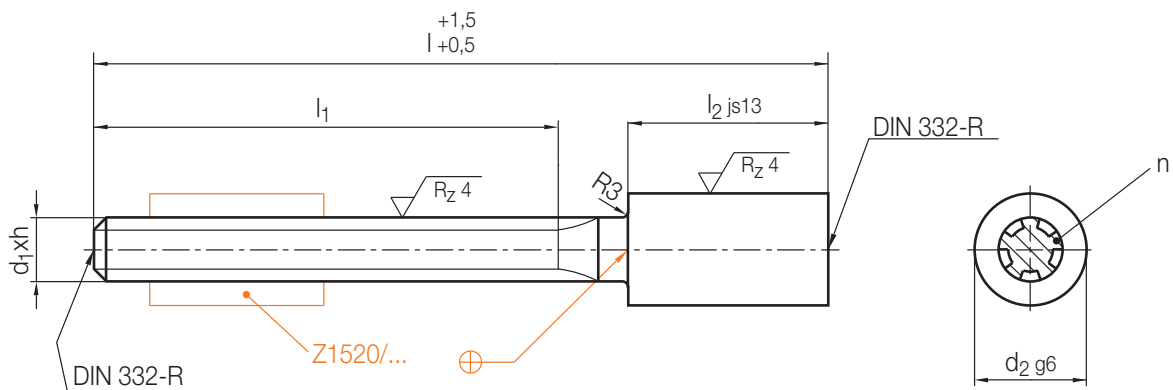


# Z 1500/...

Steilgewindespindel  
Helical spindle  
Tige fileté

Mat.: ≈ 1.0727/980 N/mm<sup>2</sup>



⌚ = Linksgewinde  
Left-Hand thread  
Filetage gauche

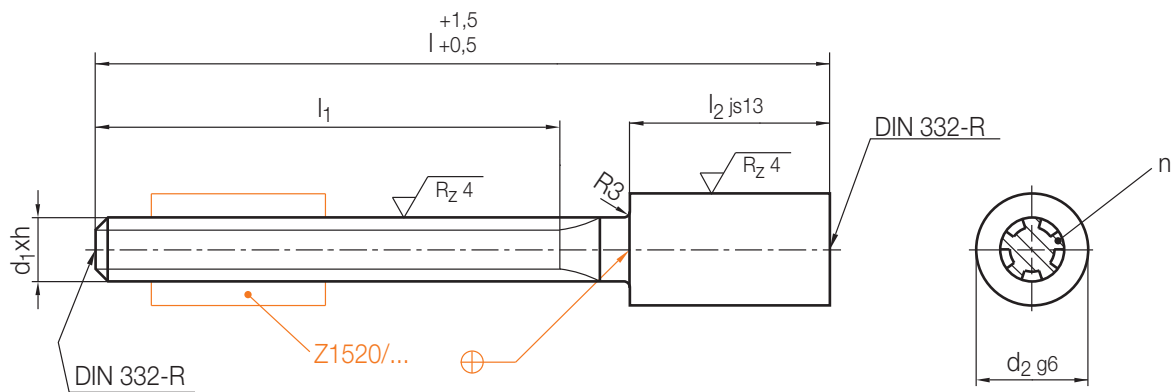
4

n	l <sub>2</sub>	d <sub>2</sub>	l	d <sub>1</sub> x h	⌚	l <sub>1</sub>	Nr./No.	
5	50	28	240	<b>Tr 16 x 50</b>	L	160	Z 1500/16x 50/L/160	
			330				250	
			240	<b>Tr 16 x 63</b>			160	Z 1500/16x 63/L/160
			330					250
6	63	36	345	<b>Tr 20 x 63</b>	L	250		Z 1500/20x 63/L/250
			410					315
7	63	36	345	<b>Tr 20 x 80</b>	L	250	Z 1500/20x 80/L/250	
			410				315	
	63	36	345	<b>Tr 20 x 100</b>	L	250	Z 1500/20x100/L/250	
			410				315	
8	80	45	430	<b>Tr 25 x 80</b>	L	315	Z 1500/25x 80/L/315	
			515				400	
9	80	45	430	<b>Tr 25 x 100</b>	L	315	Z 1500/25x100/L/315	
			515				400	
	80	45	430	<b>Tr 25 x 125</b>	L	315	Z 1500/25x125/L/315	
			515				400	
10	80	45	430	<b>Tr 25 x 160</b>	L	315	Z 1500/25x160/L/315	
			515				400	
9	100	56	490	<b>Tr 32 x 100</b>	L	355	Z 1500/32x100/L/355	
			585				450	
10	100	56	490	<b>Tr 32 x 125</b>	L	355	Z 1500/32x125/L/355	
			585				450	
	100	56	490	<b>Tr 32 x 160</b>	L	355	Z 1500/32x160/L/355	
			585				450	
11	100	56	490	<b>Tr 32 x 200</b>	L	355	Z 1500/32x200/L/355	
			585				450	

Z 1500/...

Steilgewindespindel  
Helical spindle  
Tige filetée

Mat.: ≈ 1.0727/980 N/mm<sup>2</sup>

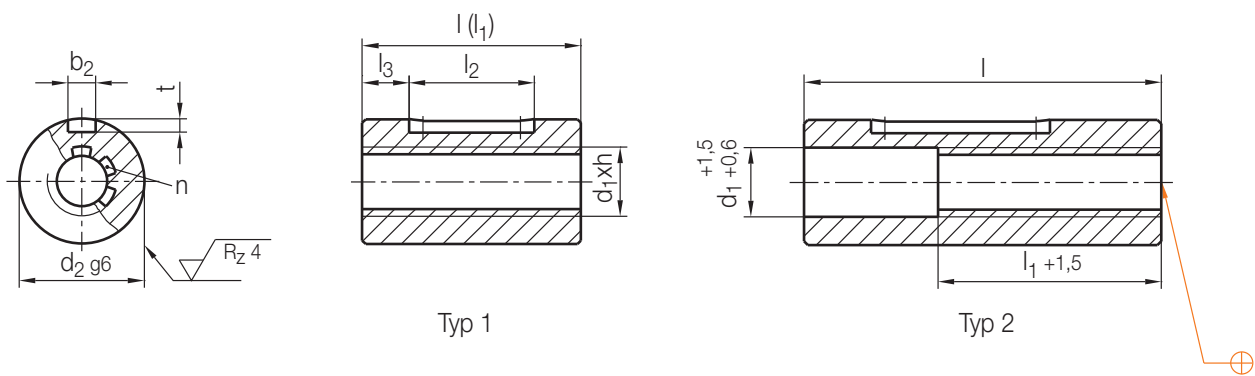
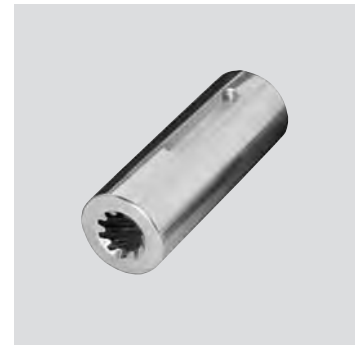


⌚ = Rechtsgewinde  
= Right-Hand thread  
Filetage droit

n	l <sub>2</sub>	d <sub>2</sub>	l	d <sub>1</sub> x h	⌚	l <sub>1</sub>	Nr./No.
5	50	28	240	<b>Tr 16 x 50</b>	<b>R</b>	<b>160</b>	Z 1500/16x 50/R/160
			330				<b>250</b>
			240	<b>Tr 16 x 63</b>		<b>160</b>	Z 1500/16x 63/R/160
			330				<b>250</b>
6	63	36	345	<b>Tr 20 x 63</b>	<b>R</b>	<b>250</b>	Z 1500/20x 63/R/250
			410				<b>315</b>
7	63	36	345	<b>Tr 20 x 80</b>	<b>R</b>	<b>250</b>	Z 1500/20x 80/R/250
			410				<b>315</b>
	63	36	345	<b>Tr 20 x 100</b>	<b>R</b>	<b>250</b>	Z 1500/20x100/R/250
			410				<b>315</b>
8	80	45	430	<b>Tr 25 x 80</b>	<b>R</b>	<b>315</b>	Z 1500/25x 80/R/315
			515				<b>400</b>
9	80	45	430	<b>Tr 25 x 100</b>	<b>R</b>	<b>315</b>	Z 1500/25x100/R/315
			515				<b>400</b>
	80	45	430	<b>Tr 25 x 125</b>	<b>R</b>	<b>315</b>	Z 1500/25x125/R/315
			515				<b>400</b>
10	80	45	430	<b>Tr 25 x 160</b>	<b>R</b>	<b>315</b>	Z 1500/25x160/R/315
			515				<b>400</b>
9	100	56	490	<b>Tr 32 x 100</b>	<b>R</b>	<b>355</b>	Z 1500/32x100/R/355
			585				<b>450</b>
10	100	56	490	<b>Tr 32 x 125</b>	<b>R</b>	<b>355</b>	Z 1500/32x125/R/355
			585				<b>450</b>
	100	56	490	<b>Tr 32 x 160</b>	<b>R</b>	<b>355</b>	Z 1500/32x160/R/355
			585				<b>450</b>
11	100	56	490	<b>Tr 32 x 200</b>	<b>R</b>	<b>355</b>	Z 1500/32x200/R/355
			585				<b>450</b>

Z 1520/...

Steilgewindemutter  
Helical nut  
Ecroû à pas rapide  
Mat.: 2.0550



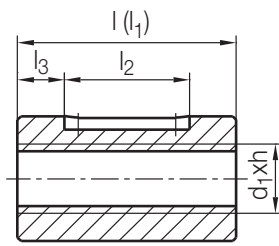
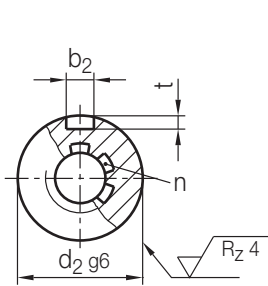
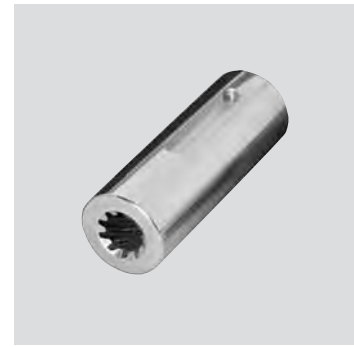
4

⊖ = Linksgewinde  
⊖ = Left-Hand thread  
Filetage gauche

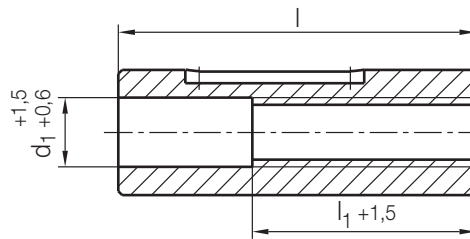
n	t	b <sub>2</sub>	l <sub>3</sub>	l <sub>2</sub>	d <sub>2</sub>	Typ	d <sub>1</sub> x h	⊖	l <sub>1</sub>	I	Nr./No.
5	2,8	6	11	28	28	1	<b>Tr16 x 50</b>	L	50	<b>50</b>	Z 1520/16x 50/L/ 50
			15	40		2				<b>80</b>	50/L/ 80
			11	28		1	<b>Tr16 x 63</b>		<b>50</b>	63/L/ 50	
			15	40		2			<b>80</b>	63/L/ 80	
6	3,8	8	13,5	36	36	1	<b>Tr20 x 63</b>	L	63	<b>63</b>	Z 1520/20x 63/L/ 63
			18	50		2				<b>100</b>	63/L/ 100
			13,5	36		1	<b>Tr20 x 80</b>		<b>63</b>	80/L/ 63	
			18	50		2			<b>100</b>	80/L/ 100	
7	3,8	8	13,5	36	36	1	<b>Tr20 x 100</b>	L	63	<b>63</b>	100/L/ 63
			18	50		2				<b>100</b>	100/L/ 100
			13,5	36		1	<b>Tr20 x 100</b>		<b>63</b>	100/L/ 63	
			18	50		2			<b>100</b>	100/L/ 100	
8	4,8	12	15	50	45	1	<b>Tr25 x 80</b>	L	80	<b>80</b>	Z 1520/25x 80/L/ 80
			20	63		2				<b>125</b>	80/L/ 125
			15	50		1	<b>Tr25 x 100</b>		<b>80</b>	100/L/ 80	
			20	63		2			<b>125</b>	100/L/ 125	
9	4,8	12	15	50	45	1	<b>Tr25 x 125</b>	L	80	<b>80</b>	125/L/ 80
			20	63		2				<b>125</b>	125/L/ 125
			15	50		1	<b>Tr25 x 160</b>		<b>80</b>	160/L/ 80	
			20	63		2			<b>125</b>	160/L/ 125	
10	4,8	12	15	50	45	1	<b>Tr25 x 160</b>	L	80	<b>80</b>	160/L/ 80
			20	63		2				<b>125</b>	160/L/ 125
			18,5	63		1	<b>Tr32 x 100</b>		<b>100</b>	Z 1520/32x 100/L/ 100	
			25	80		2			<b>160</b>	100/L/ 160	
10	5,5	14	18,5	63	56	1	<b>Tr32 x 125</b>	L	100	<b>100</b>	125/L/ 100
			25	80		2				<b>160</b>	125/L/ 160
			18,5	63		1	<b>Tr32 x 160</b>		<b>100</b>	160/L/ 100	
			25	80		2			<b>160</b>	160/L/ 160	
11	5,5	14	18,5	63	56	1	<b>Tr32 x 200</b>	L	100	<b>100</b>	200/L/ 100
			25	80		2				<b>160</b>	200/L/ 160

Z 1520/...

Steilgewindemutter  
Helical nut  
Ecroû à pas rapide  
Mat.: 2.0550



Typ 1



Typ 2

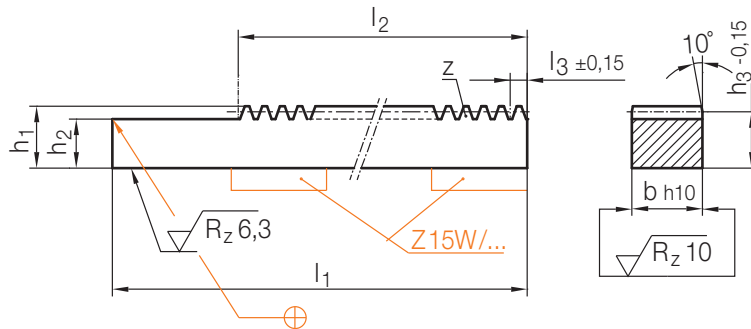
⌚ = Rechtsgewinde  
= Right-Hand thread  
Filetage droit

n	t	b <sub>2</sub>	l <sub>3</sub>	l <sub>2</sub>	d <sub>2</sub>	Typ	d <sub>1</sub> x h	⌚	l <sub>1</sub>	l	Nr./No.	
5	2,8	6	11	28	28	1	<b>Tr 16 x 50</b>	R	50	80	Z 1520/16x 50/R/ 50	
				40		2						50/R/ 80
			15	28		1	<b>Tr 16 x 63</b>		50	80	63/R/ 50	
				40		2			63/R/ 80			
6	3,8	8	13,5	36	36	1	<b>Tr 20 x 63</b>	R	63	100	Z 1520/20x 63/R/ 63	
				50		2						63/R/ 100
			18	36		1	<b>Tr 20 x 80</b>		63	100	80/R/ 63	
				50		2			80/R/ 100			
7			13,5	36	36	1	<b>Tr 20 x 100</b>	R	63	100	100/R/ 63	
				50		2						100/R/ 100
			18	36		1	<b>Tr 20 x 100</b>		63	100	100/R/ 63	
				50		2			100/R/ 100			
8	4,8	12	15	50	45	1	<b>Tr 25 x 80</b>	R	80	125	Z 1520/25x 80/R/ 80	
				63		2						80/R/ 125
			20	50		1	<b>Tr 25 x 100</b>		80	125	100/R/ 80	
				63		2			100/R/ 125			
9			15	50	45	1	<b>Tr 25 x 125</b>	R	80	125	125/R/ 80	
				63		2						125/R/ 125
			20	50		1	<b>Tr 25 x 160</b>		80	125	125/R/ 125	
				63		2			160/R/ 80			
10			15	50	45	1	<b>Tr 25 x 160</b>	R	80	125	160/R/ 80	
				63		2						160/R/ 125
			18,5	63		1	<b>Tr 32 x 100</b>		R	100	160	Z 1520/32x 100/R/ 100
				80		2						
25	63	1	<b>Tr 32 x 125</b>	100	160	125/R/ 100						
	80	2		125/R/ 160								
10			18,5	63	56	1	<b>Tr 32 x 160</b>	R	100	160	160/R/ 100	
				80		2						160/R/ 160
			25	63		1	<b>Tr 32 x 200</b>		100	160	200/R/ 100	
				80		2			200/R/ 160			
11			18,5	63	56	1	<b>Tr 32 x 200</b>	R	100	160	200/R/ 100	
			25	80		2						200/R/ 160

# Z 1540/...

Zahnstange  
Rack  
Crémaillère

Mat.: 1.7225/1080 N/mm<sup>2</sup>



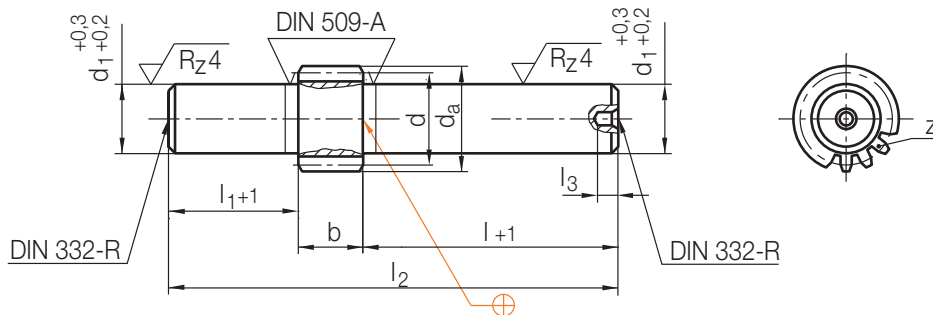
4

\*m = Modul / Module / Module  
\*\*z = Zähnezah/Number of teeth /  
Nobre de dents

h <sub>2</sub>	l <sub>2</sub>	l <sub>3</sub>	h <sub>1</sub>	h <sub>3</sub>	**z	b	l <sub>1</sub>	Tol. l <sub>1</sub>	*m	Nr./No.
11,2	282,5	2,9	13,5	12,5	90	16	315	+ 0,5	1	Z 1540/16x 315/1
	367,7				400		400/1			
	467,9				500		500/1			
	596,7				630		630/1			
	757,7				800		800/1,25			
14,4	361,1	3,7	17,25	16	92	18	400	+ 1	1,25	Z 1540/18x 400/1,25
	459,3				500		500/1,25			
	588,8				630		630/1,25			
	757,7				800		800/1,25			
	935,9				1000		1000/2			
16,1	447,5	4,5	19,5	18	95	20	500	+ 1	1,5	Z 1540/20x 500/1,5
	579,4				630		630/1,5			
	749,1				800		800/1,5			
	935,9				1000		1000/2			
17,5	565,2	6	22	20	90	25	630	+ 1	2	Z 1540/25x 630/2
	734,9				800		800/2			
	935,9				1000		1000/2			
	1170				1250		1250/2,5			
21,8	722,3	7,6	27,5	25	92	28	800	+ 1	2,5	Z 1540/28x 800/2,5
	918,7				1000		1000/2,5			
	1170				1250		1250/2,5			
	1490				1800		1800/3			

Z 1550/...

Gewindekern  
 Threaded core blank  
 Ebauche de noyau fileté  
 Mat.: 1.2767/830 N/mm<sup>2</sup>



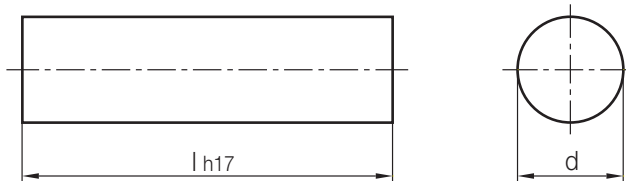
\*m = Modul / Module / Module  
 \*\*z = Zähnezahl / Number of teeth /  
 Nombre de dents

l <sub>3</sub>	l <sub>1</sub>	b	l <sub>2</sub>	d <sub>a</sub>	d	d <sub>1</sub>	l	**z	*m	Nr./No.
4	45	16,5	186,5	16	14	<b>10,5</b>	<b>125</b>	<b>14</b>	<b>1</b>	Z 1550/10,5x125/14/1
				18	16	<b>13</b>		16		13 x125/16/1
				19	17	<b>14</b>		17		14 x125/17/1
				20	18	<b>15</b>		18		15 x125/18/1
				21	19	<b>16</b>		19		16 x125/19/1
				23	21	<b>18</b>		21		18 x125/21/1
4,5	50	18,5	208,5	20	17,5	<b>14</b>	<b>140</b>	<b>14</b>	<b>1,25</b>	Z 1550/14 x140/14/1,25
				21,25	18,75	<b>15</b>		15		15 x140/15/1,25
				22,5	20	<b>16</b>		16		16 x140/16/1,25
				25	22,5	<b>18</b>		18		18 x140/18/1,25
				27,5	25	<b>21</b>		20		21 x140/20/1,25
				30	27,5	<b>23</b>		22		23 x140/22/1,25
6	63	20,5	263,5	25,5	22,5	<b>18</b>	<b>180</b>	<b>15</b>	<b>1,5</b>	Z 1550/18 x180/15/1,5
				28,5	25,5	<b>21</b>		17		21 x180/17/1,5
				31,5	28,5	<b>23</b>		19		23 x180/19/1,5
				33	30	<b>25</b>		20		25 x180/20/1,5
				36	33	<b>28</b>		22		28 x180/22/1,5
				42	39	<b>34</b>		26		34 x180/26/1,5
7	71	26	321	38	34	<b>28</b>	<b>224</b>	<b>17</b>	<b>2</b>	Z 1550/28 x224/17/2
				44	40	<b>34</b>		20		34 x224/20/2
				48	44	<b>38</b>		22		38 x224/22/2
				56	52	<b>45</b>		26		45 x224/26/2
				60	56	<b>50</b>		28		50 x224/28/2
				66	62	<b>56</b>		31		56 x224/31/2
8	80	29	359	50	45	<b>38</b>	<b>250</b>	<b>18</b>	<b>2,5</b>	Z 1550/38 x250/18/2,5
				57,5	52,5	<b>45</b>		21		45 x250/21/2,5
				62,5	57,5	<b>50</b>		23		50 x250/23/2,5
				70	65	<b>56</b>		26		56 x250/26/2,5
				75	70	<b>63</b>		28		63 x250/28/2,5
				85	80	<b>71</b>		32		71 x250/32/2,5

### Z 1552/...

Leitgewindebuchsen-Rohling  
 Pilot thread bushing, blank  
 Ebauche pour patron à filet

Mat.: 2.0550



d	Tol. d	l	Nr./No.
25	h 12	315	Z 1552/25x315
32			32x315
40			40x250
50		250	50x250

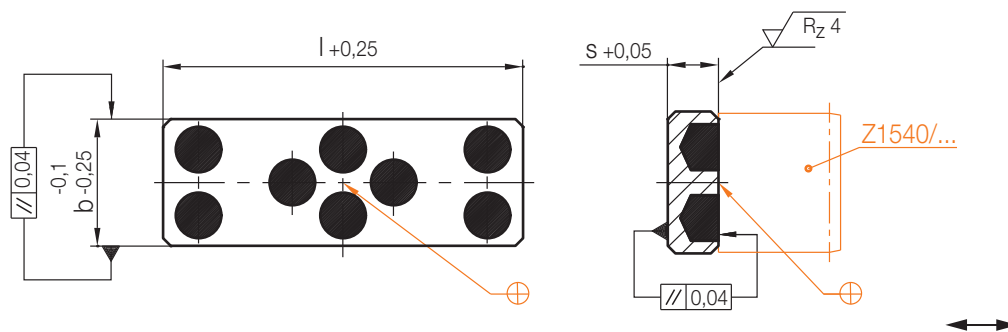
d	Tol. d	l	Nr./No.
60	js 16	200	Z 1552/ 60x200
75			75x200
90	js 17	160	90x160
100			100x160

4

### Z 15W/...

Flachgleitlager, selbstschmierend  
 Slide plate, self-lubricating  
 Palier lisse plat, autolubrifiante

Mat.: 2.0492  
 max. °C: 200



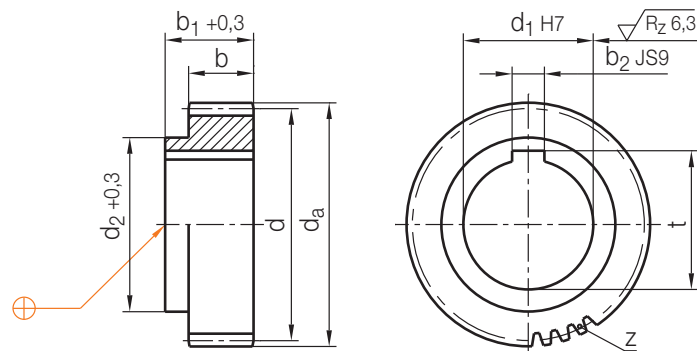
b	s	l	Nr./No.
16	8	40	Z 15W/16x 8x40
18		50	18x 8x50
20	10	63	20x 10x63

b	s	l	Nr./No.
25	10	71	Z 15W/25x 10x71
28		80	28x 10x80

Z 1553/...

Stirnrad  
Gear wheel  
Engrenage

Mat.: 1.0503 / 690 N/mm<sup>2</sup>



\*m = Modul / Module / Module  
\*\*z = Zähnezahl / Number of teeth /  
Nobre de dents

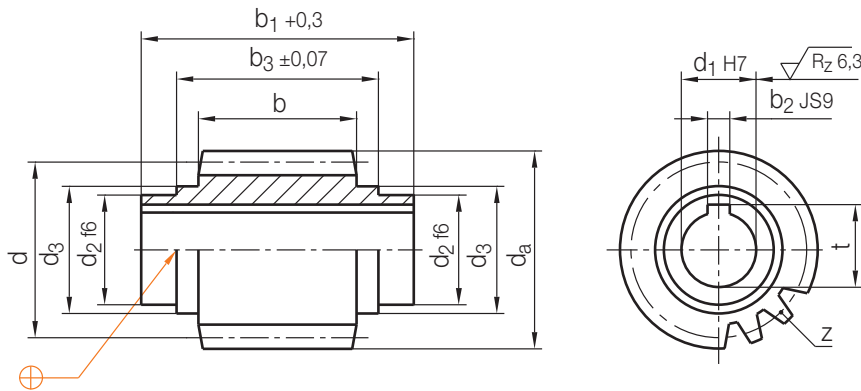
b <sub>2</sub>	t	b <sub>1</sub>	d <sub>2</sub>	d <sub>a</sub>	d	d <sub>1</sub>	b	** z	* m	Nr./No.
6	31,5	22	40	47	45	28	16	45	1	Z 1553/28/16/45/1
				52	50			50		28/16/50/1
				57	55			55		28/16/55/1
				62	60			60		28/16/60/1
8	39,5	25	50	57	55	36	18	55	1,25	Z 1553/36/18/55/1,25
				62	60			60		36/18/60/1,25
				72	70			70		36/18/70/1,25
6	31,5	25	40	58,75	56,25	28	18	45	1,25	Z 1553/28/18/45/1,25
				65	62,5			50		28/18/50/1,25
				58,75	56,25			45		36/18/45/1,25
				65	62,5			50		36/18/50/1,25
				71,25	68,75			55		36/18/55/1,25
				77,5	75			60		36/18/60/1,25
12	48,5	28	50	90	87,5	36	20	70	1,5	Z 1553/36/20/70/1,5
				71,25	68,75			45		45/18/55/1,25
				77,5	75			60		45/18/60/1,25
				90	87,5			70		45/18/70/1,25
8	39,5	28	50	70,5	67,5	36	20	45	1,5	Z 1553/36/20/45/1,5
				78	75			50		36/20/50/1,5
				85,5	82,5			55		36/20/55/1,5
				70,5	67,5			45		45/20/45/1,5
				78	75			50		45/20/50/1,5
				85,5	82,5			55		45/20/55/1,5
				93	90			60		45/20/60/1,5
				108	105			70		45/20/70/1,5
14	59,8	34	63	85,5	82,5	45	25	55	2	Z 1553/45/25/40/2
				93	90			45		45/25/45/2
				108	105			50		45/25/50/2
				114	110			55		45/25/55/2
14	59,8	34	63	94	90	56	25	45	2,5	Z 1553/56/25/40/2,5
				104	100			45		56/25/45/2
				114	110			50		56/25/50/2
				124	120			55		56/25/55/2
				144	140			60		56/25/60/2
				155	150			70		56/25/70/2
14	59,8	38	75	105	100	56	28	40	2,5	Z 1553/56/28/40/2,5
				117,5	112,5			45		56/28/45/2,5
				130	125			50		56/28/50/2,5
				142,5	137,5			55		56/28/55/2,5
				155	150			60		56/28/60/2,5
				180	175			70		56/28/70/2,5



# Z 1555 / ...

Zwischenrad  
Intermediate gear wheel  
Engrenage intermédiaire

Mat.: 1.0503 / 690 N/mm<sup>2</sup>



\*m = Modul / Module / Module  
\*\*z = Zähnezahl / Number of teeth /  
Nobre de dents

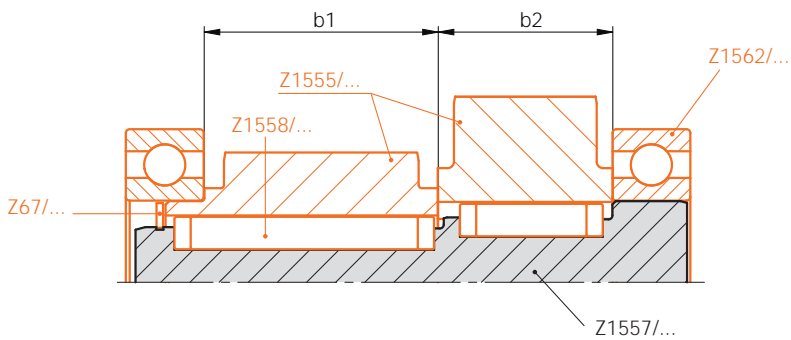
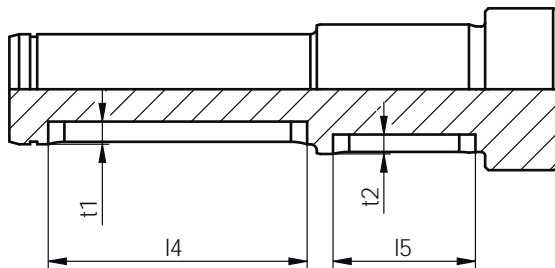
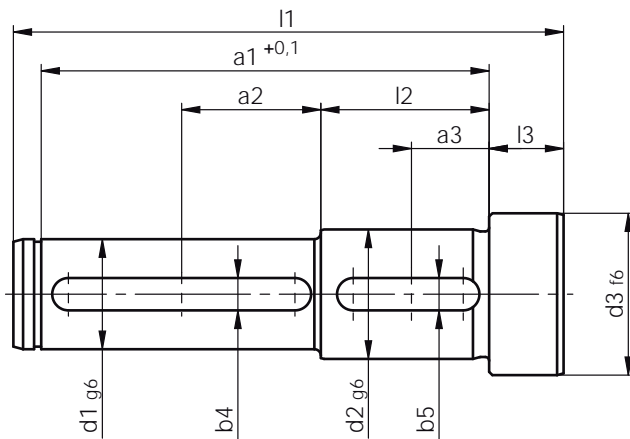
4

b <sub>2</sub>	t	b <sub>1</sub>	b <sub>3</sub>	d <sub>2</sub>	d <sub>3</sub>	d <sub>a</sub>	d	d <sub>1</sub>	b	**z	*m	Nr./No.
3	8,2	37	27	12	14	19	17	7	22	17	1	Z 1555/ 7/22/17/1
					14,5	20	18					7/22/18/1
	10,2			15	17,2	22	20	9				9/22/20/1
4	11,7	37	27	17	20	27	25	10	22	25	1	10/22/25/1
	13,8			20	23,5	32	30	12				12/22/30/1
18,8	25			29	37	35	17	17/22/35/1				
5	18,8	37	27	25	29	37	35	17	22	35	1	17/22/35/1
						42	40					17/22/40/1
3	10,2			48	36	15	16,9	22,5				20
17,5	23,75	21,25	9/30/17/1,25									
25	22,5	22,5	18			9/30/18/1,25						
4	11,7	48	36	17	20	27,5	25	10	30	20	1,25	10/30/20/1,25
	13,8				20	23,5	33,75	31,25				12
18,8	25			29	40	37,5	17	17/30/30/1,25				
5	18,8	48	36	25	29	40	37,5	17	30	30	1,25	17/30/30/1,25
						46,25	43,75					17/30/35/1,25
52,5	50			40	17/30/40/1,25							
4	11,7	48	36	17	20	27	24	10	30	16	1,5	Z 1555/ 10/30/16/1,5
						30	27					18
13,8	20			23,5	33	30	12	12/30/20/1,5				
5	18,8	48	36	25	29	40,5	37,5	17	30	25	1,5	17/30/25/1,5
						48	45					20
22,3	30			35	55,5	52,5	35	20/30/35/1,5				
63	60	40	20/30/40/1,5									
4	13,8	60	46	20	23,4	36	32	12	36	16	2	Z 1555/ 12/36/16/2
						25	29,3					40
44	40			20	17/36/20/2							
5	18,8	60	46	30	35	54	50	20	36	25	2	20/36/25/2
						64	60					25
74	70			35	25/36/35/2							
6	27,5	60	46	35	40	64	60	25	36	35	2,5	Z 1555/ 17/36/16/2,5
						74	70					18
20	20			20	20/36/20/2,5							
5	18,8	62	46	25	29	45	40	17	36	16	2,5	20/36/20/2,5
						50	45					20
55	50			20	20/36/20/2,5							
6	27,5	62	46	35	40	67,5	62,5	25	36	25	2,5	25/36/25/2,5
						80	75					30
92,5	87,5			35	25/36/35/2,5							

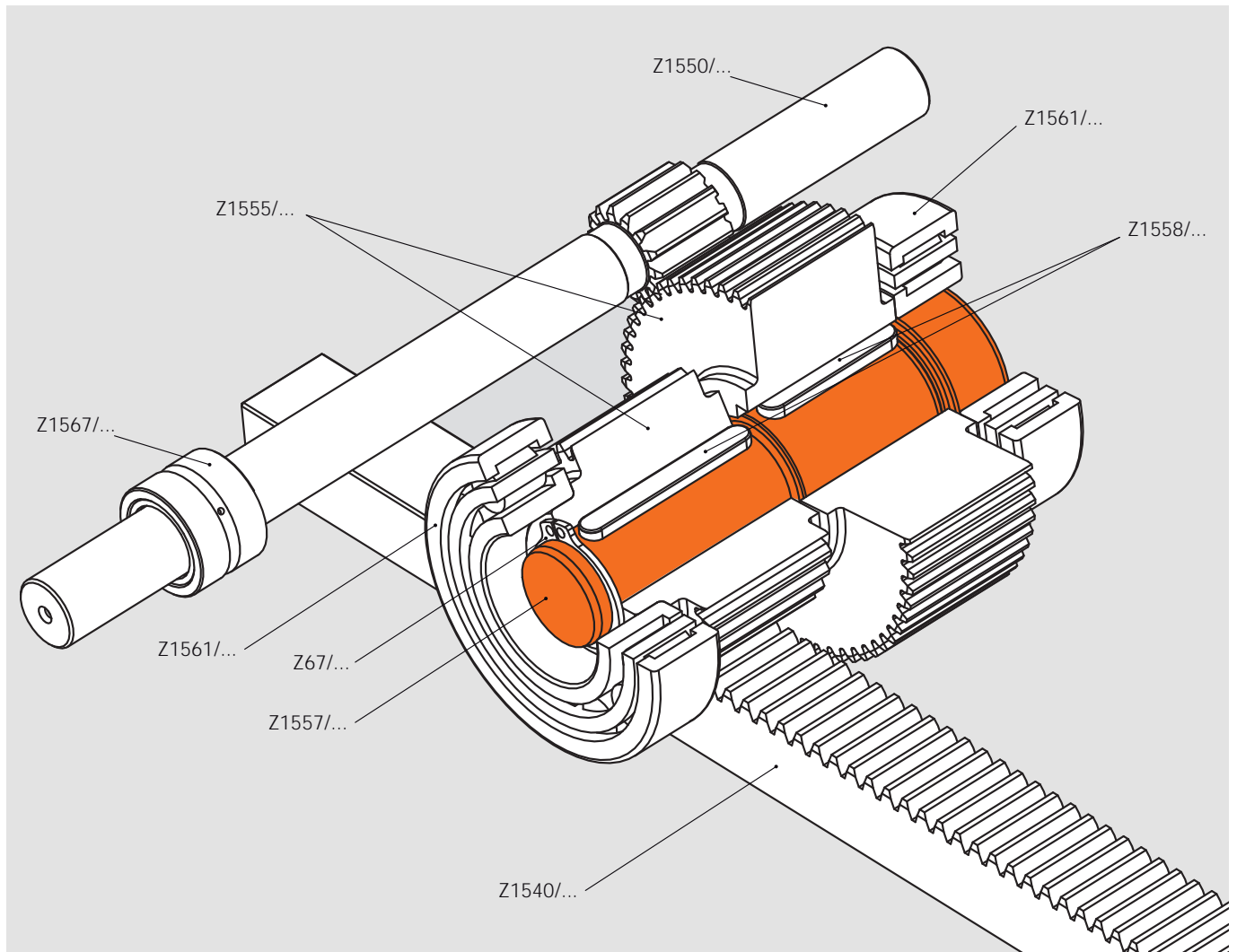
# Z 1557/...

Getriebewelle  
Transmission shaft  
Arbre de transmission

Mat.: 1.7131/600+50 HV30



t2	t1	b5	b4	a3	a2	a1	l5	l4	l3	l2	l1	d3	d1	b1	d2	b2	Nr./No.						
3,5	2,5	5	4	17	21,5	78,2	32	40	11,5	35	94	20	10	36	17	36	Z 1557/ 10x36x17x36						
3	3,5		5	12,5		69,2				22							26	85	25	17	20	27	17x36x20x27
			17			78,2				32							35	94				36	36x20x36
					27	89,2		50			105			46			46x20x36						
3,8	3	6			21,5	78,2		40	12,5		96	30	20	36	25		20x36x25x36						
					27	89,2		50			107			46			46x25x36						
					22	27,5	100,2	40		45	118				46		46x25x46						
2,8	3,8		6						13,5		119	35	25		28		25x46x28x46						



Durch den Einsatz der Getriebewelle wird eine Vielzahl von Übersetzungsmöglichkeiten zur Gestaltung von individuellen Getriebeanwendungen zum mechanischen Ausdrehen von Gewindekernen ermöglicht.

Mit der Getriebewelle Z1557/... lassen sich individuelle Modulsprünge einfach realisieren. Die Durchmesser der Welle sind auf die Zwischenräder Z1555/... und auf die Zylinderrollenlager Z1561/... abgestimmt.

Die Ausstattung der gehärteten Welle mit standardisierten Passfedernuten erlaubt einen schnellen Einsatz ohne Anpassungsarbeiten.

Using the gear shaft, a large number of gear ratios can be achieved when designing individual gear applications for mechanically unscrewing threaded cores.

With the gear shaft Z1557/..., the steps between the individual modules can be readily implemented. The shaft diameters are coordinated with intermediate gear wheels Z1555/... and cylindrical roller bearings Z1561/...

The hardened shaft is equipped with standardised parallel keys, permitting rapid deployment with no need for adjustments.

L'arbre de transmission offre au constructeur un grand nombre de possibilités de démultiplications pour réaliser des applications individuelles d'engrenages pour l'alésage mécanique de noyaux de filet.

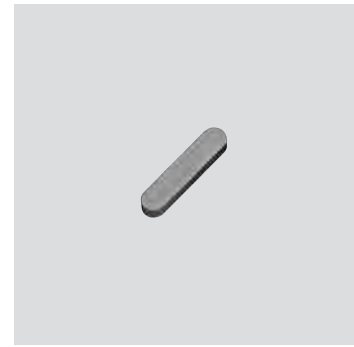
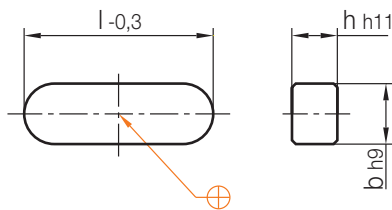
Grâce à l'arbre de transmission Z1557/... les écarts de modules individuels sont faciles à réaliser. Les diamètres de l'arbre sont adaptés aux engrenages intermédiaires Z1555/... et aux roulements à cylindres Z1561/...

L'arbre lui-même est renforcé et doté de rainures de clavette, ce qui permet une utilisation rapide sans travaux d'ajustement.

### Z 1558/...

Passfeder  
Parallel key  
Ressort d'ajustage

DIN 6885 -1



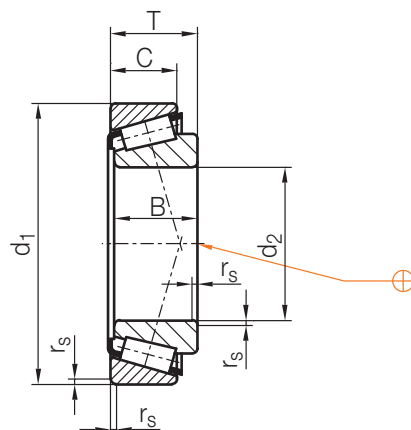
	b	h	l	Nr./No.
10	3	3	25	Z 1558/3x3x25
			32	32
			40	40
	4	4	25	Z 1558/4x4x25
			32	32
			40	40
			50	50
	5	5	14	Z 1558/5x5x14
			25	25
			32	32
			40	40
			50	50
6	6	20	Z 1558/6x6x20	
		28	28	
		40	40	
		50	50	

	b	h	l	Nr./No.
10	8	5	18	Z 1558/ 8x5x18
			34	34
			40	40
	8	7	22	Z 1558/ 8x7x22
			36	36
			50	50
10	6	40	Z 1558/10x6x40	
		45	45	
		50	50	
		60	60	
		65	65	
12	8	25	Z 1558/12x8x25	
		50	50	
		63	63	
14	9	32	Z 1558/14x9x32	
		63	63	
		80	80	

### Z 1560/...

Kegelrollenlager  
Taper roller bearing  
Roulement à rouleaux coniques

DIN 720/DIN ISO 355



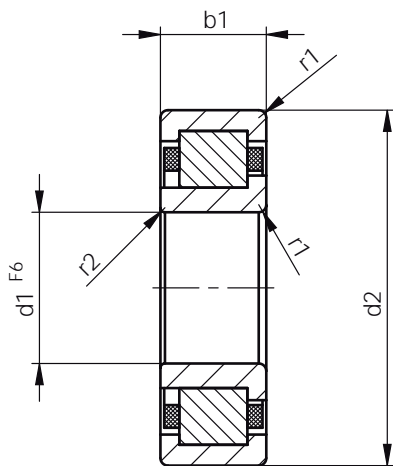
rs	B	C	T	d <sub>1</sub>	d <sub>2</sub>	Nr./No.
0,6	15	11,5	15	44	22	Z 1560/44/22
1	14	12	15,25	47	20	47/20
0,6	15	11,5	15	47	25	47/25
1	16	12	16	52	28	52/28
	17	13	17	55	30	55/30
				58	32	58/32
	18	14	18	62	35	62/35

rs	B	C	T	d <sub>1</sub>	d <sub>2</sub>	Nr./No.
1	19	14,5	19	68	40	Z 1560/ 68/40
	20	15,5	20	75	45	75/45
				80	50	80/50
1,5	23	17,5	23	90	55	90/55
				95	60	95/60
				100	65	100/65
				110	70	110/70

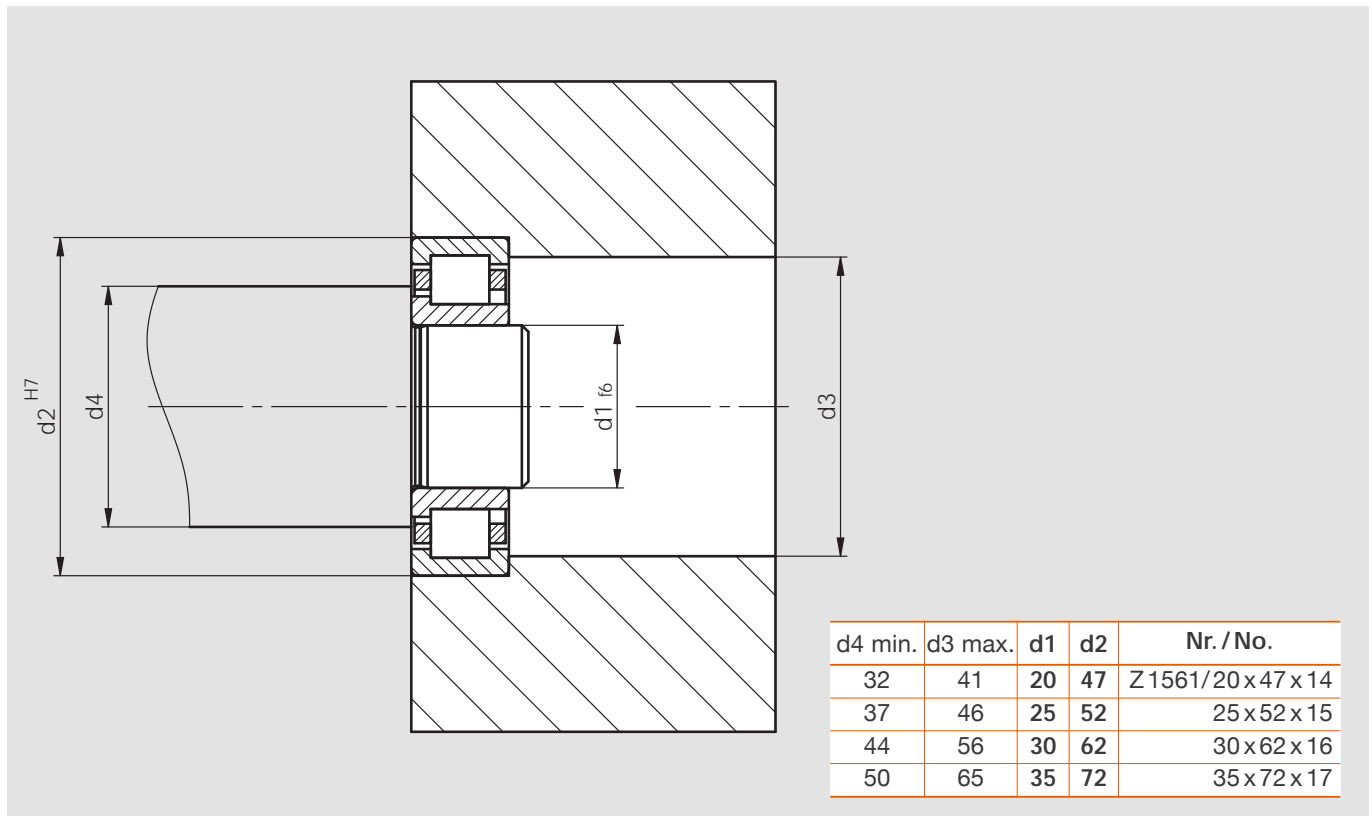
# Z 1561/...

Zylinderrollenlager  
Cylindrical roller bearing  
Roulement à cylindres

DIN 5412-1



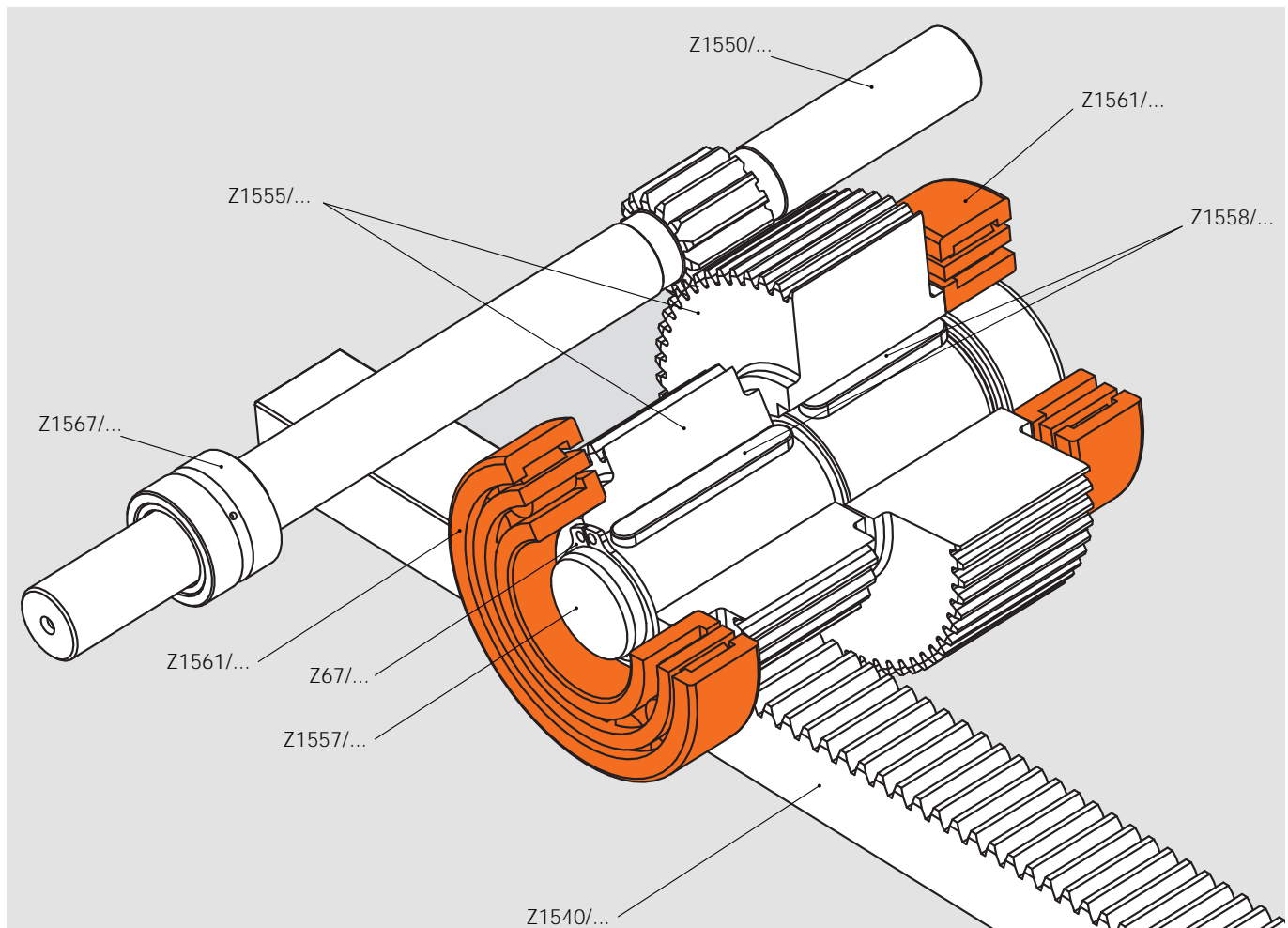
r2	r1	b2	d1	d2	b1	Nr./No.
0,6	1	9	20	47	14	Z 1561/20x47x14
			25	52	15	25x52x15
		10	30	62	16	30x62x16
			35	72	17	35x72x17



Einbaubeispiel

Mounting example

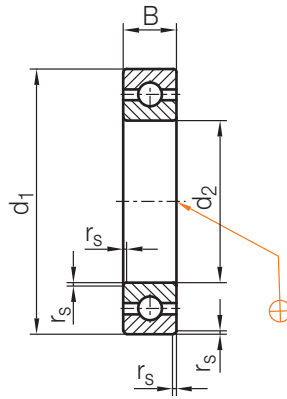
Exemple de montage



### Z 1562/...

Rillenkugellager  
Grooved ball bearing  
Roulement à bille rainuré

DIN 625 -1



$r_s$	B	$d_1$	$d_2$	Nr./No.	
0,3	6	<b>19</b>	<b>6</b>	Z 1562/19/ 6	
			<b>7</b>	19/ 7	
	7	<b>22</b>	<b>8</b>	<b>8</b>	22/ 8
				<b>9</b>	26/ 9
	8	<b>26</b>	<b>9</b>	<b>10</b>	26/10
				<b>12</b>	28/12
9	<b>32</b>	<b>15</b>	<b>15</b>	32/15	
			<b>17</b>	35/17	
0,6	12	<b>42</b>	<b>20</b>	42/20	

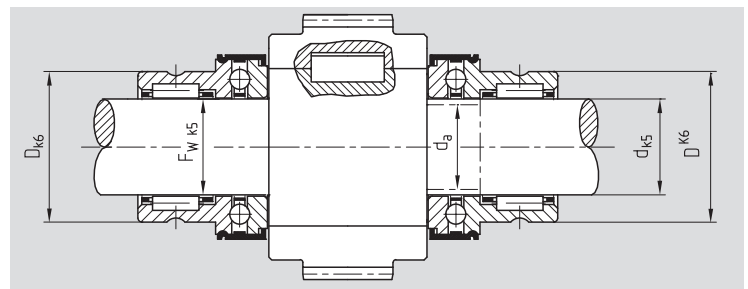
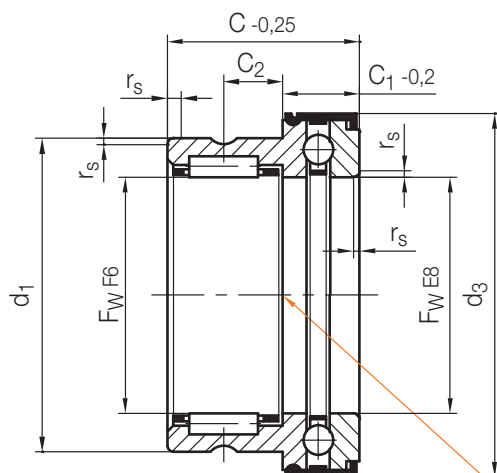
$r_s$	B	$d_1$	$d_2$	Nr./No.
0,6	12	<b>47</b>	<b>25</b>	Z 1562/ 47/25
1	13	<b>55</b>	<b>30</b>	55/30
		<b>62</b>	<b>35</b>	62/35
		<b>68</b>	<b>40</b>	68/40
		<b>75</b>	<b>45</b>	75/45
1,1	18	<b>80</b>	<b>50</b>	80/50
		<b>90</b>	<b>55</b>	90/55
		<b>95</b>	<b>60</b>	95/60
		<b>100</b>	<b>65</b>	100/65

4

### Z 1564/...

Nadel-Axial-Kugellager  
Needle-thrust ball bearing  
Roulement à aiguilles, à billes butées

DIN 5429 -1



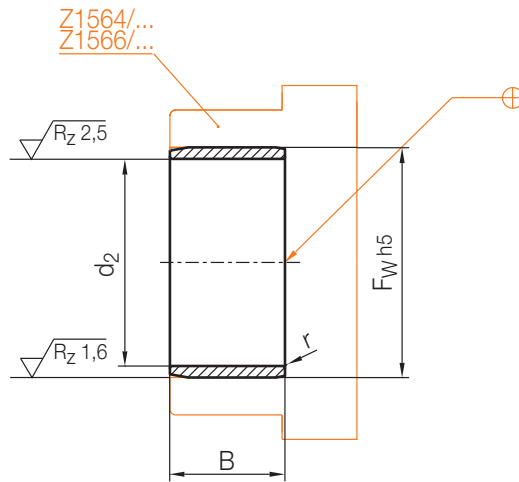
$r_s$	$C_2$	$C_1$	C	$d_3$	$d_1$	$F_w$	Nr./No.
0,3	6,5	9	23	25,2	<b>19</b>	<b>10</b>	Z 1564/19/10
				27,2	<b>21</b>	<b>12</b>	21/12
				29,2	<b>24</b>	<b>15</b>	24/15
	8	10	30	31,2	<b>26</b>	<b>17</b>	26/17
				36,2	<b>30</b>	<b>20</b>	30/20
	0,6	9,5	11	30	43,2	<b>37</b>	<b>25</b>
48,2					<b>42</b>	<b>30</b>	42/30

$r_s$	$C_2$	$C_1$	C	$d_3$	$d_1$	$F_w$	Nr./No.
0,6	9	12	30	53,2	<b>47</b>	<b>35</b>	Z 1564/47/35
				61,2	<b>52</b>	<b>40</b>	52/40
	10	14	35	66,5	<b>58</b>	<b>45</b>	58/45
				71,5	<b>62</b>	<b>50</b>	62/50
1	12	17	40	86,5	<b>72</b>	<b>60</b>	72/60
				96,5	<b>85</b>	<b>70</b>	85/70

Z 1565/...

Nadellager-Innenring  
Thrust ring  
Bague intérieure du roulement à aiguilles

Mat.: 1.3505 / 58 ± 4 HRC



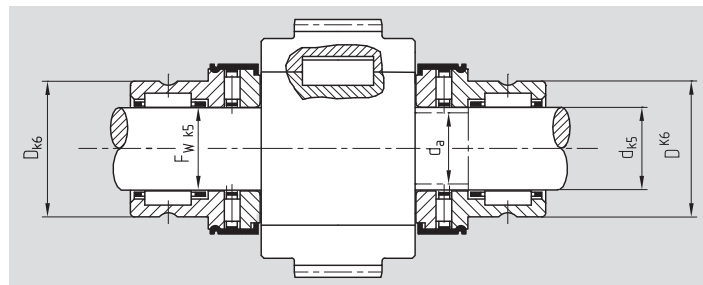
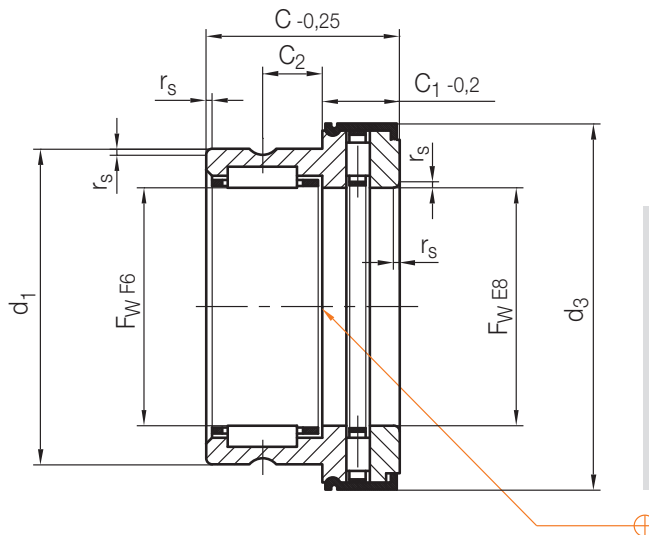
r	d <sub>2</sub>	Tol.	F <sub>w</sub>	B	Nr./No.
0,3	<b>7</b>	-0,008	<b>10</b>	<b>16</b>	Z 1565/ 7x10x16
	<b>9</b>		<b>12</b>		9x12x16
	<b>12</b>		<b>15</b>		12x15x16
	<b>14</b>		<b>17</b>		14x17x17
	<b>17</b>		<b>20</b>		17x20x20
	<b>20</b>	-0,01	<b>25</b>	<b>20</b>	20x25x20
<b>25</b>	<b>30</b>		25x30x20		

r	d <sub>2</sub>	Tol.	F <sub>w</sub>	B	Nr./No.
0,3	<b>30</b>	-0,012	<b>35</b>	<b>20</b>	Z 1565/ 30x35x20
	<b>35</b>		<b>40</b>		35x40x20
	<b>40</b>		<b>45</b>		40x45x20
	<b>45</b>		<b>50</b>		45x50x25
0,6	<b>45</b>	-0,015	<b>60</b>	<b>25</b>	50x60x25
1	<b>50</b>		<b>70</b>		60x70x25
	<b>60</b>				

Z 1566/...

Nadel-Axial-Zylinderrollenlager  
Needle-thrust roller bearing  
Roulement à aiguilles avec butée de roulement à cylindres

DIN 5429 -1



r <sub>s</sub>	C <sub>2</sub>	C <sub>1</sub>	C	d <sub>3</sub>	d <sub>1</sub>	F <sub>w</sub>	Nr./No.
0,3	6,5	9	23	29,2	<b>24</b>	<b>15</b>	Z 1566/24/15
				31,2	<b>26</b>	<b>17</b>	26/17
	10,5	10	30	36,2	<b>30</b>	<b>20</b>	30/20
0,6	9,5	11		43,2	<b>37</b>	<b>25</b>	37/25
				48,2	<b>42</b>	<b>30</b>	42/30

r <sub>s</sub>	C <sub>2</sub>	C <sub>1</sub>	C	d <sub>3</sub>	d <sub>1</sub>	F <sub>w</sub>	Nr./No.
0,6	9	12	30	53,2	<b>47</b>	<b>35</b>	Z 1566/47/35
				61,2	<b>52</b>	<b>40</b>	52/40
	9	14	35	66,5	<b>58</b>	<b>45</b>	58/45
	71,5			<b>62</b>	<b>50</b>	62/50	