.100
DNF 063x16-10-3 -R	20	20	12,7	3	215	206.309	92.064
DNF 063x16-10-5 -R				5	281	343.848	142.850
DNF 063x16-10-6 -R				6	313	412.617	167.100
DNF 063x20-10-3 -R				3	233	217.147	94.847
DNF 063x20-10-5 -R				5	315	343.278	142.850
DNF 063x20-10-6 -R				6	377	411.934	167.100
DNF 063x20-13-3 -R				3	264	254.155	128.229
DNF 063x20-13-5 -R				5	346	423.591	198.965
DNF 063x20-13-6 -R				6	387	508.309	232.741
DNF 080x10-06-3 -R	80	10	6,35	3	145	192.741	61.045
DNF 080x10-06-5 -R				5	185	321.235	94.720
DNF 080x10-06-6 -R				6	205	385.482	110.799
DNF 080x12-06-3 -R		12	9,525	3	162	192.678	61.045
DNF 080x12-06-5 -R				5	212	321.129	94.720
DNF 080x12-06-6 -R				6	236	385.355	110.799
DNF 080x15-06-3 -R		15	12,7	3	176	192.561	61.045
DNF 080x15-06-5 -R				5	238	320.934	94.720
DNF 080x15-06-6 -R				6	269	385.121	110.799
DNF 080x16-10-3 -R		16	9,525	3	220	282.651	107.233
DNF 080x16-10-5 -R				5	280	471.084	166.387
DNF 080x16-10-6 -R				6	318	565.301	194.632
DNF 080x20-10-3 -R		20	12,7	3	240	288.683	108.460
DNF 080x20-10-5 -R				5	340	481.139	168.290
DNF 080x20-10-6 -R				6	360	577.367	196.859
DNF 080x20-13-3 -R		20	15,875	3	170	344.683	149.889
DNF 080x20-13-5 -R				5	245	574.472	232.573
DNF 080x20-13-6 -R				6	385	689.367	272.054
DNF 080x25-10-3 -R		25	9,525	3	282	281.891	107.233
DNF 080x25-10-5 -R				5	385	469.819	166.387
DNF 080x25-10-6 -R				6	440	563.783	194.632
DNF 080x25-13-3 -R		25	12,7	3	292	344.132	149.889
DNF 080x25-13-5 -R				5	392	573.554	232.573
DNF 080x25-13-6 -R				6	442	688.265	272.054
DNF 080x25-16-3 -R		25	15,875	3	323	430.448	201.650
DNF 080x25-16-5 -R				5	423	717.414	312.887
DNF 080x25-16-6 -R				6	473	860.897	366.002

DNF radial



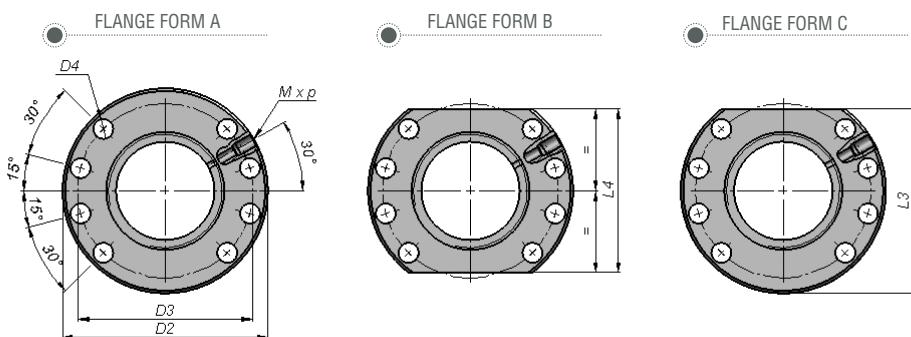
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2			
90	125	108	11	8	M8x1	18	10	110	95	DNF 063x05-04-2 -R
90	125	108	11	8	M8x1	18	10	110	95	DNF 063x05-04-4 -R
90	125	108	11	8	M8x1	18	10	110	95	DNF 063x05-04-5 -R
90	125	108	11	8	M8x1	18	16	110	95	DNF 063x08-06-2 -R
90	125	108	11	8	M8x1	18	16	110	95	DNF 063x08-06-4 -R
90	125	108	11	8	M8x1	18	16	110	95	DNF 063x08-06-5 -R
90	125	108	11	8	M8x1	18	16	110	95	DNF 063x10-06-3 -R
90	125	108	11	8	M8x1	18	16	110	95	DNF 063x10-06-5 -R
90	125	108	11	8	M8x1	18	16	110	95	DNF 063x10-06-6 -R
90	125	108	11	8	M8x1	18	16	110	95	DNF 063x12-06-3 -R
90	125	108	11	8	M8x1	18	16	110	95	DNF 063x12-06-5 -R
90	125	108	11	8	M8x1	18	16	110	95	DNF 063x12-06-6 -R
95	128	111,5	11	8	M8x1	18	16	114	100	DNF 063x15-10-3 -R
95	128	111,5	11	8	M8x1	18	16	114	100	DNF 063x15-10-5 -R
95	128	111,5	11	8	M8x1	18	16	114	100	DNF 063x15-10-6 -R
95	128	111,5	11	8	M8x1	20	25	114	100	DNF 063x16-10-3 -R
95	128	111,5	11	8	M8x1	20	25	114	100	DNF 063x16-10-5 -R
95	128	111,5	11	8	M8x1	20	25	114	100	DNF 063x16-10-6 -R
95	135	115	13,5	8	M8x1	20	25	117,5	100	DNF 063x20-10-3 -R
95	135	115	13,5	8	M8x1	20	25	117,5	100	DNF 063x20-10-5 -R
95	135	115	13,5	8	M8x1	20	25	117,5	100	DNF 063x20-10-6 -R
105	145	125	13,5	8	M8x1	20	25	127,5	110	DNF 063x20-13-3 -R
105	145	125	13,5	8	M8x1	20	25	127,5	110	DNF 063x20-13-5 -R
105	145	125	13,5	8	M8x1	20	25	127,5	110	DNF 063x20-13-6 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	DNF 080x10-06-3 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	DNF 080x10-06-5 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	DNF 080x10-06-6 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	DNF 080x12-06-3 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	DNF 080x12-06-5 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	DNF 080x12-06-6 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	DNF 080x15-06-3 -R
105	145	125	13,5	8	M8x1	20	16	127,5	110	DNF 080x15-06-6 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	DNF 080x16-10-3 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	DNF 080x16-10-5 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	DNF 080x16-10-6 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	DNF 080x20-10-3 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	DNF 080x20-10-5 -R
125	165	145	13,5	8	M8x1	25	25	147,5	130	DNF 080x20-10-6 -R
125	165	145	13,5	8	M8x1	25	30	147,5	130	DNF 080x25-10-3 -R
125	165	150	13,5	8	M8x1	25	30	147,5	130	DNF 080x25-10-5 -R
125	165	150	13,5	8	M8x1	25	30	147,5	130	DNF 080x25-10-6 -R
125	165	150	13,5	8	M8x1	25	30	147,5	130	DNF 080x25-13-3 -R
125	165	150	13,5	8	M8x1	25	30	147,5	130	DNF 080x25-13-5 -R
135	175	150	13,5	8	M8x1	25	30	157,5	140	DNF 080x25-16-3 -R
135	175	150	13,5	8	M8x1	25	30	157,5	140	DNF 080x25-16-5 -R
135	175	150	13,5	8	M8x1	25	30	157,5	140	DNF 080x25-16-6 -R

DOUBLE NUT FLANGED RADIAL DEFLECTORS



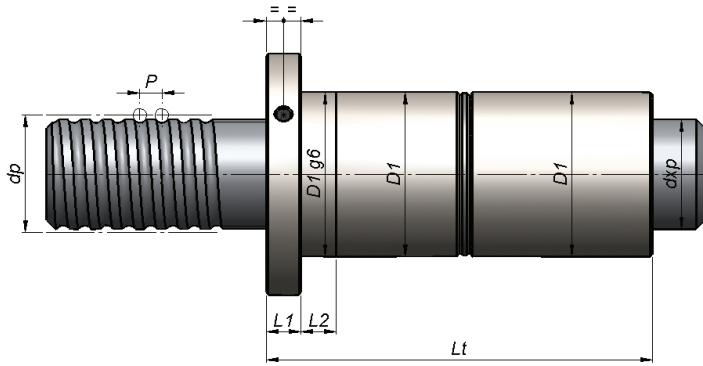
CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
DNF 100x10-06-3 -R	100	10	6,35	3	145	246.282	67.454
DNF 100x10-06-5 -R				5	186	410.470	104.664
DNF 100x10-06-6 -R				6	207	492.564	122.432
DNF 100x12-06-3 -R			12	3	164	246.230	67.454
DNF 100x12-06-5 -R				5	214	410.383	104.664
DNF 100x12-06-6 -R				6	238	492.459	122.432
DNF 100x16-10-3 -R		16	9,525	3	225	372.059	121.460
DNF 100x16-10-5 -R				5	285	620.098	188.462
DNF 100x16-10-6 -R				6	323	744.118	220.455
DNF 100x20-10-3 -R			20	3	243	371.805	121.460
DNF 100x20-10-5 -R				5	345	619.674	188.462
DNF 100x20-10-6 -R				6	387	743.609	220.455
DNF 100x20-13-3 -R		25	12,7	3	270	458.016	171.983
DNF 100x20-13-5 -R				5	350	763.360	266.855
DNF 100x20-13-6 -R				6	390	916.032	312.155
DNF 100x25-10-3 -R			9,525	3	287	371.408	121.460
DNF 100x25-10-5 -R				5	390	619.013	188.462
DNF 100x25-10-6 -R				6	441	742.816	220.455
DNF 100x25-13-3 -R		12,7	12,7	3	297	457.537	171.983
DNF 100x25-13-5 -R				5	425	762.561	266.855
DNF 100x25-13-6 -R				6	476	915.074	312.155
DNF 100x25-16-3 -R			15,875	3	328	571.828	233.116
DNF 100x25-16-5 -R				5	431	953.047	361.711
DNF 100x25-16-6 -R				6	482	1.143.656	423.115
DNF 120x10-06-3 -R	120	10	6,35	3	145	299.850	72.935
DNF 120x10-06-5 -R				5	186	499.749	113.169
DNF 120x10-06-6 -R				6	207	599.699	132.380
DNF 120x12-06-3 -R			12	3	164	299.805	72.935
DNF 120x12-06-5 -R				5	214	499.675	113.169
DNF 120x12-06-6 -R				6	238	599.610	132.380
DNF 120x16-10-3 -R		16	9,525	3	225	449.162	130.943
DNF 120x16-10-5 -R				5	291	748.603	203.175
DNF 120x16-10-6 -R				6	323	898.324	237.666
DNF 120x20-10-3 -R			20	3	243	448.946	130.943
DNF 120x20-10-5 -R				5	346	748.244	203.175
DNF 120x20-10-6 -R				6	387	897.892	237.666
DNF 120x20-13-3 -R		25	12,7	3	274	571.681	190.295
DNF 120x20-13-5 -R				5	356	952.801	295.268
DNF 120x20-13-6 -R				6	395	1.143.362	345.392
DNF 120x25-10-3 -R			9,525	3	287	448.610	130.943
DNF 120x25-10-5 -R				5	390	747.683	203.175
DNF 120x25-10-6 -R				6	441	897.219	237.666
DNF 120x25-13-3 -R		12,7	12,7	3	297	571.259	190.295
DNF 120x25-13-5 -R				5	425	952.099	295.268
DNF 120x25-13-6 -R				6	476	1.142.519	345.392
DNF 120x25-16-3 -R			15,875	3	328	713.695	259.099
DNF 120x25-16-5 -R				5	431	1.189.491	402.028
DNF 120x25-16-6 -R				6	482	1.427.389	470.275

DNF radial



D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2			
125	165	145	13,5	8	M8x1	22	16	147,5	130	DNF 100x10-06-3 -R
125	165	145	13,5	8	M8x1	22	16	147,5	130	DNF 100x10-06-5 -R
125	165	145	13,5	8	M8x1	22	16	147,5	130	DNF 100x10-06-6 -R
125	165	145	13,5	8	M8x1	22	16	147,5	130	DNF 100x12-06-3 -R
125	165	145	13,5	8	M8x1	22	16	147,5	130	DNF 100x12-06-5 -R
125	165	145	13,5	8	M8x1	22	16	147,5	130	DNF 100x12-06-6 -R
135	185	160	17,5	8	M8x1	30	25	167,5	150	DNF 100x16-10-3 -R
135	185	160	17,5	8	M8x1	30	25	167,5	150	DNF 100x16-10-5 -R
135	185	160	17,5	8	M8x1	30	25	167,5	150	DNF 100x16-10-6 -R
135	185	160	17,5	8	M8x1	30	25	167,5	150	DNF 100x20-10-3 -R
135	185	160	17,5	8	M8x1	30	25	167,5	150	DNF 100x20-10-5 -R
135	185	160	17,5	8	M8x1	30	25	167,5	150	DNF 100x20-10-6 -R
150	202	176	17,5	8	M8x1	30	25	178,5	155	DNF 100x20-13-3 -R
150	202	176	17,5	8	M8x1	30	25	178,5	155	DNF 100x20-13-5 -R
150	202	176	17,5	8	M8x1	30	25	178,5	155	DNF 100x20-13-6 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-10-3 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-10-5 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-10-6 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-13-3 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-13-5 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-13-6 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-16-3 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-16-5 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-16-6 -R
150	212	186	17,5	8	M8x1	25	16	188,5	165	DNF 120x10-06-3 -R
150	212	186	17,5	8	M8x1	25	16	188,5	165	DNF 120x10-06-5 -R
150	212	186	17,5	8	M8x1	25	16	188,5	165	DNF 120x10-06-6 -R
160	212	186	17,5	8	M8x1	22	16	188,5	165	DNF 120x12-06-3 -R
160	212	186	17,5	8	M8x1	22	16	188,5	165	DNF 120x12-06-5 -R
160	212	186	17,5	8	M8x1	22	16	188,5	165	DNF 120x12-06-6 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 120x16-10-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 120x16-10-6 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 120x20-10-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 120x20-10-5 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 120x20-13-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 120x20-13-6 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 120x25-10-3 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 120x25-10-5 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 120x25-10-6 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 120x25-13-3 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 120x25-13-5 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 120x25-16-3 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 120x25-16-5 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 120x25-16-6 -R

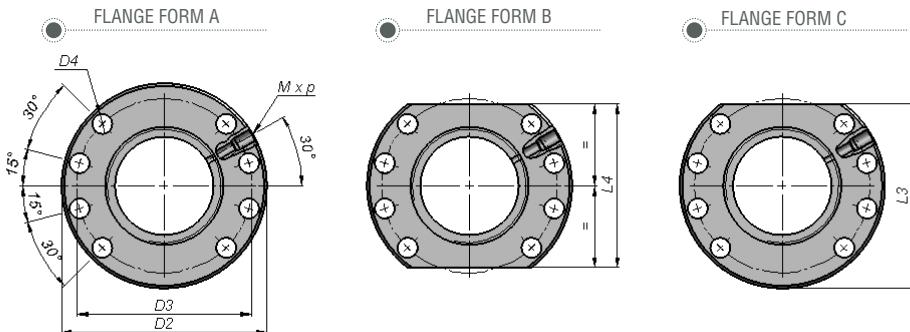
DOUBLE NUT FLANGED RADIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
DNF 125x10-06-3 -R	125	10	6,35	3	145	310.612	73.780
DNF 125x10-06-5 -R				5	186	517.686	114.480
DNF 125x10-06-6 -R				6	210	621.224	133.914
DNF 125x12-06-3 -R		12	9,525	3	165	310.569	73.780
DNF 125x12-06-5 -R				5	215	517.615	114.480
DNF 125x12-06-6 -R				6	240	621.138	133.914
DNF 125x16-10-3 -R		16	12,7	3	225	474.682	134.302
DNF 125x16-10-5 -R				5	291	791.136	208.388
DNF 125x16-10-6 -R				6	323	949.363	243.764
DNF 125x20-10-3 -R		20	15,875	3	243	474.471	134.302
DNF 125x20-10-5 -R				5	346	790.785	208.388
DNF 125x20-10-6 -R				6	387	948.942	243.764
DNF 125x20-13-3 -R		25	12,7	3	275	594.624	193.249
DNF 125x20-13-5 -R				5	355	991.040	299.853
DNF 125x20-13-6 -R				6	395	1.189.248	350.755
DNF 125x25-10-3 -R	140	20	9,525	3	287	474.143	134.302
DNF 125x25-10-5 -R				5	390	790.238	208.388
DNF 125x25-10-6 -R				6	441	948.285	243.764
DNF 125x25-13-3 -R		25	12,7	3	297	594.219	193.249
DNF 125x25-13-5 -R				5	400	990.365	299.853
DNF 125x25-13-6 -R				6	450	1.188.437	350.755
DNF 125x25-16-3 -R		160	15,875	3	328	749.209	264.966
DNF 125x25-16-5 -R				5	431	1.248.682	411.130
DNF 125x25-16-6 -R				6	482	1.498.418	480.923
DNF 140x20-13-4 -R	180	20	12,7	4	332	914.043	263.902
DNF 140x20-13-6 -R				6	372	1.371.064	374.008
DNF 140x25-13-4 -R		25	15,875	4	349	913.542	263.902
DNF 140x25-13-6 -R				6	476	1.370.313	374.008
DNF 140x25-16-4 -R		20	12,7	4	380	1.141.109	360.352
DNF 140x25-16-6 -R				6	480	1.711.664	510.700
DNF 160x20-13-4 -R	180	20	12,7	4	325	1.065.997	281.751
DNF 160x20-13-6 -R				6	407	1.598.995	399.304
DNF 160x25-13-4 -R				4	359	1.065.547	281.751
DNF 160x25-13-6 -R		25	15,875	6	486	1.598.320	399.304
DNF 160x25-16-4 -R				4	398	1.330.847	385.466
DNF 160x25-16-6 -R				6	492	1.996.270	546.291
DNF 160x25-20-4 -R		19,05	15,875	4	394	1.575.909	492.596
DNF 160x25-20-6 -R				6	495	2.363.864	698.119
DNF 180x20-13-4 -R		20	12,7	4	325	1.218.052	297.833
DNF 180x20-13-6 -R				6	407	1.827.078	422.096
DNF 180x25-13-4 -R		25	15,875	4	364	1.217.643	297.833
DNF 180x25-13-6 -R				6	491	1.826.464	422.096
DNF 180x25-16-4 -R		19,05	15,875	4	395	1.520.729	408.015
DNF 180x25-16-6 -R				6	497	2.281.093	578.248
DNF 180x25-20-4 -R		19,05	15,875	4	400	1.781.701	518.582
DNF 180x25-20-6 -R				6	502	2.672.551	734.946

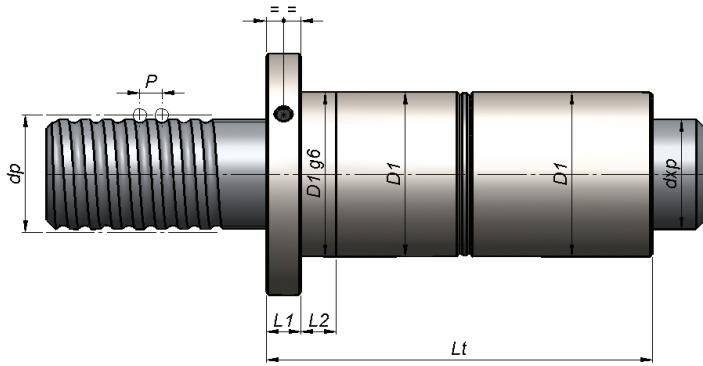
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

DNF radial



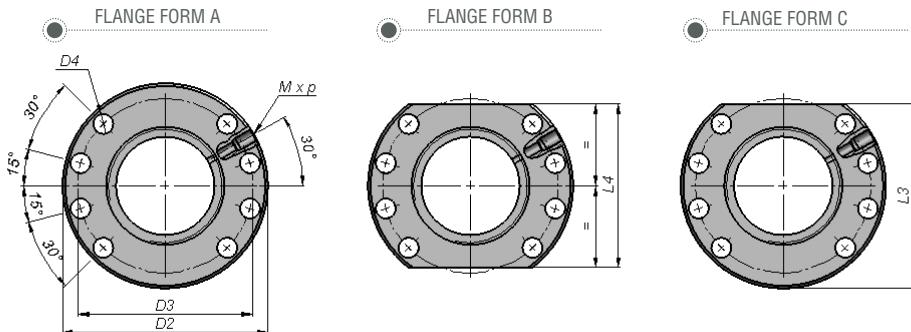
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
150	202	176	17,5	8	M8x1	22	16	178,5	155	DNF 125x10-06-3 -R
150	202	176	17,5	8	M8x1	22	16	178,5	155	DNF 125x10-06-5 -R
150	202	176	17,5	8	M8x1	22	16	178,5	155	DNF 125x10-06-6 -R
160	210	185	17,5	8	M8x1	25	16	186,5	163	DNF 125x12-06-3 -R
165	210	185	17,5	8	M8x1	25	16	186,5	163	DNF 125x12-06-5 -R
165	210	185	17,5	8	M8x1	25	16	186,5	163	DNF 125x12-06-6 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 125x16-10-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 125x16-10-5 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 125x16-10-6 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 125x20-10-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 125x20-10-5 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 125x20-10-6 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 125x20-13-3 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 125x20-13-5 -R
170	222	196	17,5	8	M8x1	30	25	198,5	175	DNF 125x20-13-6 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 125x25-10-3 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 125x25-10-5 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 125x25-10-6 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 125x25-13-3 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 125x25-13-5 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	DNF 125x25-13-6 -R
180	232	206	17,5	8	M8x1	30	30	208,5	185	DNF 125x25-16-3 -R
180	232	206	17,5	8	M8x1	30	30	208,5	185	DNF 125x25-16-5 -R
180	232	206	17,5	8	M8x1	30	30	208,5	185	DNF 125x25-16-6 -R
190	242	216	17,5	8	M8x1	25	25	218,5	195	DNF 140x20-13-4 -R
190	242	216	17,5	8	M8x1	25	25	218,5	195	DNF 140x20-13-6 -R
190	242	216	17,5	8	M8x1	30	30	218,5	195	DNF 140x25-13-4 -R
190	242	216	17,5	8	M8x1	30	30	218,5	195	DNF 140x25-13-6 -R
190	242	216	17,5	8	M8x1	30	30	218,5	195	DNF 140x25-16-4 -R
190	242	216	17,5	8	M8x1	30	30	218,5	195	DNF 140x25-16-6 -R
210	275	243	22	8	M10x1	40	30	245	215	DNF 160x20-13-4 -R
210	275	243	22	8	M10x1	40	30	245	215	DNF 160x20-13-6 -R
210	275	243	22	8	M10x1	40	30	245	215	DNF 160x25-13-4 -R
210	275	243	22	8	M10x1	40	30	245	215	DNF 160x25-13-6 -R
210	275	243	22	8	M10x1	40	30	245	215	DNF 160x25-16-4 -R
210	275	243	22	8	M10x1	40	30	245	215	DNF 160x25-16-6 -R
220	290	246	22	8	M10x1	40	30	257,5	225	DNF 160x25-20-4 -R
220	290	246	22	8	M10x1	40	30	257,5	225	DNF 160x25-20-6 -R
230	300	256	22	8	M10x1	40	25	267,5	235	DNF 180x20-13-4 -R
230	300	256	22	8	M10x1	40	25	267,5	235	DNF 180x20-13-6 -R
230	300	256	22	8	M10x1	40	30	267,5	235	DNF 180x25-13-4 -R
230	300	256	22	8	M10x1	40	30	267,5	235	DNF 180x25-13-6 -R
230	300	256	22	8	M10x1	40	30	267,5	235	DNF 180x25-16-4 -R
230	300	256	22	8	M10x1	40	30	267,5	235	DNF 180x25-16-6 -R
240	310	266	22	8	M10x1	40	30	277,5	245	DNF 180x25-20-4 -R
240	310	266	22	8	M10x1	40	30	277,5	245	DNF 180x25-20-6 -R

DOUBLE NUT FLANGED RADIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
DNF 200x20-13-4 -R	200	20	12,7	4	310	1.370.176	312.530
DNF 200x20-13-6 -R				6	392	2.055.265	442.925
DNF 200x25-13-4 -R				4	349	1.369.802	312.530
DNF 200x25-13-6 -R				6	476	2.054.703	442.925
DNF 200x25-16-4 -R		25	15,875	4	380	1.710.711	428.564
DNF 200x25-16-6 -R				6	482	2.566.067	607.371
DNF 200x25-20-4 -R				4	384	2.053.733	554.285
DNF 200x25-20-6 -R				6	487	3.080.599	785.546
DNF 220x20-13-4 -R	220	20	12,7	4	310	1.522.351	326.110
DNF 220x20-13-6 -R				6	392	2.283.527	462.171
DNF 220x25-13-4 -R				4	349	1.522.006	326.110
DNF 220x25-13-6 -R				6	476	2.283.010	462.171
DNF 220x25-16-4 -R		25	15,875	4	380	1.900.765	447.507
DNF 220x25-16-6 -R				6	482	2.851.148	634.217
DNF 220x25-20-4 -R				4	384	2.259.722	575.543
DNF 220x25-20-6 -R				6	487	3.389.582	815.673
DNF 240x20-13-4 -R	240	20	12,7	4	310	1.674.564	338.766
DNF 240x20-13-6 -R				6	392	2.511.846	480.107
DNF 240x25-13-4 -R				4	349	1.674.244	338.766
DNF 240x25-13-6 -R				6	476	2.511.366	480.107
DNF 240x25-16-4 -R		25	15,875	4	380	2.090.872	465.128
DNF 240x25-16-6 -R				6	482	3.136.309	659.190
DNF 240x25-20-4 -R				4	384	2.465.669	595.387
DNF 240x25-20-6 -R				6	487	3.698.503	843.797
DNF 260x20-13-4 -R	260	20	12,7	4	310	1.826.805	350.644
DNF 260x20-13-6 -R				6	392	2.740.208	496.942
DNF 260x25-13-4 -R				4	349	1.826.507	350.644
DNF 260x25-13-6 -R				6	476	2.739.760	496.942
DNF 260x25-16-4 -R		25	15,875	4	380	2.281.021	481.640
DNF 260x25-16-6 -R				6	482	3.421.531	682.592
DNF 260x25-20-4 -R				4	384	2.671.584	614.046
DNF 260x25-20-6 -R				6	487	4.007.376	870.240
DNF 280x20-13-4 -R	280	20	12,7	4	310	1.979.069	361.857
DNF 280x20-13-6 -R				6	392	2.968.603	512.832
DNF 280x25-13-4 -R				4	349	1.978.790	361.857
DNF 280x25-13-6 -R				6	476	2.968.184	512.832
DNF 280x25-16-4 -R		25	15,875	4	380	2.471.200	497.207
DNF 280x25-16-6 -R				6	482	3.706.800	704.653
DNF 280x25-20-4 -R				4	384	2.944.392	641.448
DNF 280x25-20-6 -R				6	487	4.416.587	909.076
DNF 300x20-13-4 -R	300	20	12,7	4	310	2.131.350	372.493
DNF 300x20-13-6 -R				6	392	3.197.026	527.905
DNF 300x25-13-4 -R				4	349	2.131.088	372.493
DNF 300x25-13-6 -R				6	476	3.196.632	527.905
DNF 300x25-16-4 -R		25	15,875	4	380	2.661.405	511.956
DNF 300x25-16-6 -R				6	482	3.992.108	725.556
DNF 300x25-20-4 -R				4	384	3.150.372	657.826
DNF 300x25-20-6 -R				6	487	4.725.558	932.287

DNF radial



D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
250	330	290	26	8	M10x1	45	30	285	255	DNF 200x20-13-4 -R
250	330	290	26	8	M10x1	45	30	285	255	DNF 200x20-13-6 -R
250	330	290	26	8	M10x1	45	30	285	255	DNF 200x25-13-4 -R
250	330	290	26	8	M10x1	45	30	285	255	DNF 200x25-13-6 -R
250	330	290	26	8	M10x1	45	30	285	255	DNF 200x25-16-4 -R
250	330	290	26	8	M10x1	45	30	285	255	DNF 200x25-16-6 -R
260	340	300	26	8	M10x1	45	30	295	265	DNF 200x25-20-4 -R
260	340	300	26	8	M10x1	45	30	295	265	DNF 200x25-20-6 -R
270	350	310	26	8	M10x1	45	30	305	275	DNF 220x20-13-4 -R
270	350	310	26	8	M10x1	45	30	305	275	DNF 220x20-13-6 -R
270	350	310	26	8	M10x1	45	30	305	275	DNF 220x25-13-4 -R
270	350	310	26	8	M10x1	45	30	305	275	DNF 220x25-13-6 -R
270	350	310	26	8	M10x1	45	30	305	275	DNF 220x25-16-4 -R
270	350	310	26	8	M10x1	45	30	305	275	DNF 220x25-16-6 -R
280	360	320	26	8	M10x1	45	30	315	285	DNF 220x25-20-4 -R
280	360	320	26	8	M10x1	45	30	315	285	DNF 220x25-20-6 -R
290	370	330	26	8	M10x1	45	30	325	295	DNF 240x20-13-4 -R
290	370	330	26	8	M10x1	45	30	325	295	DNF 240x20-13-6 -R
290	370	330	26	8	M10x1	45	30	325	295	DNF 240x25-13-4 -R
290	370	330	26	8	M10x1	45	30	325	295	DNF 240x25-13-6 -R
290	370	330	26	8	M10x1	45	30	325	295	DNF 240x25-16-4 -R
290	370	330	26	8	M10x1	45	30	325	295	DNF 240x25-16-6 -R
300	380	340	26	8	M10x1	45	30	335	305	DNF 240x25-20-4 -R
300	380	340	26	8	M10x1	45	30	335	305	DNF 240x25-20-6 -R
310	390	350	26	8	M10x1	45	30	345	315	DNF 260x20-13-4 -R
310	390	350	26	8	M10x1	45	30	345	315	DNF 260x20-13-6 -R
310	390	350	26	8	M10x1	45	30	345	315	DNF 260x25-13-4 -R
310	390	350	26	8	M10x1	45	30	345	315	DNF 260x25-13-6 -R
310	390	350	26	8	M10x1	45	30	345	315	DNF 260x25-16-4 -R
310	390	350	26	8	M10x1	45	30	345	315	DNF 260x25-16-6 -R
320	400	360	26	8	M10x1	45	30	355	325	DNF 260x25-20-4 -R
320	400	360	26	8	M10x1	45	30	355	325	DNF 260x25-20-6 -R
330	410	370	26	8	M10x1	45	30	365	335	DNF 280x20-13-4 -R
330	410	370	26	8	M10x1	45	30	365	335	DNF 280x20-13-6 -R
330	410	370	26	8	M10x1	45	30	365,	335	DNF 280x25-13-4 -R
330	410	370	26	8	M10x1	45	30	365	335	DNF 280x25-13-6 -R
330	410	370	26	8	M10x1	45	30	365	335	DNF 280x25-16-4 -R
330	410	370	26	8	M10x1	45	30	365	335	DNF 280x25-16-6 -R
340	420	380	26	8	M10x1	45	30	375	345	DNF 280x25-20-4 -R
340	420	380	26	8	M10x1	45	30	375	345	DNF 280x25-20-6 -R
350	430	390	26	8	M10x1	45	30	385	355	DNF 300x20-13-4 -R
350	430	390	26	8	M10x1	45	30	385	355	DNF 300x20-13-6 -R
350	430	390	25	8	M10x1	45	30	385	355	DNF 300x25-13-4 -R
350	430	390	25	8	M10x1	45	30	385	355	DNF 300x25-13-6 -R
350	430	390	25	8	M10x1	45	30	385	355	DNF 300x25-16-4 -R
350	430	390	25	8	M10x1	45	30	385	355	DNF 300x25-16-6 -R
360	440	400	25	8	M10x1	45	30	395	365	DNF 300x25-20-4 -R
360	440	400	25	8	M10x1	45	30	395	365	DNF 300x25-20-6 -R

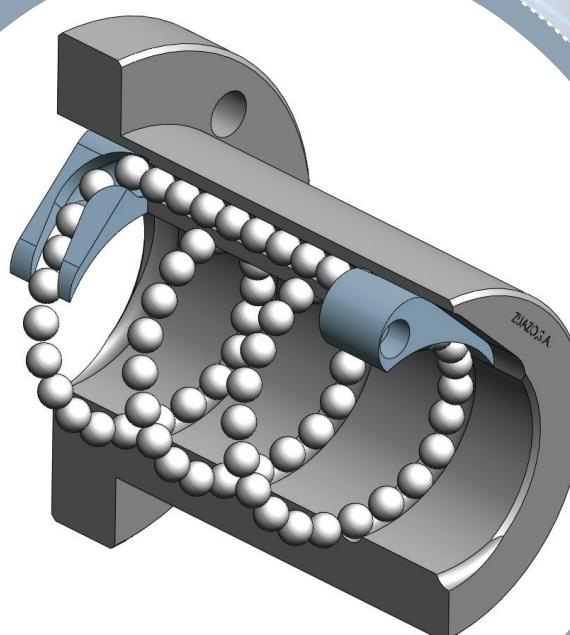


SINGLE NUT FLANGED PRELOADED



AXIAL DEFLECTORS

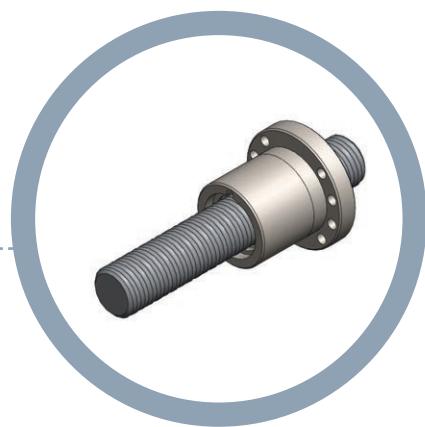
SNF axial





FEATURES

BSG flanged single nut preloaded with axial recirculation series: solutions for universal applications and balls with 4 contact points, where the requirement is **high rigidity in the shortest length**.



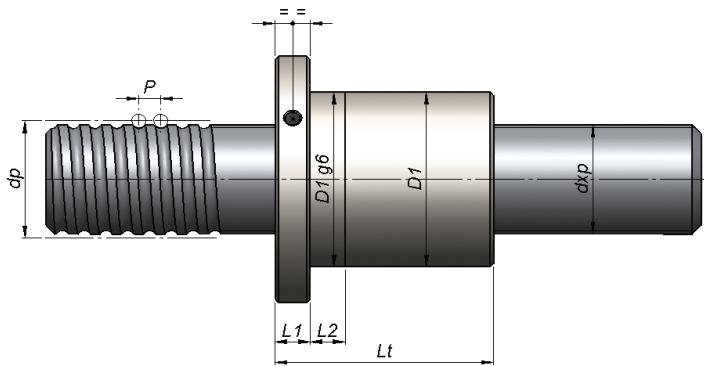
● RANGE OF PRODUCTION

		Lead																												
nc		5	6	8	10	12	15	16	20	25	30	40	50	60																
		2	4	5	2	4	5	2	3	4	5	6	3	5	6	3	5	6	3	4	5	6	3	4	5	6	2	3	2	3
Diameter		20																												
		25																												
		32																												
		40																												
		50																												
		63																												
		80																												
		100																												
		120																												
		125																												
		140																												
		160																												
		180																												
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		220																												
		240																												
		260																												
		280																												
		300																												



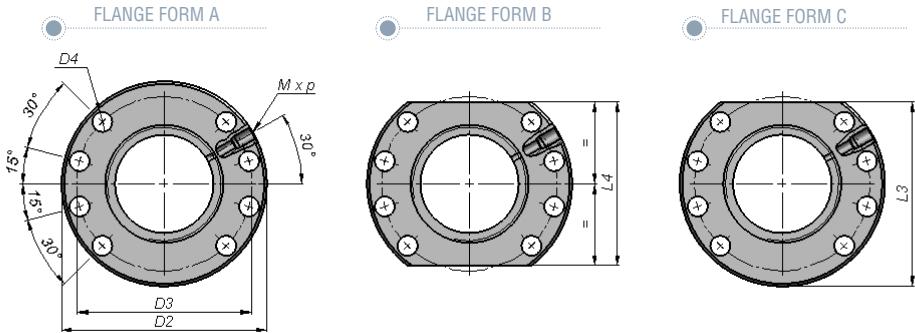
A SINGLE NUT FLANGED (AXIAL DEFLECTORS)

SINGLE NUT FLANGED AXIAL DEFLECTORS



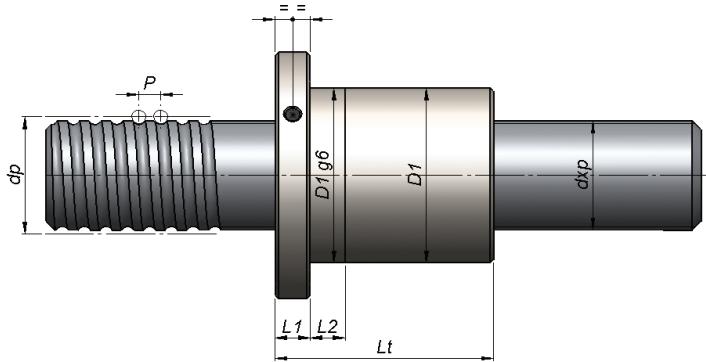
CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
SNF 040x20-06-3 -A	40	20	6,35	3	110	100.356	46.972
SNF 040x20-06-4 -A				4	130	135.433	60.785
SNF 040x20-06-5 -A				5	150	170.509	74.100
SNF 040x20-06-6 -A				6	170	205.585	87.033
SNF 040x25-06-3 -A		25	6,35	3	120	99.731	46.972
SNF 040x25-06-4 -A				4	145	134.589	60.785
SNF 040x25-06-5 -A				5	170	169.447	74.100
SNF 040x25-06-6 -A				6	195	204.304	87.033
SNF 050x20-08-3 -A	50	20	7,938	3	110	157.694	70.845
SNF 050x20-08-4 -A				4	130	212.811	91.677
SNF 050x20-08-5 -A				5	150	267.927	111.758
SNF 050x20-08-6 -A				6	170	323.044	131.265
SNF 050x25-10-3 -A		25	9,525	3	135	192.651	91.826
SNF 050x25-10-4 -A				4	160	259.985	118.828
SNF 050x25-10-5 -A				5	185	327.319	144.857
SNF 050x25-10-6 -A				6	210	394.654	170.141
SNF 050x30-10-3 -A		30	9,525	3	165	191.727	91.826
SNF 050x30-10-4 -A				4	195	258.738	118.828
SNF 050x30-10-5 -A				5	225	325.749	144.857
SNF 050x30-10-6 -A				6	255	392.760	170.141
SNF 063x20-10-3 -A	63	20	9,525	3	120	242.927	101.852
SNF 063x20-10-4 -A				4	140	327.834	131.803
SNF 063x20-10-5 -A				5	160	412.740	160.673
SNF 063x20-10-6 -A				6	180	497.647	188.718
SNF 063x20-13-3 -A		12,7	12,7	3	130	323.184	149.133
SNF 063x20-13-4 -A				4	150	436.142	192.987
SNF 063x20-13-5 -A				5	170	549.099	235.259
SNF 063x20-13-6 -A				6	190	662.057	276.323
SNF 063x25-10-3 -A		25	9,525	3	140	242.302	101.852
SNF 063x25-10-4 -A				4	165	326.990	131.803
SNF 063x25-10-5 -A				5	190	411.678	160.673
SNF 063x25-10-6 -A				6	215	496.366	188.718
SNF 063x30-10-2 -A		30	9,525	2	125	164.603	72.581
SNF 063x30-10-3 -A				3	200	253.046	105.061
SNF 063x30-10-5 -A				5	215	429.932	165.735
SNF 063x30-13-2 -A				2	130	209.064	103.029
SNF 063x30-13-3 -A		12,7	12,7	3	160	321.397	149.133
SNF 063x30-13-5 -A				5	210	546.063	235.259
SNF 063x40-06-3 -A		40	6,35	3	165	154.955	56.495
SNF 063x40-06-4 -A			9,525	4	205	209.114	73.108
SNF 063x40-10-3 -A			9,525	3	190	251.058	105.061
SNF 063x40-10-4 -A			9,525	4	230	338.806	135.954
SNF 063x40-13-3 -A		12,7	12,7	3	200	318.944	149.133
SNF 063x40-13-4 -A				4	240	430.420	192.987

Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers



D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
75	115	95	9	8	M8x1	18	18	100	85	SNF 040x20-06-3 -A
75	115	95	9	8	M8x1	18	18	100	85	SNF 040x20-06-4 -A
75	115	95	9	8	M8x1	18	18	100	85	SNF 040x20-06-5 -A
75	115	95	9	8	M8x1	18	18	100	85	SNF 040x20-06-6 -A
75	115	95	9	8	M8x1	18	18	100	85	SNF 040x25-06-3 -A
75	115	95	9	8	M8x1	18	18	100	85	SNF 040x25-06-4 -A
75	115	95	9	8	M8x1	18	18	100	85	SNF 040x25-06-5 -A
75	115	95	9	8	M8x1	18	18	100	85	SNF 040x25-06-6 -A
85	125	105	11	8	M8x1	25	25	107,5	90	SNF 050x20-08-3 -A
85	125	105	11	8	M8x1	25	25	107,5	90	SNF 050x20-08-4 -A
85	125	105	11	8	M8x1	25	25	107,5	90	SNF 050x20-08-5 -A
85	125	105	11	8	M8x1	25	25	107,5	90	SNF 050x20-08-6 -A
95	135	115	11	8	M8x1	25	25	117,5	100	SNF 050x25-10-3 -A
95	135	115	11	8	M8x1	25	25	117,5	100	SNF 050x25-10-4 -A
95	135	115	11	8	M8x1	25	25	117,5	100	SNF 050x25-10-5 -A
95	135	115	11	8	M8x1	25	25	117,5	100	SNF 050x25-10-6 -A
95	135	115	11	8	M8x1	25	25	117,5	100	SNF 050x30-10-3 -A
95	135	115	11	8	M8x1	25	25	117,5	100	SNF 050x30-10-4 -A
95	135	115	11	8	M8x1	25	25	117,5	100	SNF 050x30-10-5 -A
95	135	115	11	8	M8x1	25	25	117,5	100	SNF 050x30-10-6 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x20-10-3 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x20-10-4 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x20-10-5 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x20-10-6 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x20-13-3 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x20-13-4 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x20-13-5 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x20-13-6 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x25-10-3 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x25-10-4 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x25-10-5 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x25-10-6 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x30-10-2 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x30-10-3 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	SNF 063x30-10-5 -A
120	160	140	13,5	8	M8x1	30	30	142,5	125	SNF 063x30-13-2 -A
120	160	140	13,5	8	M8x1	30	30	142,5	125	SNF 063x30-13-3 -A
120	160	140	13,5	8	M8x1	30	30	142,5	125	SNF 063x30-13-5 -A
95	135	115	13,5	8	M8x1	35	35	117,5	100	SNF 063x40-06-3 -A
95	135	115	13,5	8	M8x1	35	35	117,5	100	SNF 063x40-06-4 -A
110	150	130	13,5	8	M8x1	35	35	132,5	115	SNF 063x40-10-3 -A
110	150	130	13,5	8	M8x1	35	35	132,5	115	SNF 063x40-10-4 -A
120	160	140	13,5	8	M8x1	35	35	142,5	125	SNF 063x40-13-3 -A
120	160	140	13,5	8	M8x1	35	35	142,5	125	SNF 063x40-13-4 -A

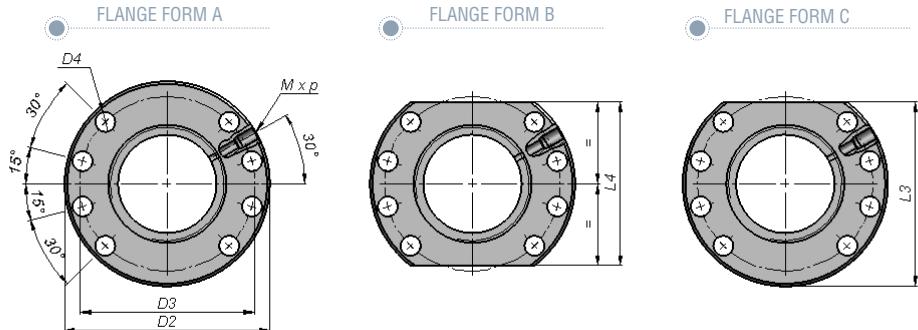
SINGLE NUT FLANGED AXIAL DEFLECTORS



CODE	d	p	$\varnothing_{\text{ball}}$	Nc	LT	Coa	Ca	
					$\pm 0,1$	N	N	
SNF 080x20-10-3 -A	20	9,525	3	3	120	316.473	114.671	
SNF 080x20-10-4 -A				4	140	427.085	148.391	
SNF 080x20-10-5 -A				5	160	537.697	180.895	
SNF 080x20-10-6 -A				6	180	648.310	212.470	
SNF 080x20-13-3 -A		12,7	3	125	410.907	166.983		
SNF 080x20-13-4 -A			4	145	554.525	216.085		
SNF 080x20-13-5 -A			5	165	698.143	263.418		
SNF 080x20-13-6 -A		9,525	6	185	841.761	309.396		
SNF 080x25-10-3 -A	25		3	135	315.955	114.671		
SNF 080x25-10-4 -A			4	160	426.386	148.391		
SNF 080x25-10-5 -A			5	185	536.817	180.895		
SNF 080x25-10-6 -A			6	210	647.248	212.470		
SNF 080x25-13-3 -A	12,7	3	140	410.250	166.983			
SNF 080x25-13-4 -A		4	165	553.639	216.085			
SNF 080x25-13-5 -A		5	190	697.027	263.418			
SNF 080x25-13-6 -A	15,875	6	215	840.416	309.396			
SNF 080x25-16-3 -A		3	145	505.601	222.461			
SNF 080x25-16-4 -A		4	170	682.316	287.877			
SNF 080x25-16-5 -A		5	195	859.031	350.935			
SNF 080x25-16-6 -A		6	220	1.035.746	412.190			
SNF 080x30-10-3 -A	80	9,525	3	150	315.326	114.671		
SNF 080x30-10-4 -A			4	180	425.536	148.391		
SNF 080x30-10-5 -A			5	210	535.747	180.895		
SNF 080x30-10-6 -A			6	240	645.958	212.470		
SNF 080x30-13-3 -A		12,7	3	155	409.452	166.983		
SNF 080x30-13-4 -A			4	185	552.561	216.085		
SNF 080x30-13-5 -A			5	215	695.670	263.418		
SNF 080x30-13-6 -A		15,875	6	245	838.780	309.396		
SNF 080x30-16-3 -A			3	160	504.640	222.461		
SNF 080x30-16-4 -A			4	190	681.018	287.877		
SNF 080x30-16-5 -A			5	220	857.397	350.935		
SNF 080x30-16-6 -A			6	250	1.033.776	412.190		
SNF 080x40-10-3 -A	40	9,525	3	186	313.739	114.671		
SNF 080x40-10-4 -A			4	226	423.396	148.391		
SNF 080x40-10-5 -A			5	266	533.052	180.895		
SNF 080x40-10-6 -A			6	306	642.709	212.470		
SNF 080x40-13-3 -A		12,7	3	185	427.812	172.504		
SNF 080x40-13-4 -A			4	225	577.338	223.229		
SNF 080x40-13-5 -A			5	265	726.865	272.127		
SNF 080x40-13-6 -A		15,875	6	305	876.391	319.625		
SNF 080x40-16-3 -A			3	190	533.605	231.636		
SNF 080x40-16-4 -A			4	230	720.108	299.750		
SNF 080x40-16-5 -A			5	270	906.611	365.409		
SNF 080x40-16-6 -A			6	310	1.093.114	429.190		

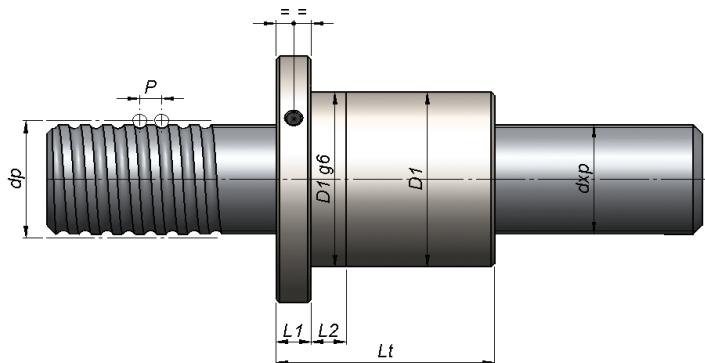
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

SNF axial



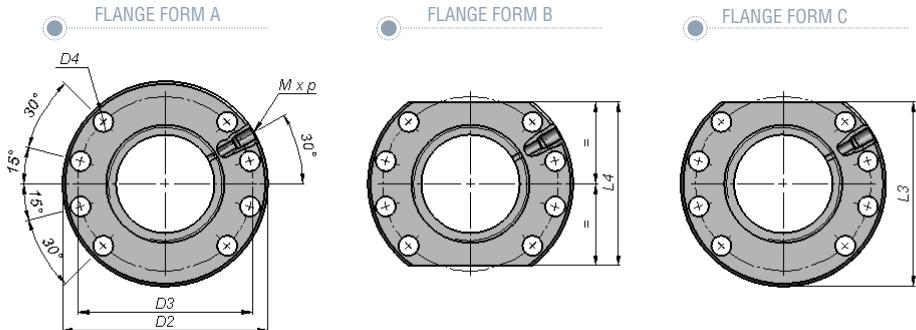
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x20-10-3 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x20-10-4 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x20-10-5 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x20-10-6 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x20-13-3 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x20-13-4 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x20-13-5 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x20-13-6 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x25-10-3 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x25-10-4 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x25-10-5 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x25-10-6 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x25-13-3 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x25-13-4 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x25-13-5 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x25-13-6 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x25-16-3 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x25-16-4 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x25-16-5 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x25-16-6 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x30-10-3 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x30-10-4 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x30-10-5 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x30-10-6 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x30-13-3 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x30-13-4 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x30-13-5 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	SNF 080x30-13-6 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x30-16-3 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x30-16-4 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x30-16-5 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x30-16-6 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x40-10-3 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x40-10-4 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x40-10-5 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	SNF 080x40-10-6 -A
135	175	155	13,5	8	M8x1	30	30	157,5	135	SNF 080x40-13-3 -A
135	175	155	13,5	8	M8x1	30	30	157,5	135	SNF 080x40-13-4 -A
135	175	155	13,5	8	M8x1	30	30	157,5	135	SNF 080x40-13-5 -A
135	175	155	13,5	8	M8x1	30	30	157,5	135	SNF 080x40-13-6 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x40-16-3 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x40-16-4 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x40-16-5 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	SNF 080x40-16-6 -A

SINGLE NUT FLANGED AXIAL DEFLECTORS



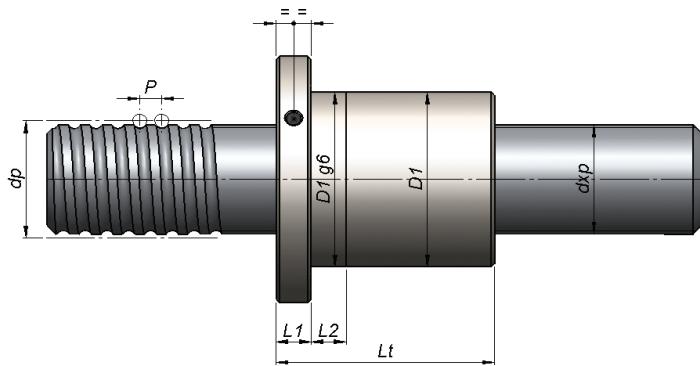
CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
SNF 100x20-10-3 -A	20	20	9,525	3	125	402.328	126.874
SNF 100x20-10-4 -A				4	145	542.948	164.182
SNF 100x20-10-5 -A				5	160	683.567	200.145
SNF 100x20-10-6 -A				6	180	824.187	235.080
SNF 100x20-13-3 -A		12,7	12,7	3	125	520.014	185.465
SNF 100x20-13-4 -A				4	145	701.766	240.001
SNF 100x20-13-5 -A	25	25	9,525	5	160	883.519	292.573
SNF 100x20-13-6 -A				6	180	1.065.271	343.640
SNF 100x25-10-3 -A				3	135	401.899	126.874
SNF 100x25-10-4 -A				4	160	542.369	164.182
SNF 100x25-10-5 -A				5	185	682.838	200.145
SNF 100x25-10-6 -A				6	210	823.308	235.080
SNF 100x25-13-3 -A		12,7	12,7	3	140	519.470	185.465
SNF 100x25-13-4 -A				4	163	701.032	240.001
SNF 100x25-13-5 -A	30	30	9,525	5	188	882.594	292.573
SNF 100x25-13-6 -A				6	213	1.064.156	343.640
SNF 100x25-16-3 -A			15,875	3	150	642.033	249.554
SNF 100x25-16-4 -A				4	172	866.432	322.937
SNF 100x25-16-5 -A				5	200	1.090.832	393.675
SNF 100x25-16-6 -A				6	220	1.315.232	462.390
SNF 100x30-10-2 -A		40	9,525	2	110	261.090	87.651
SNF 100x30-10-3 -A				3	140	401.376	126.874
SNF 100x30-10-5 -A				5	200	681.950	200.145
SNF 100x30-13-2 -A			12,7	2	123	337.476	128.128
SNF 100x30-13-3 -A				3	153	518.807	185.465
SNF 100x30-13-5 -A				5	213	881.468	292.573
SNF 100x30-16-2 -A			15,875	2	130	417.110	172.405
SNF 100x30-16-3 -A				3	160	641.229	249.554
SNF 100x30-16-5 -A				5	220	1.089.467	393.675
SNF 100x40-10-3 -A	50	50	9,525	3	175	400.055	126.874
SNF 100x40-10-4 -A				4	215	539.880	164.182
SNF 100x40-13-3 -A			12,7	3	182	517.132	185.465
SNF 100x40-13-4 -A				4	222	697.877	240.001
SNF 100x40-16-3 -A		50	15,875	3	188	639.197	249.554
SNF 100x40-16-4 -A				4	228	862.605	322.937
SNF 100x50-10-2 -A		60	9,525	2	160	259.138	87.651
SNF 100x50-10-3 -A				3	210	398.376	126.874
SNF 100x50-13-2 -A			12,7	2	165	348.401	131.523
SNF 100x50-13-3 -A				3	215	535.601	190.378
SNF 100x50-16-2 -A	60	60	15,875	2	172	434.812	178.105
SNF 100x50-16-3 -A				3	222	668.443	257.805
SNF 100x60-10-2 -A			9,525	2	175	257.821	87.651
SNF 100x60-10-3 -A				3	235	396.351	126.874
SNF 100x60-13-2 -A	60	12,7	12,7	2	185	346.663	131.523
SNF 100x60-13-3 -A				3	245	532.930	190.378
SNF 100x60-16-2 -A		15,875	15,875	2	192	432.684	178.105
SNF 100x60-16-3 -A				3	252	665.170	257.805

SNF axial

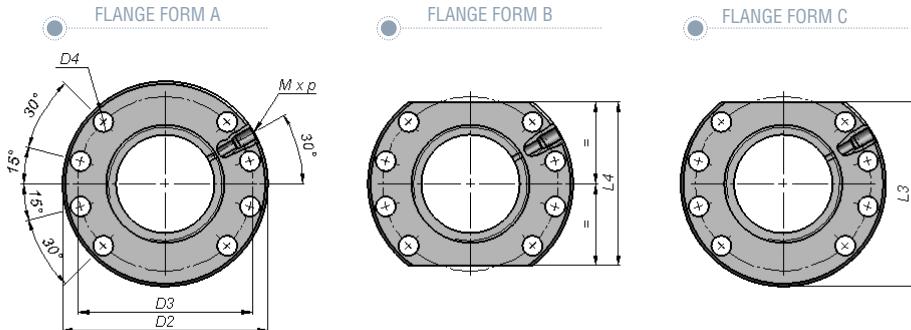


D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x20-10-3 -A
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x20-10-4 -A
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x20-10-5 -A
150	202	176	17,5	8	M8x1	30	30	178,5	155	SNF 100x20-10-6 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	SNF 100x20-13-3 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	SNF 100x20-13-4 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	SNF 100x20-13-5 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	SNF 100x20-13-6 -A
150	202	175	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-10-3 -A
150	202	175	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-10-4 -A
150	202	175	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-10-5 -A
150	202	175	17,5	8	M8x1	30	30	178,5	155	SNF 100x25-10-6 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	SNF 100x25-13-3 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	SNF 100x25-13-4 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	SNF 100x25-13-5 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	SNF 100x25-13-6 -A
170	220	195	17,5	8	M8x1	30	30	202,5	185	SNF 100x25-16-3 -A
170	220	195	17,5	8	M8x1	30	30	202,5	185	SNF 100x25-16-4 -A
170	220	195	17,5	8	M8x1	30	30	202,5	185	SNF 100x25-16-5 -A
170	220	195	17,5	8	M8x1	30	30	202,5	185	SNF 100x25-16-6 -A
150	202	176	17,5	8	M8x1	30	35	178,5	155	SNF 100x30-10-2 -A
150	202	176	17,5	8	M8x1	30	35	178,5	155	SNF 100x30-10-3 -A
150	202	176	17,5	8	M8x1	30	35	178,5	155	SNF 100x30-10-5 -A
160	210	185	17,5	8	M8x1	35	35	192,5	175	SNF 100x30-13-2 -A
160	210	185	17,5	8	M8x1	35	35	192,5	175	SNF 100x30-13-3 -A
160	210	185	17,5	8	M8x1	35	35	192,5	175	SNF 100x30-13-5 -A
170	220	195	17,5	8	M8x1	35	35	202,5	185	SNF 100x30-16-2 -A
170	220	195	17,5	8	M8x1	35	35	202,5	185	SNF 100x30-16-5 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	SNF 100x40-10-3 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	SNF 100x40-10-4 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	SNF 100x40-13-3 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	SNF 100x40-13-4 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	SNF 100x40-16-3 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	SNF 100x40-16-4 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	SNF 100x50-10-2 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	SNF 100x50-10-3 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	SNF 100x50-13-2 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	SNF 100x50-13-3 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	SNF 100x50-16-2 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	SNF 100x50-16-3 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	SNF 100x60-10-2 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	SNF 100x60-10-3 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	SNF 100x60-13-2 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	SNF 100x60-13-3 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	SNF 100x60-16-2 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	SNF 100x60-16-3 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	SNF 100x60-10-2 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	SNF 100x60-13-2 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	SNF 100x60-13-3 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	SNF 100x60-16-2 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	SNF 100x60-16-3 -A

SINGLE NUT FLANGED AXIAL DEFLECTORS

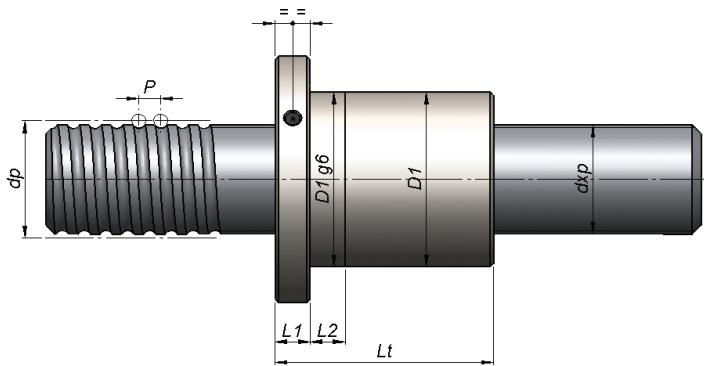


CODE	d	p	Øball	Nc	LT		Coa	Ca
					±0,1	N		
SNF 120x20-13-4 -A	120	20	12,7	4	160	848.971	260.080	
SNF 120x20-13-6 -A				6	200	1.288.725	372.389	
SNF 120x25-13-4 -A		25	12,7	4	190	848.345	260.080	
SNF 120x25-13-6 -A				6	240	1.287.775	372.389	
SNF 120x25-16-4 -A			15,825	4	210	1.050.491	352.062	
SNF 120x25-16-6 -A				6	260	1.594.630	504.092	
SNF 120x30-13-2 -A		30	12,7	2	160	408.546	138.848	
SNF 120x30-13-5 -A				5	220	1.067.099	317.049	
SNF 120x30-16-2 -A			15,825	2	170	505.903	187.954	
SNF 120x30-16-5 -A				5	260	1.321.390	429.180	
SNF 120x30-20-2 -A			19,05	2	190	601.385	239.391	
SNF 120x30-20-5 -A				5	280	1.570.782	546.634	
SNF 120x40-13-3 -A		40	12,7	3	210	626.631	200.981	
SNF 120x40-13-4 -A				4	250	845.648	260.080	
SNF 120x40-16-3 -A			15,825	3	230	775.986	272.061	
SNF 120x40-16-4 -A				4	270	1.047.204	352.062	
SNF 120x40-20-3 -A			19,05	3	250	922.474	346.516	
SNF 120x40-20-4 -A				4	290	1.244.892	448.411	
SNF 120x50-13-2 -A		50	12,7	2	190	406.425	138.848	
SNF 120x50-13-3 -A				3	240	624.803	200.981	
SNF 120x50-16-2 -A			15,825	2	220	503.318	187.954	
SNF 120x50-16-3 -A				3	270	773.758	272.061	
SNF 120x50-20-2 -A			19,05	2	250	598.360	239.391	
SNF 120x50-20-3 -A				3	300	919.867	346.516	
SNF 120x60-13-2 -A		60	12,7	2	230	418.486	141.916	
SNF 120x60-13-3 -A				3	290	643.344	205.422	
SNF 120x60-16-2 -A			15,825	2	250	522.462	193.139	
SNF 120x60-16-3 -A				3	310	803.188	279.567	
SNF 120x60-20-2 -A			19,05	2	270	626.122	247.306	
SNF 120x60-20-3 -A				3	330	962.545	357.973	
SNF 125x20-13-4 -A	125	20	12,7	4	170	878.681	263.248	
SNF 125x20-13-6 -A				6	210	1.333.826	376.925	
SNF 125x25-13-4 -A		25	12,7	4	200	878.082	263.248	
SNF 125x25-13-6 -A				6	250	1.332.917	376.925	
SNF 125x25-16-4 -A			15,825	4	220	1.096.499	358.668	
SNF 125x25-16-6 -A				6	270	1.664.470	513.550	
SNF 125x30-13-2 -A		30	12,7	2	180	436.538	143.545	
SNF 125x30-13-5 -A				5	270	1.140.212	327.776	
SNF 125x30-16-2 -A			15,825	2	200	528.095	191.480	
SNF 125x30-16-5 -A				5	290	1.379.354	437.233	
SNF 125x30-20-2 -A			19,05	2	220	633.028	245.491	
SNF 125x30-20-5 -A				5	300	1.653.431	560.561	
SNF 125x40-13-3 -A		40	12,7	3	250	669.680	207.780	
SNF 125x40-13-4 -A				4	290	903.743	268.879	
SNF 125x40-16-3 -A			15,825	3	270	810.162	277.166	
SNF 125x40-16-4 -A				4	310	1.093.325	358.668	
SNF 125x40-20-3 -A			19,05	3	290	971.171	355.345	
SNF 125x40-20-4 -A				4	330	1.310.609	459.836	
SNF 125x50-13-2 -A		50	12,7	2	220	434.442	143.545	
SNF 125x50-13-3 -A				3	270	667.873	207.780	
SNF 125x50-16-2 -A			15,825	2	230	525.598	191.480	
SNF 125x50-16-3 -A				3	280	808.008	277.166	
SNF 125x50-20-2 -A			19,05	2	240	630.079	245.491	
SNF 125x50-20-3 -A				3	290	968.629	355.345	
SNF 125x60-13-2 -A		60	12,7	2	220	433.018	143.545	
SNF 125x60-13-3 -A				3	280	665.685	207.780	
SNF 125x60-16-2 -A			15,825	2	240	544.857	196.553	
SNF 125x60-16-3 -A				3	300	837.616	284.509	
SNF 125x60-20-2 -A			19,05	2	260	628.075	245.491	
SNF 125x60-20-3 -A				3	320	965.548	355.345	



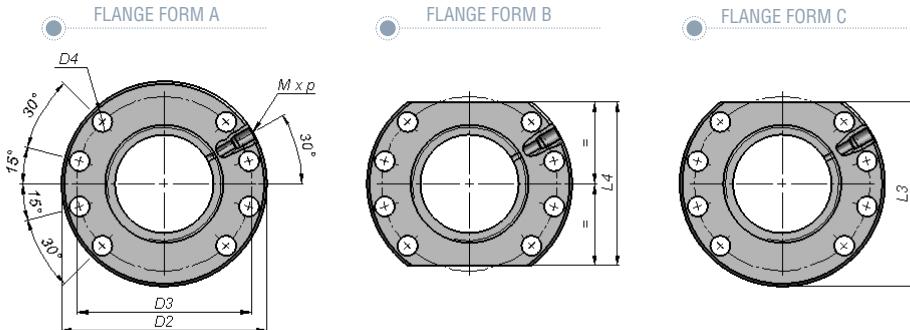
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	h13	±0,2	H13				+2	h13	h13	
180	230	205	17,5	8	M8x1	35	35	212,5	195	SNF 120x20-13-4 -A
180	230	205	17,5	8	M8x1	35	35	212,5	195	SNF 120x20-13-6 -A
180	230	205	17,5	8	M8x1	35	35	212,5	195	SNF 120x25-13-4 -A
180	230	205	17,5	8	M8x1	35	35	212,5	195	SNF 120x25-13-6 -A
190	240	215	17,5	8	M8x1	35	35	222,5	205	SNF 120x25-16-4 -A
190	240	215	17,5	8	M8x1	35	35	222,5	205	SNF 120x25-16-6 -A
180	230	205	17,5	8	M8x1	35	35	212,5	195	SNF 120x30-13-2 -A
180	230	205	17,5	8	M8x1	35	35	212,5	195	SNF 120x30-13-5 -A
190	240	215	17,5	8	M8x1	35	35	222,5	205	SNF 120x30-16-2 -A
190	240	215	17,5	8	M8x1	35	35	222,5	205	SNF 120x30-16-5 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	SNF 120x30-20-2 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	SNF 120x30-20-5 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	SNF 120x40-13-3 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	SNF 120x40-13-4 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	SNF 120x40-16-3 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	SNF 120x40-16-4 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 120x40-20-3 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 120x40-20-4 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	SNF 120x50-13-2 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	SNF 120x50-13-3 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	SNF 120x50-16-2 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	SNF 120x50-16-3 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 120x50-20-2 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 120x50-20-3 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	SNF 120x60-13-2 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	SNF 120x60-13-3 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	SNF 120x60-16-2 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	SNF 120x60-16-3 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 120x60-20-2 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 120x60-20-3 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	SNF 125x20-13-4 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	SNF 125x20-13-6 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	SNF 125x25-13-4 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	SNF 125x25-13-6 -A
195	245	220	17,5	8	M8x1	35	35	227,5	210	SNF 125x25-16-4 -A
195	245	220	17,5	8	M8x1	35	35	227,5	210	SNF 125x25-16-6 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	SNF 125x30-13-2 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	SNF 125x30-13-5 -A
195	245	220	17,5	8	M8x1	35	35	227,5	210	SNF 125x30-16-2 -A
195	245	220	17,5	8	M8x1	35	35	227,5	210	SNF 125x30-16-5 -A
205	255	230	17,5	8	M8x1	35	35	237,5	220	SNF 125x30-20-2 -A
205	255	230	17,5	8	M8x1	35	35	237,5	220	SNF 125x30-20-5 -A
185	235	210	17,5	8	M8x1	40	40	217,5	200	SNF 125x40-13-3 -A
185	235	210	17,5	8	M8x1	40	40	217,5	200	SNF 125x40-13-4 -A
195	245	220	17,5	8	M8x1	40	40	227,5	210	SNF 125x40-16-3 -A
195	245	220	17,5	8	M8x1	40	40	227,5	210	SNF 125x40-16-4 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	SNF 125x40-20-3 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	SNF 125x40-20-4 -A
185	235	210	17,5	8	M8x1	40	40	217,5	200	SNF 125x50-13-2 -A
185	235	210	17,5	8	M8x1	40	40	217,5	200	SNF 125x50-13-3 -A
195	245	220	17,5	8	M8x1	40	40	227,5	210	SNF 125x50-16-2 -A
195	245	220	17,5	8	M8x1	40	40	227,5	210	SNF 125x50-16-3 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	SNF 125x50-20-2 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	SNF 125x50-20-3 -A
185	235	210	17,5	8	M8x1	40	40	217,5	200	SNF 125x60-13-2 -A
190	240	215	17,5	8	M8x1	40	40	222,5	200	SNF 125x60-13-3 -A
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195	245	220	17,5	8	M8x1	40	40	227,5	205	SNF 125x60-16-3 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	SNF 125x60-20-2 -A
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SINGLE NUT FLANGED AXIAL DEFLECTORS



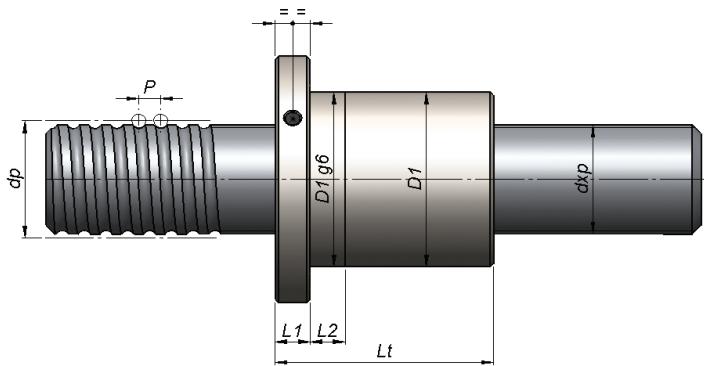
CODE	d	p	Øball	Nc	LT		Coa N	Ca N
					±0,1			
SNF 140x20-13-4 -A	140	20	12,7	4	180		996.151	277.575
SNF 140x20-13-6 -A				6	220		1.512.143	397.440
SNF 140x25-13-4 -A		25	12,7	4	210		995.605	277.575
SNF 140x25-13-6 -A				6	260		1.511.315	397.440
SNF 140x25-16-4 -A		30	15,895	4	230		1.234.510	377.211
SNF 140x25-16-6 -A				6	280		1.873.968	540.100
SNF 140x30-13-2 -A		30	12,7	2	190		479.575	148.188
SNF 140x30-13-5 -A				5	280		1.252.623	338.377
SNF 140x30-16-2 -A		40	15,895	2	210		594.659	201.380
SNF 140x30-16-5 -A				5	300		1.553.214	459.837
SNF 140x30-20-2 -A		40	19,05	2	230		728.075	262.498
SNF 140x30-20-5 -A				5	320		1.901.689	599.396
SNF 140x40-13-3 -A		50	12,7	3	260		736.007	214.500
SNF 140x40-13-4 -A				4	300		993.253	277.575
SNF 140x40-16-3 -A		50	15,895	3	280		912.648	291.495
SNF 140x40-16-4 -A				4	320		1.233.696	377.211
SNF 140x40-20-3 -A		50	19,05	3	300		1.117.433	379.963
SNF 140x40-20-4 -A				4	340		1.507.992	491.693
SNF 140x50-13-2 -A		60	12,7	2	230		477.722	148.188
SNF 140x50-13-3 -A				3	280		734.409	214.500
SNF 140x50-16-2 -A		60	15,895	2	240		592.393	201.380
SNF 140x50-16-3 -A				3	290		910.693	291.495
SNF 140x50-20-2 -A		60	19,05	2	250		725.338	262.498
SNF 140x50-20-3 -A				3	300		1.115.071	379.963
SNF 140x60-13-2 -A		60	12,7	2	230		476.461	148.188
SNF 140x60-13-3 -A				3	290		732.470	214.500
SNF 140x60-16-2 -A		60	15,895	2	250		590.849	201.380
SNF 140x60-16-3 -A				3	310		908.321	291.495
SNF 140x60-20-2 -A		60	19,05	2	270		723.473	262.498
SNF 140x60-20-3 -A				3	330		1.112.205	379.963
SNF 160x40-13-3 -A	160	40	12,7	3	200		845.301	226.579
SNF 160x40-13-4 -A				4	240		1.140.746	293.205
SNF 160x40-16-3 -A		40	15,895	3	210		1.049.223	308.730
SNF 160x40-16-4 -A				4	250		1.415.942	399.513
SNF 160x40-20-3 -A		40	19,05	3	220		1.265.855	399.430
SNF 160x40-20-4 -A				4	260		1.708.290	516.885
SNF 160x60-13-2 -A		60	12,7	2	200		547.811	156.532
SNF 160x60-13-3 -A				3	260		842.157	226.579
SNF 160x60-16-2 -A		60	15,895	2	210		679.996	213.286
SNF 160x60-16-3 -A				3	270		1.045.367	308.730
SNF 160x60-20-2 -A		60	19,05	2	220		820.431	275.947
SNF 160x60-20-3 -A				3	280		1.261.259	399.430
SNF 180x40-13-3 -A	180	40	12,7	3	200		954.536	237.560
SNF 180x40-13-4 -A				4	240		1.288.161	307.416
SNF 180x40-16-3 -A		40	15,895	3	210		1.185.736	324.310
SNF 180x40-16-4 -A				4	250		1.600.168	419.675
SNF 180x40-20-3 -A		40	19,05	3	220		1.414.001	417.033
SNF 180x40-20-4 -A				4	260		1.908.215	539.664
SNF 180x40-22-3 -A		40	22,225	3	220		1.657.565	518.227
SNF 180x40-22-4 -A				4	260		2.236.908	670.614
SNF 180x60-13-2 -A		60	12,7	2	200		619.073	164.119
SNF 180x60-13-3 -A				3	260		951.709	237.560
SNF 180x60-16-2 -A		60	15,895	2	210		769.044	224.050
SNF 180x60-16-3 -A				3	270		1.182.261	324.310
SNF 180x60-20-2 -A		60	19,05	2	220		917.120	288.108
SNF 180x60-20-3 -A				3	280		1.409.901	417.033
SNF 180x60-22-2 -A		60	22,225	2	225		1.075.129	358.017
SNF 180x60-22-3 -A				3	285		1.652.810	518.227

SNF axial



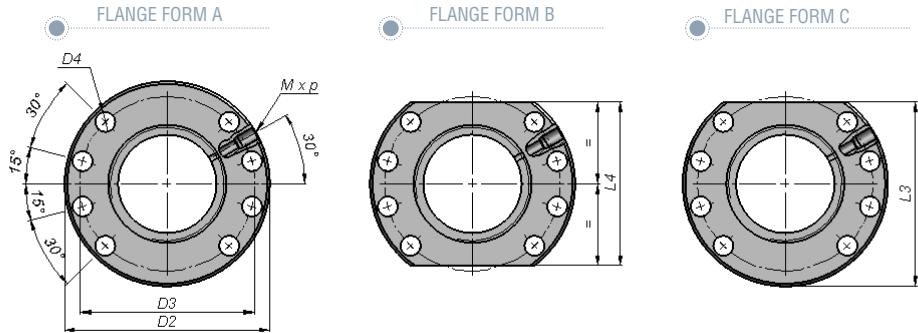
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
200	250	225	17,5	8	M8x1	35	35	232,5	215	SNF 140x20-13-4 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	SNF 140x20-13-6 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	SNF 140x25-13-4 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	SNF 140x25-13-6 -A
210	260	235	22	8	M8x1	35	35	242,5	225	SNF 140x25-16-4 -A
210	260	235	22	8	M8x1	35	35	242,5	225	SNF 140x25-16-6 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	SNF 140x30-13-2 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	SNF 140x30-13-5 -A
210	260	235	22	8	M8x1	35	35	242,5	225	SNF 140x30-16-2 -A
210	260	235	22	8	M8x1	35	35	242,5	225	SNF 140x30-16-5 -A
220	270	245	22	8	M8x1	35	35	252,5	235	SNF 140x30-20-2 -A
220	270	245	22	8	M8x1	35	35	252,5	235	SNF 140x30-20-5 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 140x40-13-3 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 140x40-13-4 -A
210	260	235	22	8	M8x1	40	40	242,5	225	SNF 140x40-16-3 -A
210	260	235	22	8	M8x1	40	40	242,5	225	SNF 140x40-16-4 -A
220	270	245	22	8	M8x1	40	40	252,5	235	SNF 140x40-20-3 -A
220	270	245	22	8	M8x1	40	40	252,5	235	SNF 140x40-20-4 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 140x50-13-2 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 140x50-13-3 -A
210	260	235	22	8	M8x1	40	40	242,5	225	SNF 140x50-16-2 -A
210	260	235	22	8	M8x1	40	40	242,5	225	SNF 140x50-16-3 -A
220	270	245	22	8	M8x1	40	40	252,5	235	SNF 140x50-20-2 -A
220	270	245	22	8	M8x1	40	40	252,5	235	SNF 140x50-20-3 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 140x60-13-2 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	SNF 140x60-13-3 -A
210	260	235	22	8	M8x1	40	40	242,5	225	SNF 140x60-16-2 -A
210	260	235	22	8	M8x1	40	40	242,5	225	SNF 140x60-16-3 -A
220	270	245	22	8	M8x1	40	40	252,5	235	SNF 140x60-20-2 -A
220	270	245	22	8	M8x1	40	40	252,5	235	SNF 140x60-20-3 -A
220	270	245	22	8	M10x1	40	40	252,5	235	SNF 160x40-13-3 -A
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230	280	255	22	8	M10x1	40	40	262,5	245	SNF 160x40-16-3 -A
230	280	255	22	8	M10x1	40	40	262,5	245	SNF 160x40-16-4 -A
240	290	265	22	8	M10x1	40	40	272,5	255	SNF 160x40-20-3 -A
240	290	265	22	8	M10x1	40	40	272,5	255	SNF 160x40-20-4 -A
220	270	245	22	8	M10x1	40	40	252,5	235	SNF 160x60-13-2 -A
220	270	245	22	8	M10x1	40	40	252,5	235	SNF 160x60-13-3 -A
230	280	255	22	8	M10x1	40	40	262,5	245	SNF 160x60-16-2 -A
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240	290	265	22	8	M10x1	40	40	272,5	255	SNF 160x60-20-2 -A
240	290	265	22	8	M10x1	40	40	272,5	255	SNF 160x60-20-4 -A
220	270	245	22	8	M10x1	40	40	252,5	235	SNF 160x60-13-2 -A
230	280	255	22	8	M10x1	40	40	262,5	245	SNF 160x60-16-2 -A
230	280	255	22	8	M10x1	40	40	262,5	245	SNF 160x60-16-3 -A
240	290	265	22	8	M10x1	40	40	272,5	255	SNF 160x60-20-2 -A
240	290	265	22	8	M10x1	40	40	272,5	255	SNF 160x60-20-3 -A
240	290	265	22	8	M10x1	40	40	272,5	255	SNF 180x40-13-3 -A
240	290	265	22	8	M10x1	40	40	272,5	255	SNF 180x40-13-4 -A
250	300	275	22	8	M10x1	40	40	282,5	265	SNF 180x40-16-3 -A
250	300	275	22	8	M10x1	40	40	282,5	265	SNF 180x40-16-4 -A
260	310	285	22	8	M10x1	40	40	292,5	275	SNF 180x40-20-3 -A
260	310	285	22	8	M10x1	40	40	292,5	275	SNF 180x40-20-4 -A
270	320	295	22	8	M10x1	40	40	302,5	285	SNF 180x40-22-3 -A
270	320	295	22	8	M10x1	40	40	302,5	285	SNF 180x40-22-4 -A
240	290	265	22	8	M10x1	40	40	272,5	255	SNF 180x60-13-2 -A
240	290	265	22	8	M10x1	40	40	272,5	255	SNF 180x60-13-3 -A
250	300	275	22	8	M10x1	40	40	282,5	265	SNF 180x60-16-2 -A
250	300	275	22	8	M10x1	40	40	282,5	265	SNF 180x60-16-3 -A
260	310	285	22	8	M10x1	40	40	292,5	275	SNF 180x60-20-2 -A
260	310	285	22	8	M10x1	40	40	292,5	275	SNF 180x60-20-3 -A
270	320	295	22	8	M10x1	40	40	302,5	285	SNF 180x60-22-2 -A
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SINGLE NUT FLANGED AXIAL DEFLECTORS



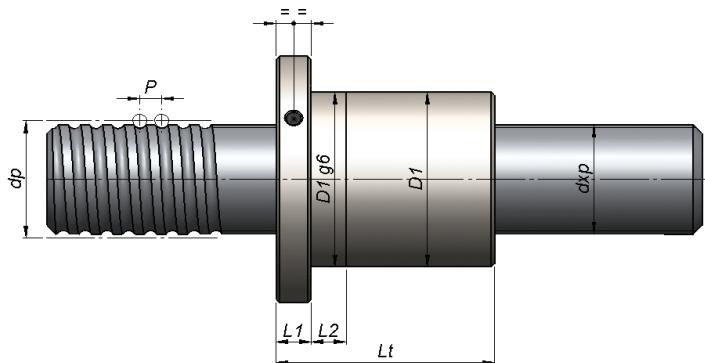
CODE	d	p	Øball	Nc	LT		Coa N	Ca N
					±0,1			
SNF 200x40-13-3 -A	200	40	12,7	3	205		1.063.729	247.675
SNF 200x40-13-4 -A				4	245		1.435.518	320.505
SNF 200x40-16-3 -A			15,895	3	215		1.322.202	338.594
SNF 200x40-16-4 -A				4	255		1.784.331	438.160
SNF 200x40-20-3 -A			19,05	3	225		1.609.282	441.902
SNF 200x40-20-4 -A				4	265		2.171.750	571.846
SNF 200x40-22-3 -A			22,225	3	230		1.857.778	544.298
SNF 200x40-22-4 -A				4	270		2.507.098	704.351
SNF 200x60-13-2 -A		60	12,7	2	205		690.270	171.106
SNF 200x60-13-3 -A				3	265		1.061.161	247.675
SNF 200x60-16-2 -A			15,895	2	215		858.017	233.918
SNF 200x60-16-3 -A				3	275		1.319.041	338.594
SNF 200x60-20-2 -A			19,05	2	220		1.044.336	305.289
SNF 200x60-20-3 -A				3	280		1.605.472	441.902
SNF 200x60-22-2 -A			22,225	2	225		1.205.623	376.028
SNF 200x60-22-3 -A				3	285		1.853.421	544.298
SNF 220x40-13-3 -A	220	40	12,7	3	210		1.172.891	257.083
SNF 220x40-13-4 -A				4	250		1.582.833	332.680
SNF 220x40-16-3 -A			15,895	3	220		1.458.634	351.834
SNF 220x40-16-4 -A				4	260		1.968.448	455.292
SNF 220x40-20-3 -A			19,05	3	230		1.757.251	456.465
SNF 220x40-20-4 -A				4	270		2.371.436	590.691
SNF 220x40-22-3 -A			22,225	3	235		2.058.013	568.248
SNF 220x40-22-4 -A				4	275		2.777.318	735.344
SNF 220x60-13-2 -A		60	12,7	2	220		761.419	177.606
SNF 220x60-13-3 -A				3	280		1.170.539	257.083
SNF 220x60-16-2 -A			15,895	2	230		946.935	243.064
SNF 220x60-16-3 -A				3	290		1.455.736	351.834
SNF 220x60-20-2 -A			19,05	2	210		1.140.814	315.349
SNF 220x60-20-3 -A				3	250		1.753.789	456.465
SNF 220x60-22-2 -A			22,225	2	235		1.336.093	392.575
SNF 220x60-22-3 -A				3	295		2.053.994	568.248
SNF 240x40-13-3 -A	240	40	12,7	3	230		1.282.028	265.903
SNF 240x40-13-4 -A				4	270		1.730.115	344.093
SNF 240x40-16-3 -A			15,895	3	235		1.595.040	364.208
SNF 240x40-16-4 -A				4	275		2.152.529	471.306
SNF 240x40-20-3 -A			19,05	3	230		1.905.084	470.132
SNF 240x40-20-4 -A				4	270		2.570.939	608.377
SNF 240x40-22-3 -A			22,225	3	240		2.193.742	579.165
SNF 240x40-22-4 -A				4	280		2.960.486	749.471
SNF 240x60-13-2 -A		60	12,7	2	225		832.530	183.699
SNF 240x60-13-3 -A				3	285		1.279.859	265.903
SNF 240x60-16-2 -A			15,895	2	235		1.035.809	251.614
SNF 240x60-16-3 -A				3	295		1.592.363	364.208
SNF 240x60-20-2 -A			19,05	2	215		1.237.167	324.791
SNF 240x60-20-3 -A				3	255		1.901.914	470.132
SNF 240x60-22-2 -A			22,225	2	240		1.466.542	407.924
SNF 240x60-22-3 -A				3	300		2.254.535	590.466

SNF axial



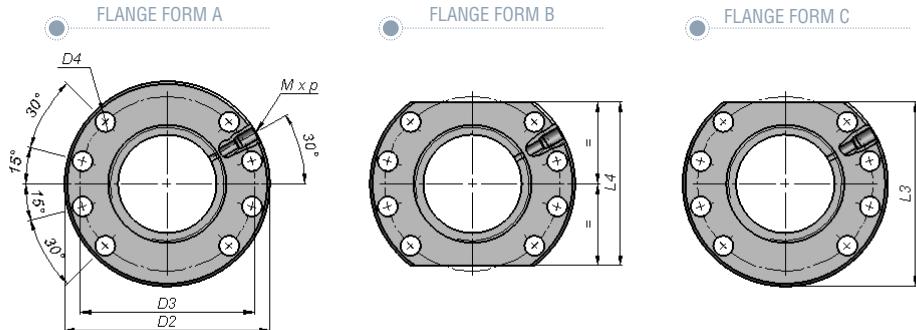
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
260	310	285	22	8	M10x1	40	40	292,5	275	SNF 200x40-13-3 -A
260	310	285	22	8	M10x1	40	40	292,5	275	SNF 200x40-13-4 -A
270	320	295	22	8	M10x1	40	40	302,5	285	SNF 200x40-16-3 -A
270	320	295	22	8	M10x1	40	40	302,5	285	SNF 200x40-16-4 -A
280	330	305	22	8	M10x1	40	40	312,5	295	SNF 200x40-20-3 -A
280	330	305	22	8	M10x1	40	40	312,5	295	SNF 200x40-20-4 -A
290	340	315	22	8	M10x1	40	40	322,5	305	SNF 200x40-22-3 -A
290	340	315	22	8	M10x1	40	40	322,5	305	SNF 200x40-22-4 -A
260	310	285	22	8	M10x1	40	40	292,5	275	SNF 200x60-13-2 -A
260	310	285	22	8	M10x1	40	40	292,5	275	SNF 200x60-13-3 -A
270	320	295	22	8	M10x1	40	40	302,5	285	SNF 200x60-16-2 -A
270	320	295	22	8	M10x1	40	40	302,5	285	SNF 200x60-16-3 -A
280	330	305	22	8	M10x1	40	40	312,5	295	SNF 200x60-20-2 -A
280	330	305	22	8	M10x1	40	40	312,5	295	SNF 200x60-20-3 -A
290	340	315	22	8	M10x1	40	40	322,5	305	SNF 200x60-22-2 -A
290	340	315	22	8	M10x1	40	40	322,5	305	SNF 200x60-22-3 -A
280	330	305	22	8	M10x1	40	40	312,5	295	SNF 220x40-13-3 -A
280	330	305	22	8	M10x1	40	40	312,5	295	SNF 220x40-13-4 -A
290	340	315	22	8	M10x1	40	40	322,5	305	SNF 220x40-16-3 -A
290	340	315	22	8	M10x1	40	40	322,5	305	SNF 220x40-16-4 -A
300	350	325	22	8	M10x1	40	40	332,5	315	SNF 220x40-20-3 -A
300	350	325	22	8	M10x1	40	40	332,5	315	SNF 220x40-20-4 -A
310	360	335	22	8	M10x1	40	40	342,5	325	SNF 220x40-22-3 -A
310	360	335	22	8	M10x1	40	40	342,5	325	SNF 220x40-22-4 -A
280	330	305	22	8	M10x1	40	40	312,5	295	SNF 220x60-13-2 -A
280	330	305	22	8	M10x1	40	40	312,5	295	SNF 220x60-13-3 -A
290	340	315	22	8	M10x1	40	40	322,5	305	SNF 220x60-16-2 -A
290	340	315	22	8	M10x1	40	40	322,5	305	SNF 220x60-16-3 -A
300	350	325	22	8	M10x1	40	40	332,5	315	SNF 220x60-20-2 -A
300	350	325	22	8	M10x1	40	40	332,5	315	SNF 220x60-20-3 -A
310	360	335	22	8	M10x1	40	40	342,5	325	SNF 220x60-22-2 -A
310	360	335	22	8	M10x1	40	40	342,5	325	SNF 220x60-22-3 -A
300	350	325	22	8	M10x1	40	40	332,5	315	SNF 240x40-13-3 -A
300	350	325	22	8	M10x1	40	40	332,5	315	SNF 240x40-13-4 -A
310	360	335	22	8	M10x1	40	40	342,5	325	SNF 240x40-16-3 -A
310	360	335	22	8	M10x1	40	40	342,5	325	SNF 240x40-16-4 -A
320	370	345	22	8	M10x1	40	40	352,5	335	SNF 240x40-20-3 -A
320	370	345	22	8	M10x1	40	40	352,5	335	SNF 240x40-20-4 -A
330	380	355	22	8	M10x1	40	40	362,5	345	SNF 240x40-22-3 -A
330	380	355	22	8	M10x1	40	40	362,5	345	SNF 240x40-22-4 -A
300	350	325	22	8	M10x1	40	40	332,5	315	SNF 240x60-13-2 -A
300	350	325	22	8	M10x1	40	40	332,5	315	SNF 240x60-13-3 -A
310	360	335	22	8	M10x1	40	40	342,5	325	SNF 240x60-16-2 -A
310	360	335	22	8	M10x1	40	40	342,5	325	SNF 240x60-16-3 -A
320	370	345	22	8	M10x1	40	40	352,5	335	SNF 240x60-20-2 -A
320	370	345	22	8	M10x1	40	40	352,5	335	SNF 240x60-20-3 -A
330	380	355	22	8	M10x1	40	40	362,5	345	SNF 240x60-22-2 -A
330	380	355	22	8	M10x1	40	40	362,5	345	SNF 240x60-22-3 -A
300	350	325	22	8	M10x1	40	40	332,5	315	SNF 240x60-13-2 -A
300	350	325	22	8	M10x1	40	40	332,5	315	SNF 240x60-13-3 -A
310	360	335	22	8	M10x1	40	40	342,5	325	SNF 240x60-16-2 -A
310	360	335	22	8	M10x1	40	40	342,5	325	SNF 240x60-16-3 -A
320	370	345	22	8	M10x1	40	40	352,5	335	SNF 240x60-20-2 -A
320	370	345	22	8	M10x1	40	40	352,5	335	SNF 240x60-20-3 -A
330	380	355	22	8	M10x1	40	40	362,5	345	SNF 240x60-22-2 -A
330	380	355	22	8	M10x1	40	40	362,5	345	SNF 240x60-22-3 -A

SINGLE NUT FLANGED AXIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT		Coa N	Ca N
					±0,1	N		
SNF 260x40-13-3 -A	260	40	12,7	3	215	1.391.145	274.223	
SNF 260x40-13-4 -A				4	255	1.877.371	354.860	
SNF 260x40-16-3 -A			15,895	3	225	1.731.424	375.854	
SNF 260x40-16-4 -A				4	265	2.336.581	486.376	
SNF 260x40-20-3 -A			19,05	3	235	2.052.814	483.045	
SNF 260x40-20-4 -A				4	275	2.770.302	625.087	
SNF 260x40-22-3 -A			22,225	3	240	2.393.827	600.468	
SNF 260x40-22-4 -A				4	280	3.230.504	777.039	
SNF 260x60-13-2 -A		60	12,7	2	230	903.611	189.447	
SNF 260x60-13-3 -A				3	290	1.389.134	274.223	
SNF 260x60-16-2 -A			15,895	2	240	1.124.649	259.659	
SNF 260x60-16-3 -A				3	300	1.728.938	375.854	
SNF 260x60-20-2 -A			19,05	2	220	1.333.423	333.712	
SNF 260x60-20-3 -A				3	260	2.049.889	483.045	
SNF 260x60-22-2 -A			22,225	2	245	1.554.948	414.834	
SNF 260x60-22-3 -A				3	305	2.390.442	600.468	
SNF 280x40-13-3 -A	280	40	12,7	3	230	1.500.248	282.112	
SNF 280x40-13-4 -A				4	270	2.024.606	365.068	
SNF 280x40-16-3 -A			15,895	3	240	1.867.791	386.875	
SNF 280x40-16-4 -A				4	280	2.520.611	500.637	
SNF 280x40-20-3 -A			19,05	3	250	2.248.297	502.466	
SNF 280x40-20-4 -A				4	290	3.034.110	650.219	
SNF 280x40-22-3 -A			22,225	3	255	2.593.946	620.488	
SNF 280x40-22-4 -A				4	295	3.500.567	802.946	
SNF 280x60-13-2 -A		60	12,7	2	240	974.669	194.897	
SNF 280x60-13-3 -A				3	300	1.498.372	282.112	
SNF 280x60-16-2 -A			15,895	2	250	1.213.462	267.273	
SNF 280x60-16-3 -A				3	310	1.865.471	386.875	
SNF 280x60-20-2 -A			19,05	2	230	1.460.681	347.129	
SNF 280x60-20-3 -A				3	270	2.245.525	502.466	
SNF 280x60-22-2 -A			22,225	2	255	1.685.258	428.665	
SNF 280x60-22-3 -A				3	315	2.590.769	620.488	
SNF 300x40-13-3 -A	300	40	12,7	3	250	1.609.338	289.624	
SNF 300x40-13-4 -A				4	290	2.171.825	374.789	
SNF 300x40-16-3 -A			15,895	3	255	2.004.144	397.352	
SNF 300x40-16-4 -A				4	295	2.704.621	514.195	
SNF 300x40-20-3 -A			19,05	3	250	2.395.963	513.895	
SNF 300x40-20-4 -A				4	290	3.233.387	665.008	
SNF 300x40-22-3 -A			22,225	3	260	2.794.090	639.407	
SNF 300x40-22-4 -A				4	300	3.770.665	827.427	
SNF 300x60-13-2 -A		60	12,7	2	245	1.045.708	200.087	
SNF 300x60-13-3 -A				3	305	1.607.581	289.624	
SNF 300x60-16-2 -A			15,895	2	255	1.302.252	274.511	
SNF 300x60-16-3 -A				3	325	2.001.970	397.352	
SNF 300x60-20-2 -A			19,05	2	235	1.556.859	355.025	
SNF 300x60-20-3 -A				3	275	2.393.381	513.895	
SNF 300x60-22-2 -A			22,225	2	260	1.815.569	441.735	
SNF 300x60-22-3 -A				3	320	2.791.098	639.407	

SNF axial



D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
320	370	345	22	8	M10x1	40	40	352,5	335	SNF 260x40-13-3 -A
320	370	345	22	8	M10x1	40	40	352,5	335	SNF 260x40-13-4 -A
330	380	355	22	8	M10x1	40	40	362,5	345	SNF 260x40-16-3 -A
330	380	355	22	8	M10x1	40	40	362,5	345	SNF 260x40-16-4 -A
340	390	365	22	8	M10x1	40	40	372,5	355	SNF 260x40-20-3 -A
340	390	365	22	8	M10x1	40	40	372,5	355	SNF 260x40-20-4 -A
350	400	375	22	8	M10x1	40	40	382,5	365	SNF 260x40-22-3 -A
350	400	375	22	8	M10x1	40	40	382,5	365	SNF 260x40-22-4 -A
320	370	345	22	8	M10x1	40	40	352,5	335	SNF 260x60-13-2 -A
320	370	345	22	8	M10x1	40	40	352,5	335	SNF 260x60-13-3 -A
330	380	355	22	8	M10x1	40	40	362,5	345	SNF 260x60-16-2 -A
330	380	355	22	8	M10x1	40	40	362,5	345	SNF 260x60-16-3 -A
340	390	365	22	8	M10x1	40	40	372,5	355	SNF 260x60-20-2 -A
340	390	365	22	8	M10x1	40	40	372,5	355	SNF 260x60-20-3 -A
350	400	375	22	8	M10x1	40	40	382,5	365	SNF 260x60-22-2 -A
350	400	375	22	8	M10x1	40	40	382,5	365	SNF 260x60-22-3 -A
340	390	365	22	8	M10x1	40	40	372,5	355	SNF 280x40-13-3 -A
340	390	365	22	8	M10x1	40	40	372,5	355	SNF 280x40-13-4 -A
350	400	375	22	8	M10x1	40	40	382,5	365	SNF 280x40-16-3 -A
350	400	375	22	8	M10x1	40	40	382,5	365	SNF 280x40-16-4 -A
360	410	385	22	8	M10x1	40	40	392,5	375	SNF 280x40-20-3 -A
360	410	385	22	8	M10x1	40	40	392,5	375	SNF 280x40-20-4 -A
370	420	395	22	8	M10x1	40	40	402,5	385	SNF 280x40-22-3 -A
370	420	395	22	8	M10x1	40	40	402,5	385	SNF 280x40-22-4 -A
340	390	365	22	8	M10x1	40	40	372,5	355	SNF 280x60-13-2 -A
340	390	365	22	8	M10x1	40	40	372,5	355	SNF 280x60-13-3 -A
350	400	375	22	8	M10x1	40	40	382,5	365	SNF 280x60-16-2 -A
350	400	375	22	8	M10x1	40	40	382,5	365	SNF 280x60-16-3 -A
360	410	385	22	8	M10x1	40	40	392,5	375	SNF 280x60-20-2 -A
360	410	385	22	8	M10x1	40	40	392,5	375	SNF 280x60-20-3 -A
370	420	395	22	8	M10x1	40	40	402,5	385	SNF 280x60-22-2 -A
370	420	395	22	8	M10x1	40	40	402,5	385	SNF 280x60-22-3 -A
360	410	385	22	8	M10x1	40	40	392,5	375	SNF 300x40-13-3 -A
360	410	385	22	8	M10x1	40	40	392,5	375	SNF 300x40-13-4 -A
370	420	395	22	8	M10x1	40	40	402,5	385	SNF 300x40-16-3 -A
370	420	395	22	8	M10x1	40	40	402,5	385	SNF 300x40-16-4 -A
380	430	405	22	8	M10x1	40	40	412,5	395	SNF 300x40-20-3 -A
380	430	405	22	8	M10x1	40	40	412,5	395	SNF 300x40-20-4 -A
390	440	415	22	8	M10x1	40	40	422,5	405	SNF 300x40-22-3 -A
390	440	415	22	8	M10x1	40	40	422,5	405	SNF 300x40-22-4 -A
360	410	385	22	8	M10x1	40	40	392,5	375	SNF 300x60-13-2 -A
360	410	385	22	8	M10x1	40	40	392,5	375	SNF 300x60-13-3 -A
370	420	395	22	8	M10x1	40	40	402,5	385	SNF 300x60-16-2 -A
370	420	395	22	8	M10x1	40	40	402,5	385	SNF 300x60-16-3 -A
380	430	405	22	8	M10x1	40	40	412,5	395	SNF 300x60-20-2 -A
380	430	405	22	8	M10x1	40	40	412,5	395	SNF 300x60-20-3 -A
390	440	415	22	8	M10x1	40	40	422,5	405	SNF 300x60-22-2 -A
390	440	415	22	8	M10x1	40	40	422,5	405	SNF 300x60-22-3 -A

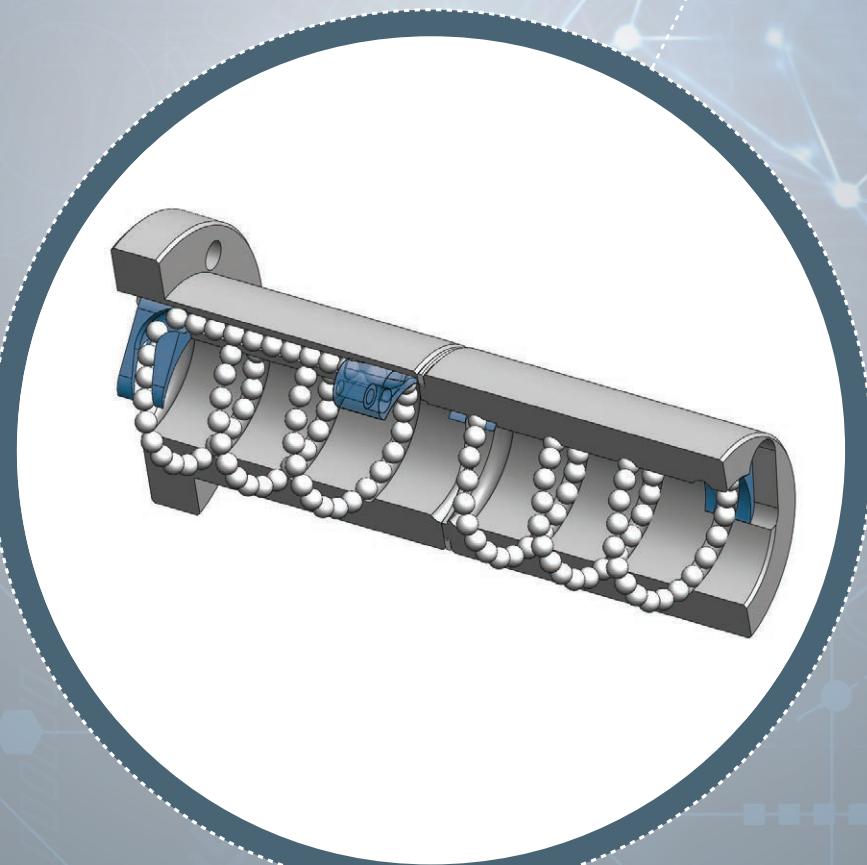


DOUBLE NUT FLANGED PRELOADED



AXIAL DEFLECTORS

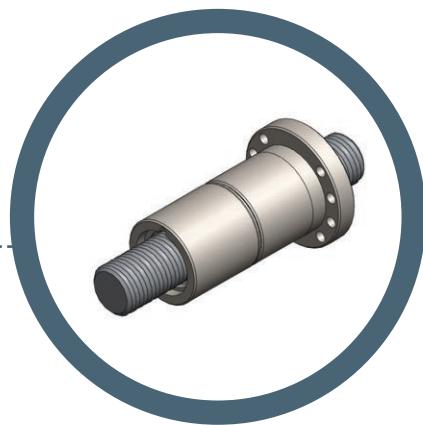
DNF axial





FEATURES

BSG flanged double nut preloaded with axial recirculation series: solutions for universal applications and balls with 4 contact points, where the requirement is **high rigidity in the shortest length**.



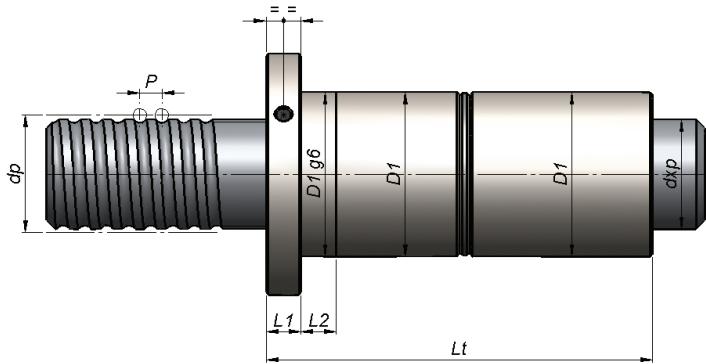
● RANGE OF PRODUCTION

		Lead																								
		5	6	8	10	12	15	16	20	25	30	40	50	60												
nc		2	4	5	2	4	5	2	3	4	5	6	3	5	6	3	5	6	3	4	5	6	2	3	2	3
Diameter		20																								
		25																								
		32																								
		40																								
		50																								
		63																								
		80																								
		100																								
		120																								
		125																								
		140																								
		160																								
		180																								
		200																								
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		260																								
		280																								
		300																								

A

DOUBLE NUT FLANGED (AXIAL DEFLECTORS)

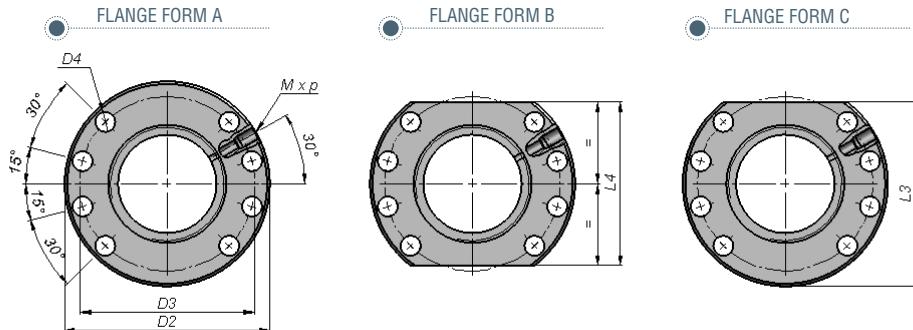
DOUBLE NUT FLANGED AXIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
DNF 040x20-06-3 -A	40	20	6,35	3	174	100.356	46.972
DNF 040x20-06-4 -A				4	214	135.433	60.785
DNF 040x20-06-5 -A				5	254	170.509	74.100
DNF 040x20-06-6 -A				6	294	205.585	87.033
DNF 040x25-06-3 -A		25	6,35	3	204	99.731	46.972
DNF 040x25-06-4 -A				4	254	134.589	60.785
DNF 040x25-06-5 -A				5	304	169.447	74.100
DNF 040x25-06-6 -A				6	354	204.304	87.033
DNF 050x20-08-3 -A	50	20	7,938	3	192	157.694	70.845
DNF 050x20-08-4 -A				4	232	212.811	91.677
DNF 050x20-08-5 -A				5	272	267.927	111.758
DNF 050x20-08-6 -A				6	312	323.044	131.265
DNF 050x25-10-3 -A		25	9,525	3	228	192.651	91.826
DNF 050x25-10-4 -A				4	278	259.985	118.828
DNF 050x25-10-5 -A				5	328	327.319	144.857
DNF 050x25-10-6 -A				6	378	394.654	170.141
DNF 050x30-10-3 -A		30	9,525	3	258	191.727	91.826
DNF 050x30-10-4 -A				4	318	258.738	118.828
DNF 050x30-10-5 -A				5	378	325.749	144.857
DNF 050x30-10-6 -A				6	438	392.760	170.141
DNF 063x20-10-3 -A	63	20	9,525	3	198	242.927	101.852
DNF 063x20-10-4 -A				4	238	327.834	131.803
DNF 063x20-10-5 -A				5	278	412.740	160.673
DNF 063x20-10-6 -A				6	318	497.647	188.718
DNF 063x20-13-3 -A		12,7	12,7	3	212	323.184	149.133
DNF 063x20-13-4 -A				4	252	436.142	192.987
DNF 063x20-13-5 -A				5	292	549.099	235.259
DNF 063x20-13-6 -A				6	332	662.057	276.323
DNF 063x25-10-3 -A		25	9,525	3	228	242.302	101.852
DNF 063x25-10-4 -A				4	278	326.990	131.803
DNF 063x25-10-5 -A				5	328	411.678	160.673
DNF 063x25-10-6 -A				6	378	496.366	188.718
DNF 063x30-10-2 -A		30	9,525	2	198	164.603	72.581
DNF 063x30-10-3 -A				3	258	253.046	105.061
DNF 063x30-10-5 -A				5	378	429.932	165.735
DNF 063x30-13-2 -A				2	212	209.064	103.029
DNF 063x30-13-3 -A		12,7	12,7	3	272	321.397	149.133
DNF 063x30-13-5 -A				5	392	546.063	235.259
DNF 063x40-06-3 -A		40	6,35	3	302	154.955	56.495
DNF 063x40-06-4 -A			9,525	4	382	209.114	73.108
DNF 063x40-10-3 -A			9,525	3	322	251.058	105.061
DNF 063x40-10-4 -A			12,7	4	402	338.806	135.954
DNF 063x40-13-3 -A			12,7	3	346	318.944	149.133
DNF 063x40-13-4 -A			12,7	4	426	430.420	192.987

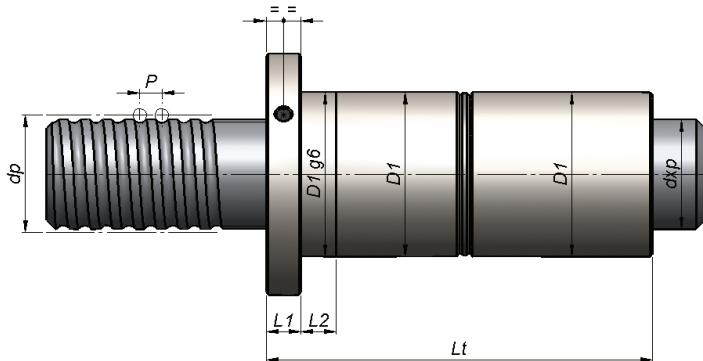
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

DNF axial



D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
75	115	95	9	8	M8x1	18	18	100	85	DNF 040x20-06-3 -A
75	115	95	9	8	M8x1	18	18	100	85	DNF 040x20-06-4 -A
75	115	95	9	8	M8x1	18	18	100	85	DNF 040x20-06-5 -A
75	115	95	9	8	M8x1	18	18	100	85	DNF 040x20-06-6 -A
75	115	95	9	8	M8x1	18	18	100	85	DNF 040x25-06-3 -A
75	115	95	9	8	M8x1	18	18	100	85	DNF 040x25-06-4 -A
75	115	95	9	8	M8x1	18	18	100	85	DNF 040x25-06-5 -A
75	115	95	9	8	M8x1	18	18	100	85	DNF 040x25-06-6 -A
85	125	105	11	8	M8x1	25	25	107,5	90	DNF 050x20-08-3 -A
85	125	105	11	8	M8x1	25	25	107,5	90	DNF 050x20-08-4 -A
85	125	105	11	8	M8x1	25	25	107,5	90	DNF 050x20-08-5 -A
85	125	105	11	8	M8x1	25	25	107,5	90	DNF 050x20-08-6 -A
95	135	115	11	8	M8x1	25	25	117,5	100	DNF 050x25-10-3 -A
95	135	115	11	8	M8x1	25	25	117,5	100	DNF 050x25-10-4 -A
95	135	115	11	8	M8x1	25	25	117,5	100	DNF 050x25-10-5 -A
95	135	115	11	8	M8x1	25	25	117,5	100	DNF 050x25-10-6 -A
95	135	115	11	8	M8x1	25	25	117,5	100	DNF 050x30-10-3 -A
95	135	115	11	8	M8x1	25	25	117,5	100	DNF 050x30-10-4 -A
95	135	115	11	8	M8x1	25	25	117,5	100	DNF 050x30-10-5 -A
95	135	115	11	8	M8x1	25	25	117,5	100	DNF 050x30-10-6 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x20-10-3 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x20-10-4 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x20-10-5 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x20-10-6 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x20-13-3 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x20-13-4 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x20-13-5 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x20-13-6 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x25-10-3 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x25-10-4 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x25-10-5 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x25-10-6 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x30-10-2 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x30-10-3 -A
105	145	125	13,5	8	M8x1	30	30	127,5	110	DNF 063x30-10-5 -A
120	160	140	13,5	8	M8x1	30	30	142,5	125	DNF 063x30-13-2 -A
120	160	140	13,5	8	M8x1	30	30	142,5	125	DNF 063x30-13-3 -A
120	160	140	13,5	8	M8x1	30	30	142,5	125	DNF 063x30-13-5 -A
95	135	115	13,5	8	M8x1	35	35	117,5	100	DNF 063x40-06-3 -A
95	135	115	13,5	8	M8x1	35	35	117,5	100	DNF 063x40-06-4 -A
110	150	130	13,5	8	M8x1	35	35	132,5	115	DNF 063x40-10-3 -A
110	150	130	13,5	8	M8x1	35	35	132,5	115	DNF 063x40-10-4 -A
120	160	140	13,5	8	M8x1	35	35	142,5	125	DNF 063x40-13-3 -A
120	160	140	13,5	8	M8x1	35	35	142,5	125	DNF 063x40-13-4 -A

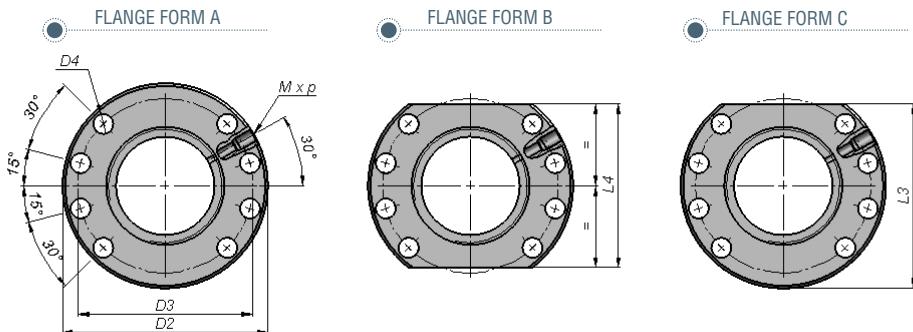
DOUBLE NUT FLANGED AXIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT	Coa	Ca	
					±0,1	N	N	
DNF 080x20-10-3 -A	20	20	9,525	3	205	316.473	114.671	
DNF 080x20-10-4 -A				4	240	450.459	154.257	
DNF 080x20-10-5 -A				5	285	537.697	180.895	
DNF 080x20-10-6 -A				6	325	648.310	212.470	
DNF 080x20-13-3 -A		12,7		3	215	410.907	166.983	
DNF 080x20-13-4 -A				4	255	554.525	216.085	
DNF 080x20-13-5 -A				5	295	698.143	263.418	
DNF 080x20-13-6 -A		25		6	335	841.761	309.396	
DNF 080x25-10-3 -A		9,525	3	235	315.955	114.671		
DNF 080x25-10-4 -A			4	285	426.386	148.391		
DNF 080x25-10-5 -A			5	335	536.817	180.895		
DNF 080x25-10-6 -A			6	385	647.248	212.470		
DNF 080x25-13-3 -A			12,7		3	250	410.250	166.983
DNF 080x25-13-4 -A					4	300	553.639	216.085
DNF 080x25-13-5 -A					5	350	697.027	263.418
DNF 080x25-13-6 -A			30		6	400	840.416	309.396
DNF 080x25-16-3 -A		15,875	3	255	505.601	222.461		
DNF 080x25-16-4 -A			4	305	682.316	287.877		
DNF 080x25-16-5 -A			5	355	859.031	350.935		
DNF 080x25-16-6 -A			6	405	1.035.746	412.190		
DNF 080x30-10-3 -A	80	80	9,525	3	270	315.326	114.671	
DNF 080x30-10-4 -A				4	330	425.536	148.391	
DNF 080x30-10-5 -A				5	390	535.747	180.895	
DNF 080x30-10-6 -A				6	450	645.958	212.470	
DNF 080x30-13-3 -A		12,7		3	275	409.452	166.983	
DNF 080x30-13-4 -A				4	335	552.561	216.085	
DNF 080x30-13-5 -A				5	395	695.670	263.418	
DNF 080x30-13-6 -A		30		6	455	838.780	309.396	
DNF 080x30-16-3 -A		15,875	3	285	504.640	222.461		
DNF 080x30-16-4 -A			4	345	681.018	287.877		
DNF 080x30-16-5 -A			5	405	857.397	350.935		
DNF 080x30-16-6 -A			6	465	1.033.776	412.190		
DNF 080x40-10-3 -A	40	40	9,525	3	330	337.850	114.790	
DNF 080x40-10-4 -A				4	410	423.396	148.391	
DNF 080x40-10-5 -A				5	490	533.052	180.895	
DNF 080x40-10-6 -A				6	570	642.709	212.470	
DNF 080x40-13-3 -A		12,7		3	345	427.812	172.504	
DNF 080x40-13-4 -A				4	425	577.338	223.229	
DNF 080x40-13-5 -A				5	505	726.865	272.127	
DNF 080x40-13-6 -A		40		6	585	876.391	319.625	
DNF 080x40-16-3 -A		15,875	3	355	533.605	231.636		
DNF 080x40-16-4 -A			4	435	720.108	299.750		
DNF 080x40-16-5 -A			5	515	906.611	365.409		
DNF 080x40-16-6 -A			6	595	1.093.114	429.190		

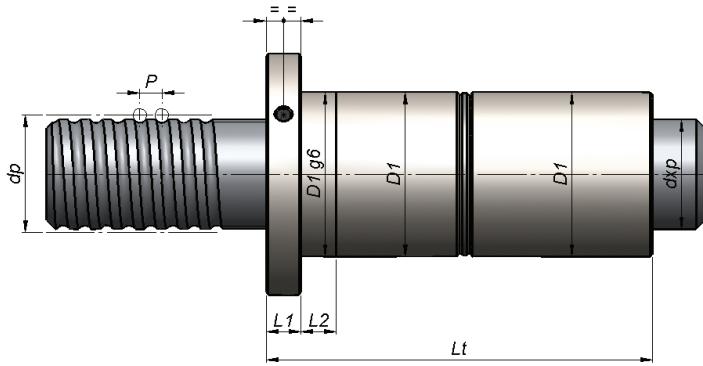
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

DNF axial



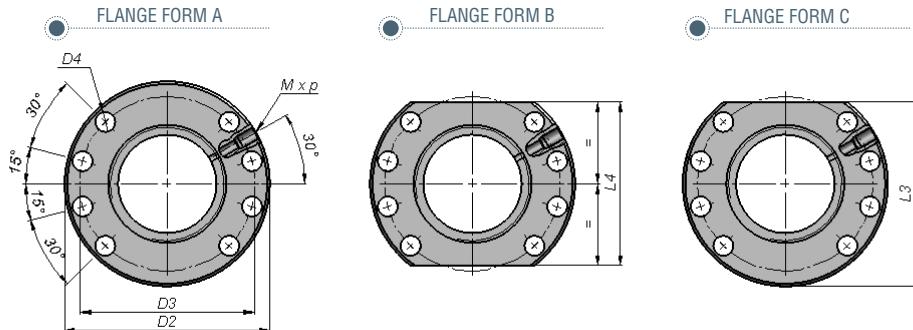
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x20-10-3 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x20-10-4 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x20-10-5 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x20-10-6 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	DNF 080x20-13-3 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	DNF 080x20-13-4 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	DNF 080x20-13-5 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	DNF 080x20-13-6 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x25-10-3 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x25-10-4 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x25-10-5 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x25-10-6 -A
135	175	155	13,5	8	M8x1	30	30	155,5	140	DNF 080x25-13-3 -A
135	175	155	13,5	8	M8x1	30	30	155,5	140	DNF 080x25-13-4 -A
135	175	155	13,5	8	M8x1	30	30	155,5	140	DNF 080x25-13-5 -A
135	175	155	13,5	8	M8x1	30	30	155,5	140	DNF 080x25-13-6 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x25-16-3 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x25-16-4 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x25-16-5 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x25-16-6 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x30-10-3 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x30-10-4 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x30-10-5 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x30-10-6 -A
135	175	155	13,5	8	M8x1	30	30	155,5	135	DNF 080x30-13-3 -A
135	175	155	13,5	8	M8x1	30	30	155,5	135	DNF 080x30-13-4 -A
135	175	155	13,5	8	M8x1	30	30	155,5	135	DNF 080x30-13-5 -A
135	175	155	13,5	8	M8x1	30	30	155,5	135	DNF 080x30-13-6 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x30-16-3 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x30-16-4 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x30-16-5 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x30-16-6 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x40-10-3 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x40-10-4 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x40-10-5 -A
125	165	145	13,5	8	M8x1	30	30	147,5	130	DNF 080x40-10-6 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	DNF 080x40-13-3 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	DNF 080x40-13-4 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	DNF 080x40-13-5 -A
135	175	155	13,5	8	M8x1	30	30	157,5	140	DNF 080x40-13-6 -A
150	190	170	13,5	8	M8x1	30	30	172,5	155	DNF 080x40-16-3 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x40-16-4 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x40-16-5 -A
150	190	170	13,5	8	M8x1	35	35	172,5	155	DNF 080x40-16-6 -A

DOUBLE NUT FLANGED AXIAL DEFLECTORS



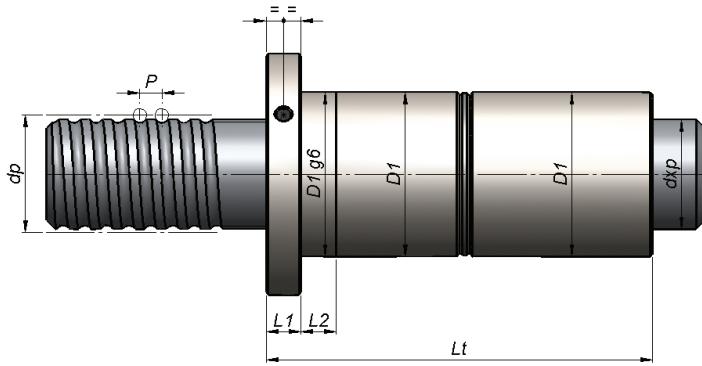
CODE	d	p	Øball	Nc	LT	Coa	Ca	
					±0,1	N	N	
DNF 100x20-10-3 -A	20	9,525	3	3	256	402.328	126.874	
DNF 100x20-10-4 -A				4	276	542.948	164.182	
DNF 100x20-10-5 -A				5	296	683.567	200.145	
DNF 100x20-10-6 -A				6	316	824.187	235.080	
DNF 100x20-13-3 -A		12,7	3	3	220	520.014	185.465	
DNF 100x20-13-4 -A				4	260	701.766	240.001	
DNF 100x20-13-5 -A			5	300	883.519	292.573		
DNF 100x20-13-6 -A			6	340	1.065.271	343.640		
DNF 100x25-10-3 -A	25	9,525	3	3	305	401.899	126.874	
DNF 100x25-10-4 -A				4	355	542.369	164.182	
DNF 100x25-10-5 -A				5	405	682.838	200.145	
DNF 100x25-10-6 -A				6	455	823.308	235.080	
DNF 100x25-13-3 -A		12,7	3	3	325	519.470	185.465	
DNF 100x25-13-4 -A				4	375	701.032	240.001	
DNF 100x25-13-5 -A			5	425	882.594	292.573		
DNF 100x25-13-6 -A			6	475	1.064.156	343.640		
DNF 100x25-16-3 -A	30	15,875	3	3	345	642.033	249.554	
DNF 100x25-16-4 -A				4	395	866.432	322.937	
DNF 100x25-16-5 -A				5	445	1.090.832	393.675	
DNF 100x25-16-6 -A				6	495	1.315.232	462.390	
DNF 100x30-10-2 -A		9,525	2	2	200	261.090	87.651	
DNF 100x30-10-3 -A				3	260	401.376	126.874	
DNF 100x30-10-5 -A				5	380	681.950	200.145	
DNF 100x30-13-2 -A			12,7	2	212	337.476	128.128	
DNF 100x30-13-3 -A				3	272	518.807	185.465	
DNF 100x30-13-5 -A				5	392	881.468	292.573	
DNF 100x30-16-2 -A	40	15,875	2	2	225	417.110	172.405	
DNF 100x30-16-3 -A				3	285	641.229	249.554	
DNF 100x30-16-5 -A				5	405	1.089.467	393.675	
DNF 100x40-10-3 -A		9,525	3	3	316	400.055	126.874	
DNF 100x40-10-4 -A				4	396	539.880	164.182	
DNF 100x40-13-3 -A			12,7	3	330	517.132	185.465	
DNF 100x40-13-4 -A				4	410	697.877	240.001	
DNF 100x40-16-3 -A				3	342	639.197	249.554	
DNF 100x40-16-4 -A		15,875	4	4	422	862.605	322.937	
DNF 100x50-10-2 -A	50	9,525		2	286	259.138	87.651	
DNF 100x50-10-3 -A				3	386	398.376	126.874	
DNF 100x50-13-2 -A		12,7	2	290	348.401	131.523		
DNF 100x50-13-3 -A			3	390	535.601	190.378		
DNF 100x50-16-2 -A		15,875	2	306	434.812	178.105		
DNF 100x50-16-3 -A			3	406	668.443	257.805		
DNF 100x60-10-2 -A	60	9,525	2	2	316	257.821	87.651	
DNF 100x60-10-3 -A				3	436	396.351	126.874	
DNF 100x60-13-2 -A		12,7	2	2	330	346.663	131.523	
DNF 100x60-13-3 -A				3	450	532.930	190.378	
DNF 100x60-16-2 -A		15,875	2	2	346	432.684	178.105	
DNF 100x60-16-3 -A				3	466	665.170	257.805	

DNF axial



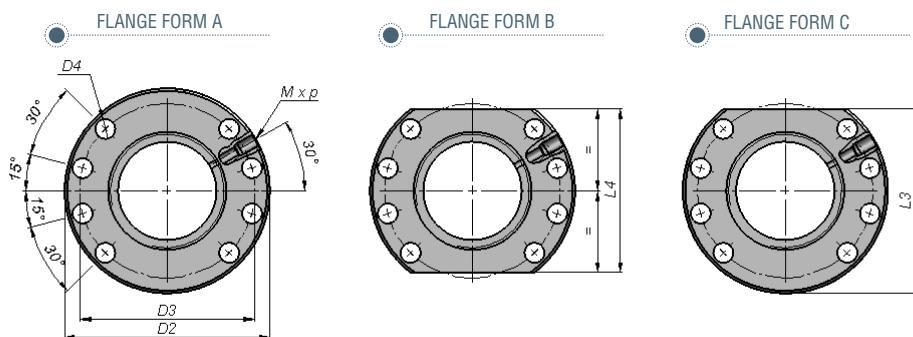
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x20-10-3 -A
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x20-10-4 -A
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x20-10-5 -A
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x20-10-6 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	DNF 100x20-13-3 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	DNF 100x20-13-4 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	DNF 100x20-13-5 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	DNF 100x20-13-6 -A
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-10-3 -A
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-10-4 -A
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-10-5 -A
150	202	176	17,5	8	M8x1	30	30	178,5	155	DNF 100x25-10-6 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	DNF 100x25-13-3 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	DNF 100x25-13-4 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	DNF 100x25-13-5 -A
160	210	185	17,5	8	M8x1	30	30	192,5	175	DNF 100x25-13-6 -A
170	220	195	17,5	8	M8x1	30	30	202,5	185	DNF 100x25-16-3 -A
170	220	195	17,5	8	M8x1	30	30	202,5	185	DNF 100x25-16-4 -A
170	220	195	17,5	8	M8x1	30	30	202,5	185	DNF 100x25-16-5 -A
170	220	195	17,5	8	M8x1	30	30	202,5	185	DNF 100x25-16-6 -A
150	202	176	17,5	8	M8x1	30	35	178,5	155	DNF 100x30-10-2 -A
150	202	176	17,5	8	M8x1	30	35	178,5	155	DNF 100x30-10-3 -A
150	202	176	17,5	8	M8x1	30	35	178,5	155	DNF 100x30-10-5 -A
160	210	185	17,5	8	M8x1	35	35	192,5	175	DNF 100x30-13-2 -A
160	210	185	17,5	8	M8x1	35	35	192,5	175	DNF 100x30-13-3 -A
160	210	185	17,5	8	M8x1	35	35	192,5	175	DNF 100x30-13-5 -A
170	220	195	17,5	8	M8x1	35	35	202,5	185	DNF 100x30-16-2 -A
170	220	195	17,5	8	M8x1	35	35	202,5	185	DNF 100x30-16-5 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	DNF 100x40-10-3 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	DNF 100x40-10-4 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	DNF 100x40-13-3 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	DNF 100x40-13-4 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	DNF 100x40-16-3 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	DNF 100x40-16-4 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	DNF 100x50-10-2 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	DNF 100x50-10-3 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	DNF 100x50-13-2 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	DNF 100x50-13-3 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	DNF 100x50-16-2 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	DNF 100x50-16-3 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	DNF 100x60-10-2 -A
150	202	176	17,5	8	M8x1	40	40	178,5	155	DNF 100x60-10-3 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	DNF 100x60-13-2 -A
160	210	185	17,5	8	M8x1	40	40	192,5	175	DNF 100x60-13-3 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	DNF 100x60-16-2 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	DNF 100x60-16-3 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	DNF 100x60-16-2 -A
170	220	195	17,5	8	M8x1	40	40	202,5	185	DNF 100x60-16-3 -A

DOUBLE NUT FLANGED AXIAL DEFLECTORS



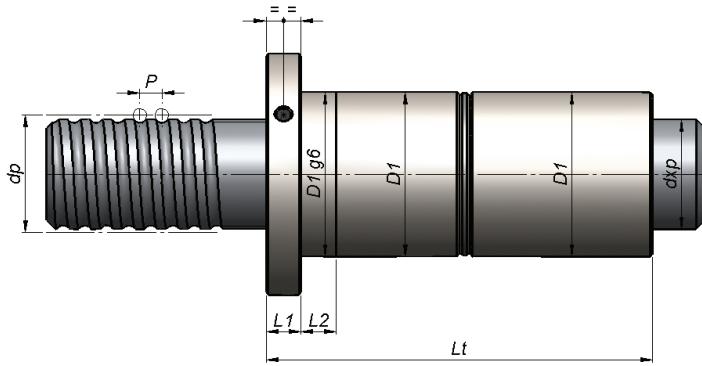
CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
DNF 120x20-13-4 -A	120	20	12,7	4	325	848.971	260.080
DNF 120x20-13-6 -A				6	405	1.288.725	372.389
DNF 120x25-13-4 -A		25	12,7	4	385	848.345	260.080
DNF 120x25-13-6 -A				6	485	1.287.775	372.389
DNF 120x25-16-4 -A		30	15,825	4	425	1.050.491	352.062
DNF 120x25-16-6 -A				6	525	1.594.630	504.092
DNF 120x30-13-2 -A		35	12,7	2	325	408.546	138.848
DNF 120x30-13-5 -A				5	445	1.067.099	317.049
DNF 120x30-16-2 -A		40	15,825	2	345	505.903	187.954
DNF 120x30-16-5 -A				5	525	1.321.390	429.180
DNF 120x30-20-2 -A		45	19,05	2	385	601.385	239.391
DNF 120x30-20-5 -A				5	565	1.570.782	546.634
DNF 120x40-13-3 -A		50	12,7	3	425	626.631	200.981
DNF 120x40-13-4 -A				4	505	845.648	260.080
DNF 120x40-16-3 -A		55	15,825	3	465	775.986	272.061
DNF 120x40-16-4 -A				4	545	1.047.204	352.062
DNF 120x40-20-3 -A		60	19,05	3	505	922.474	346.516
DNF 120x40-20-4 -A				4	585	1.244.892	448.411
DNF 120x50-13-2 -A		65	12,7	2	385	406.425	138.848
DNF 120x50-13-3 -A				3	485	624.803	200.981
DNF 120x50-16-2 -A		70	15,825	2	445	503.318	187.954
DNF 120x50-16-3 -A				3	545	773.758	272.061
DNF 120x50-20-2 -A		75	19,05	2	505	598.360	239.391
DNF 120x50-20-3 -A				3	605	919.867	346.516
DNF 120x60-13-2 -A		80	12,7	2	465	418.486	141.916
DNF 120x60-13-3 -A				3	585	643.344	205.422
DNF 120x60-16-2 -A		85	15,825	2	505	522.462	193.139
DNF 120x60-16-3 -A				3	625	803.188	279.567
DNF 120x60-20-2 -A		90	19,05	2	545	626.122	247.306
DNF 120x60-20-3 -A				3	665	962.545	357.973
DNF 125x20-13-4 -A	125	20	12,7	4	345	878.681	263.248
DNF 125x20-13-6 -A				6	425	1.333.826	376.925
DNF 125x25-13-4 -A		25	12,7	4	405	878.082	263.248
DNF 125x25-13-6 -A				6	505	1.332.917	376.925
DNF 125x25-16-4 -A		30	15,825	4	445	1.096.499	358.668
DNF 125x25-16-6 -A				6	545	1.664.470	513.550
DNF 125x30-13-2 -A		35	12,7	2	365	436.538	143.545
DNF 125x30-13-5 -A				5	545	1.140.212	327.776
DNF 125x30-16-2 -A		40	15,825	2	405	528.095	191.480
DNF 125x30-16-5 -A				5	585	1.379.354	437.233
DNF 125x30-20-2 -A		45	19,05	2	445	633.028	245.491
DNF 125x30-20-5 -A				5	605	1.653.431	560.561
DNF 125x40-13-3 -A		50	12,7	3	505	669.680	207.780
DNF 125x40-13-4 -A				4	585	903.743	268.879
DNF 125x40-16-3 -A		55	15,825	3	545	810.162	277.166
DNF 125x40-16-4 -A				4	625	1.093.325	358.668
DNF 125x40-20-3 -A		60	19,05	3	585	971.171	355.345
DNF 125x40-20-4 -A				4	665	1.310.609	459.836
DNF 125x50-13-2 -A		65	12,7	2	445	434.442	143.545
DNF 125x50-13-3 -A				3	545	667.873	207.780
DNF 125x50-16-2 -A		70	15,825	2	465	525.598	191.480
DNF 125x50-16-3 -A				3	565	808.008	277.166
DNF 125x50-20-2 -A		75	19,05	2	485	630.079	245.491
DNF 125x50-20-3 -A				3	585	968.629	355.345
DNF 125x60-13-2 -A		80	12,7	2	445	433.018	143.545
DNF 125x60-13-3 -A				3	565	665.685	207.780
DNF 125x60-16-2 -A		85	15,825	2	485	544.857	196.553
DNF 125x60-16-3 -A				3	605	837.616	284.509
DNF 125x60-20-2 -A		90	19,05	2	525	628.075	245.491
DNF 125x60-20-3 -A				3	645	965.548	355.345

Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers



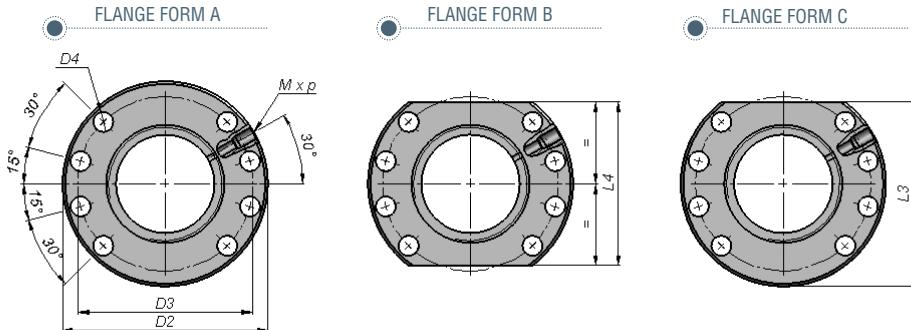
D1g6	D2 h13	D3 ±0,2	D4 H13	Nº of HOLES	MxP	L1	L2 +2	L3 h13	L4 h13	CODE
180	230	205	17,5	8	M8x1	35	35	212,5	195	DNF 120x20-13-4 -A
180	230	205	17,5	8	M8x1	35	35	212,5	195	DNF 120x20-13-6 -A
180	230	205	17,5	8	M8x1	35	35	212,5	195	DNF 120x25-13-4 -A
180	230	205	17,5	8	M8x1	35	35	212,5	195	DNF 120x25-13-6 -A
190	240	215	17,5	8	M8x1	35	35	222,5	205	DNF 120x25-16-4 -A
190	240	215	17,5	8	M8x1	35	35	222,5	205	DNF 120x25-16-6 -A
180	230	205	17,5	8	M8x1	35	35	212,5	195	DNF 120x30-13-2 -A
180	230	205	17,5	8	M8x1	35	35	212,5	195	DNF 120x30-13-5 -A
190	240	215	17,5	8	M8x1	35	35	222,5	205	DNF 120x30-16-2 -A
190	240	215	17,5	8	M8x1	35	35	222,5	205	DNF 120x30-16-5 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	DNF 120x30-20-2 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	DNF 120x30-20-5 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	DNF 120x40-13-3 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	DNF 120x40-13-4 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	DNF 120x40-16-3 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	DNF 120x40-16-4 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 120x40-20-3 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 120x40-20-4 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	DNF 120x50-13-2 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	DNF 120x50-13-3 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	DNF 120x50-16-2 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	DNF 120x50-16-3 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 120x50-20-2 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 120x50-20-3 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	DNF 120x60-13-2 -A
180	230	205	17,5	8	M8x1	40	40	212,5	195	DNF 120x60-13-3 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	DNF 120x60-16-2 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	DNF 120x60-16-3 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 120x60-20-2 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 120x60-20-3 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	DNF 125x20-13-4 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	DNF 125x20-13-6 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	DNF 125x25-13-4 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	DNF 125x25-13-6 -A
195	245	220	17,5	8	M8x1	35	35	227,5	210	DNF 125x25-16-4 -A
195	245	220	17,5	8	M8x1	35	35	227,5	210	DNF 125x25-16-6 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	DNF 125x30-13-2 -A
185	235	210	17,5	8	M8x1	35	35	217,5	200	DNF 125x30-13-5 -A
195	245	220	17,5	8	M8x1	35	35	227,5	210	DNF 125x30-16-2 -A
195	245	220	17,5	8	M8x1	35	35	227,5	210	DNF 125x30-16-5 -A
205	255	230	17,5	8	M8x1	35	35	237,5	220	DNF 125x30-20-2 -A
205	255	230	17,5	8	M8x1	35	35	237,5	220	DNF 125x30-20-5 -A
185	235	210	17,5	8	M8x1	40	40	217,5	200	DNF 125x40-13-3 -A
185	235	210	17,5	8	M8x1	40	40	217,5	200	DNF 125x40-13-4 -A
195	245	220	17,5	8	M8x1	40	40	227,5	210	DNF 125x40-16-3 -A
195	245	220	17,5	8	M8x1	40	40	227,5	210	DNF 125x40-16-4 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	DNF 125x40-20-3 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	DNF 125x40-20-4 -A
185	235	210	17,5	8	M8x1	40	40	217,5	200	DNF 125x50-13-2 -A
185	235	210	17,5	8	M8x1	40	40	217,5	200	DNF 125x50-13-3 -A
195	245	220	17,5	8	M8x1	40	40	227,5	210	DNF 125x50-16-2 -A
195	245	220	17,5	8	M8x1	40	40	227,5	210	DNF 125x50-16-3 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	DNF 125x50-20-2 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	DNF 125x50-20-3 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	DNF 125x60-13-2 -A
190	240	215	17,5	8	M8x1	40	40	222,5	205	DNF 125x60-13-3 -A
195	245	220	17,5	8	M8x1	40	40	227,5	210	DNF 125x60-16-2 -A
195	245	220	17,5	8	M8x1	40	40	227,5	210	DNF 125x60-16-3 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	DNF 125x60-20-2 -A
205	255	230	17,5	8	M8x1	40	40	237,5	220	DNF 125x60-20-3 -A

DOUBLE NUT FLANGED AXIAL DEFLECTORS



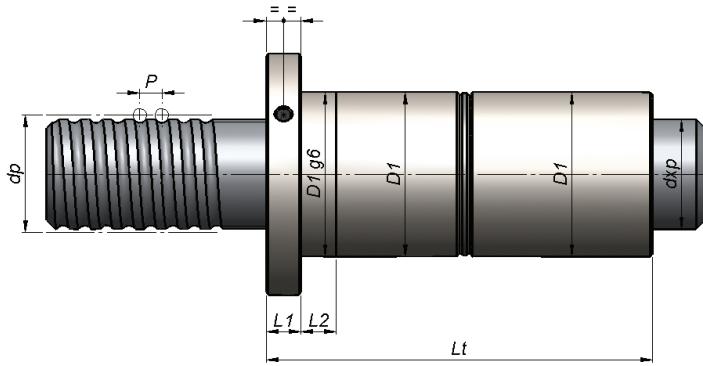
CODE	d	p	Øball	Nc	LT		Coa N	Ca N
					±0,1			
DNF 140x20-13-4 -A	140	20	12,7	4	365		996.151	277.575
DNF 140x20-13-6 -A				6	445		1.512.143	397.440
DNF 140x25-13-4 -A		25	12,7	4	425		995.605	277.575
DNF 140x25-13-6 -A				6	525		1.511.315	397.440
DNF 140x25-16-4 -A		30	15,895	4	465		1.234.510	377.211
DNF 140x25-16-6 -A				6	565		1.873.968	540.100
DNF 140x30-13-2 -A		30	12,7	2	385		479.575	148.188
DNF 140x30-13-5 -A				5	565		1.252.623	338.377
DNF 140x30-16-2 -A		40	15,895	2	425		594.659	201.380
DNF 140x30-16-5 -A				5	605		1.553.214	459.837
DNF 140x30-20-2 -A		40	19,05	2	465		728.075	262.498
DNF 140x30-20-5 -A				5	645		1.901.689	599.396
DNF 140x40-13-3 -A		50	12,7	3	525		736.007	214.500
DNF 140x40-13-4 -A				4	605		993.253	277.575
DNF 140x40-16-3 -A		50	15,895	3	565		912.648	291.495
DNF 140x40-16-4 -A				4	645		1.233.696	377.211
DNF 140x40-20-3 -A		60	19,05	3	605		1.117.433	379.963
DNF 140x40-20-4 -A				4	685		1.507.992	491.693
DNF 140x50-13-2 -A	160	20	12,7	2	465		477.722	148.188
DNF 140x50-13-3 -A				3	565		734.409	214.500
DNF 140x50-16-2 -A		30	15,895	2	485		592.393	201.380
DNF 140x50-16-3 -A				3	585		910.693	291.495
DNF 140x50-20-2 -A		30	19,05	2	505		725.338	262.498
DNF 140x50-20-3 -A				3	605		1.115.071	379.963
DNF 140x60-13-2 -A		40	12,7	2	465		476.461	148.188
DNF 140x60-13-3 -A				3	585		732.470	214.500
DNF 140x60-16-2 -A		40	15,895	2	505		590.849	201.380
DNF 140x60-16-3 -A				3	625		908.321	291.495
DNF 140x60-20-2 -A		40	19,05	2	545		723.473	262.498
DNF 140x60-20-3 -A				3	665		1.112.205	379.963
DNF 160x40-13-3 -A	180	40	12,7	3	405		845.301	226.579
DNF 160x40-13-4 -A				4	485		1.140.746	293.205
DNF 160x40-16-3 -A		40	15,895	3	425		1.049.223	308.730
DNF 160x40-16-4 -A				4	505		1.415.942	399.513
DNF 160x40-20-3 -A		40	19,05	3	445		1.265.855	399.430
DNF 160x40-20-4 -A				4	525		1.708.290	516.885
DNF 160x60-13-2 -A		60	12,7	2	405		547.811	156.532
DNF 160x60-13-3 -A				3	525		842.157	226.579
DNF 160x60-16-2 -A		60	15,895	2	425		679.996	213.286
DNF 160x60-16-3 -A				3	545		1.045.367	308.730
DNF 160x60-20-2 -A		60	19,05	2	445		820.431	275.947
DNF 160x60-20-3 -A				3	565		1.261.259	399.430
DNF 180x40-13-3 -A	180	40	12,7	3	405		954.536	237.560
DNF 180x40-13-4 -A				4	485		1.288.161	307.416
DNF 180x40-16-3 -A		40	15,895	3	425		1.185.736	324.310
DNF 180x40-16-4 -A				4	505		1.600.168	419.675
DNF 180x40-20-3 -A		40	19,05	3	445		1.414.001	417.033
DNF 180x40-20-4 -A				4	525		1.908.215	539.664
DNF 180x40-22-3 -A		40	22,225	3	445		1.657.565	518.227
DNF 180x40-22-4 -A				4	525		2.236.908	670.614
DNF 180x60-13-2 -A		60	12,7	2	405		619.073	164.119
DNF 180x60-13-3 -A				3	525		951.709	237.560
DNF 180x60-16-2 -A		60	15,895	2	425		769.044	224.050
DNF 180x60-16-3 -A				3	545		1.182.261	324.310
DNF 180x60-20-2 -A		60	19,05	2	445		917.120	288.108
DNF 180x60-20-3 -A				3	565		1.409.901	417.033
DNF 180x60-22-2 -A		60	22,225	2	455		1.075.129	358.017
DNF 180x60-22-3 -A				3	575		1.652.810	518.227

DNF axial



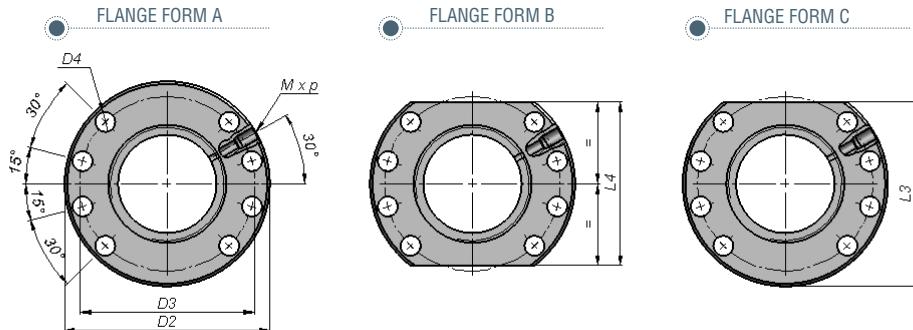
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
200	250	225	17,5	8	M8x1	35	35	232,5	215	DNF 140x20-13-4 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	DNF 140x20-13-6 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	DNF 140x25-13-4 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	DNF 140x25-13-6 -A
210	260	235	22	8	M8x1	35	35	242,5	225	DNF 140x25-16-4 -A
210	260	235	22	8	M8x1	35	35	242,5	225	DNF 140x25-16-6 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	DNF 140x30-13-2 -A
200	250	225	17,5	8	M8x1	35	35	232,5	215	DNF 140x30-13-5 -A
210	260	235	22	8	M8x1	35	35	242,5	225	DNF 140x30-16-2 -A
210	260	235	22	8	M8x1	35	35	242,5	225	DNF 140x30-16-5 -A
220	270	245	22	8	M8x1	35	35	252,5	235	DNF 140x30-20-2 -A
220	270	245	22	8	M8x1	35	35	252,5	235	DNF 140x30-20-5 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 140x40-13-3 -A
210	260	235	22	8	M8x1	40	40	242,5	225	DNF 140x40-16-3 -A
210	260	235	22	8	M8x1	40	40	242,5	225	DNF 140x30-16-4 -A
220	270	245	22	8	M8x1	40	40	252,5	235	DNF 140x40-20-3 -A
220	270	245	22	8	M8x1	40	40	252,5	235	DNF 140x40-20-4 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 140x50-13-2 -A
210	260	235	22	8	M8x1	40	40	242,5	225	DNF 140x40-13-4 -A
210	260	235	22	8	M8x1	40	40	242,5	225	DNF 140x40-16-4 -A
210	260	235	22	8	M8x1	40	40	242,5	225	DNF 140x50-16-2 -A
210	260	235	22	8	M8x1	40	40	242,5	225	DNF 140x50-16-3 -A
220	270	245	22	8	M8x1	40	40	252,5	235	DNF 140x50-20-2 -A
220	270	245	22	8	M8x1	40	40	252,5	235	DNF 140x50-20-3 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 140x50-13-3 -A
210	260	235	22	8	M8x1	40	40	242,5	225	DNF 140x50-16-2 -A
210	260	235	22	8	M8x1	40	40	242,5	225	DNF 140x50-16-3 -A
220	270	245	22	8	M8x1	40	40	252,5	235	DNF 140x50-20-2 -A
220	270	245	22	8	M8x1	40	40	252,5	235	DNF 140x50-20-3 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 140x60-13-2 -A
200	250	225	17,5	8	M8x1	40	40	232,5	215	DNF 140x60-13-3 -A
210	260	235	22	8	M8x1	40	40	242,5	225	DNF 140x60-16-2 -A
210	260	235	22	8	M8x1	40	40	242,5	225	DNF 140x60-16-3 -A
220	270	245	22	8	M8x1	40	40	252,5	235	DNF 140x60-20-2 -A
220	270	245	22	8	M8x1	40	40	252,5	235	DNF 140x60-20-3 -A
220	270	245	22	8	M10x1	40	40	252,5	235	DNF 160x40-13-3 -A
220	270	245	22	8	M10x1	40	40	252,5	235	DNF 160x40-13-4 -A
230	280	255	22	8	M10x1	40	40	262,5	245	DNF 160x40-16-3 -A
230	280	255	22	8	M10x1	40	40	262,5	245	DNF 160x40-16-4 -A
240	290	265	22	8	M10x1	40	40	272,5	255	DNF 160x40-20-3 -A
240	290	265	22	8	M10x1	40	40	272,5	255	DNF 160x40-20-4 -A
220	270	245	22	8	M10x1	40	40	252,5	235	DNF 160x60-13-2 -A
220	270	245	22	8	M10x1	40	40	252,5	235	DNF 160x60-13-3 -A
230	280	255	22	8	M10x1	40	40	262,5	245	DNF 160x60-16-2 -A
230	280	255	22	8	M10x1	40	40	262,5	245	DNF 160x60-16-3 -A
240	290	265	22	8	M10x1	40	40	272,5	255	DNF 160x60-20-2 -A
240	290	265	22	8	M10x1	40	40	272,5	255	DNF 160x60-20-3 -A
240	290	265	22	8	M10x1	40	40	272,5	255	DNF 180x40-13-3 -A
240	290	265	22	8	M10x1	40	40	272,5	255	DNF 180x40-13-4 -A
250	300	275	22	8	M10x1	40	40	282,5	265	DNF 180x40-16-3 -A
250	300	275	22	8	M10x1	40	40	282,5	265	DNF 180x40-16-4 -A
260	310	285	22	8	M10x1	40	40	292,5	275	DNF 180x40-20-3 -A
260	310	285	22	8	M10x1	40	40	292,5	275	DNF 180x40-20-4 -A
270	320	295	22	8	M10x1	40	40	302,5	285	DNF 180x40-22-3 -A
270	320	295	22	8	M10x1	40	40	302,5	285	DNF 180x40-22-4 -A
240	290	265	22	8	M10x1	40	40	272,5	255	DNF 180x60-13-2 -A
240	290	265	22	8	M10x1	40	40	272,5	255	DNF 180x60-13-3 -A
250	300	275	22	8	M10x1	40	40	282,5	265	DNF 180x60-16-2 -A
250	300	275	22	8	M10x1	40	40	282,5	265	DNF 180x60-16-3 -A
260	310	285	22	8	M10x1	40	40	292,5	275	DNF 180x60-20-2 -A
260	310	285	22	8	M10x1	40	40	292,5	275	DNF 180x60-20-3 -A
270	320	295	22	8	M10x1	40	40	302,5	285	DNF 180x60-22-2 -A
270	320	295	22	8	M10x1	40	40	302,5	285	DNF 180x60-22-3 -A

DOUBLE NUT FLANGED AXIAL DEFLECTORS



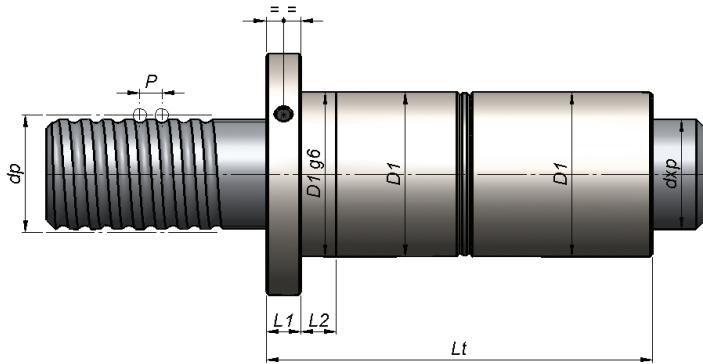
CODE	d	p	Øball	Nc	LT		Coa N	Ca N
					±0,1	N		
DNF 200x40-13-3 -A	200	40	12,7	3	415	1.063.729	247.675	
DNF 200x40-13-4 -A				4	495	1.435.518	320.505	
DNF 200x40-16-3 -A				3	435	1.322.202	338.594	
DNF 200x40-16-4 -A				4	515	1.784.331	438.160	
DNF 200x40-20-3 -A				3	455	1.609.282	441.902	
DNF 200x40-20-4 -A				4	535	2.171.750	571.846	
DNF 200x40-22-3 -A				3	465	1.857.778	544.298	
DNF 200x40-22-4 -A		60	19,05	4	545	2.507.098	704.351	
DNF 200x60-13-2 -A				2	415	690.270	171.106	
DNF 200x60-13-3 -A				3	535	1.061.161	247.675	
DNF 200x60-16-2 -A				2	435	858.017	233.918	
DNF 200x60-16-3 -A				3	555	1.319.041	338.594	
DNF 200x60-20-2 -A				2	445	1.044.336	305.289	
DNF 200x60-20-3 -A				3	565	1.605.472	441.902	
DNF 200x60-22-2 -A		40	22,225	2	455	1.205.623	376.028	
DNF 200x60-22-3 -A				3	575	1.853.421	544.298	
DNF 220x40-13-3 -A	220	40	12,7	3	425	1.172.891	257.083	
DNF 220x40-13-4 -A				4	505	1.582.833	332.680	
DNF 220x40-16-3 -A				3	445	1.458.634	351.834	
DNF 220x40-16-4 -A				4	525	1.968.448	455.292	
DNF 220x40-20-3 -A				3	465	1.757.251	456.465	
DNF 220x40-20-4 -A				4	545	2.371.436	590.691	
DNF 220x40-22-3 -A				3	475	2.058.013	568.248	
DNF 220x40-22-4 -A		60	19,05	4	555	2.777.318	735.344	
DNF 220x60-13-2 -A				2	445	761.419	177.606	
DNF 220x60-13-3 -A				3	565	1.170.539	257.083	
DNF 220x60-16-2 -A				2	465	946.935	243.064	
DNF 220x60-16-3 -A				3	585	1.455.736	351.834	
DNF 220x60-20-2 -A				2	425	1.140.814	315.349	
DNF 220x60-20-3 -A				3	505	1.753.789	456.465	
DNF 220x60-22-2 -A		40	22,225	2	475	1.336.093	392.575	
DNF 220x60-22-3 -A				3	595	2.053.994	568.248	
DNF 240x40-13-3 -A	240	40	12,7	3	465	1.282.028	265.903	
DNF 240x40-13-4 -A				4	545	1.730.115	344.093	
DNF 240x40-16-3 -A				3	475	1.595.040	364.208	
DNF 240x40-16-4 -A				4	555	2.152.529	471.306	
DNF 240x40-20-3 -A				3	465	1.905.084	470.132	
DNF 240x40-20-4 -A				4	545	2.570.939	608.377	
DNF 240x40-22-3 -A				3	485	2.193.742	579.165	
DNF 240x40-22-4 -A		60	19,05	4	565	2.960.486	749.471	
DNF 240x60-13-2 -A				2	455	832.530	183.699	
DNF 240x60-13-3 -A				3	575	1.279.859	265.903	
DNF 240x60-16-2 -A				2	475	1.035.809	251.614	
DNF 240x60-16-3 -A				3	595	1.592.363	364.208	
DNF 240x60-20-2 -A				2	435	1.237.167	324.791	
DNF 240x60-20-3 -A				3	515	1.901.914	470.132	
DNF 240x60-22-2 -A		40	22,225	2	485	1.466.542	407.924	
DNF 240x60-22-3 -A				3	605	2.254.535	590.466	

DNF axial



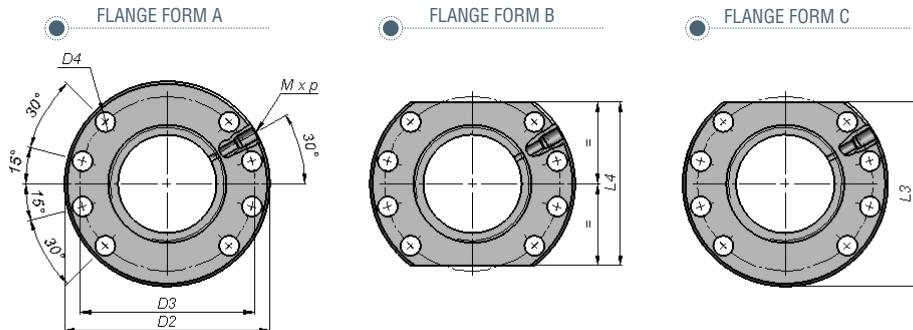
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
260	310	285	22	8	M10x1	40	40	292,5	275	DNF 200x40-13-3 -A
260	310	285	22	8	M10x1	40	40	292,5	275	DNF 200x40-13-4 -A
270	320	295	22	8	M10x1	40	40	302,5	285	DNF 200x40-16-3 -A
270	320	295	22	8	M10x1	40	40	302,5	285	DNF 200x40-16-4 -A
280	330	305	22	8	M10x1	40	40	312,5	295	DNF 200x40-20-3 -A
280	330	305	22	8	M10x1	40	40	312,5	295	DNF 200x40-20-4 -A
290	340	315	22	8	M10x1	40	40	322,5	305	DNF 200x40-22-3 -A
290	340	315	22	8	M10x1	40	40	322,5	305	DNF 200x40-22-4 -A
260	310	285	22	8	M10x1	40	40	292,5	275	DNF 200x60-13-2 -A
260	310	285	22	8	M10x1	40	40	292,5	275	DNF 200x60-13-3 -A
270	320	295	22	8	M10x1	40	40	302,5	285	DNF 200x60-16-2 -A
270	320	295	22	8	M10x1	40	40	302,5	285	DNF 200x60-16-3 -A
280	330	305	22	8	M10x1	40	40	312,5	295	DNF 200x60-20-2 -A
280	330	305	22	8	M10x1	40	40	312,5	295	DNF 200x60-20-3 -A
290	340	315	22	8	M10x1	40	40	322,5	305	DNF 200x60-22-2 -A
290	340	315	22	8	M10x1	40	40	322,5	305	DNF 200x60-22-3 -A
280	330	305	22	8	M10x1	40	40	312,5	295	DNF 220x40-13-3 -A
280	330	305	22	8	M10x1	40	40	312,5	295	DNF 220x40-13-4 -A
290	340	315	22	8	M10x1	40	40	322,5	305	DNF 220x40-16-3 -A
290	340	315	22	8	M10x1	40	40	322,5	305	DNF 220x40-16-4 -A
300	350	325	22	8	M10x1	40	40	332,5	315	DNF 220x40-20-3 -A
300	350	325	22	8	M10x1	40	40	332,5	315	DNF 220x40-20-4 -A
310	360	335	22	8	M10x1	40	40	342,5	325	DNF 220x40-22-3 -A
310	360	335	22	8	M10x1	40	40	342,5	325	DNF 220x40-22-4 -A
280	330	305	22	8	M10x1	40	40	312,5	295	DNF 220x60-13-2 -A
280	330	305	22	8	M10x1	40	40	312,5	295	DNF 220x60-13-3 -A
290	340	315	22	8	M10x1	40	40	322,5	305	DNF 220x60-16-2 -A
290	340	315	22	8	M10x1	40	40	322,5	305	DNF 220x60-16-3 -A
300	350	325	22	8	M10x1	40	40	332,5	315	DNF 220x60-20-2 -A
300	350	325	22	8	M10x1	40	40	332,5	315	DNF 220x60-20-3 -A
310	360	335	22	8	M10x1	40	40	342,5	325	DNF 220x60-22-2 -A
310	360	335	22	8	M10x1	40	40	342,5	325	DNF 220x60-22-3 -A
300	350	325	22	8	M10x1	40	40	332,5	315	DNF 240x40-13-3 -A
300	350	325	22	8	M10x1	40	40	332,5	315	DNF 240x40-13-4 -A
310	360	335	22	8	M10x1	40	40	342,5	325	DNF 240x40-16-3 -A
310	360	335	22	8	M10x1	40	40	342,5	325	DNF 240x40-16-4 -A
320	370	345	22	8	M10x1	40	40	352,5	335	DNF 240x40-20-3 -A
320	370	345	22	8	M10x1	40	40	352,5	335	DNF 240x40-20-4 -A
330	380	355	22	8	M10x1	40	40	362,5	345	DNF 240x40-22-3 -A
330	380	355	22	8	M10x1	40	40	362,5	345	DNF 240x40-22-4 -A
300	350	325	22	8	M10x1	40	40	332,5	315	DNF 240x60-13-2 -A
300	350	325	22	8	M10x1	40	40	332,5	315	DNF 240x60-13-3 -A
310	360	335	22	8	M10x1	40	40	342,5	325	DNF 240x60-16-2 -A
310	360	335	22	8	M10x1	40	40	342,5	325	DNF 240x60-16-3 -A
320	370	345	22	8	M10x1	40	40	352,5	335	DNF 240x60-20-2 -A
320	370	345	22	8	M10x1	40	40	352,5	335	DNF 240x60-20-3 -A
330	380	355	22	8	M10x1	40	40	362,5	345	DNF 240x60-22-2 -A
330	380	355	22	8	M10x1	40	40	362,5	345	DNF 240x60-22-3 -A
300	350	325	22	8	M10x1	40	40	332,5	315	DNF 240x60-13-2 -A
310	360	335	22	8	M10x1	40	40	342,5	325	DNF 240x60-16-2 -A
320	370	345	22	8	M10x1	40	40	352,5	335	DNF 240x60-20-2 -A
320	370	345	22	8	M10x1	40	40	352,5	335	DNF 240x60-20-3 -A
330	380	355	22	8	M10x1	40	40	362,5	345	DNF 240x60-22-2 -A
330	380	355	22	8	M10x1	40	40	362,5	345	DNF 240x60-22-3 -A

DOUBLE NUT FLANGED AXIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT		Coa N	Ca N
					±0,1			
DNF 260x40-13-3 -A	260	40	12,7	3	435		1.391.145	274.223
DNF 260x40-13-4 -A				4	515		1.877.371	354.860
DNF 260x40-16-3 -A				3	455		1.731.424	375.854
DNF 260x40-16-4 -A				4	535		2.336.581	486.376
DNF 260x40-20-3 -A				3	475		2.052.814	483.045
DNF 260x40-20-4 -A				4	555		2.770.302	625.087
DNF 260x40-22-3 -A				3	485		2.393.827	600.468
DNF 260x40-22-4 -A		60	19,05	4	565		3.230.504	777.039
DNF 260x60-13-2 -A				2	465		903.611	189.447
DNF 260x60-13-3 -A				3	585		1.389.134	274.223
DNF 260x60-16-2 -A				2	485		1.124.649	259.659
DNF 260x60-16-3 -A				3	605		1.728.938	375.854
DNF 260x60-20-2 -A				2	445		1.333.423	333.712
DNF 260x60-20-3 -A				3	525		2.049.889	483.045
DNF 260x60-22-2 -A		40	22,225	2	495		1.554.948	414.834
DNF 260x60-22-3 -A				3	615		2.390.442	600.468
DNF 280x40-13-3 -A	280	40	12,7	3	465		1.500.248	282.112
DNF 280x40-13-4 -A				4	545		2.024.606	365.068
DNF 280x40-16-3 -A				3	485		1.867.791	386.875
DNF 280x40-16-4 -A				4	565		2.520.611	500.637
DNF 280x40-20-3 -A				3	505		2.248.297	502.466
DNF 280x40-20-4 -A				4	585		3.034.110	650.219
DNF 280x40-22-3 -A				3	515		2.593.946	620.488
DNF 280x40-22-4 -A		60	19,05	4	595		3.500.567	802.946
DNF 280x60-13-2 -A				2	485		974.669	194.897
DNF 280x60-13-3 -A				3	605		1.498.372	282.112
DNF 280x60-16-2 -A				2	505		1.213.462	267.273
DNF 280x60-16-3 -A				3	625		1.865.471	386.875
DNF 280x60-20-2 -A				2	465		1.460.681	347.129
DNF 280x60-20-3 -A				3	545		2.245.525	502.466
DNF 280x60-22-2 -A		40	22,225	2	515		1.685.258	428.665
DNF 280x60-22-3 -A				3	635		2.590.769	620.488
DNF 300x40-13-3 -A	300	40	12,7	3	505		1.609.338	289.624
DNF 300x40-13-4 -A				4	585		2.171.825	374.789
DNF 300x40-16-3 -A				3	515		2.004.144	397.352
DNF 300x40-16-4 -A				4	595		2.704.621	514.195
DNF 300x40-20-3 -A				3	505		2.395.963	513.895
DNF 300x40-20-4 -A				4	585		3.233.387	665.008
DNF 300x40-22-3 -A				3	525		2.794.090	639.407
DNF 300x40-22-4 -A		60	19,05	4	605		3.770.665	827.427
DNF 300x60-13-2 -A				2	495		1.045.708	200.087
DNF 300x60-13-3 -A				3	615		1.607.581	289.624
DNF 300x60-16-2 -A				2	515		1.302.252	274.511
DNF 300x60-16-3 -A				3	655		2.001.970	397.352
DNF 300x60-20-2 -A				2	475		1.556.859	355.025
DNF 300x60-20-3 -A				3	555		2.393.381	513.895
DNF 300x60-22-2 -A		40	22,225	2	525		1.815.569	441.735
DNF 300x60-22-3 -A				3	645		2.791.098	639.407

DNF axial



D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
320	370	345	22	8	M10x1	40	40	352,5	335	DNF 260x40-13-3 -A
320	370	345	22	8	M10x1	40	40	352,5	335	DNF 260x40-13-4 -A
330	380	355	22	8	M10x1	40	40	362,5	345	DNF 260x40-16-3 -A
330	380	355	22	8	M10x1	40	40	362,5	345	DNF 260x40-16-4 -A
340	390	365	22	8	M10x1	40	40	372,5	355	DNF 260x40-20-3 -A
340	390	365	22	8	M10x1	40	40	372,5	355	DNF 260x40-20-4 -A
350	400	375	22	8	M10x1	40	40	382,5	365	DNF 260x40-22-3 -A
350	400	375	22	8	M10x1	40	40	382,5	365	DNF 260x40-22-4 -A
320	370	345	22	8	M10x1	40	40	352,5	335	DNF 260x60-13-2 -A
320	370	345	22	8	M10x1	40	40	352,5	335	DNF 260x60-13-3 -A
330	380	355	22	8	M10x1	40	40	362,5	345	DNF 260x60-16-2 -A
330	380	355	22	8	M10x1	40	40	362,5	345	DNF 260x60-16-3 -A
340	390	365	22	8	M10x1	40	40	372,5	355	DNF 260x60-20-2 -A
340	390	365	22	8	M10x1	40	40	372,5	355	DNF 260x60-20-3 -A
350	400	375	22	8	M10x1	40	40	382,5	365	DNF 260x60-22-2 -A
350	400	375	22	8	M10x1	40	40	382,5	365	DNF 260x60-22-3 -A
340	390	365	22	8	M10x1	40	40	372,5	355	DNF 280x40-13-3 -A
340	390	365	22	8	M10x1	40	40	372,5	355	DNF 280x40-13-4 -A
350	400	375	22	8	M10x1	40	40	382,5	365	DNF 280x40-16-3 -A
350	400	375	22	8	M10x1	40	40	382,5	365	DNF 280x40-16-4 -A
360	410	385	22	8	M10x1	40	40	392,5	375	DNF 280x40-20-3 -A
360	410	385	22	8	M10x1	40	40	392,5	375	DNF 280x40-20-4 -A
370	420	395	22	8	M10x1	40	40	402,5	385	DNF 280x40-22-3 -A
370	420	395	22	8	M10x1	40	40	402,5	385	DNF 280x40-22-4 -A
340	390	365	22	8	M10x1	40	40	372,5	355	DNF 280x60-13-2 -A
340	390	365	22	8	M10x1	40	40	372,5	355	DNF 280x60-13-3 -A
350	400	375	22	8	M10x1	40	40	382,5	365	DNF 280x60-16-2 -A
350	400	375	22	8	M10x1	40	40	382,5	365	DNF 280x60-16-3 -A
360	410	385	22	8	M10x1	40	40	392,5	375	DNF 280x60-20-2 -A
360	410	385	22	8	M10x1	40	40	392,5	375	DNF 280x60-20-3 -A
370	420	395	22	8	M10x1	40	40	402,5	385	DNF 280x60-22-2 -A
370	420	395	22	8	M10x1	40	40	402,5	385	DNF 280x60-22-3 -A
360	410	385	22	8	M10x1	40	40	392,5	375	DNF 300x40-13-3 -A
360	410	385	22	8	M10x1	40	40	392,5	375	DNF 300x40-13-4 -A
370	420	395	22	8	M10x1	40	40	402,5	385	DNF 300x40-16-3 -A
370	420	395	22	8	M10x1	40	40	402,5	385	DNF 300x40-16-4 -A
380	430	405	22	8	M10x1	40	40	412,5	395	DNF 300x40-20-3 -A
380	430	405	22	8	M10x1	40	40	412,5	395	DNF 300x40-20-4 -A
390	440	415	22	8	M10x1	40	40	422,5	405	DNF 300x40-22-3 -A
390	440	415	22	8	M10x1	40	40	422,5	405	DNF 300x40-22-4 -A
360	410	385	22	8	M10x1	40	40	392,5	375	DNF 300x60-13-2 -A
360	410	385	22	8	M10x1	40	40	392,5	375	DNF 300x60-13-3 -A
370	420	395	22	8	M10x1	40	40	402,5	385	DNF 300x60-16-2 -A
370	420	395	22	8	M10x1	40	40	402,5	385	DNF 300x60-16-3 -A
380	430	405	22	8	M10x1	40	40	412,5	395	DNF 300x60-20-2 -A
380	430	405	22	8	M10x1	40	40	412,5	395	DNF 300x60-20-3 -A
390	440	415	22	8	M10x1	40	40	422,5	405	DNF 300x60-22-2 -A
390	440	415	22	8	M10x1	40	40	422,5	405	DNF 300x60-22-3 -A

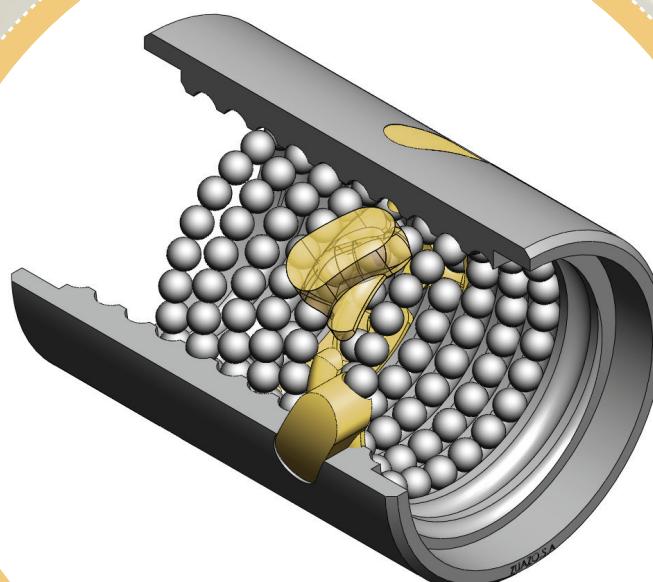


SINGLE NUT CYLINDRICAL



RADIAL DEFLECTORS

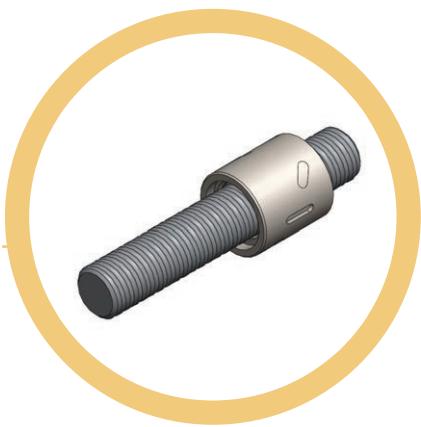
SNC radial





FEATURES

BSG single nut cylindrical with radial recirculation series: solutions for universal applications and balls with 4 contact points, where the requirement is **compact rigidity**.



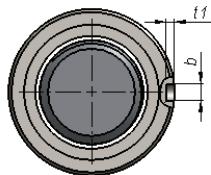
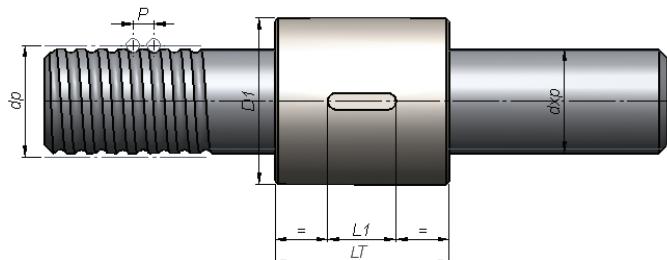
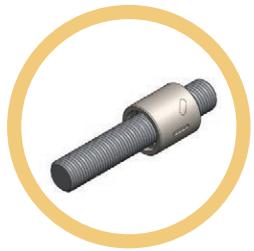
RANGE OF PRODUCTION

		Lead																																		
		5	6	8	10	12	15	16	20	25	30	40	50	60																						
nc		2	4	5	2	4	5	2	3	4	5	6	3	5	6	3	5	6	3	4	5	6	2	3	4	5	6	3	4	5	6	2	3	2	3	
Diameter	20	R	R	R	R	R	R																													
	25	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R				
	32	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R				
	40	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			
	50	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			
	63	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			
	80	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			
	100				R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R			
	120							R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
	125							R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
	140									R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
	160									R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
	180									R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
	200									R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	220									R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	240									R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	260									R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	280									R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	300									R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R



SINGLE NUT CYLINDRICAL (RADIAL DEFLECTORS)

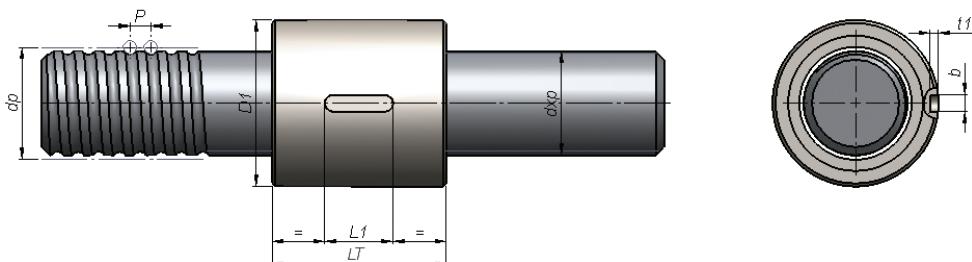
SINGLE NUT CYLINDRICAL RADIAL DEFLECTORS



CODE	d	p	$\varnothing_{\text{ball}}$	Nc	LT	Coa	Ca	D1g6	L1	b	t1
					$\pm 0,1$	N	N				
SNC 020x05-04-2 -R	20	5	3,969	2	36	17.158	11.258	36	16	5	3
SNC 020x05-04-5 -R				5	52	42.896	24.758	36	16	5	3
SNC 020x06-04-2 -R		6		2	38	17.137	11.258	36	16	5	3
SNC 020x06-04-5 -R				5	57	42.843	24.758	36	16	5	3
SNC 025x05-04-2 -R	25	5	3,969	2	36	22.781	13.033	40	16	5	3
SNC 025x05-04-5 -R				5	52	56.952	28.659	40	16	5	3
SNC 025x06-04-2 -R		6		2	40	22.763	13.033	40	16	5	3
SNC 025x06-04-5 -R				5	60	56.907	28.659	40	16	5	3
SNC 025x08-05-2 -R		8	4,762	2	50	25.341	15.877	40	20	5	3
SNC 025x08-05-5 -R				5	80	63.353	34.914	40	20	5	3
SNC 025x10-05-3 -R				3	70	37.915	22.502	40	20	5	3
SNC 025x10-05-6 -R				6	102	75.830	40.841	40	20	5	3
SNC 032x05-04-2 -R	32	5	3,969	2	36	31.227	15.195	50	20	5	3
SNC 032x05-04-5 -R				5	52	78.068	33.414	50	20	5	3
SNC 032x06-04-2 -R				2	40	31.212	15.195	50	20	5	3
SNC 032x06-04-5 -R				5	60	78.029	33.414	50	20	5	3
SNC 032x08-06-2 -R		8	6,35	2	50	43.182	25.928	50	20	5	3
SNC 032x08-06-5 -R				5	80	107.954	57.015	50	20	5	3
SNC 032x10-06-3 -R				3	74	64.671	36.745	50	20	5	3
SNC 032x10-06-6 -R				6	105	129.343	66.694	50	20	5	3
SNC 032x12-06-3 -R	40	10	6,35	3	87	64.549	36.745	50	20	5	3
SNC 032x12-06-6 -R				6	124	129.098	66.694	50	20	5	3
SNC 040x05-04-2 -R				2	36	39.739	16.851	63	20	5	3
SNC 040x05-04-5 -R		5	3,969	5	52	99.347	37.055	63	20	5	3
SNC 040x06-04-2 -R				2	40	39.726	16.851	63	20	5	3
SNC 040x06-04-5 -R		6		5	60	99.315	37.055	63	20	5	3
SNC 040x08-06-3 -R	40	8	6,35	3	60	85.996	42.498	63	20	5	3
SNC 040x08-06-6 -R				6	85	171.992	77.135	63	20	5	3
SNC 040x10-06-3 -R				3	70	85.908	42.498	63	20	5	3
SNC 040x10-06-6 -R		10	6,35	6	105	171.816	77.135	63	20	5	3
SNC 040x12-06-3 -R				3	87	85.801	42.498	63	20	5	3
SNC 040x12-06-6 -R				6	124	171.601	77.135	75	20	5	3
SNC 040x16-08-3 -R	40	16	7,938	3	115	97.826	54.287	75	20	5	3
SNC 040x16-08-6 -R				6	165	195.652	98.533	75	20	5	3
SNC 040x20-08-3 -R		20		3	135	105.560	57.263	75	20	5	3
SNC 040x20-08-6 -R				6	193	211.121	103.934	75	20	5	3

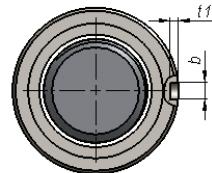
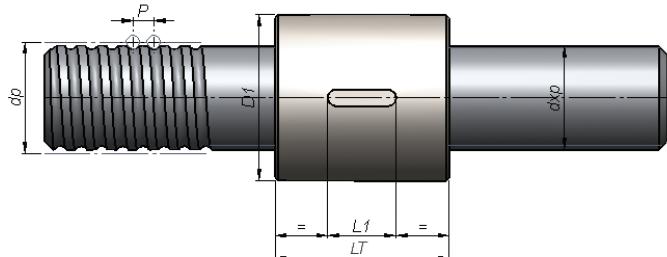
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

SNC radial



CODE	d	p	Øball	Nc	LT	Coa	Ca	D1g6	L1	b	t1	
					±0,1	N	N					
SNC 050x05-04-2 -R	50	5	3,969	2	40	51.074	18.741	75	20	6	3,5	
SNC 050x05-04-5 -R				5	50	127.684	41.211	75	20	6	3,5	
SNC 050x06-04-2 -R		6		2	40	51.063	18.741	75	20	6	3,5	
SNC 050x06-04-5 -R				5	60	127.657	41.211	75	20	6	3,5	
SNC 050x08-06-2 -R		8	6,35	2	50	75.085	34.094	75	20	6	3,5	
SNC 050x08-06-5 -R				5	80	187.713	74.973	75	20	6	3,5	
SNC 050x10-06-3 -R				3	75	112.553	48.319	75	20	6	3,5	
SNC 050x10-06-6 -R				6	105	225.105	87.700	75	20	6	3,5	
SNC 050x12-08-3 -R		12	7,938	3	85	132.895	63.592	75	20	6	3,5	
SNC 050x12-08-6 -R				6	125	265.790	115.422	75	20	6	3,5	
SNC 050x16-10-3 -R		16	9,525	3	119	155.307	79.909	85	20	6	3,5	
SNC 050x16-10-6 -R				6	160	310.615	145.037	85	20	6	3,5	
SNC 050x20-10-3 -R		20	9,525	3	135	154.911	79.909	85	32	6	3,5	
SNC 050x20-10-6 -R				6	195	309.821	145.037	85	32	6	3,5	
SNC 063x05-04-2 -R	63	5	3,969	2	40	65.267	20.666	90	32	6	3,5	
SNC 063x05-04-5 -R				5	55	163.168	45.444	90	32	6	3,5	
SNC 063x08-06-2 -R		8		2	50	99.947	38.884	90	32	6	3,5	
SNC 063x08-06-5 -R				5	80	249.867	85.508	90	32	6	3,5	
SNC 063x10-06-3 -R		10	6,35	3	74	149.856	55.108	90	32	6	3,5	
SNC 063x10-06-6 -R				6	105	299.711	100.023	90	32	6	3,5	
SNC 063x12-06-3 -R		12	9,525	3	85	149.777	55.108	90	32	8	4	
SNC 063x12-06-6 -R				6	124	299.554	100.023	90	32	8	4	
SNC 063x15-10-3 -R		15	9,525	3	105	206.382	92.064	95	32	8	4	
SNC 063x15-10-6 -R				6	152	412.765	167.100	95	32	8	4	
SNC 063x16-10-3 -R		16	12,7	3	119	206.309	92.064	95	32	8	4	
SNC 063x16-10-6 -R				6	168	412.617	167.100	95	32	8	4	
SNC 063x20-10-3 -R		20	12,7	3	134	205.967	92.064	95	40	8	4	
SNC 063x20-10-6 -R				6	206	411.934	167.100	95	40	8	4	
SNC 063x20-13-3 -R				3	140	254.155	128.229	105	40	8	4	
SNC 063x20-13-6 -R				6	200	508.309	232.741	105	40	8	4	

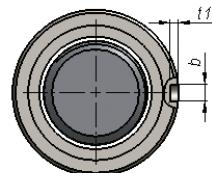
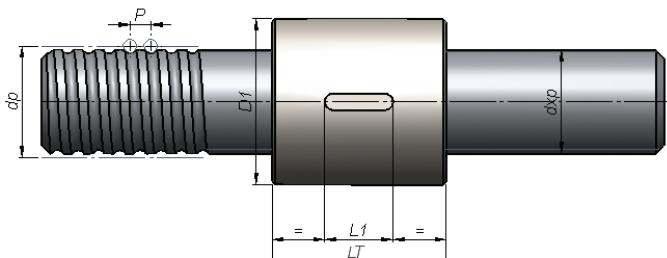
SINGLE NUT CYLINDRICAL RADIAL DEFLECTORS



CODE	d	P	Øball	Nc	LT	Coa	Ca	D1g6	L1	b	t1
					±0,1	N	N		+2	P9	+0,1
SNC 080x10-06-3 -R	80	10	6,35	3	75	192.741	61.045	105	40	8	4
SNC 080x10-06-6 -R				6	105	385.482	110.799	105	40	8	4
SNC 080x12-06-3 -R				3	87	192.678	61.045	105	40	8	4
SNC 080x12-06-6 -R				6	124	385.355	110.799	105	40	8	4
SNC 080x15-06-3 -R				3	98	192.561	61.045	105	40	8	4
SNC 080x15-06-6 -R				6	145	385.121	110.799	105	40	8	4
SNC 080x16-10-3 -R		16	9,525	3	119	282.651	107.233	125	40	8	4
SNC 080x16-10-6 -R				6	168	565.301	194.632	125	40	8	4
SNC 080x20-10-3 -R				3	134	282.354	107.233	125	64	8	4
SNC 080x20-10-6 -R				6	206	564.707	194.632	125	64	8	4
SNC 080x20-13-3 -R				3	130	344.683	149.889	125	64	8	4
SNC 080x20-13-6 -R				6	190	689.367	272.054	125	64	8	4
SNC 080x25-10-3 -R		20	12,7	3	160	281.891	107.233	125	64	8	4
SNC 080x25-10-6 -R				6	240	563.783	194.632	125	64	8	4
SNC 080x25-13-3 -R				3	164	344.132	149.889	125	64	8	4
SNC 080x25-13-6 -R				6	253	688.265	272.054	125	64	8	4
SNC 080x25-16-3 -R				3	184	430.448	201.650	125	64	8	4
SNC 080x25-16-6 -R				6	261	860.897	366.002	125	64	8	4
SNC 100x10-06-3 -R	100	10	6,35	3	75	246.282	67.454	125	64	10	5
SNC 100x10-06-6 -R				6	105	492.564	122.432	125	64	10	5
SNC 100x12-06-3 -R				3	87	246.230	67.454	125	64	10	5
SNC 100x12-06-6 -R				6	124	492.459	122.432	125	64	10	5
SNC 100x16-10-3 -R				3	119	372.059	121.460	135	64	10	5
SNC 100x16-10-6 -R				6	168	744.118	220.455	135	64	10	5
SNC 100x20-10-3 -R		20	9,525	3	134	371.805	121.460	135	64	10	5
SNC 100x20-10-6 -R				6	206	743.609	220.455	135	100	10	5
SNC 100x20-13-3 -R				3	150	458.016	171.983	150	100	10	5
SNC 100x20-13-6 -R				6	211	916.032	312.155	150	100	10	5
SNC 100x25-10-3 -R				3	159	371.408	121.460	150	100	10	5
SNC 100x25-10-6 -R				6	236	742.816	220.455	150	100	10	5
SNC 100x25-13-3 -R		25	12,7	3	164	457.537	171.983	150	100	10	5
SNC 100x25-13-6 -R				6	253	915.074	312.155	150	100	10	5
SNC 100x25-16-3 -R				3	184	571.828	233.116	150	100	10	5
SNC 100x25-16-6 -R				6	261	1.143.656	423.115	150	100	10	5

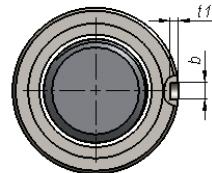
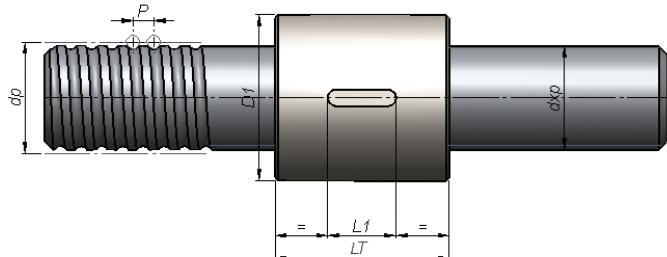
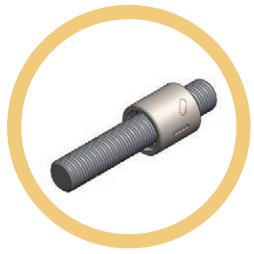
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

SNC radial



CODE	d	P	Øball	Nc	LT	Coa	Ca	D1g6	L1	b	t1
					±0,1	N	N	+2	P9	+0,1	
SNC 120x10-06-3 -R	120	10	6,35	3	74	299.850	72.935	150	100	10	5
SNC 120x10-06-6 -R				6	105	599.699	132.380	150	100	10	5
SNC 120x12-06-3 -R				3	87	299.805	72.935	150	100	10	5
SNC 120x12-06-6 -R		12	9,525	6	124	599.610	132.380	150	100	10	5
SNC 120x16-10-3 -R				3	119	449.162	130.943	170	100	10	5
SNC 120x16-10-6 -R		16	9,525	6	168	898.324	237.666	170	100	10	5
SNC 120x20-10-3 -R				3	134	448.946	130.943	170	100	10	5
SNC 120x20-10-6 -R				6	206	897.892	237.666	170	100	10	5
SNC 120x20-13-3 -R		20	12,7	3	150	571.681	190.295	170	100	10	5
SNC 120x20-13-6 -R				6	211	1.143.362	345.392	170	100	10	5
SNC 120x25-10-3 -R		25	9,525	3	159	448.610	130.943	170	100	10	5
SNC 120x25-10-6 -R				6	236	897.219	237.666	170	100	10	5
SNC 120x25-13-3 -R			12,7	3	164	571.259	190.295	170	100	10	5
SNC 120x25-13-6 -R				6	253	1.142.519	345.392	170	100	10	5
SNC 120x25-16-3 -R			15,875	3	184	713.695	259.099	170	100	10	5
SNC 120x25-16-6 -R				6	261	1.427.389	470.275	170	100	10	5
SNC 125x10-06-3 -R	125	10	6,35	3	74	310.612	73.780	150	100	10	5
SNC 125x10-06-6 -R				6	105	621.224	133.914	150	100	10	5
SNC 125x12-06-3 -R				3	87	310.569	73.780	150	100	10	5
SNC 125x12-06-6 -R		12	9,525	6	124	621.138	133.914	150	100	10	5
SNC 125x16-10-3 -R				3	119	474.682	134.302	170	100	10	5
SNC 125x16-10-6 -R		16	9,525	6	168	949.363	243.764	170	100	10	5
SNC 125x20-10-3 -R				3	134	474.471	134.302	170	100	10	5
SNC 125x20-10-6 -R				6	206	948.942	243.764	170	100	10	5
SNC 125x20-13-3 -R		20	12,7	3	150	594.624	193.249	170	100	10	5
SNC 125x20-13-6 -R				6	211	1.189.248	350.755	170	100	10	5
SNC 125x25-10-3 -R		25	9,525	3	159	474.143	134.302	170	100	10	5
SNC 125x25-10-6 -R				6	236	948.285	243.764	170	100	10	5
SNC 125x25-13-3 -R			12,7	3	164	594.219	193.249	170	100	10	5
SNC 125x25-13-6 -R				6	253	1.188.437	350.755	170	100	10	5
SNC 125x25-16-3 -R			15,875	3	184	749.209	264.966	180	100	10	5
SNC 125x25-16-6 -R				6	261	1.498.418	480.923	180	100	10	5
SNC 125x25-20-3 -R			19,05	3	186	875.337	333.982	190	100	10	5
SNC 125x25-20-6 -R				6	264	1.750.674	606.191	190	100	10	5

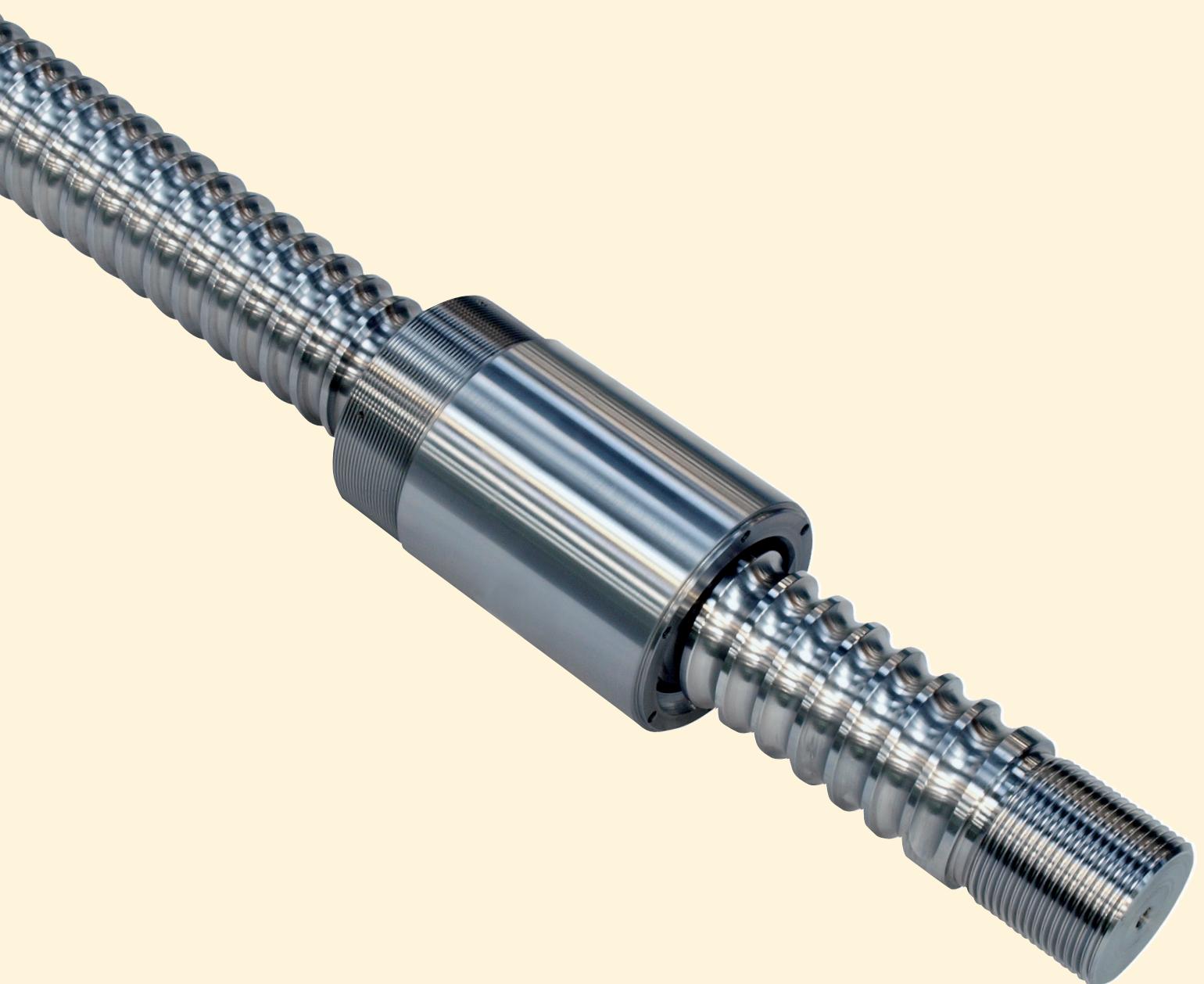
SINGLE NUT CYLINDRICAL RADIAL DEFLECTORS



CODE	d	P	Øball	Nc	LT	Coa	Ca	D1g6	L1	b	t1	
					±0,1	N	N		+2	P9	+0,1	
SNC 140x20-13-6 -R	140	20	12,7	6	211	1.371.064	374.008	190	100	10	5	
SNC 140x25-13-6 -R		25		6	253	1.370.313	374.008	190	100	10	5	
SNC 140x25-16-6 -R		25		15,875	6	261	1.711.664	510.700	190	100	10	5
SNC 140x25-20-6 -R		25		19,05	6	264	2.055.160	657.158	200	100	10	5
SNC 160x20-13-6 -R	160	20	12,7	6	211	1.598.995	399.304	210	100	10	5	
SNC 160x25-13-6 -R		25		6	253	1.598.320	399.304	210	100	10	5	
SNC 160x25-16-6 -R		25		15,875	6	261	1.996.270	546.291	210	100	10	5
SNC 160x25-20-6 -R		25		19,05	6	264	2.363.864	698.119	220	100	10	5
SNC 180x20-13-6 -R	180	20	12,7	6	211	1.827.078	422.096	230	100	10	5	
SNC 180x25-13-6 -R		25		6	253	1.826.464	422.096	230	100	10	5	
SNC 180x25-16-6 -R		25		15,875	6	261	2.281.093	578.248	230	100	10	5
SNC 180x25-20-6 -R		25		19,05	6	264	2.672.551	734.946	240	100	10	5
SNC 200x20-13-6 -R	200	20	12,7	6	211	2.055.265	442.925	250	100	10	5	
SNC 200x25-13-6 -R		25		6	253	2.054.703	442.925	250	100	10	5	
SNC 200x25-16-6 -R		25		15,875	6	261	2.566.067	607.371	250	100	10	5
SNC 200x25-20-6 -R		25		19,05	6	264	3.080.599	785.546	260	100	10	5
SNC 220x20-13-6 -R	220	20	12,7	6	211	2.283.527	462.171	270	100	10	5	
SNC 220x25-13-6 -R		25		6	253	2.283.010	462.171	270	100	10	5	
SNC 220x25-16-6 -R		25		15,875	6	261	2.851.148	634.217	270	100	10	5
SNC 220x25-20-6 -R		25		19,05	6	264	3.389.582	815.673	280	100	10	5
SNC 240x20-13-6 -R	240	20	12,7	6	211	2.511.846	480.107	290	100	10	5	
SNC 240x25-13-6 -R		25		6	253	2.511.366	480.107	290	100	10	5	
SNC 240x25-16-6 -R		25		15,875	6	261	3.136.309	659.190	290	100	10	5
SNC 240x25-20-6 -R		25		19,05	6	264	3.698.503	843.797	300	100	10	5
SNC 260x20-13-6 -R	260	20	12,7	6	211	2.740.208	496.942	310	100	10	5	
SNC 260x25-13-6 -R		25		6	253	2.739.760	496.942	310	100	10	5	
SNC 260x25-16-6 -R		25		15,875	6	261	3.421.531	682.592	310	100	10	5
SNC 260x25-20-6 -R		25		19,05	6	264	4.007.376	870.240	320	100	10	5
SNC 280x20-13-6 -R	280	20	12,7	6	211	2.968.603	512.832	330	100	10	5	
SNC 280x25-13-6 -R		25		6	253	2.968.184	512.832	330	100	10	5	
SNC 280x25-16-6 -R		25		15,875	6	261	3.706.800	704.653	330	100	10	5
SNC 280x25-20-6 -R		25		19,05	6	264	4.416.587	909.076	340	100	10	5
SNC 300x20-13-6 -R	300	20	12,7	6	211	3.197.026	527.905	350	100	10	5	
SNC 300x25-13-6 -R		25		6	253	3.196.632	527.905	350	100	10	5	
SNC 300x25-16-6 -R		25		15,875	6	261	3.992.108	725.556	350	100	10	5
SNC 300x25-20-6 -R		25		19,05	6	264	4.725.558	932.287	360	100	10	5

Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

SNC radial

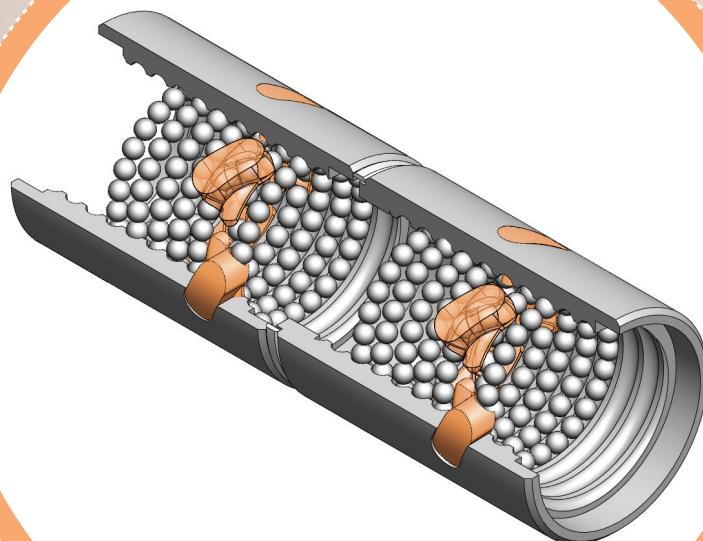




DOUBLE NUT CYLINDRICAL

RADIAL DEFLECTORS

DNC radial





FEATURES

BSG double nut cylindrical with radial recirculation series: solutions for universal applications and balls with 2 contact points, where the requirement is **compact rigidity with easy-low maintenance.**



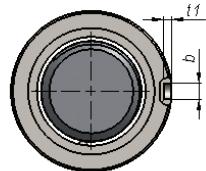
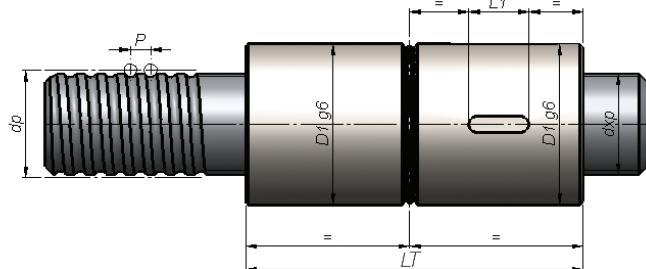
● RANGE OF PRODUCTION

		Lead																	
		5	6	8	10	12	15	16	20	25	30	40	50	60					
nc		2	4	5	2	4	5	2	3	4	5	6	3	5	6	3	5	6	3
Diameter		20	R	R	R	R	R	R											
		25	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
		32	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
		40	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
		50	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
		63	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
		80	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
		100			R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
		120				R	R	R	R	R	R	R	R	R	R	R	R	R	R
		125					R	R	R	R	R	R	R	R	R	R	R	R	R
		140						R	R	R	R	R	R	R	R	R	R	R	R
		160							R	R	R	R	R	R	R	R	R	R	R
		180								R	R	R	R	R	R	R	R	R	R
		200									R	R	R	R	R	R	R	R	R
		220										R	R	R	R	R	R	R	R
		240										R	R	R	R	R	R	R	R
		260										R	R	R	R	R	R	R	R
		280										R	R	R	R	R	R	R	R
		300										R	R	R	R	R	R	R	R



DOUBLE NUT CYLINDRICAL (RADIAL DEFLECTORS)

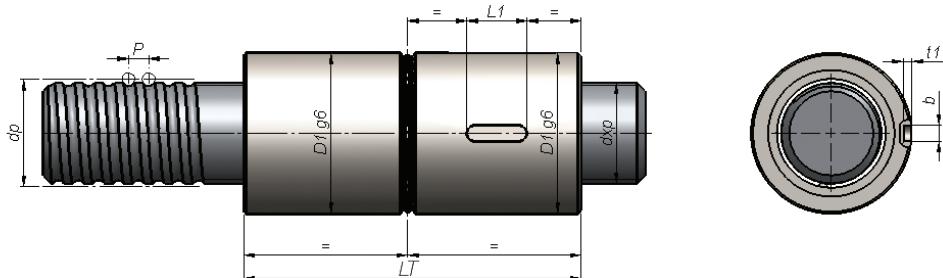
DOUBLE NUT CYLINDRICAL RADIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT	Coa	Ca	D1g6	L1	b	t1
					±0,1	N	N				
DNC 020x05-04-2 -R	20	5	3,969	2	75	17.158	11.258	36	16	5	3
DNC 020x05-04-5 -R				5	105	42.896	24.758	36	16	5	3
DNC 020x06-04-2 -R		6		2	80	17.137	11.258	36	16	5	3
DNC 020x06-04-5 -R		5		117	42.843	24.758	36	16	5	3	
DNC 025x05-04-2 -R	25	5	3,969	2	75	22.781	13.033	40	16	5	3
DNC 025x05-04-5 -R		5		5	105	56.952	28.659	40	16	5	3
DNC 025x06-04-2 -R		6	3,969	2	80	22.763	13.033	40	16	5	3
DNC 025x06-04-5 -R		5		117	56.907	28.659	40	16	5	3	
DNC 025x08-05-2 -R	25	8	4,762	2	92	25.341	15.877	40	20	5	3
DNC 025x08-05-5 -R		5		5	150	63.353	34.914	40	20	5	3
DNC 025x10-05-3 -R		10		3	130	37.915	22.502	40	20	5	3
DNC 025x10-05-6 -R		6		6	190	75.830	40.841	40	20	5	3
DNC 032x05-04-2 -R	32	5	3,969	2	65	31.227	15.195	50	20	5	3
DNC 032x05-04-5 -R		5		5	105	78.068	33.414	50	20	5	3
DNC 032x06-04-2 -R		6		2	81	31.212	15.195	50	20	5	3
DNC 032x06-04-5 -R		5		120	78.029	33.414	50	20	5	3	
DNC 032x08-06-2 -R	32	8	6,35	2	106	43.182	25.928	50	20	5	3
DNC 032x08-06-5 -R		5		5	157	107.954	57.015	50	20	5	3
DNC 032x10-06-3 -R		10		3	135	64.671	36.745	50	20	5	3
DNC 032x10-06-6 -R		6		6	197	129.343	66.694	50	20	5	3
DNC 032x12-06-3 -R	32	12	6,35	3	154	64.549	36.745	50	20	5	3
DNC 032x12-06-6 -R		6		6	228	129.098	66.694	50	20	5	3
DNC 040x05-04-2 -R	40	5	3,969	2	80	39.739	16.851	63	20	5	3
DNC 040x05-04-5 -R		5		5	110	99.347	37.055	63	20	5	3
DNC 040x06-04-2 -R		6		2	83	39.726	16.851	63	20	5	3
DNC 040x06-04-5 -R		5		120	99.315	37.055	63	20	5	3	
DNC 040x08-06-3 -R	40	8	6,35	3	126	85.996	42.498	63	20	5	3
DNC 040x08-06-6 -R		6		6	175	171.992	77.135	63	20	5	3
DNC 040x10-06-3 -R		10		3	137	85.908	42.498	63	20	5	3
DNC 040x10-06-6 -R		6		6	200	171.816	77.135	63	20	5	3
DNC 040x12-06-3 -R	40	12	6,35	3	156	85.801	42.498	63	20	5	3
DNC 040x12-06-6 -R		6		6	230	171.601	77.135	63	20	5	3
DNC 040x16-08-3 -R		16	7,938	3	208	97.826	54.287	75	20	5	3
DNC 040x16-08-6 -R		6		6	305	195.652	98.533	75	20	5	3
DNC 040x20-08-3 -R	40	20		3	305	105.560	57.263	75	20	5	3
DNC 040x20-08-6 -R		6		6	350	211.121	103.934	75	20	5	3

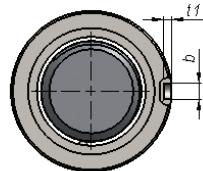
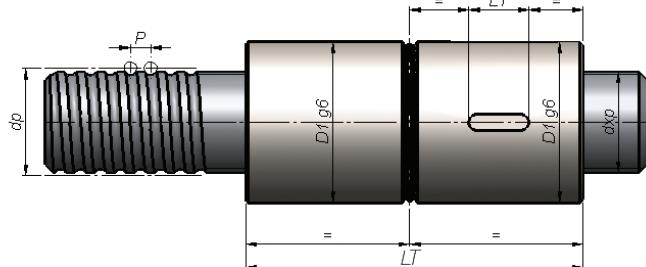
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

DNC radial



CODE	d	p	Øball	Nc	LT	Coa	Ca	D1g6	L1	b	t1	
					±0,1	N	N					
DNC 050x05-04-2 -R	50	5	3,969	2	75	51.074	18.741	75	20	6	3,5	
DNC 050x05-04-5 -R				5	105	127.684	41.211	75	20	6	3,5	
DNC 050x06-04-2 -R		6		2	75	51.063	18.741	75	20	6	3,5	
DNC 050x06-04-5 -R				5	110	127.657	41.211	75	20	6	3,5	
DNC 050x08-06-2 -R		8		2	125	75.085	34.094	75	20	6	3,5	
DNC 050x08-06-5 -R				5	173	187.713	74.973	75	20	6	3,5	
DNC 050x10-06-3 -R				3	135	112.553	48.319	75	20	6	3,5	
DNC 050x10-06-6 -R				6	195	225.105	87.700	75	20	6	3,5	
DNC 050x12-08-3 -R		12	7,938	3	160	132.895	63.592	75	20	6	3,5	
DNC 050x12-08-6 -R				6	232	265.790	115.422	75	20	6	3,5	
DNC 050x16-10-3 -R				3	210	155.307	79.909	85	32	6	3,5	
DNC 050x16-10-6 -R				6	305	310.615	145.037	85	32	6	3,5	
DNC 050x20-10-3 -R		16	9,525	3	228	154.911	79.909	85	32	6	3,5	
DNC 050x20-10-6 -R				6	348	309.821	145.037	85	32	6	3,5	
DNC 063x05-04-2 -R	63	5	3,969	2	70	65.267	20.666	90	32	6	3,5	
DNC 063x05-04-5 -R				5	100	163.168	45.444	90	32	6	3,5	
DNC 063x08-06-2 -R				2	105	99.947	38.884	90	32	6	3,5	
DNC 063x08-06-5 -R				5	153	249.867	85.508	90	32	6	3,5	
DNC 063x10-06-3 -R		10	6,35	3	132	149.856	55.108	90	32	6	3,5	
DNC 063x10-06-6 -R				6	192	299.711	100.023	90	32	6	3,5	
DNC 063x12-06-3 -R		12		3	155	149.777	55.108	90	32	8	4	
DNC 063x12-06-6 -R				6	227	299.554	100.023	90	32	8	4	
DNC 063x15-10-3 -R		15	9,525	3	200	206.382	92.064	95	32	8	4	
DNC 063x15-10-6 -R				6	290	412.765	167.100	95	32	8	4	
DNC 063x16-10-3 -R		16	9,525	3	210	206.309	92.064	95	32	8	4	
DNC 063x16-10-6 -R				6	305	412.617	167.100	95	32	8	4	
DNC 063x20-10-3 -R		20		3	233	205.967	92.064	95	40	8	4	
DNC 063x20-10-6 -R				6	353	411.934	167.100	95	40	8	4	
DNC 063x20-13-3 -R		12,7		3	264	254.155	128.229	105	40	8	4	
DNC 063x20-13-6 -R				6	384	508.309	232.741	105	40	8	4	

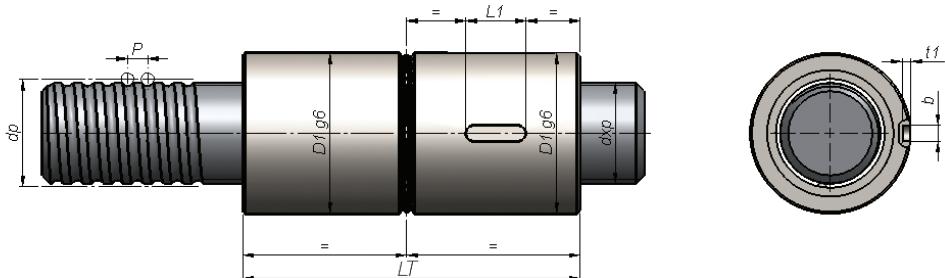
DOUBLE NUT CYLINDRICAL RADIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT	Coa	Ca	D1g6	L1	b	t1	
					±0,1	N	N					
DNC 080x10-06-3 -R	80	10	6,35	3	135	192.741	61.045	105	40	8	4	
DNC 080x10-06-6 -R				6	195	385.482	110.799	105	40	8	4	
DNC 080x12-06-3 -R				3	155	192.678	61.045	105	40	8	4	
DNC 080x12-06-6 -R				6	227	385.355	110.799	105	40	8	4	
DNC 080x15-06-3 -R				3	170	192.561	61.045	105	40	8	4	
DNC 080x15-06-6 -R				6	260	385.121	110.799	105	40	8	4	
DNC 080x16-10-3 -R		16	9,525	3	210	282.651	107.233	125	40	8	4	
DNC 080x16-10-6 -R				6	305	565.301	194.632	125	40	8	4	
DNC 080x20-10-3 -R				3	235	282.354	107.233	125	64	8	4	
DNC 080x20-10-6 -R				6	355	564.707	194.632	125	64	8	4	
DNC 080x20-13-3 -R				3	165	344.683	149.889	125	64	8	4	
DNC 080x20-13-6 -R				6	285	689.367	272.054	125	64	8	4	
DNC 080x25-10-3 -R		20	12,7	3	282	281.891	107.233	125	64	8	4	
DNC 080x25-10-6 -R				6	432	563.783	194.632	125	64	8	4	
DNC 080x25-13-3 -R				3	292	344.132	149.889	125	64	8	4	
DNC 080x25-13-6 -R				6	442	688.265	272.054	125	64	8	4	
DNC 080x25-16-3 -R				3	323	430.448	201.650	125	64	8	4	
DNC 080x25-16-6 -R				6	473	860.897	366.002	125	64	8	4	
DNC 100x10-06-3 -R	100	10	6,35	3	133	246.282	67.454	125	64	10	5	
DNC 100x10-06-6 -R				6	193	492.564	122.432	125	64	10	5	
DNC 100x12-06-3 -R				3	155	246.230	67.454	125	64	10	5	
DNC 100x12-06-6 -R				6	227	492.459	122.432	125	64	10	5	
DNC 100x16-10-3 -R			9,525	3	210	372.059	121.460	135	64	10	5	
DNC 100x16-10-6 -R				6	305	744.118	220.455	135	64	10	5	
DNC 100x20-10-3 -R		20		3	233	371.805	121.460	135	64	10	5	
DNC 100x20-10-6 -R				6	353	743.609	220.455	135	100	10	5	
DNC 100x20-13-3 -R				3	260	458.016	171.983	150	100	10	5	
DNC 100x20-13-6 -R				6	380	916.032	312.155	150	100	10	5	
DNC 100x25-10-3 -R		25	12,7	3	282	371.408	121.460	150	100	10	5	
DNC 100x25-10-6 -R				6	432	742.816	220.455	150	100	10	5	
DNC 100x25-13-3 -R				3	292	457.537	171.983	150	100	10	5	
DNC 100x25-13-6 -R				6	442	915.074	312.155	150	100	10	5	
DNC 100x25-16-3 -R				3	323	571.828	233.116	150	100	10	5	
DNC 100x25-16-6 -R				6	473	1.143.656	423.115	150	100	10	5	

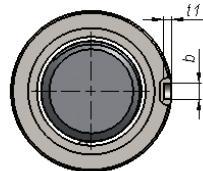
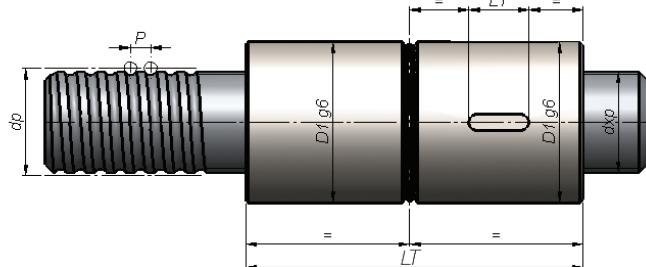
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

DNC radial



CODE	d	p	Øball	Nc	LT	Coa	Ca	D1g6	L1	b	t1
					±0,1	N	N				
DNC 120x10-06-3 -R	120	10	6,35	3	33	299.850	72.935	150	100	10	5
DNC 120x10-06-6 -R				6	193	599.699	132.380	150	100	10	5
DNC 120x12-06-3 -R		12	9,525	6	226	599.610	132.380	150	100	10	5
DNC 120x12-06-6 -R				3	210	449.162	130.943	170	100	10	5
DNC 120x16-10-3 -R		16	9,525	6	306	898.324	237.666	170	100	10	5
DNC 120x16-10-6 -R				3	233	448.946	130.943	170	100	10	5
DNC 120x20-10-3 -R		20	12,7	6	353	897.892	237.666	170	100	10	5
DNC 120x20-10-6 -R				3	264	571.681	190.295	170	100	10	5
DNC 120x20-13-3 -R		25	9,525	6	384	1.143.362	345.392	170	100	10	5
DNC 120x20-13-6 -R				3	280	448.610	130.943	170	100	10	5
DNC 120x25-10-3 -R	125	10	6,35	6	430	897.219	237.666	170	100	10	5
DNC 120x25-10-6 -R				3	290	571.259	190.295	170	100	10	5
DNC 120x25-13-3 -R		12	9,525	6	440	1.142.519	345.392	170	100	10	5
DNC 120x25-13-6 -R				3	320	713.695	259.099	170	100	10	5
DNC 120x25-16-3 -R		16	15,875	6	470	1.427.389	470.275	170	100	10	5
DNC 120x25-16-6 -R				3	140	310.612	73.780	150	100	10	5
DNC 125x10-06-3 -R		20	12,7	6	200	621.224	133.914	150	100	10	5
DNC 125x10-06-6 -R				3	150	310.569	73.780	150	100	10	5
DNC 125x12-06-3 -R		25	9,525	6	222	621.138	133.914	150	100	10	5
DNC 125x12-06-6 -R				3	210	474.682	134.302	170	100	10	5
DNC 125x16-10-3 -R		20	12,7	6	306	949.363	243.764	170	100	10	5
DNC 125x16-10-6 -R				3	233	474.471	134.302	170	100	10	5
DNC 125x20-10-3 -R		25	12,7	6	353	948.942	243.764	170	100	10	5
DNC 125x20-10-6 -R				3	265	594.624	193.249	170	100	10	5
DNC 125x20-13-3 -R		20	12,7	6	385	1.189.248	350.755	170	100	10	5
DNC 125x20-13-6 -R				3	282	474.143	134.302	170	100	10	5
DNC 125x25-10-3 -R		25	12,7	6	432	948.285	243.764	170	100	10	5
DNC 125x25-10-6 -R				3	290	594.219	193.249	170	100	10	5
DNC 125x25-13-3 -R		20	15,875	6	440	1.188.437	350.755	170	100	10	5
DNC 125x25-13-6 -R				3	320	749.209	264.966	180	100	10	5
DNC 125x25-16-3 -R		25	19,05	6	470	1.498.418	480.923	180	100	10	5
DNC 125x25-16-6 -R				3	325	875.337	333.982	190	100	10	5
DNC 125x25-20-3 -R				6	475	1.750.674	606.191	190	100	10	5
DNC 125x25-20-6 -R				3							

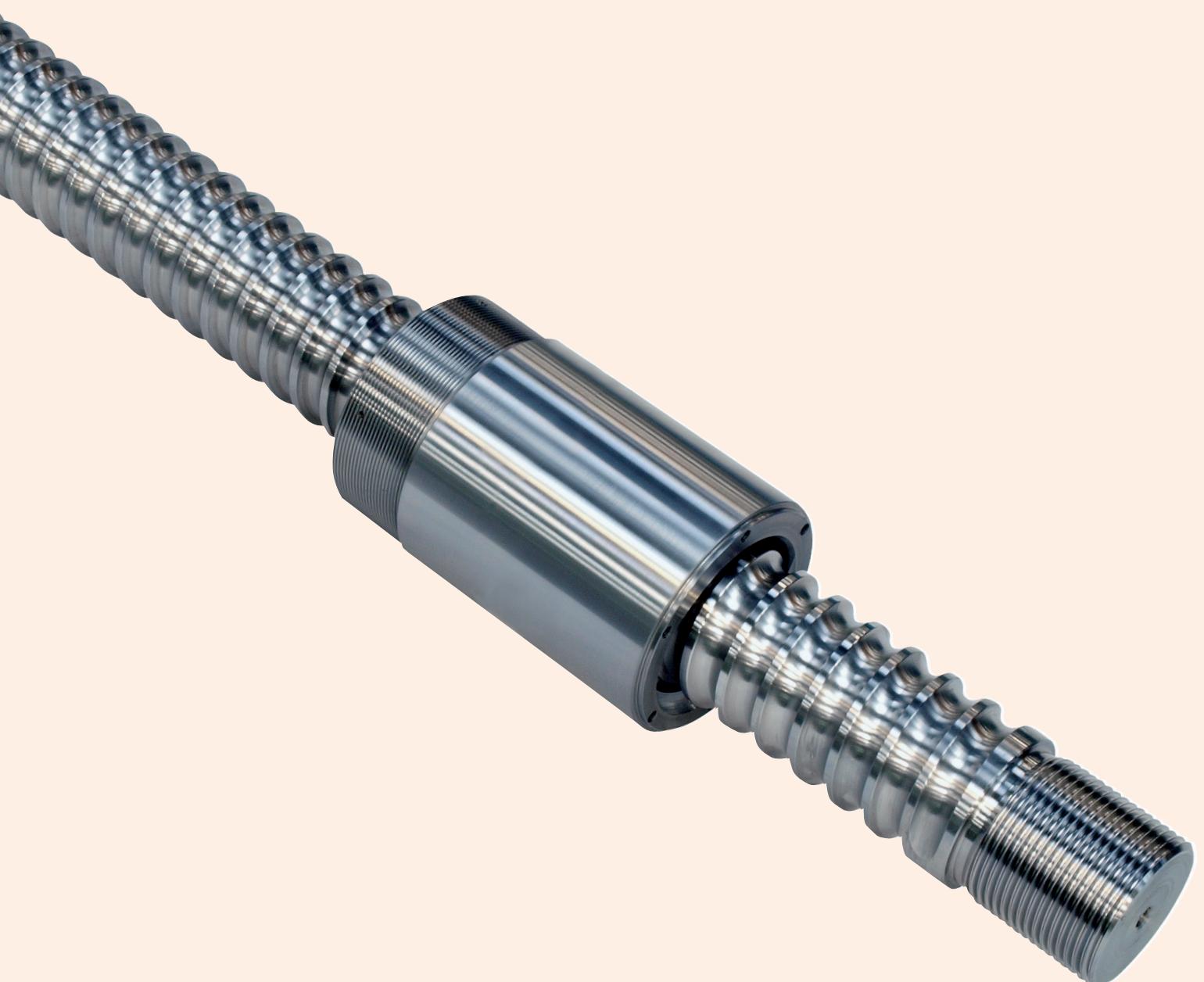
DOUBLE NUT CYLINDRICAL RADIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT	Coa	Ca	D1g6	L1	b	t1
					±0,1	N	N				
DNC 140x20-13-6 -R	140	20	12,7	6	365	1.371.064	374.008	190	100	10	5
DNC 140x25-13-6 -R		25		6	470	1.370.313	374.008	190	100	10	5
DNC 140x25-16-6 -R		25	15,875	6	475	1.711.664	510.700	190	100	10	5
DNC 140x25-20-6 -R		25	19,05	6	480	2.055.160	657.158	200	100	10	5
DNC 160x20-13-6 -R	160	20	12,7	6	390	1.598.995	399.304	210	100	10	5
DNC 160x25-13-6 -R		25		6	475	1.598.320	399.304	210	100	10	5
DNC 160x25-16-6 -R		25	15,875	6	480	1.996.270	546.291	210	100	10	5
DNC 160x25-20-6 -R		25	19,05	6	485	2.363.864	698.119	220	100	10	5
DNC 180x20-13-6 -R	180	20	12,7	6	390	1.827.078	422.096	230	100	10	5
DNC 180x25-13-6 -R		25		6	480	1.826.464	422.096	230	100	10	5
DNC 180x25-16-6 -R		25	15,875	6	485	2.281.093	578.248	230	100	10	5
DNC 180x25-20-6 -R		25	19,05	6	490	2.672.551	734.946	240	100	10	5
DNC 200x20-13-6 -R	200	20	12,7	6	390	2.055.265	442.925	250	100	10	5
DNC 200x25-13-6 -R		25		6	475	2.054.703	442.925	250	100	10	5
DNC 200x25-16-6 -R		25	15,875	6	480	2.566.067	607.371	250	100	10	5
DNC 200x25-20-6 -R		25	19,05	6	485	3.080.599	785.546	260	100	10	5
DNC 220x20-13-6 -R	220	20	12,7	6	390	2.283.527	462.171	270	100	10	5
DNC 220x25-13-6 -R		25		6	475	2.283.010	462.171	270	100	10	5
DNC 220x25-16-6 -R		25	15,875	6	480	2.851.148	634.217	270	100	10	5
DNC 220x25-20-6 -R		25	19,05	6	475	3.389.582	815.673	280	100	10	5
DNC 240x20-13-6 -R	240	20	12,7	6	390	2.511.846	480.107	290	100	10	5
DNC 240x25-13-6 -R		25		6	475	2.511.366	480.107	290	100	10	5
DNC 240x25-16-6 -R		25	15,875	6	480	3.136.309	659.190	290	100	10	5
DNC 240x25-20-6 -R		25	19,05	6	485	3.698.503	843.797	300	100	10	5
DNC 260x20-13-6 -R	260	20	12,7	6	390	2.740.208	496.942	310	100	10	5
DNC 260x25-13-6 -R		25		6	475	2.739.760	496.942	310	100	10	5
DNC 260x25-16-6 -R		25	15,875	6	480	3.421.531	682.592	310	100	10	5
DNC 260x25-20-6 -R		25	19,05	6	485	4.007.376	870.240	320	100	10	5
DNC 280x20-13-6 -R	280	20	12,7	6	390	2.968.603	512.832	330	100	10	5
DNC 280x25-13-6 -R		25		6	475	2.968.184	512.832	330	100	10	5
DNC 280x25-16-6 -R		25	15,875	6	480	3.706.800	704.653	330	100	10	5
DNC 280x25-20-6 -R		25	19,05	6	485	4.416.587	909.076	340	100	10	5
DNC 300x20-13-6 -R	300	20	12,7	6	390	3.197.026	527.905	350	100	10	5
DNC 300x25-13-6 -R		25		6	475	3.196.632	527.905	350	100	10	5
DNC 300x25-16-6 -R		25	15,875	6	480	3.992.108	725.556	350	100	10	5
DNC 300x25-20-6 -R		25	19,05	6	485	4.725.558	932.287	360	100	10	5

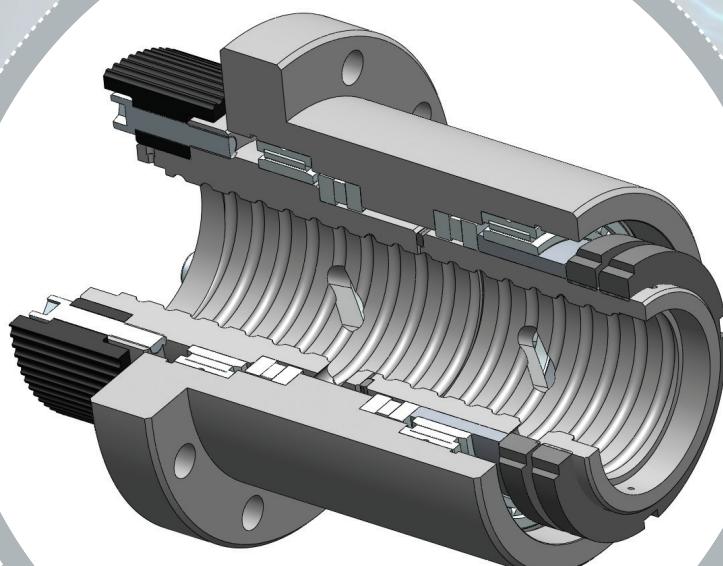
Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

DNC radial





ROTATING NUT DOUBLE





FEATURES

BSG double nut rotating series: the complete solutions for universal applications for static ball screw shaft from the **high load capacities** to **high feed speed rates** in the **highest rigidity assembly** and **easy installation** in your linear system.

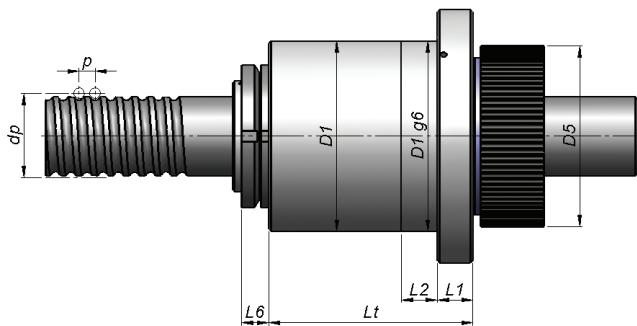


RANGE OF PRODUCTION

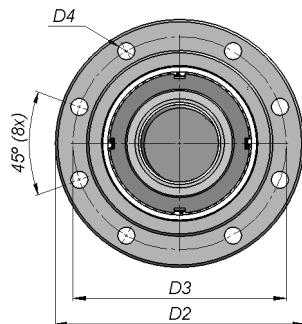


ROTATING NUT

ROTATING NUT DOUBLE

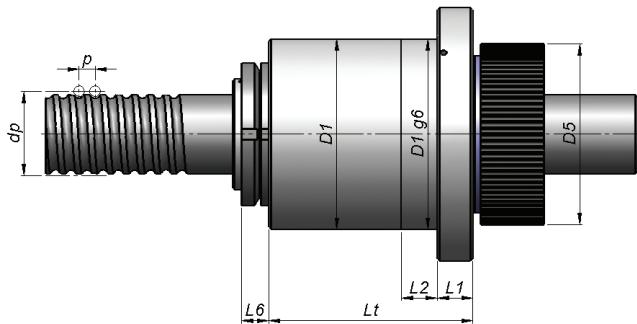


CODE	d	p	Øball	Nc	LT	Coa	Ca			
					±0,1	N	N			
RND 050x20-10-3	50	20	9,525	3	200	179.201	90.047			
RND 050x20-10-4				4	240	238.935	115.323			
RND 050x20-10-5				5	260	298.669	139.720			
RND 050x20-10-6		20		6	280	358.403	163.438			
RND 063x20-10-3	63			3	240	238.264	103.744			
RND 063x20-10-4				4	250	317.685	132.865			
RND 063x20-10-5				5	270	397.106	160.973			
RND 063x20-10-6	80	20		6	330	476.527	188.300			
RND 080x20-10-3				3	240	326.628	120.838			
RND 080x20-10-4				4	260	435.504	154.757			
RND 080x20-10-5		25		5	270	544.380	187.496			
RND 080x20-10-6				6	310	653.256	219.325			
RND 080x25-10-3				3	280	326.093	120.838			
RND 080x25-10-4	100	30		4	320	434.791	154.757			
RND 080x25-10-5				5	360	543.489	187.496			
RND 080x25-10-6				6	400	652.186	219.325			
RND 080x30-10-2		40		2	230	216.962	85.264			
RND 080x30-10-3				3	290	325.443	120.838			
RND 080x30-10-5				5	370	542.405	187.496			
RND 080x40-10-3	16			3	300	323.806	120.838			
RND 080x40-10-4				4	380	431.742	154.757			
RND 100x16-10-3				3	240	430.400	136.869			
RND 100x16-10-4				4	260	573.866	175.289			
RND 100x16-10-5				5	290	717.333	212.372			
RND 100x16-10-6				6	325	860.799	248.423			
RND 100x20-10-3	20	9,525		3	240	430.105	136.869			
RND 100x20-10-4				4	280	573.474	175.289			
RND 100x20-10-5				5	300	716.842	212.372			
RND 100x20-10-6		12,7		6	340	860.211	248.423			
RND 100x20-13-3				3	240	608.684	217.152			
RND 100x20-13-4				4	280	811.578	278.106			
RND 100x20-13-5	25			5	300	1.014.473	336.941			
RND 100x20-13-6				6	340	1.217.367	394.139			
RND 100x25-10-3	9,525			3	290	429.647	136.869			
RND 100x25-10-4				4	340	572.862	175.289			
RND 100x25-10-5				5	390	716.078	212.372			
RND 100x25-10-6	12,7			6	440	859.293	248.423			
RND 100x25-13-3				3	290	608.047	217.152			
RND 100x25-13-4				4	340	810.729	278.106			
RND 100x25-13-5				30			5	390	1.013.411	336.941
RND 100x25-13-6							6	440	1.216.093	394.139
RND 100x30-10-2	9,525			2	260	286.059	96.576			
RND 100x30-10-3				3	320	429.088	136.869			
RND 100x30-10-5				5	440	715.146	212.372			
RND 100x30-13-2	12,7			2	260	404.847	153.223			
RND 100x30-13-3				3	320	607.271	217.152			
RND 100x30-13-5				5	440	1.012.118	336.941			
RND 100x40-10-3	40	9,525		3	340	427.676	136.869			
RND 100x40-10-4				4	420	570.234	175.289			
RND 100x40-13-3		12,7		3	340	605.310	217.152			
RND 100x40-13-4				4	420	807.080	278.106			

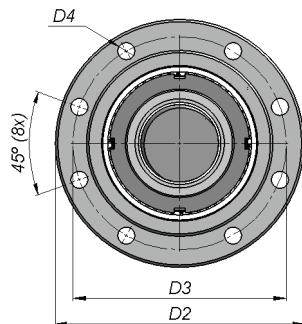


D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13							
160	215	190	15	8	M8x1	30	30	180	20	RND 050x20-10-3
160	215	190	15	8	M8x1	30	30	180	60	RND 050x20-10-4
160	215	190	15	8	M8x1	30	30	180	80	RND 050x20-10-5
160	215	190	15	8	M8x1	30	30	180	100	RND 050x20-10-6
180	230	205	15	8	M8x1	30	30	190	50	RND 063x20-10-3
180	230	205	15	8	M8x1	30	30	190	60	RND 063x20-10-4
180	230	205	15	8	M8x1	30	30	190	80	RND 063x20-10-5
180	230	205	15	8	M8x1	30	30	190	140	RND 063x20-10-6
205	264	235	18	8	M8x1	30	30	200	40	RND 080x20-10-3
205	264	235	18	8	M8x1	30	30	200	60	RND 080x20-10-4
205	264	235	18	8	M8x1	30	30	200	70	RND 080x20-10-5
205	264	235	18	8	M8x1	30	30	220	90	RND 080x20-10-6
205	264	235	18	8	M8x1	30	30	220	60	RND 080x25-10-3
205	264	235	18	8	M8x1	30	30	220	100	RND 080x25-10-4
205	264	235	18	8	M8x1	30	30	220	140	RND 080x25-10-5
205	264	235	18	8	M8x1	30	30	220	180	RND 080x25-10-6
205	264	235	18	8	M8x1	30	30	240	10	RND 080x30-10-2
205	264	235	18	8	M8x1	30	30	240	50	RND 080x30-10-3
205	264	235	18	8	M8x1	30	30	240	130	RND 080x30-10-5
205	264	235	18	8	M8x1	30	30	250	50	RND 080x40-10-3
205	264	235	18	8	M8x1	30	30	250	130	RND 080x40-10-4
240	300	270	18	8	M8x1	30	30	230	10	RND 100x16-10-3
240	300	270	18	8	M8x1	30	30	230	30	RND 100x16-10-4
240	300	270	18	8	M8x1	30	30	230	60	RND 100x16-10-5
240	300	270	18	8	M8x1	30	30	230	95	RND 100x16-10-6
240	300	270	18	8	M8x1	30	30	230	10	RND 100x20-10-3
240	300	270	18	8	M8x1	30	30	230	50	RND 100x20-10-4
240	300	270	18	8	M8x1	30	30	230	110	RND 100x20-10-5
240	300	270	18	8	M8x1	30	30	230	110	RND 100x20-10-6
250	310	280	18	8	M8x1	30	30	230	10	RND 100x20-13-3
250	310	280	18	8	M8x1	30	30	230	50	RND 100x20-13-4
250	310	280	18	8	M8x1	30	30	230	70	RND 100x20-13-5
250	310	280	18	8	M8x1	30	30	230	110	RND 100x20-13-6
240	300	270	18	8	M8x1	30	30	240	50	RND 100x25-10-3
240	300	270	18	8	M8x1	30	30	240	100	RND 100x25-10-4
240	300	270	18	8	M8x1	30	30	240	150	RND 100x25-10-5
240	300	270	18	8	M8x1	30	30	240	200	RND 100x25-10-6
250	310	280	18	8	M8x1	30	30	240	50	RND 100x25-13-3
250	310	280	18	8	M8x1	30	30	240	100	RND 100x25-13-4
250	310	280	18	8	M8x1	30	30	240	150	RND 100x25-13-5
250	310	280	18	8	M8x1	30	30	240	200	RND 100x25-13-6
240	300	270	18	8	M8x1	30	30	250	10	RND 100x30-10-2
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240	300	270	18	8	M8x1	30	30	250	190	RND 100x30-10-5
250	310	280	18	8	M8x1	30	30	250	10	RND 100x30-13-2
250	310	280	18	8	M8x1	30	30	250	70	RND 100x30-13-3
250	310	280	18	8	M8x1	30	30	250	190	RND 100x30-13-5
240	300	270	18	8	M8x1	30	30	260	80	RND 100x40-10-3
240	300	270	18	8	M8x1	30	30	260	160	RND 100x40-10-4
250	310	280	18	8	M8x1	30	30	260	80	RND 100x40-13-3
250	310	280	18	8	M8x1	30	30	260	160	RND 100x40-13-4

ROTATING NUT DOUBLE



CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
RND 120x20-10-3	120	20	9,525	3	270	519.343	147.555
RND 120x20-10-4				4	310	692.457	188.974
RND 120x20-10-5				5	350	865.572	228.952
RND 120x20-10-6				6	390	1.038.686	267.818
RND 120x20-13-3			12,7	3	290	759.739	240.273
RND 120x20-13-4				4	280	1.012.986	307.718
RND 120x20-13-5		25	9,525	5	320	1.266.232	372.817
RND 120x20-13-6				6	360	1.700.045	460.082
RND 120x25-10-3			12,7	3	280	518.954	147.555
RND 120x25-10-4				4	330	691.938	188.974
RND 120x25-10-5				5	380	864.923	228.952
RND 120x25-10-6				6	430	1.037.908	267.818
RND 120x25-13-3	125	30	9,525	3	280	759.179	240.273
RND 120x25-13-4				4	330	1.012.239	307.718
RND 120x25-13-5				5	380	1.265.298	372.817
RND 120x25-13-6				6	430	1.518.358	436.105
RND 120x30-10-2			12,7	2	280	345.653	104.116
RND 120x30-10-3				3	290	518.479	147.555
RND 120x30-10-5				5	410	864.132	228.952
RND 120x30-13-2				2	280	505.664	169.538
RND 120x30-13-3	125	40	9,525	3	290	758.496	240.273
RND 120x30-13-5				5	410	1.264.160	372.817
RND 120x40-10-3				3	300	517.277	147.555
RND 120x40-10-4				4	380	689.703	188.974
RND 120x40-13-3			12,7	3	300	756.766	240.273
RND 120x40-13-4				4	380	1.009.021	307.718
RND 125x20-10-3	125	20	9,525	3	270	548.870	151.341
RND 125x20-10-4				4	280	731.827	193.822
RND 125x20-10-5				5	320	914.784	234.826
RND 125x20-10-6				6	360	1.097.741	274.690
RND 125x20-13-3			12,7	3	270	790.230	244.004
RND 125x20-13-4				4	280	1.053.639	312.496
RND 125x20-13-5	125	25	9,525	5	320	1.317.049	378.606
RND 125x20-13-6				6	360	1.580.459	442.877
RND 125x25-10-3			12,7	3	270	548.490	151.341
RND 125x25-10-4				4	280	731.321	193.822
RND 125x25-10-5				5	320	914.151	234.826
RND 125x25-10-6				6	360	1.096.981	274.690
RND 125x25-13-3		30	9,525	3	280	789.691	244.004
RND 125x25-13-4				4	320	1.052.921	312.496
RND 125x25-13-5				5	370	1.316.152	378.606
RND 125x25-13-6				6	420	1.579.382	442.877
RND 125x30-10-2			12,7	2	280	365.351	106.787
RND 125x30-10-3				3	290	548.027	151.341
RND 125x30-10-5	125	40	9,525	5	350	913.379	234.826
RND 125x30-13-2				2	280	545.505	176.396
RND 125x30-13-3			12,7	3	290	818.258	249.992
RND 125x30-13-5				5	350	1.363.763	387.897
RND 125x40-10-3			9,525	3	310	546.853	151.341
RND 125x40-10-4			9,525	4	390	729.137	193.822



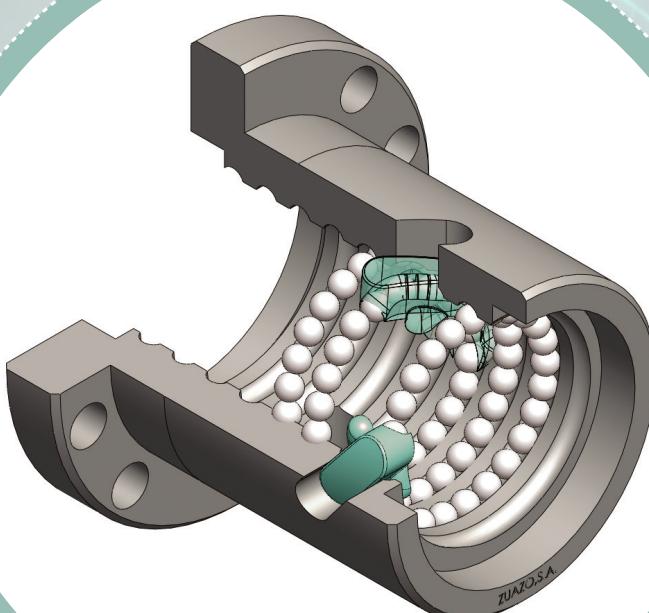
D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13							
265	355	310	22	8	M8x1	35	30	260	10	RND 120x20-10-3
265	355	310	22	8	M8x1	35	30	260	50	RND 120x20-10-4
265	355	310	22	8	M8x1	35	30	260	90	RND 120x20-10-5
265	355	310	22	8	M8x1	35	30	260	130	RND 120x20-10-6
285	375	330	22	8	M8x1	35	30	230	110	RND 120x20-13-3
285	375	330	22	8	M8x1	35	30	230	50	RND 120x20-13-4
285	375	330	22	8	M8x1	35	30	230	90	RND 120x20-13-5
285	375	330	22	8	M8x1	35	30	230	130	RND 120x20-13-6
265	355	310	22	8	M8x1	35	30	260	20	RND 120x25-10-3
265	355	310	22	8	M8x1	35	30	260	70	RND 120x25-10-4
265	355	310	22	8	M8x1	35	30	260	120	RND 120x25-10-5
265	355	310	22	8	M8x1	35	30	260	170	RND 120x25-10-6
285	375	330	22	8	M8x1	35	30	260	20	RND 120x25-13-3
285	375	330	22	8	M8x1	35	30	260	70	RND 120x25-13-4
285	375	330	22	8	M8x1	35	30	260	120	RND 120x25-13-5
285	375	330	22	8	M8x1	35	30	260	170	RND 120x25-13-6
265	355	310	22	8	M8x1	35	30	270	10	RND 120x30-10-2
265	355	310	22	8	M8x1	35	30	270	20	RND 120x30-10-3
265	355	310	22	8	M8x1	35	30	270	140	RND 120x30-10-5
285	375	330	22	8	M8x1	35	30	270	10	RND 120x30-13-2
285	375	330	22	8	M8x1	35	30	270	20	RND 120x30-13-3
285	375	330	22	8	M8x1	35	30	270	140	RND 120x30-13-5
265	355	310	22	8	M8x1	35	30	280	20	RND 120x40-10-3
265	355	310	22	8	M8x1	35	30	280	100	RND 120x40-10-4
285	375	330	22	8	M8x1	35	30	280	20	RND 120x40-13-3
285	375	330	22	8	M8x1	35	30	280	100	RND 120x40-13-4
265	355	310	22	8	M10x1,5	40	30	260	10	RND 125x20-10-3
265	355	310	22	8	M10x1,5	40	30	260	20	RND 125x20-10-4
265	355	310	22	8	M10x1,5	40	30	260	60	RND 125x20-10-5
265	355	310	22	8	M10x1,5	40	30	260	100	RND 125x20-10-6
290	380	335	22	8	M10x1,5	40	30	260	10	RND 125x20-13-3
290	380	335	22	8	M10x1,5	40	30	260	20	RND 125x20-13-4
290	380	335	22	8	M10x1,5	40	30	260	60	RND 125x20-13-5
290	380	335	22	8	M10x1,5	40	30	260	100	RND 125x20-13-6
265	355	310	22	8	M10x1,5	40	30	260	20	RND 125x25-10-3
265	355	310	22	8	M10x1,5	40	30	260	70	RND 125x25-10-4
265	355	310	22	8	M10x1,5	40	30	260	120	RND 125x25-10-5
265	355	310	22	8	M10x1,5	40	30	260	170	RND 125x25-10-6
290	380	335	22	8	M10x1,5	40	30	260	20	RND 125x25-13-3
290	380	335	22	8	M10x1,5	40	30	260	70	RND 125x25-13-4
290	380	335	22	8	M10x1,5	40	30	260	120	RND 125x25-13-5
290	380	335	22	8	M10x1,5	40	30	260	170	RND 125x25-13-6
290	380	335	22	8	M10x1,5	40	30	270	10	RND 125x30-10-2
290	380	335	22	8	M10x1,5	40	30	270	20	RND 125x30-10-3
290	380	335	22	8	M10x1,5	40	30	270	80	RND 125x30-10-5
290	380	335	22	8	M10x1,5	40	30	270	10	RND 125x30-13-2
290	380	335	22	8	M10x1,5	40	30	270	20	RND 125x30-13-3
290	380	335	22	8	M10x1,5	40	30	270	80	RND 125x30-13-5
290	380	335	22	8	M10x1,5	40	30	280	30	RND 125x40-10-3
290	380	335	22	8	M10x1,5	40	30	280	110	RND 125x40-10-4



HIGH LOAD FLANGED

RADIAL DEFLECTORS

HLF radial





FEATURES

BSG high load ball screws series: solutions for special applications where the ratio load capacity/stroke must be high. It offers compact designs performing large static and dynamic values for ground finishing ball screws. Highest reliability for short strokes and severe frequency of working cycles.



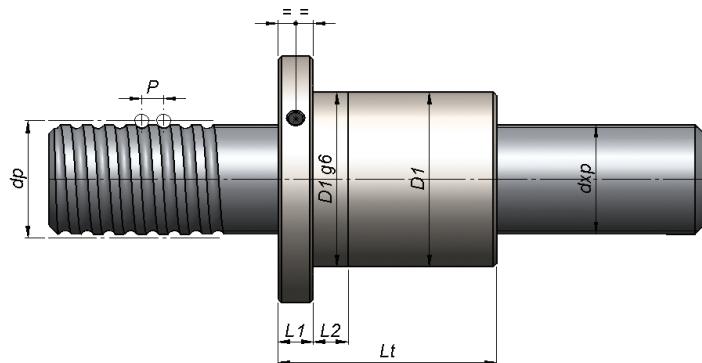
● RANGE OF PRODUCTION

Diameter	Lead																		
	5	6	8	10	12	15	16	20	25	30	32	40	50	55	5	6	8	10	12
nc	2	4	5	2	4	5	2	3	4	5	6	3	5	6	8	3	5	6	8
20																			
25																			
32																			
40					H		H		H										
50					H		H		H		H								
55					H		H		H		H								
63					H		H		H		H								
80					H		H		H		H				H				
100					H		H		H		H								
120						H			H		H				H				
125								H			H				H				
140									H			H			H		H		
160										H		H			H		H		H
180										H		H			H		H		H
200										H		H			H		H		H
220										H		H			H		H		H
240										H		H			H		H		H
260										H		H			H		H		H
280										H		H			H		H		H H
300										H		H			H		H		H H



H HIGH LOAD FLANGED FLANGED (RADIAL DEFLECTORS)

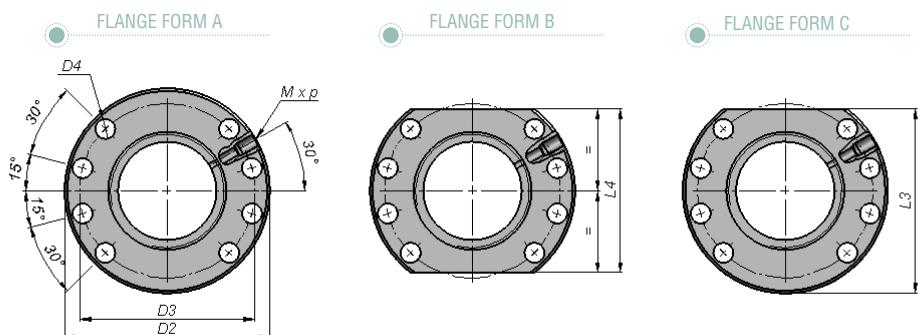
HIGH LOAD FLANGED RADIAL DEFLECTORS



CODE	d	p	Øball	Nc	LT	Coa	Ca
					±0,1	N	N
HLF 040x10-08-8 -R	40	10	7,938	8	130	440.255	138.856
HLF 040x12-10-8 -R		12	9,525	8	155	512.738	172.253
HLF 040x16-13-8 -R		16	12,7	8	200	627.533	230.405
HLF 050x10-08-8 -R	50	10	7,938	8	130	573.908	158.755
HLF 050x12-10-8 -R		12	9,525	8	155	674.651	199.954
HLF 050x16-13-8 -R		16	12,7	8	200	974.757	331.233
HLF 055x10-08-8 -R	55	10	7,938	8	130	640.897	167.337
HLF 055x12-10-8 -R		12	9,525	8	155	729.825	211.873
HLF 055x16-13-8 -R		16	12,7	8	200	1.090.200	351.931
HLF 063x12-10-8 -R	63	12	9,525	8	155	855.565	228.965
HLF 063x16-13-8 -R		16	12,7	8	200	1.245.262	372.588
HLF 063x20-16-8 -R		20	15,875	8	245	1.533.502	495.213
HLF 080x12-10-8 -R	80	12	9,525	8	160	1.123.377	259.490
HLF 080x16-13-8 -R		16	12,7	8	205	1.582.376	411.544
HLF 080x20-16-8 -R		20	15,875	8	255	1.990.732	563.526
HLF 080x25-20-8 -R	80	25	19,05	8	300	2.270.296	688.450
HLF 100x16-13-8 -R		16	12,7	8	215	2.137.125	484.961
HLF 100x20-16-8 -R		20	15,875	8	250	2.595.381	643.831
HLF 100x25-20-8 -R	100	25	19,05	8	310	2.989.309	799.636
HLF 125x16-13-8 -R		16	12,7	8	210	2.741.882	541.010
HLF 125x20-16-8 -R		20	15,875	8	260	3.346.811	725.417
HLF 125x25-20-8 -R	125	25	19,05	8	310	3.892.271	911.987
HLF 140x20-16-8 -R		20	15,875	8	250	2.825.032	724.781
HLF 140x25-20-8 -R		25	19,05	8	305	3.289.770	920.848
HLF 140x32-25-8 -R	140	32	25,4	8	390	4.168.652	1.330.653
HLF 160x32-25-8 -R		32	25,4	8	400	4.908.271	1.434.428
HLF 160x40-30-6 -R		40	29,369	6	395	4.164.738	1.425.815
HLF 180x32-25-8 -R	180	32	25,4	8	390	5.619.677	1.520.549
HLF 180x40-30-6 -R		40	29,369	6	400	5.497.257	1.669.578
HLF 180x50-36-5 -R		50	35,719	5	430	5.367.524	1.784.528
HLF 200x32-25-5 -R	200	32	25,4	5	300	3.976.247	1.070.062
HLF 200x40-30-6 -R		40	29,369	6	405	4.663.088	1.544.941
HLF 220x32-25-5 -R	220	32	25,4	5	300	4.421.885	1.117.055
HLF 220x40-30-6 -R		40	29,369	6	405	5.625.586	1.598.467
HLF 240x32-25-5 -R	240	32	25,4	5	300	4.886.735	1.163.441
HLF 240x40-30-6 -R		40	29,369	6	405	6.324.533	1.507.176
HLF 260x32-25-5 -R	260	32	25,4	5	300	5.332.920	1.203.702
HLF 260x40-30-6 -R		40	29,369	6	405	6.871.360	1.668.883
HLF 280x32-25-5 -R	280	32	25,4	5	300	5.798.314	1.244.215
HLF 280x40-30-6 -R		40	29,369	6	405	7.229.577	1.698.023
HLF 280x55-43-4 -R		55	42,862	4	420	6.998.765	1.992.57

Ca: Dynamic Load **Coa:** Static Load **Nc:** Circuit numbers

HLF radial

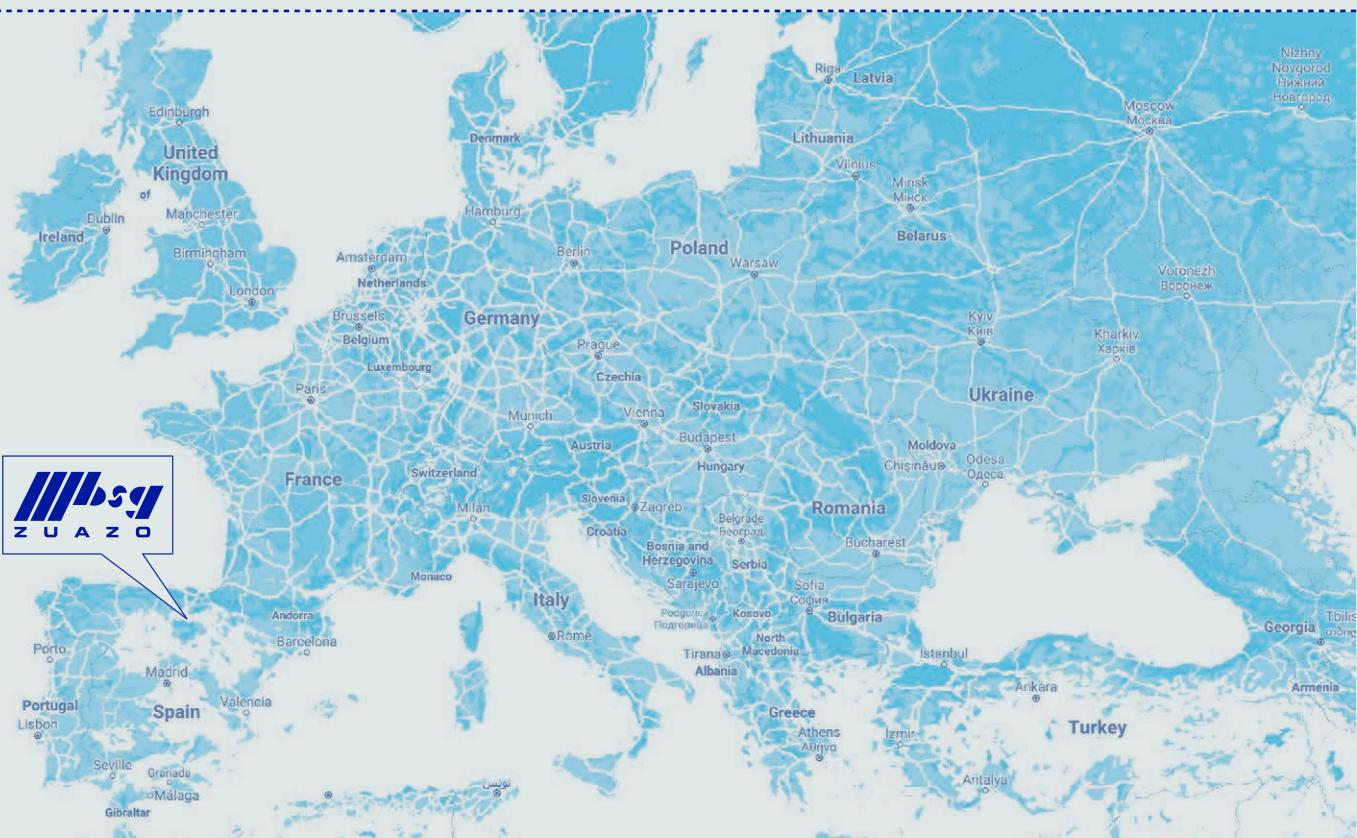


D1g6	D2	D3	D4	Nº of HOLES	MxP	L1	L2	L3	L4	CODE
	h13	±0,2	H13				+2	h13	h13	
75	110	93	11	8	M8x1	16	18	97,5	85	HLF 040x10-08-8 -R
75	110	93	11	8	M8x1	20	18	97,5	85	HLF 040x12-08-8 -R
75	110	93	11	8	M8x1	20	25	97,5	85	HLF 040x16-13-8 -R
75	110	93	11	8	M8x1	16	18	97,5	85	HLF 050x10-08-8 -R
85	120	103	11	8	M8x1	20	25	107,5	85	HLF 050x12-10-8 -R
105	145	125	11	8	M8x1	20	25	127,5	110	HLF 050x16-13-8 -R
80	115	98	11	8	M8x1	16	18	105,5	96	HLF 055x10-08-8 -R
90	125	108	11	8	M8x1	20	25	110	95	HLF 055x12-10-8 -R
90	125	108	11	8	M8x1	20	25	110	95	HLF 055x16-13-8 -R
95	128	111,5	11	8	M8x1	20	25	115	140	HLF 063x12-10-8 -R
105	145	125	13,5	8	M8x1	20	25	127,5	110	HLF 063x16-13-8 -R
120	160	140	13,5	8	M8x1	25	30	142,5	125	HLF 063x20-16-8 -R
125	165	145	13,5	8	M8x1	25	30	147,5	130	HLF 080x12-10-8 -R
125	165	145	13,5	8	M8x1	30	30	147,5	130	HLF 080x16-13-8 -R
125	165	145	13,5	8	M8x1	25	30	147,5	130	HLF 080x20-16-8 -R
130	170	150	13,5	8	M8x1	25	30	152,5	135	HLF 080x25-20-8 -R
145	192	168	17,5	8	M8x1	30	30	172,5	155	HLF 100x16-13-8 -R
150	202	176	17,5	8	M8x1	30	30	178,5	155	HLF 100x20-16-8 -R
160	212	186	17,5	8	M8x1	30	30	188,5	165	HLF 100x25-20-8 -R
170	222	196	17,5	8	M8x1	30	30	198,5	175	HLF 125x16-13-8 -R
180	232	206	17,5	8	M8x1	30	30	208,5	185	HLF 125x20-16-8 -R
190	242	216	17,5	8	M8x1	30	30	218,5	195	HLF 125x25-20-8 -R
190	242	216	17,5	8	M8x1	30	30	218,5	195	HLF 140x20-16-8 -R
200	252	226	17,5	8	M8x1	30	30	228,5	205	HLF 140x25-20-8 -R
220	272	246	17,5	8	M8x1	40	30	248,5	225	HLF 140x32-25-8 -R
230	295	262,5	22	8	M10x1	40	30	270	245	HLF 160x32-25-8 -R
230	295	262,5	22	8	M10x1	40	30	270	245	HLF 160x32-25-8 -R
260	320	286	22	8	M10x1	40	30	288,5	265	HLF 180x32-25-8 -R
280	340	306	22	8	M10x1	40	30	328,5	285	HLF 180x40-30-6 -R
300	360	326	22	8	M10x1	40	30	328,5	305	HLF 180x50-36-5 -R
280	340	306	26	8	M10x1	45	30	308,5	285	HLF 200x32-25-5 -R
300	360	326	26	8	M10x1	45	30	328,5	305	HLF 200x40-30-6 -R
300	360	326	26	8	M10x1	45	30	328,5	305	HLF 220x32-25-5 -R
320	380	346	26	8	M10x1	45	30	348,5	325	HLF 220x40-30-6 -R
320	380	346	26	8	M10x1	45	30	348,5	325	HLF 240x32-25-5 -R
340	400	366	26	8	M10x1	45	30	368,5	345	HLF 240x40-30-6 -R
340	400	366	26	8	M10x1	45	30	368,5	345	HLF 260x32-25-5 -R
360	420	386	26	8	M10x1	45	30	388,5	365	HLF 260x40-30-6 -R
360	420	386	26	8	M10x1	45	30	388,5	365	HLF 280x32-25-5 -R
380	440	406	26	8	M10x1	45	30	408,5	385	HLF 280x40-30-6 -R
420	480	446	26	8	M10x1	45	30	448,5	425	HLF 280x55-43-4 -R



LOCATION





c/ Albert Einstein, 33 - 01510 Miñano Mayor (Alava)
Tel. + 34 945 260 739 - Fax. + 34 945 270 575

www.zuazo.net
zuazo@zuazo.net





www.zuazo.net

zuazo@zuazo.net