



OKROGLA VODILA
ROUND GUIDES
3.010.0



VZDOLŽNE PODPORE OKROGLIH VODIL
LINEAR SUPORT GUIDES
3.020.0



LINEARNI KROGLJIČNI LEŽAJI
LINEAR BEARINGS
3.030.0



LINEARNI LEŽAJI V OHIŠJU
CASE BEARINGS
3.050.0



ALUMINIJASTA OKROGLA VODILA
ALUMINIUM ROUND GUIDES
3.070.0



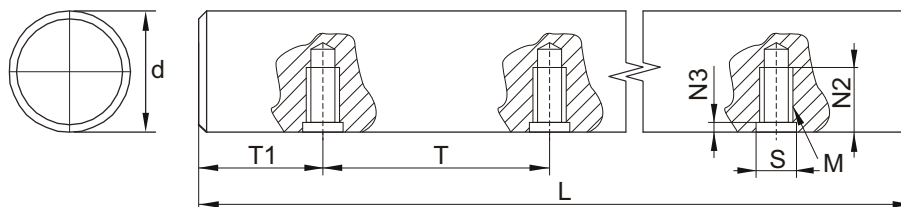
LINEARNI DRSNi LEŽAJI
LINEAR GLIDE BEARINGS
3.075.0

TEHNIČNE KARAKTERISTIKE / TECHNICAL PROPERTIES

POVRŠINSKO KALJENA, KROMIRANA IN BRUŠENA VODILA
SURFACE HARDENED CROMED AND GROUND SHAFTS

MATERIAL / STEEL GRADE	W. Nr. 1.1213 DIN CF53	WV. Nr. 1.1213 DIN CF53	WKA. Nr. 1.4112 DIN X90CrMoV18	WKB. Nr. 1.4034 DIN X46Cr13
TOLERANCA / TOLERANCE	h7	h7	h7	h7
POVRŠINSKA TRDOTA / SURFACE HARDNESS	min 59 HRC	min 59 HRC	min 54 HRC	min 52 HRC
GLOBINA Cr. POVRŠINE / CHROME THICKNESS	/	10 µm	/	/

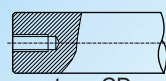
PRIMERI OBDELAV / MACHINING OPTIONS



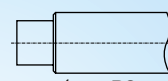
primer: vertikalno obdelana gred tip RD
example: vertical shaft machining type RD

TIP PODPORE SUPPORT TYPE	DIMENZIJE / DIMENSIONS (mm)							
	d	L	T	T1	M	N2	N3	S
LS 12 - 75 mm	12	6000	75	37,5	M4	7	2	5
LS 12 - 120 mm	12	6000	120	60	M4	7	2	5
LS 16 - 100 mm	16	6000	100	37,5	M5	9	2,5	6
LS 16 - 150 mm	16	6000	150	50	M5	9	2,5	6
LS 20 - 100 mm	20	6000	100	37,5	M6	11	3	7
LS 20 - 150 mm	20	6000	150	50	M6	11	3	7
LS 25 - 120 mm	25	6000	120	37,5	M8	15	3	9
LS 25 - 200 mm	25	6000	200	60	M8	15	3	9
LS 30 - 120 mm	30	6000	120	50	M10	17	3,5	11
LS 30 - 200 mm	30	6000	200	75	M10	17	3,5	11
LS 40 - 200 mm	40	6000	200	75	M10	19	4	11
LS 40 - 300 mm	40	6000	300	100	M10	19	4	11
LS 50 - 200 mm	50	6000	200	75	M10	19	4	11
LS 50 - 300 mm	50	6000	300	100	M12	21	4	13

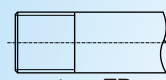
Primeri obdelav / Machining options *



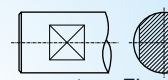
type CD



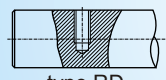
type RS



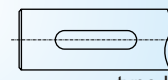
type TR



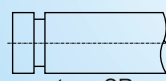
type FL



type RD



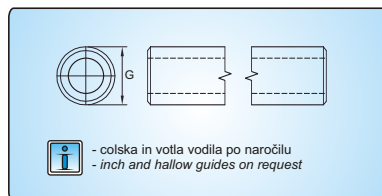
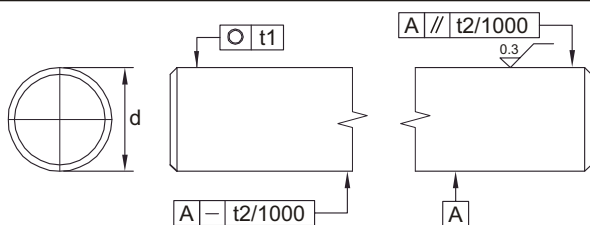
type KW



type SR

Nudimo CNC strojno obdelavo: Horizontalno in vertikalno vrtanje ter vrezovanje navojev.
We offer CNC machining: Horizontal and vertical drilling and tapping.

*Obdelava po tehničnih risbah naročnika / Machining according to customer's drawing



- colska in votla vodila po naročilu
- inch and hollow guides on request

OKROGLO VODILO W / PRECISON SHAFT W

W. Nr. 1.1213

TIP TYPE		PREMER VODILA DIAMETER (mm)	TEŽA WEIGHT (kg/m)	TOLERANCA Ød h7 (µm) TOLERANCE Ød h7 (µm)		OKROGLOST t1 ROUNDNESS t1 (µm) ISO 13012	RAVNOST t2 STRAIGHTNESS t2 (µm) ISO 13012	GLOBINA UTRDITVE HARDNESS DEPTH (mm)
STANDARD	KROMIRANO CHROME PLATED			STANDARD W	KROMIRANO WV CHROME PLATED WV			
W 5	/	5	0,154	0/-8	/	4	0,2	0,4
W 6	WV 6	6	0,222	0/-8	0/-12	4	0,2	0,4
W 8	WV 8	8	0,394	0/-9	0/-15	4	0,2	0,4
W 10	WV 10	10	0,616	0/-9	0/-15	4	0,1	0,4
W 12	WV 12	12	0,888	0/-11	0/-18	5	0,1	0,6
W 16	WV 16	16	1,578	0/-11	0/-18	5	0,1	0,6
W 20	WV 20	20	2,466	0/-13	0/-21	6	0,1	0,9
W 25	WV 25	25	3,853	0/-13	0/-21	6	0,1	0,9
W 30	WV 30	30	5,549	0/-13	0/-21	6	0,1	0,9
W 40	WV 40	40	9,864	0/-16	0/-25	7	0,1	1,5
W 50	WV 50	50	15,413	0/-16	0/-25	7	0,1	1,5
W 60	WV 60	60	22,195	0/-19	0/-30	8	0,1	2,2
W 80	WV 80	80	39,458	0/-19	0/-30	8	0,1	2,2
W 100	WV	100	61,620	0/-22	0/-30	10	0,1	3,2

NERJAVEČE OKROGLO VODILO X46 WKB / PRECISON SHAFT - STAINLESS STEEL X46 WKB

WKB. Nr. 1.4034

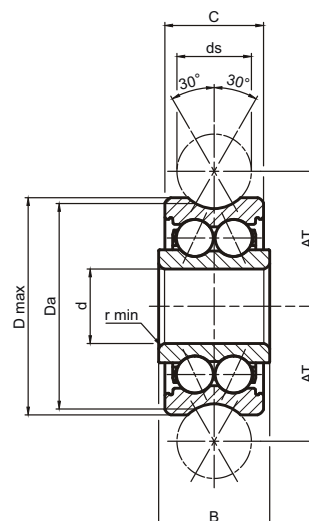
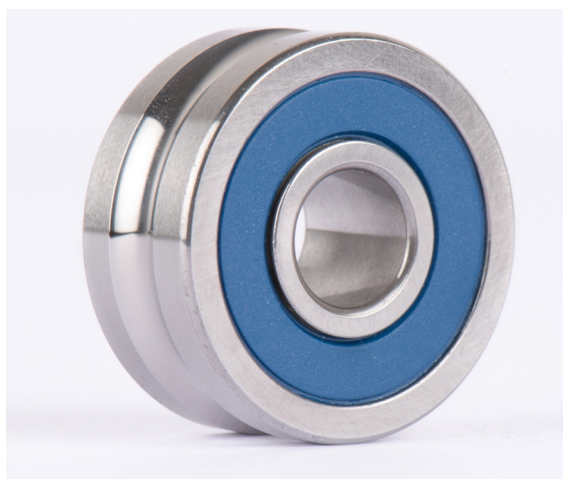
TIP TYPE	PREMER VODILA (mm) DIAMETER (mm)	TEŽA (kg/m) WEIGHT (kg/m)	TOLERANCA $\varnothing d$ h7 (μm)	OKROGLOST t1 (μm)	RAVNOST t2 (μm)	GLOBINA UTRDITVE HARDNESS DEPTH
			TOLERANCE $\varnothing d$ h7 (μm)	ROUNDNESS t1 (μm)	STRAIGHTNESS t2 (μm)	
			Opcija / Option h6	ISO 13012	ISO 13012	
WKB 6	6	0,222	0/-8	4	0,2	0,4
WKB 8	8	0,394	0/-9	4	0,2	0,4
WKB 10	10	0,616	0/-9	4	0,1	0,4
WKB 12	12	0,888	0/-11	5	0,1	0,6
WKB 16	16	1,578	0/-11	5	0,1	0,6
WKB 20	20	2,466	0/-13	6	0,1	0,9
WKB 25	25	3,853	0/-13	6	0,1	0,9
WKB 30	30	5,549	0/-13	6	0,1	0,9
WKB 40	40	9,864	0/-16	7	0,1	1,5
WKB 50	50	15,413	0/-16	7	0,1	1,5

NERJAVEČE OKROGLO VODILO X90 WKA / PRECISON SHAFT - STAINLESS STEEL X90 WKA

WKA. Nr. 1.4112

TIP TYPE	PREMER VODILA (mm) DIAMETER (mm)	TEŽA (kg/m) WEIGHT (kg/m)	TOLERANCA $\varnothing d$ h7 (μm)	OKROGLOST t1 (μm)	RAVNOST t2 (μm)	GLOBINA UTRDITVE HARDNESS DEPTH
			TOLERANCE $\varnothing d$ h7 (μm)	ROUNDNESS t1 (μm)	STRAIGHTNESS t2 (μm)	
			Opcija / Option h6	ISO 13012	ISO 13012	
WKA 6	6	0,222	0/-8	4	0,2	0,4
WKA 8	8	0,394	0/-9	4	0,2	0,4
WKA 10	10	0,616	0/-9	4	0,1	0,4
WKA 12	12	0,888	0/-11	5	0,1	0,6
WKA 16	16	1,578	0/-11	5	0,1	0,6
WKA 20	20	2,466	0/-13	6	0,1	0,9
WKA 25	25	3,853	0/-13	6	0,1	0,9
WKA 30	30	5,549	0/-13	6	0,1	0,9
WKA 40	40	9,864	0/-16	7	0,1	1,5
WKA 50	50	15,413	0/-16	7	0,1	1,5

TEKALNA KOLESA LRG / GUIDE WHEELS LRG



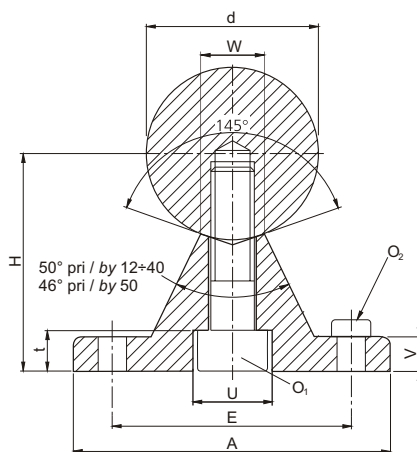
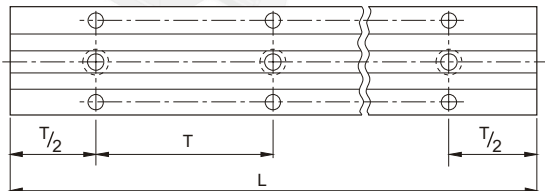
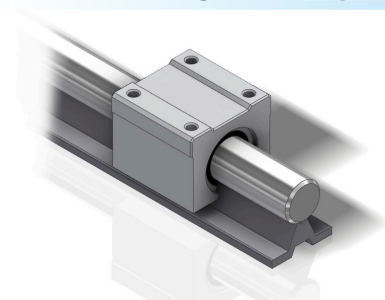
TIP TYPE	TIP TYPE	DIMENZIJE / DIMENSIONS (mm)											
100Cr6 (standard)	INOX 1.4125	d	D max	B	AT	C	Da	Ds	r min	Crw	Corw	Fr	Fro
LRG 5-16-4 2RZ	SLRG 5-16-4 2RS	5	16	8	9	7	14.54	4	0.2	1'600	880	1'750	1'750
LRG 5-17-6 2RZ	SLRG 5-17-6 2RS	5	17	8	10.5	7	15.8	6	0.2	1'700	940	2'300	1'850
LRG 8-24-6 2RZ	SLRG 8-24-6 2RS	8	24	11	14	11	22.8	6	0.3	4'300	2'350	2'750	4'800
LRG 12-35-10 2RZ	SLRG 12-35-10 2RS	12	35	15.9	20.65	15.9	32.64	10	0.6	8'550	5'200	4'900	10'200
LRG 12-35-12 2RZ	SLRG 12-35-12 2RS	12	35	15.9	21.75	15.9	33.11	12	0.6	8'600	5'200	5'300	10'300
LRG 12-42-10 2RZ	SLRG 12-42-10 2RS	12	42	19	24	19	38.95	10	0.6	13'600	8'000	6'500	15'800
LRG 15-47-10 2RZ	SLRG 15-47-10 2RS	15	47	19	26.65	19	44.64	10	1	15'500	9'300	12'000	18'500
LRG 20-52-16 2RZ	SLRG 20-52-16 2RS	20	52	22.6	31.5	20.6	49.14	16	1	16'200	9'870	11'000	17'600
LRG 25-72-20 2RZ	SLRG 25-72-20 2RS	25	72	25.8	41	23.8	64.68	20	1	24'100	16'700	21'200	38'600
LRG 25-72-25 2RZ	SLRG 25-72-25 2RS	25	72	25.8	43.5	23.8	65.35	25	1	23'200	16'400	19'300	35'000

- nizek hrup, majhne vibracije, dolga življenjska doba / low noise, low vibration, highest lifetime
- optimirana tesnila (brez iztekanja masti, nizko trenje, zaščita proti prahu) / optimized sealing (no grease leakage, low friction, dust protection)
- nizka hrupnost / low acoustic noise
- visoka hitrost, visoka natančnost / high speed, high precision
- uporabno v veliko različnih aplikacijah (tekalna kolesa iz 100Cr6 (standard) ali iz nerjavnega jekla 1.4125) / used in many applications (rings in 100Cr6 (standard) or stainless steel 1.4125)
- delovna temperatura / operating temperature: -35°C do/to 120°C
- tesnenje / sealing: labirintno tesnenje NBR/Z zaščita / labyrinth seal NBR/Z shield
- maksimalna hitrost / max. speed: 10m/s

BELEŽKA / NOTES

Handwriting practice area with horizontal lines.

VZDOLŽNA PODPORA OKROGLIH VODIL LS / LINEAR SUPPORT GUIDES LS

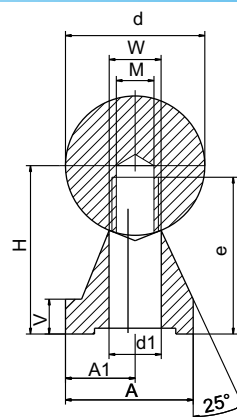
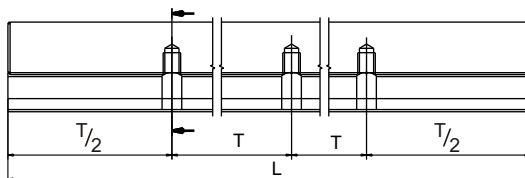
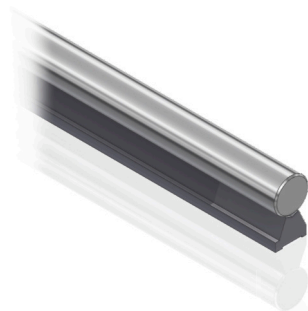



TIP TYPE	DIMENZIJE / DIMENSIONS (mm)												RAZDALJA MED LUKNJAMI HOLE DISTANCE T
	d	H	A	V	U	O ₁ (DIN7984)	W	E	t	O ₂	kg/m	L	
LS 12 - 75 mm	12	22	40	5	8	M4x20	5,8	29	5	M4x12	0,52	3700	75
LS 12 - 120 mm	12	22	40	5	8	M4x20	5,8	29	5	M4x12	0,52	3700	120
LS 16 - 100 mm	16	26	45	5	9,5	M5x20	7	33	6	M5x16	0,64	3700	100
LS 16 - 150 mm	16	26	45	5	9,5	M5x20	7	33	6	M5x16	0,64	3700	150
LS 20 - 100 mm	20	32	52	6	11	M6x25	8,3	37	6,5	M6x16	0,9	3700	100
LS 20 - 150 mm	20	32	52	6	11	M6x25	8,3	37	6,5	M6x16	0,9	3700	150
LS 25 - 120 mm	25	36	57	6	14	M8x30	10,8	42	8,5	M6x16	1,08	3700	120
LS 25 - 200 mm	25	36	57	6	14	M8x30	10,8	42	8,5	M6x16	1,08	3700	200
LS 30 - 150 mm	30	42	59	7	17	M10x35	11	51	10,5	M8x25	1,43	3700	150
LS 30 - 200 mm	30	42	59	7	17	M10x35	11	51	10,5	M8x25	1,43	3700	200
LS 40 - 200 mm	40	50	73	8	17	M10x40	15	55	10,5	M8x25	1,81	3700	200
LS 40 - 300 mm	40	50	73	8	17	M10x40	15	55	10,5	M8x25	1,81	3700	300
LS 50 - 200 mm	50	60	84	9	19	M14x50	19	63	12,5	M10x30	2,45	3700	200
LS 50 - 300 mm	50	60	84	9	19	M14x50	19	63	12,5	M10x30	2,45	3700	300

* Rezano na zahtevano dolžino stranke / Cut according to customer's required

- H toleranca *0,15 pri dolžini 3700 mm
 - H toleranca *0,15 at length 3700 mm

VZDOLŽNA PODPORA OKROGLIH VODIL LSU / LINEAR SUPPORT GUIDES LSU

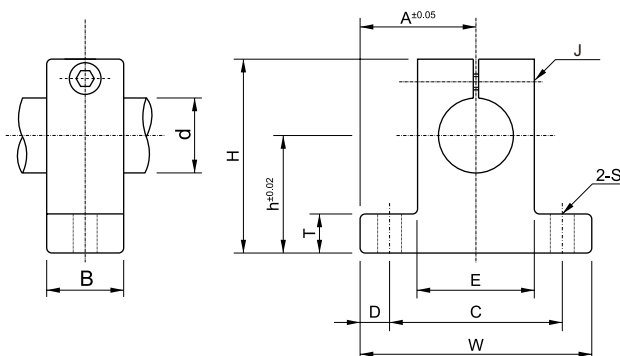
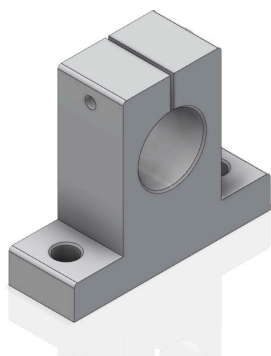


TIP TYPE	DIMENZIJE / DIMENSIONS (mm)											RAZDALJA MED LUKNJAMI HOLE DISTANCE
	d	 H	A	V	d1	M	W	A1	e	kg/m	L	T
LSU 12 - 75 mm	12	14,5	11	3	4,5	M4	5,4	6,0	15,5	0,44	4000	75
LSU 16 - 75 mm	16	18	14	3	5,5	M5	7,0	7,0	16,0	0,56	4000	75
LSU 20 - 75 mm	20	22	17	3	6,6	M6	8,1	8,5	20,0	0,81	4000	75
LSU 25 - 75 mm	25	26	21	3	9,0	M8	10,3	10,5	25,0	1,06	4000	75
LSU 30 - 100 mm	30	30	23	3	11	M10	11,0	11,5	30,0	1,25	4000	100
LSU 40 - 100 mm	40	39	30	4	13,5	M12	15,0	15,0	38,0	2,16	4000	100

* Rezano na zahtevano dolžino stranke / Cut according to customer's required

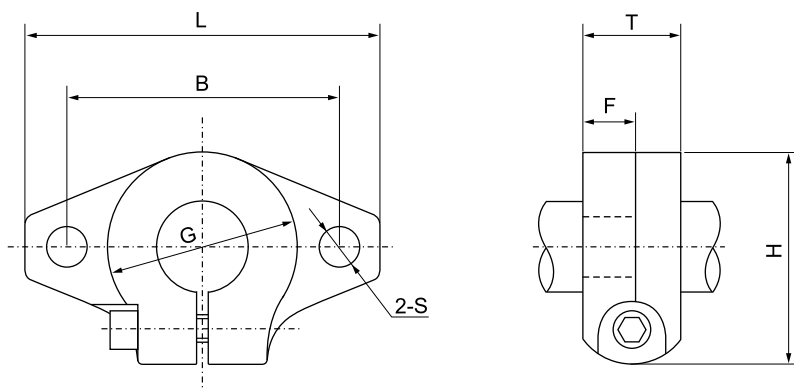
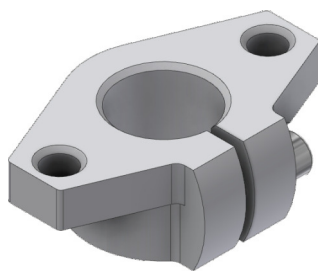
- H toleranca *0,15 pri dolžini 4000 mm
 - H toleranca *0,15 at length 4000 mm

SH PODPORA OKROGLIH VODIL / SH LINEAR SUPPORT GUIDES



TIP TYPE	DIMENZIJE / DIMENSIONS (mm)											TEŽA WEIGHT (g)
	h	A	W	H	T	E	D	C	B	S	J	
SH 8	20	21	42	32,8	6	18	5	32	14	5,5	M4	24
SH 10	20	21	42	32,8	6	18	5	32	14	5,5	M4	24
SH 12	23	21	42	37,5	6	20	5	32	14	5,5	M4	30
SH 16	27	24	48	44	8	25	5	38	16	5,5	M4	40
SH 20	31	30	60	51	10	30	7,5	45	20	6,6	M5	70
SH 25	35	35	70	60	12	38	7	56	24	6,6	M6	130
SH 30	42	42	84	70	12	44	10	64	28	9	M6	180
SH 40	60	57	114	96	15	60	12	90	36	11	M8	420
SH 50	70	63	126	120	18	74	13	100	40	14	M12	750
SH 60	80	74	148	136	18	90	14	120	45	14	M12	1100

SHF PODPORA OKROGLIH VODIL / SHF LINEAR SUPPORT GUIDES



TIP TYPE	DIMENZIJE / DIMENSIONS (mm)								PRITRDNITVENI VIJAK MOUNTING BOLT	TEŽA WEIGHT (g)
	L	T	F	B	G	H	S			
SHF 10	43	10	5	32	20	24	5.5	M5		13
SHF 12	47	13	7	36	25	28	5.5	M5		20
SHF 16	50	16	8	40	28	31	5.5	M5		27
SHF 20	60	20	8	48	34	37	7	M6		40
SHF 25	70	25	10	56	40	42	7	M6		60
SHF 30	80	30	12	64	46	50	9	M8		110
SHF 40	102	40	16	80	56	67	12	M10		510
SHF 50	122	50	19	96	70	83	14	M12		890
SHF 60	140	60	23	112	82	95	14	M12		1500