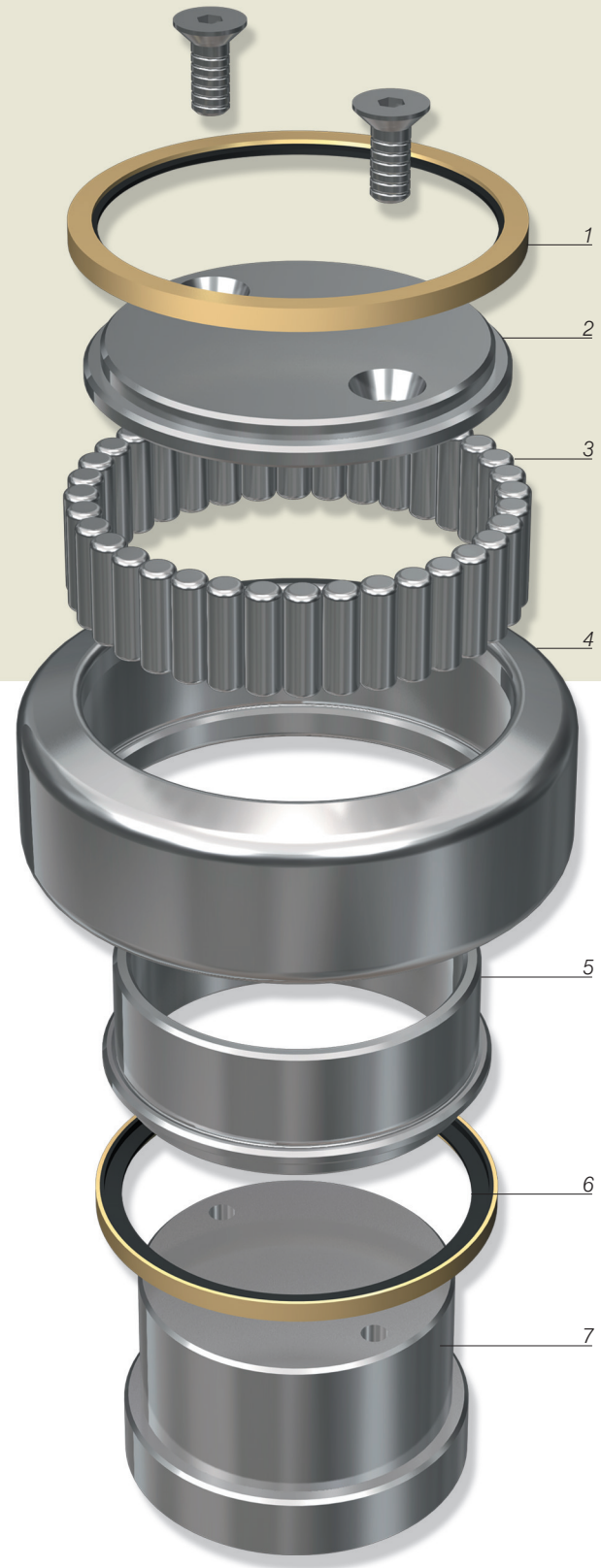


# RADIAL BEARINGS WITH PIVOT

- 
1. ZRS SEAL RING
  2. SUPPORT THRUST RING
  3. CYLINDRICAL ROLLERS
  4. OUTER RING
  5. INNER RING
  6. ZRS SEAL RING
  7. PIVOT
- 



The radial bearings with pivot have the following technical features:

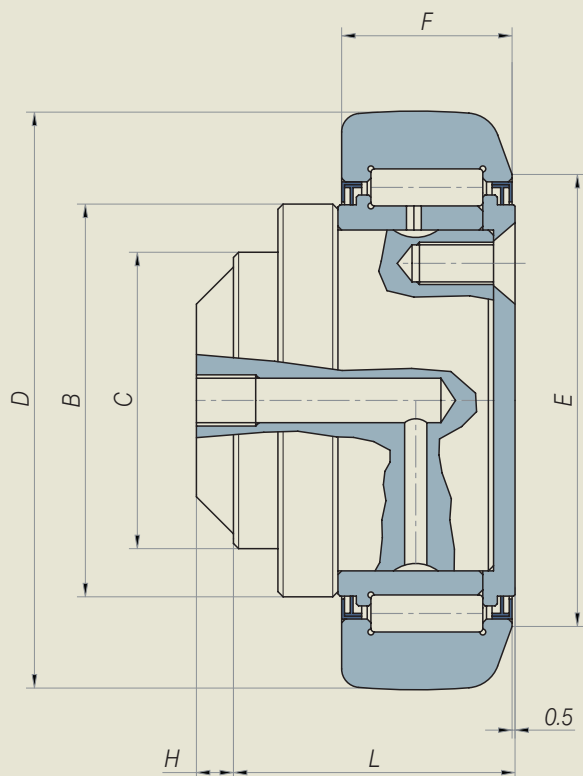
- The outer ring is manufactured in 20CrMnTi cementation steel. This kind of steel can guarantee a very high resistance to stress and can assure a strong resistance against shocks. The surface hardness is 60-2 HRC.
- The inner ring is manufactured in core hardened 100Cr6. The core hardening guarantees a high resistance to wearing and to fatigue. The hardness is 60-2 HRC.
- ZRS seal system, realized by C.R. during the recent years, prevents outer agents, such as dust, wet and mill scale, to enter the inner part of the bearing, and at the same time it prevents the leakage of lubrication grease.
- Also the side thrust ring is manufactured in cementation steel.
- The central pivot is manufactured in low C20/C45 carbon steel. This kind of material guarantees a good resistance and a perfect welding.

# RADIAL BEARINGS WITH PIVOT

The radial bearings with pivot keep the same structural features as the combined bearings.

In this case there is no axial guide inside the bearing.

For this reason these bearings are used in application fields where it is not necessary to bear differentiated loads.



C.R. ref.	C mm	B mm	D mm	L mm	F mm	H mm	E mm	C KN	C <sub>0</sub> KN	PROFILE
* 2.0856	25	42	62	23,5	20	7	50	31	35,5	2890
* 2.0363	30	42	62	29,5	20	7	50	31	35,5	2890
2.0360	35	48	70,1	33,5	23	8,2	57	45,5	51	2867
9.2102	40	53	78,1	32	23	11	61	48	56,8	2810
2.0448	45	59	88,9	41	30	13	68	68	72	2811
2.1641	55	69	107,7	35	31	14	82	81	95	3100
2.1641 / 1	60	69	107,7	50,5	31	14	82	81	95	2862
2.1642	60	79	123	51,5	37	16,3	92	110	132	2891
2.1643	60	103	149	54	43	20	116	151	192	2757

THE BEARINGS ARE IN ZRS EXECUTION.

C : Dynamic load      C<sub>0</sub> : Static load

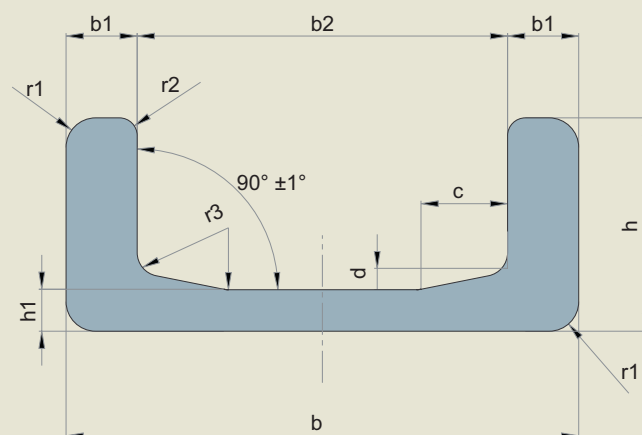
\* 2.0856 and 2.0363 are supplied in "Long life" execution.

# “U” STANDARD LIFT GUIDES

“U” standard lift guides are used in different industrial fields: fork lift masts, food industry, car industry, ceramic industry, machine tool industry.

Normally small and medium size combined bearings are used inside these guides.

They are manufactured in ST 52.3 steel.



C.R. ref.	Dimensions													WEIGHT Wx		
	(b)	b1	Tol.	b2	Tol.	h	Tol.	h1	Tol.	c	d	r1	r2	r3	Kg/m	Cm <sup>3</sup>
EC 053	65	6	±0,5	53	±0,4	30	±0,5	6	±0,5	4	4	6	4	*	5,3	11,9
2890	86,5	12	±0,5	62,5	+1	36	±0,8	7	±0,5	15	3	≤6	2-3	4	10,5	32
2867	103,2	16,2	±0,5	70,8	±0,5	40	±0,8	7,7	±0,5	15	3	≤6	2-3	5	14,8	53
2810	121,3	21,3	±0,5	78,7	±0,5	41	±0,8	10,8	±0,5	15	5	≤6	2-3	5	20,9	81
2811	135,4	23	±0,5	89,4	±0,5	53	±0,8	12,7	±0,5	15	5	≤6	2-3	5	28,6	128
2862	157,2	24,4	±0,5	108,4	±0,5	61,2	±0,8	14	±0,5	15	5	≤6	2-3	5	35,9	190
2891	175	25,6	±0,5	123,8	±0,5	66,2	±0,8	16,2	±0,5	15	5	≤6	2-3	5	42,9	250
2757	201,5	25,7	±0,5	150,1	±0,5	71,2	±0,8	19,4	±0,5	20	5	≤8	2-3	6	52,3	340

Material: UNI Fe 510 C – DIN St 52.3

The profiles can be cut on request of the customer, maximum length is 12 m.

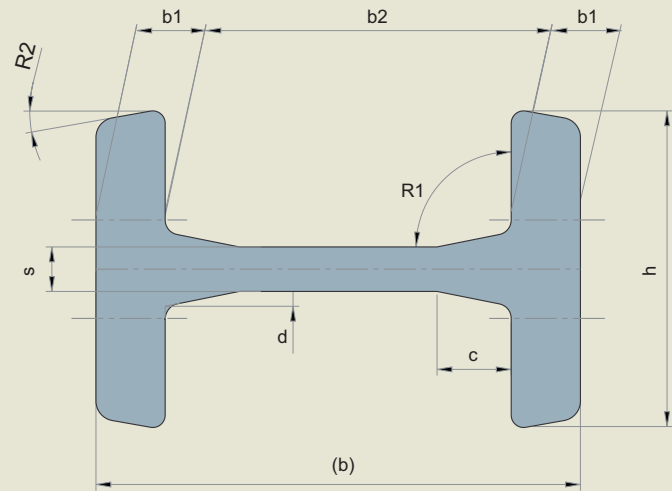
# “I” STANDARD LIFT GUIDES

Standard “I” profiles are exclusively used to build the fork lift masts.

The “I” profile has been realized in order to satisfy the needs of the manufacturers of fork lifts.

The combined bearings are used inside these profiles, like in the case of the “U” profiles.

They are manufactured in ST 52.3 steel.



C.R. ref.	Dimensions													WEIGHT $W_x$	
	(b)	$b_1$	Tol.	$b_2$	Tol.	$h$	Tol.	$s$	Tol.	$c$	$d$	$R_1$	$R_2$	Kg/m	$Cm^3$
3018	98	14	$\pm 0,5$	70	+1	65	$\pm 1$	9	$\pm 0,5$	15	3	$91^\circ+1^\circ$	$10^\circ$	19,4	70
3019	113,9	18	$\pm 0,5$	77,9	+1	66	$\pm 1$	11	$\pm 0,5$	15	3	$91^\circ+1^\circ$	$10^\circ$	25,3	102
3275	129,6	20,5	$\pm 0,5$	88,6	+1	72	$\pm 1,25$	12	$\pm 0,5$	15	3	$91^\circ+1^\circ$	$10^\circ$	31,2	143
3020	129,6	20,5	$\pm 0,5$	88,6	+1	81	$\pm 1,25$	12	$\pm 0,5$	15	3	$91^\circ+1^\circ$	$10^\circ$	34,1	160
2912	140,2	18,96	$\pm 0,8$	102,28	-0,8	69,9	+1,60	12,7	$\pm 0,5$	*	*	*	*	31,2	157
3100	152,4	22	$\pm 0,5$	108,4	$\pm 0,5$	83	$\pm 1$	14	$\pm 0,5$	20	3	$91^\circ+1^\circ$	$12^\circ$	40,8	219
3353	175	25,6	$\pm 0,5$	123,8	$\pm 0,5$	90	$\pm 1,3$	15	$\pm 0,5$	20	5	$91^\circ+1^\circ$	$5^\circ$	51,4	322

Material: UNI Fe 510 C – DIN St 52.3

The profiles can be cut on request of the customer, maximum length is 12 m.