DISTITEC Srl

DS 0002 IND 2017

SPECIAL BEARINGS FOR STEEL PROFILES

INTRODUCTION

*This catalogue provides an overview of the products made – partly in outsourcing – by **DISTITEC S.R.L**. and employed in the steel and mechanical industry. The bearings described in this catalogue are mainly used in the flattening and straightening lines of steel sheet, stainless steel sheet and aluminum sheet, but also in rolling mills on the rolling cylinder necks, in overhead conveyors and in many applications of the mechanical industry such as lifting vehicles, naval cranes, palletizes, solar panels, wind turbines, wood processing machines, radars, bottling machines, revolving lifting clamps, welding robots, revolving tables and others.*

***DISTITEC S.R.L.** relies on qualified and certified technicians with a long experience in this field and equipped with advanced machine tools to produce high precision mechanical parts.*

***DISTITEC** performs the design, assembling and testing of its products and provides an efficient technical assistance to the customer. After sizing the bearings and executing the construction drawings we follow the order progress: the components are worked, checked, tested and assembled. Finally, we execute the final testing. If the assembled bearing is in accordance with the technical requests and the roller bearing standards, it is ready to be packed and shipped. Our stock can meet the customers' requests with a short delivery time.*

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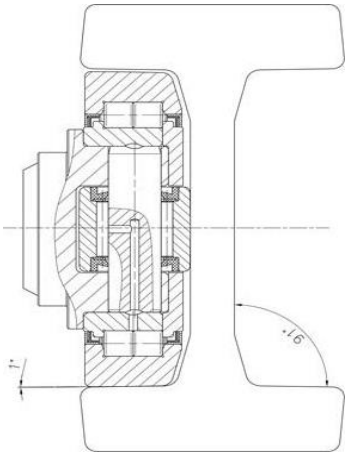
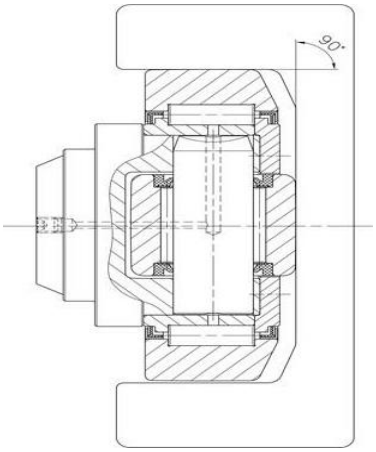
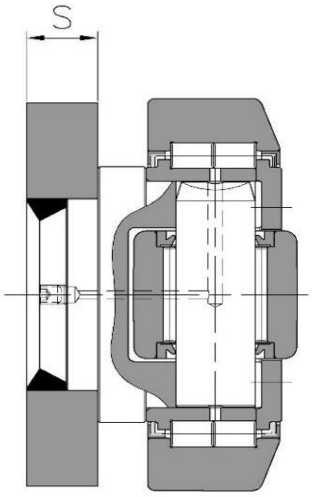
SPECIAL BEARINGS FOR STEEL PROFILES

cuscinetti speciali DISTITEC® special bearings

METHOD OF USE COMBINED BEARINGS ON STEEL PROFILES







The combined bearings allow to realize simple constructions both in vertical that in horizontal on cars and devices of lifting with reductions of costs for planning and production. Such systems are able to sustain elevated loads both radially and axially thanks to the roller of contrast in steel and to the thick walls of the outlined of guide allowing a great duration of the pad and the profile, besides thanks to the pivots to be settled on special plates they reduce times of assemblage and facility of substitution of the components.

COMBINED AND RADIAL BEARINGS FOR HANDLING HAVE THE FOLLOWING TECHNICAL CHARACTERISTICS:

Outer ring, axial bearing and washer are manufactured in Case-hardening steel type16NiCr4, 20CrMnTi, 16MnCr5. This kind of steels guarantees a very good resistance to stress, and assures a very good resistance against crashes. The surface hardness can reach 60-2 HRC for both of them.

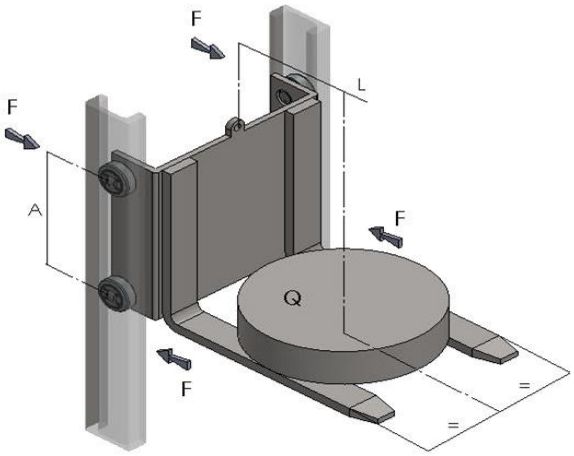
Inner ring and axial stud are manufactured in core-hardened steel 100Cr6. The total-hardening steel guarantees high resistance to wear and stress; both of them reach 60±2 HRc.

“ZRS” seal system used in these bearings 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.

The central stud is made in structural steel of quality Fe 510C (St. 52-3 U) or steel with low carbon C45 based on various applications.

The axial supports, adjustable in various ways, are executed in low carbon steel C45.

USEFUL CALCULATIONS FOR BEARINGS' SELECTION



Calculation necessary for selecting the most suitable bearing for the application from the point of view of the loads applied to the same.

CHARGE APPLIED TO SINGLE BEARING

$$F = (Q \times L)/(2 \times A)$$

Where:

Q = Load application
L = Distance between the center of gravity of the applied load and the sliding axis of the bearings

A = Distance between the center of gravity of bearings

Calculation necessary for selecting the most suitable bearing for the application from the point of view of the loads applied to the same.

STATIC SAFETY FACTOR

$$FS = C0/F$$

C0 = Admissible static load rating

F = Applied load to the single bearing

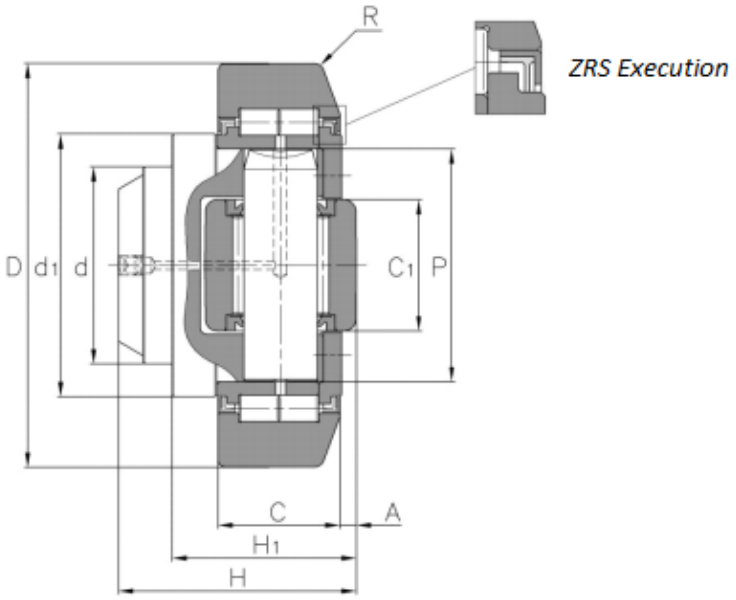
The static safety factor determines the degree of security that the user wants to adopt bearing against deformation of the bearing itself.

A satisfactory level of security to prevent any malfunction should be:

FS ≥ 3

Attention: In the two sections of this page, we took into account only the static load as in applications where the speed is relatively low (up to 0,5m/sec) the sizing is purely static. If the application provides higher speeds the speech should do so considering the allowable loads dynamic.

FIXED COMBINED BEARINGS FOR "U" SHAPE STEEL SECTION



Fixed combined bearings are particularly suitable to be used in forklift masts and in any other moving and handling system, where rolled or extruded profiles are used

.

The best combination axial part/radial part allows to get high load capacity with extremely small dimensions of the bearing, in addition to easiness of assembling on any kind of structure.

Codes for "U" selection

	d	D	H	H_1	C	d_1	C_1	A	r	R	P	C	C_0	C_a	C_{0a}	Diameter in demand	Profile	Weight
					[mm]								[kN]			[mm]		
DSTR 706 *	30	52,5	33	27	19	40	16	2,5	2,5	500	32	26,5	46	10	13	52	**	0,4
DSTR 001	30	62	38	31	20	42	20	2	4,5	500	38	39	65	14	21	62,5 / 63,5 / 64,8	2890	0,5
DSTR 002	35	70,1	44	36	23	48	22	2	3	500	42	56	93	17	25	73,8	2867	0,8
DSTR 003	40	77,7	48	37	23	53	24	2,5	3	700	46	59	102	22,5	33	78,1 / 78,5	2810	1
DSTR 005	45	88,4	57	44	30	59	26	3	4	700	50	84	133	28	43	88,9 / 92,8	2811	1,6
DSTR 007	60	107,7	69	55	31	71	34	3,5	4	1000	63	94	162	46	84	111,8	2862	2,7
DSTR 009	60	123	72	56	37	80	40	4,5	4	1000	71	132	242	53	94	-	2891	3,9
DSTR 010	60	149	79	59	43	103	50	4,5	4	1000	90	179	353	83	131	153,8	2757	6,6
DSTR 191	60	149	86	67	45	107	50	5	4	1500	90	179	353	83	131	153,8	2757	7,2
DSTR 039	80	185	95	71	55	120	63	7	7	1000	100	287	518	115	239	180	2757	7,2

C *= Radial dynamic load rating*

C_0 *= Radial static load rating*

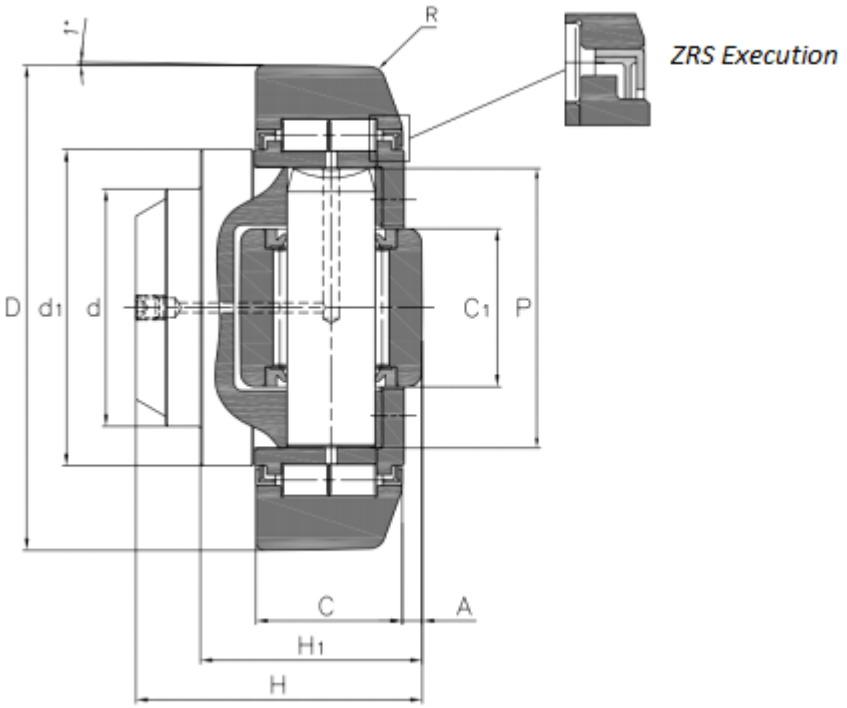
C_a*= Axial dynamic load rating*

C_{0a}*= Axial static load ratingù*

The bearings are in"ZRS" execution

**No internal lubrification hole*
***Special profile on request*

FIXED COMBINED BEARINGS FOR "H" SHAPE STEEL SECTION



Fixed combined bearings are particularly suitable to be used in forklift masts and in any other moving and handling system, where rolled or extruded profiles are used

.

The best combination axial part/radial part allows to get high load capacity with extremely small dimensions of the bearing, in addition to easiness of assembling on any kind of structure.

Codes for "H" selection

	d	D	H	H_1	C	d_1	C_1	A	r	R	P	C	C_0	C_a	C_{0a}	Diameter on demand	Profile	weight
					[mm]								[kN]			[mm]		
DSTR 031 *	35	70,4	41	31	23	48	22	2,5	4	500	42	56	93	17	25	70,1 / 70,7	3018	0,5
DSTR 004	40	78,3	41	29	23	53	24	3	4	700	46	59	102	22,5	33	78,1 / 78,5	3019	0,9
DSTR 034	45	89,3	50	38	30	59	26	3	4	800	50	84	133	28	43	88,9 / 89,4	3020	1,6
DSTR 006	50	102	46	33	28	67	30	2,5	4	850	58	91	153	32	50	101,2	2912	1,7
DSTR 008	55	109	53	39	31	71	34	3,5	4	1000	63	94	162	39	66	107,7 / 108,2	3100	2,2
DSTR 040	60	124	57	43	33	78	34	2,5	4	1000	65	134	211	39	57	123	3353	3,2
DSTR 016**	60	129	57	43	33	78	40	2,5	4	1000	71	126	200	42	73	-	***	3,4
DSTR 017**	60	160	76	59	43	103	50	5	4	1000	90	183	353	63	94	-	***	7,9
DSTR 011**	80	165	61	46	36	113	60	2,5	4	1000	100	173	306	58	111	-	***	6,3

C **=** *Radial dynamic load rating*

C_0 **=** *Radial static load rating*

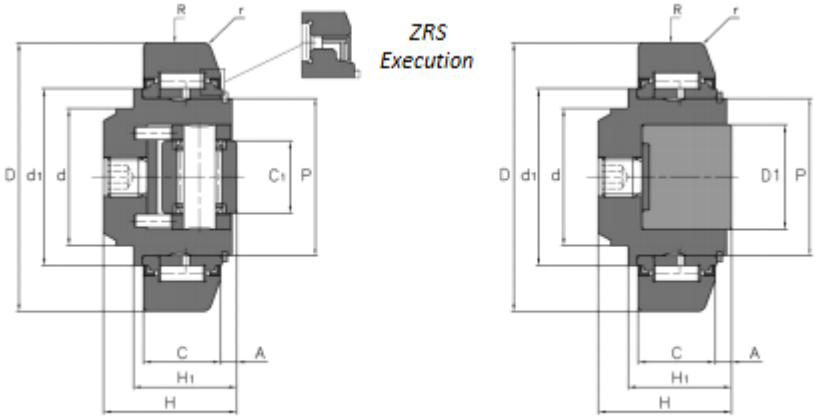
C_a**=** *Axial dynamic load rating*

C_{0a}**=** *Axial static load rating*

The bearings are in "ZRS" execution

**No internal lubrification hole*
***Special profile on request*

ADJUSTABLE COMBINED BEARINGS WITH SCREW



Adjustable combined bearings with screw have the same characteristics as fixed combined bearings. The only difference consist in the possibility to adjust the distance between axial bearing and profile through the use of grub-screw positioned in the stud.

	d	D	H min	H max	H_1 min	H_1 max	C	d_1	C_1	A	r	R	P	D_1	C	C_0	C_a	C_{0a}	Profile	Weight
					[mm]											[KN]				[Kg]
DSTR 961 (1)(2)	30	62	37,5	39,5	30,5	32,5	20	42	-	2,5	3	500	38	26	39	65	-	-	**2890**	0,5
DSTR 962 (4)	35	70,1	38,5	40,5	31,5	33,5	23	48	16	3	3	700	42	30	56	93	10	13	**2867**	0,6
DSTR 963 (4)	40	77,7	40,7	42,7	31,7	33,7	23	53	16	4	3	700	46	30	59	102	10	13	**2810**	0,8
DSTR 964 (4)	45	88,9	48,5	51	36,5	39	30	59	21	4	4	700	50	33	84	133	15	22	**2811**	1,4
DSTR 965 (3)(4)	50	101,9	46	48,5	33	35,5	28	67	21	2,5	4	850	58	38	91	153	18	22	**2912**	1,7
DSTR 966 (4)	55	107,7	53,5	56,5	41,5	44,5	31	71	30	6	4	1000	63	42	94	162	32	50	**2862**	2,45
DSTR 967 (4)	60	123	61,5	64,5	49,5	52,5	33	78	30	6,5	4	1000	65	42	132	242	32	50	**2891**	3,5
DSTR 968 (4)	60	149	75,5	79	58,5	62	43	149	45	6,8	4	1000	90	63	179	353	83	131	**2757**	6,5

C = *Radial dynamic load rating*

C_0 = *Radial static load rating*

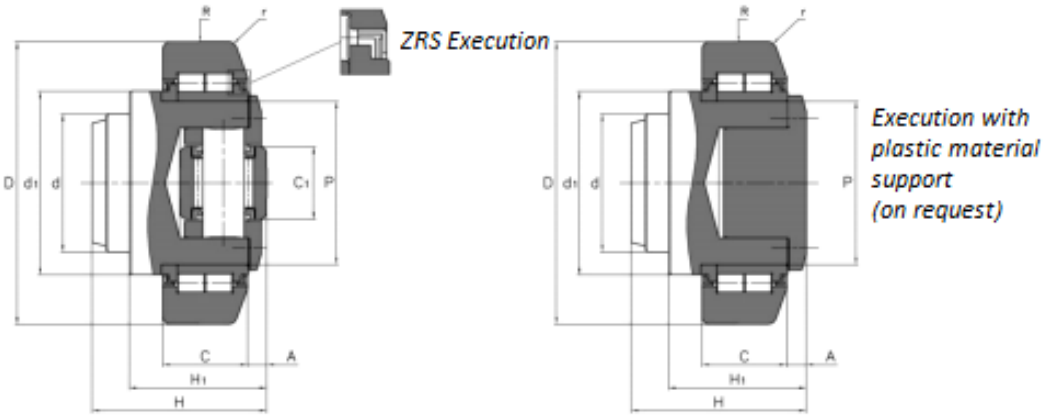
C_a= *Axial dynamic load rating*

C_{0a}= *Axial static load rating*

The bearings are in "ZRS" execution

(1) *Without internal lubrificaton hole*
(2) *Supplied only with plastic material slider*
(3) *Inclined outer profile*
(4) *For design with plastic housing add suffix "F" code std.*

ADJUSTABLE COMBINED BEARINGS WITH SUPPORT



Adjustable combined bearings with support have the same characteristisc as fixed combined bearings. The only difference is the possibility to adjust the distance between the bearing and the profile, through the thicknesses between the support and the radial bearing.

	d	D	H	H_1	C	d_1	C_1	A	r	R	P	C	C_0	C_a	C_{0a}	D.on demand	Profile	Weight
	[mm]											[KN]				[mm]		[Kg]
DSTR 146	30	62	43	33	20	42	16	6	3	500	38	39	65	10	13	62,5 / 64,8	2890	0,6
DSTR 147	35	70,1	48	40	23	48	16	6	4	500	42	56	93	10	13	70,7 / 73,8	2867	0,9
DSTR 148	40	77,7	50,5	39,5	23	54	21	7	4	500	46	59	102	14	21	78,1 / 78,5	2810	1,05
DSTR 149 *	40	78,3	45	34	23	54	21	7	4	700	46	59	102	14	21	81,8	3019	0,95
DSTR 150	45	88,9	61	48	30	59	21	7	3	700	50	84	133	14	21	92,8	2811	1,7
DSTR 151 *	50	101,9	50,5	37,5	28	67	21	7	3	1000	58	91	153	14	21	-	2912	1,85
DSTR 142	60	107,7	69	55	31	71	33	8	4	1000	63	94	162	39	57	111,8	2862	2,4
DSTR 152 *	55	108,55	58,5	44,5	31	71	33	8	4	900	63	94	162	39	57	111,8	3100	2,8
DSTR 153	60	123	75,8	59,5	37	78	33	8	4	1000	71	132	242	39	57	127,8	2891	4,1
DSTR 154	60	149	89	69	43	103	50	15	4	1000	90	179	353	83	131	149,7 / 153,8	2757	6,8

C = *Radial dynamic load rating*

C_0 = *Radial static load rating*

C_a= *Axial dynamic load rating*

C_{0a}= *Axial static load rating*

The bearings are in "ZRS" execution

**Inclined outer profile*
For design with plastic housing add suffix "F" code std.

ADJUSTABLE COMBINED BEARINGS WITH ECCENTRIC PIN FOR MEDIUM AND HIGH CAPACITIES

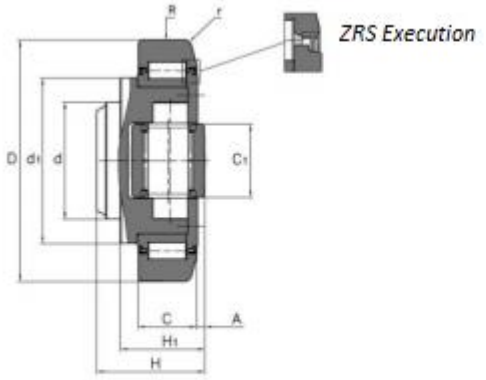


FIG.A

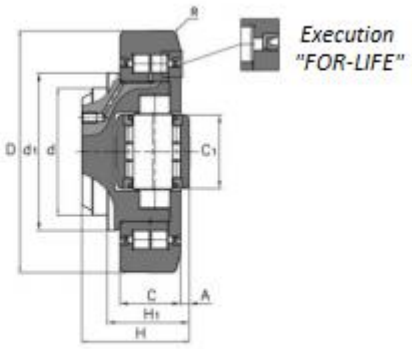


FIG.B

fig. A	d	D	H min	H max	H1 min	H1 max	C	d_1	C_1	A	r	R	C	C_0	C_a	C_{0a}	Profile	Weight
					[mm]									[KN]				[Kg]
DSTRR 062	30	62	37,5	39	30,5	32	20	42	20	2	3	500	39	65	14	21	2890	0,5
DSTRR 070	35	70,1	44	45,5	36	37,5	23	48	20	2	3	500	56	93	14	21	2867	0,8
DSTRR 078	40	77,7	48	50	36,5	38,5	23	53	24	2,5	3	700	59	102	21	32	2810	1
DSTRR 089	45	88,9	57	59	44	46	30	59	26	3	4	700	84	133	28	43	2811	1,6
DSTRR 108	60	108	69	71,5	55	57,5	31	71	34	3,5	4	1000	94	162	33	47	2862	2,7
DSTRR 123	60	123	72,3	75,3	56	59	37	80	40	4,5	4	1000	132	242	53	94	2891	3,9
DSTRR 149	60	149	78,5	81,5	58,5	61,5	43	103	50	4,5	4	1000	179	353	83	131	2757	6,65

fig. B	d	D	H min	H max	H1 min	H1 max	C	d_1	C_1	A	r	R	C	C_0	C_a	C_{0a}	Profile	Weight
					[mm]									[KN]				[Kg]
DSTR 038.A	80	165	69,5	72,5	53,5	56,5	40	113	50	8	3	1000	190	335	69	146	**10L**	9,2
DSTR 011.A	100	180	95,7	98,7	76,3	79,3	57,3	124	60	6,5	4	1500	258	441	122	180	-	11,5
DSTR 012.A	100	190	84,5	87,5	64,5	67,5	48	124	60	6,5	4	1000	258	441	99	165	**16L**	10,6
DSTR 013.A	110	220	94,5	97,5	74,5	77,5	58	145	75	6,5	4	1500	325	681	152	295	**18H**	17,3
DSTR 014.A	120	250	102	105	77	80	60	168	75	7	4	1500	354	794	152	295	**28H**	23,9
DSTR 015.A	150	280	120	123,5	89,5	93,5	72	188	90	7,5	4	2000	496	1091	215	475	**36H / 42H**	36
DSTR 019.A	140	320	135	139	110	114	85	205	90	10	8	2000	706	1500	215	475	-	54

C = *Radial dynamic load rating*

C_0 = *Radial static load rating*

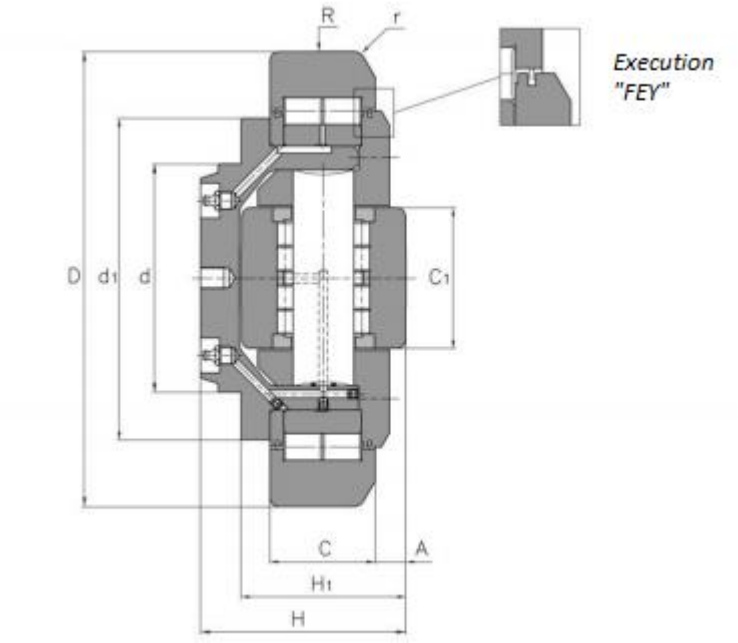
C_a= *Axial dynamic load rating*

C_{0a}= *Axial static load rating*

All bearings are supplied with "ZRS"

All heavy-duty bearings (Fig. B) are supplied with a lubrication hole

ADJUSTABLE COMBINED BEARINGS FOR HEAVY INDUSTRY



Adjustable combined bearings of great dimensions have the ability to guarantee great loads maintaining all the characteristics important of the combined bearings fixed. The substantial difference is the possibility to adjust size "A" by entering thicknesses between the main support and the support of the axial roller.

	d	D	H min	H max	H1 min	H1 max	C	d_1	C_1	A	r	R	C	C_0	C_a	C_{0a}	Weight
					[mm]									[KN]			[Kg]
DSTR 0509	110	220	108	109	90	91	60	150	70	8	5	2500	373	732	151	283	19
DSTR 3533	130	240	118	119	95	96	60	184	80	10,5	5	2500	471	992	180	300	27
DSTR 0510	130	260	118	119	95	96	60	184	80	18,5	5	2500	471	992	180	300	31
DSTR 3160	130	260	120	121	95	96	60	184	80	18,5	5	2500	471	992	180	300	31,5
DSTR 3724	150	260	135	136	110	111	80	187	86	7,2	5	/	625	1330	195	335	45
DSTR 3191	140	300	140	141	110	111	80	190	86	10	8	2500	625	1330	195	335	51

C **=** *Radial dynamic load rating*

C_0 **=** *Radial static load rating*

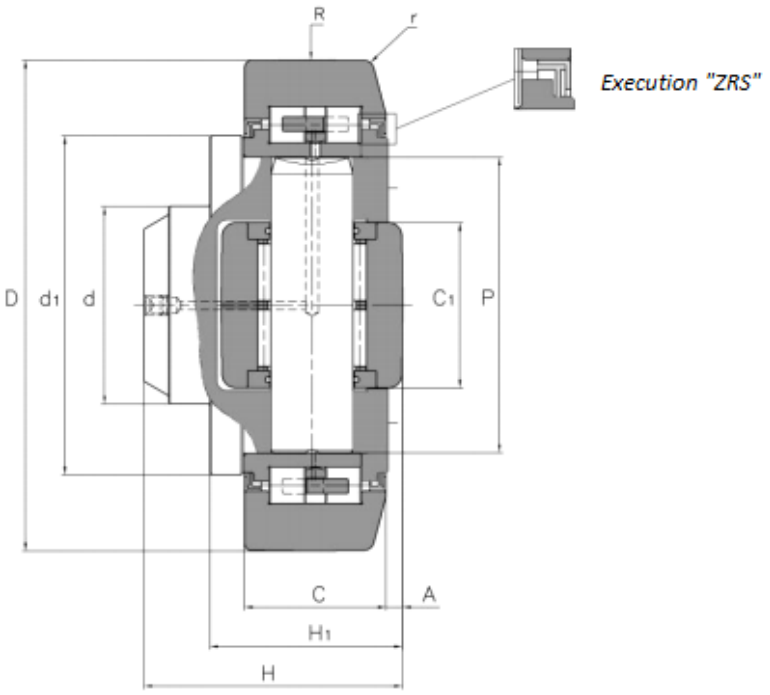
C_a**=** *Axial dynamic load rating*

C_{0a}**=** *Axial static load rating*

All bearings are supplied with "FEY" lamellar seals

All bearings are supplied with a lubrication hole

COMBINED BEARINGS FOR HIGH SPEED



Combined bearings for high speed maintain the same technical characteristics as fixed combined bearings. They are provided with bronze cages both in the radial and in the axial part, therefore they can rotate at high number of revolutions. They are provided also with Viton seals, so they can bear heavy working conditions and high temperatures.

	d	D	H	H_1	C	d_1	C_1	A	r	R	P	C	C_0	C_a	C_{0a}	Speed	Profile	Weight
				[mm]									[kN]			HS.max		
DSTR 005 HS	45	88,4	57	44	30	59	26	3	4	700	50	84	133	28	43	1200	2811	1,6
DSTR 007 HS	60	108	69	55	31	71	34	3,5	4	1000	63	94	162	46	84	1000	**2862**	2,7
DSTR 009 HS	60	123	72,3	56	37	80	40	4,5	4	1000	71	132	242	53	94	850	**2891**	3,9
DSTR 010 HS	60	149	78,5	58,5	43	103	50	4,5	4	1000	90	179	353	83	131	700	**2757**	6,6
DSTR 191 HS	60	149	86	67	45	107	50	5	4	1500	90	179	353	83	131	700	**2757**	7,2
DSTR 4382 HS	80	185	95	71	55	120	63	5,5	7	1500	100	170	250	80	104	500	**ww0018-10L**	13
DSTR 4383 HS	80	185	90,5	76	55	120	65	7	8	1500	100	170	250	80	104	500	-	13

C *= Radial dynamic load rating*

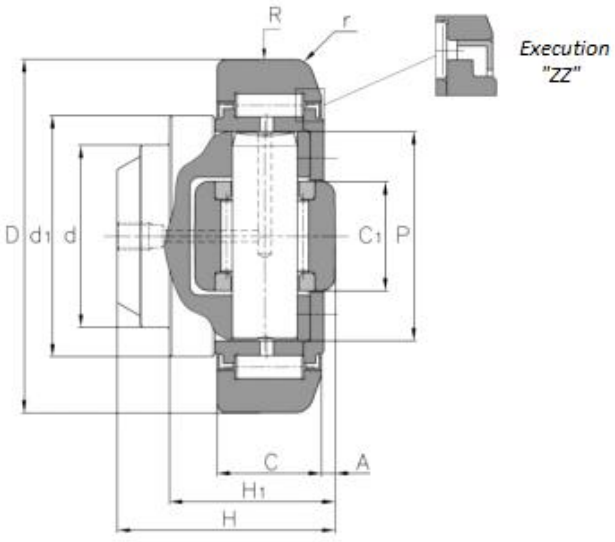
C_0 *= Radial static load rating*

C_a *= Axial dynamic load rating*

C_{0a} *= Axial static load rating*

The bearings are in ZRS execution

COMBINED BEARINGS FOR HIGH TEMPERATURES



HT series combined bearings for high temperatures are performed in the C3 gaming class and have a working temperature up to 250 degrees, equipped with specific grease and held in sheet metal "ZZ"

Codes for "U" selection

	d	D	H	H_1	C	d_1	C_1	A	r	R	P	C	C_0	C_a	C_{0a}	Diameter on demand	Profile	Weight
				[mm]									[kN]			[mm]		
DSTR 706 HT *	30	52,5	33	27	19	40	16	2,5	3	500	32	27	46	10	13	52	**	0,4
DSTR 001 HT	30	62	37,5	30,5	20	42	20	2	5	500	38	39	65	14	21	62,5 / 63,5 / 64,8	2890	0,5
DSTR 002 HT	35	70,1	44	36	23	48	22	2	3	500	42	56	93	17	25	70,7 / 73,8	2867	0,8
DSTR 003 HT	40	77,7	48	36,5	23	53	24	2,5	3	700	46	59	102	23	33	78,1 / 78,5	2810	1
DSTR 005 HT	45	88,4	57	44	30	59	26	3	4	700	50	84	133	28	43	88,9 / 92,8	2811	1,6
DSTR 007 HT	60	108	69	55	31	71	34	3,5	4	1000	63	94	162	46	84	111,8	2862	2,7
DSTR 009 HT	60	123	72,3	56	37	80	40	4,5	4	1000	71	132	242	53	94	-	2891	3,9
DSTR 010 HT	60	149	78,5	58,5	43	103	50	4,5	4	1000	90	179	353	83	131	153,8	2757	6,6
DSTR 191 HT	60	149	86	67	45	107	50	5	4	1500	90	179	353	83	131	153,8	2757	7,2
DSTR 039 HT	80	185	95	71	55	120	63	7	7	1000	100	287	518	115	239	180	2757	7,2

Codes for "H" selection

	d	D	H	H_1	C	d_1	C_1	A	r	R	P	C	C_0	C_a	C_{0a}	Diameter on demand	Profile	Weight
				[mm]									[kN]			[mm]		
DSTR 031 HT*	35	70,4	40,5	30,5	23	48	22	2,5	4	500	42	56	93	17	25	70,1 / 70,7	3018	0,5
DSTR 004 HT	40	78,3	40,7	29	23	53	24	3	4	700	46	59	102	23	33	78,1 / 78,5	3019	0,9
DSTR 034 HT	45	89,3	50	37,5	30	59	26	3	4	800	50	84	133	28	43	88,9 / 89,4	3020	1,6
DSTR 006 HT	50	102	46	33	28	67	30	2,5	4	850	58	91	153	32	50	101,2	2912	1,7
DSTR 008 HT	55	109	53	38,5	31	71	34	3,5	4	1000	63	94	162	39	66	107,7 / 108,2	3100	2,2
DSTR 040 HT	60	124	56,5	42,5	33	78	34	2,5	4	1000	65	134	211	39	57	123	3353	3,2
DSTR 016 HT**	60	129	56,5	42,5	33	78	40	2,5	4	1000	71	126	200	42	73	-	***	3,4
DSTR 017 HT**	60	160	75,5	58,5	43	103	50	5	4	1000	90	183	353	63	94	-	***	7,9
DSTR 011 HT**	80	165	61	46	36	113	60	2,5	4	1000	100	173	306	58	111	-	***	6,3

C = *Radial dynamic load rating*

C_0 = *Radial static load rating*

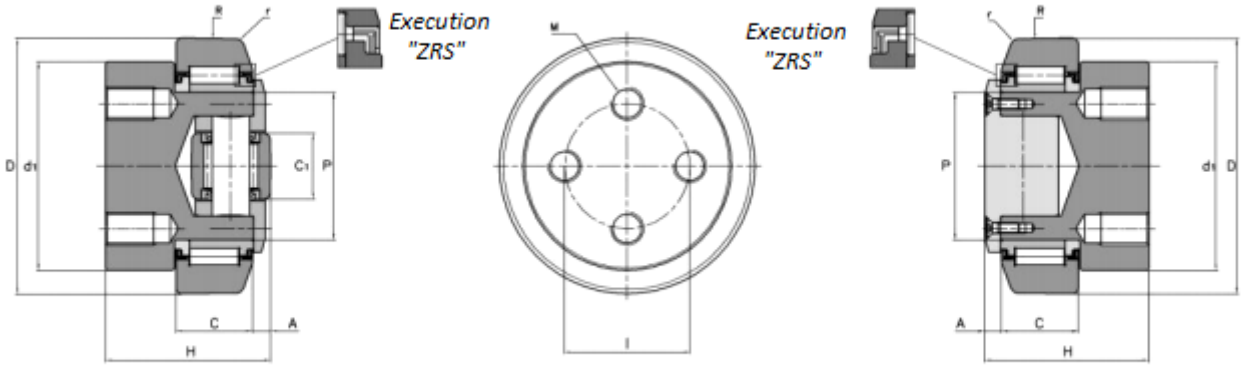
C_a = *Axial dynamic load rating*

C_{0a} = *Axial static load rating*

The bearings are in ZRS execution

** Without internal lubrication hole*
*** Special profile on demand*

ADJUSTABLE COMBINED BEARINGS WITH SUPPORT AND PIN WITH FIXING HOLES



Adjustable combined bearings with support and pin with fixing holes retain all the features important bearings combined fixed.
The substantial difference besides being able to adjust by thicknesses interposed between the support and the bearing radial the distance between bearing and profile, also the possibility of fastening the pin via studs or screws/bolts.

	d_1	D	H	M	C	I	C_1	A	r	R	P	C	C_0	C_a	C_{0a}	D. on demand	Profile	Weight
	[mm]											[KN]				[mm]		[Kg]
DSTR 7001	50	62	43	M10X13	20	30	16	5,5	3	500	38	39	65	10	13	62,5 / 64,8	2890	0,8
DSTR 7002	60	70,1	55	M12X8	23	40	16	6,5	4	500	42	56	93	10	13	70,7 / 73,8	2867	1,2
DSTR 7003	60	77,7	50,5	M12X8	23	40	21	7	4	500	46	59	102	14	21	78,1 / 78,5	2810	1,4
DSTR 7005	70	88,9	61	M14x20	30	44	21	7	3	700	50	84	133	14	21	92,8	2811	2,3
DSTR 7007	80	107,7	69	M14x22	31	54	33	8	4	1000	63	94	162	39	57	111,8	2862	3,4
DSTR 7009	100	123	75,8	M16x23	37	60	33	8	4	1000	71	132	242	39	57	127,8	2891	5,2
DSTR 7010	120	149	89	M16x23	43	80	50	15	4	1000	90	179	353	83	131	149,7 / 153,8	2757	8,3

C **=** *Radial dynamic load rating*

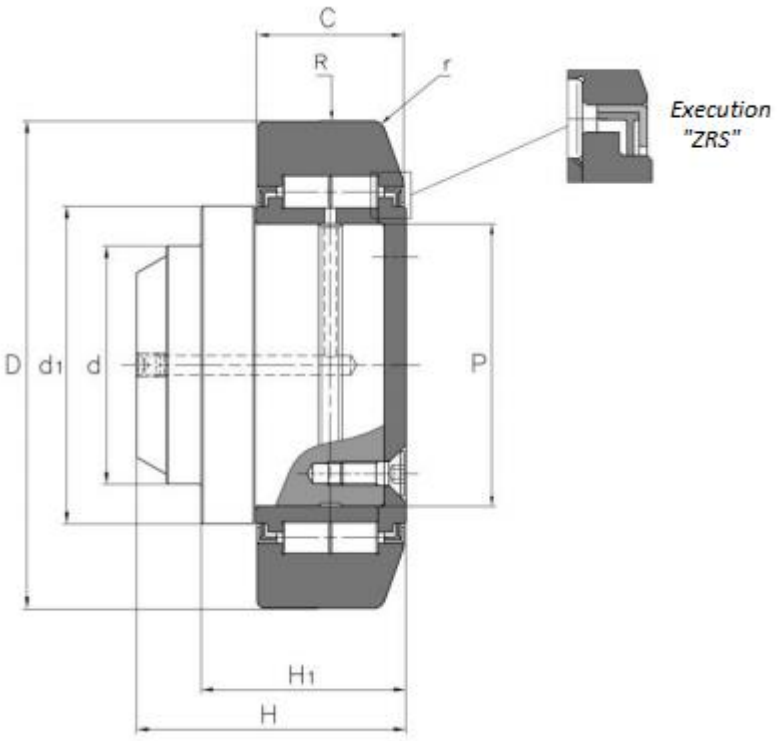
C_0 **=** *Radial static load rating*

C_a**=** *Axial dynamic load rating*

C_{0a}**=** *Axial static load rating*

All bearings are supplied with "ZRS"
** Sloped external profile*
For execution with axial support in plastic material add suffix "F" to std code.

RADIAL BEARINGS WITH STUD



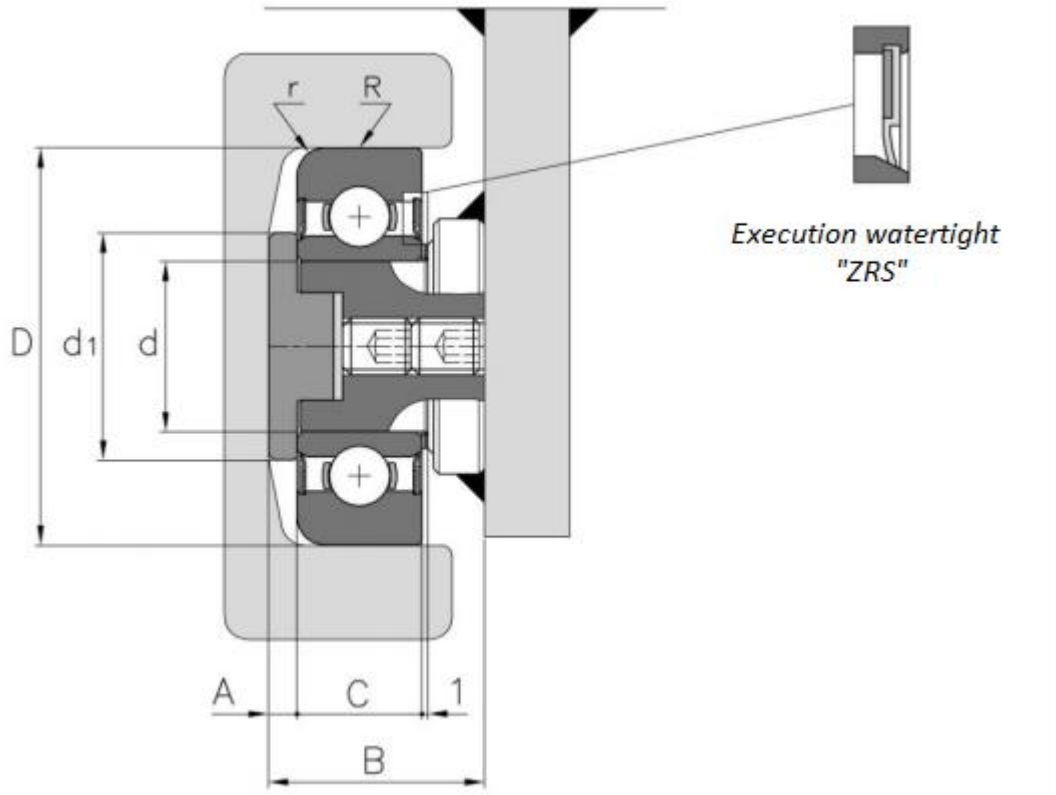
The radial bearings with stud keep the same structural features as the combined bearings. In this case there is no axial guide inside the bearing. For this reason these bearings are used in application fields where it is not necessary to bear differentiated loads.

	d	D	H	H_1	C	d_1	r	R	P	C	C_0	Diameter on demand	Profile	Weight
			[mm]							[KN]		[mm]		[Kg]
DSTR 111	30	62	36,5	29,5	20	42	3	500	38	39	65	62,5 / 64,8	2890	0,6
DSTR 112	35	70,1	42	34	23	48	3	500	42	56	93	70,7 / 73,8	2867	0,8
DSTR 113	40	77,7	44,5	33,5	23	53	3	700	46	59	102	78,1 / 78,5	2810	1,1
DSTR 115	45	88,9	54	41	30	59	4	700	50	84	133	92,8	2811	1,7
DSTR 117	60	107,7	65,5	51,5	31	71	4	1000	63	94	162	111,8	2862	2,7
DSTR 118	55	108,55	49,5	35	31	71	4	1000	63	94	162	107,7/111,8	3100	2,3
DSTR 119	60	123	67,8	51,5	37	80	4	1000	71	132	242	-	2891	3,9
DSTR 120	60	149	74	54	43	103	4	1000	90	179	353	149,7 / 153,8	2757	6,5

C *= Radial dynamic load rating*
C0 *= Radial static load rating*

The bearings are in ZRS execution

COMBINED BALL BEARINGS WITH STUD AND PLASTIC SLIDER



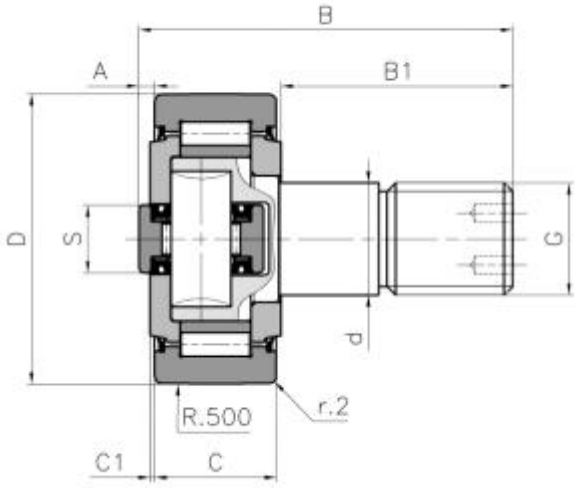
Adjustable combined bearings with plastic pad have the same characteristics as fixed combined bearings. The series in question provides an inner spheres crown and not cylindrical rollers, are therefore suitable for applications in which the loads applied are of lower intensity.

		d	D	C	d_1	B min	B max	r	R	C	C_0	Profile	Weight
SINGLE BEARING	***COMPLET SET***					[mm]				[kN]			
DSTRS 900	**DSTRSG 900**	25	62	20	32	31	33	2	500	14,3	8	**2890**	0,35
DSTRS 948	**DSTRSG 948**	25	62,4	20	32	31	33	2	500	14,3	8	**2890**	0,35
DSTRS 901	**DSTRSG 901**	30	70	22	40	36	38	5	500	19,6	13,7	**2867**	0,7
DSTRS 902	**DSTRSG 902**	30	70,8	22	40	36	38	5	500	19,6	13,7	**2867**	0,7
DSTRS 907	**DSTRSG 907**	30	78	22	40	36	38	5	500	19,6	13,7	**2810**	0,85

C *= Radial dynamic load rating*
C0 *= Radial static load rating*

The bearings are in "2RS" execution

CAM FOLLOWERS FIXED COMBINED WITH AXIAL STEEL ROLLERS



The main feature of this series is the high thickness of the outer ring, suitable to withstand the high pressures, the bumps that characterize the use of these bearings and in the while ensuring axial support.

	D	B	d	B1	C	C_1	A	G	S	C	C_0	C_a	C_{0a}	Weight
					[mm]						[kN]			
DSPFC 052	52	66	20	40,5	22	0,8	2,8	M20x1,5	13	33	50	7,2	8,6	0,55
DSPFC 062	62	80	24	49,5	26	1	3,5	M24x1,5	14,5	50	79	9	11,7	0,95
DSPFC 072	72	80	24	49,5	26	1	3,5	M24x1,5	14,5	50	79	9	11,7	1,15
DSPFC 080	80	100	30	63	32	1	4	M30x1,5	18	83	127	15,2	23,5	1,6
DSPFC 090	90	100	30	63	32	1	4	M30x1,5	18	83	127	15,2	23,5	1,9
DSPFC 120	120	100	30	63	32	1	4	M30x1,5	18	83	127	15,2	23,5	3,4

On the main pin there are reference niches for the correct mounting is provided, if an eccentric adjustment bush on the pin is required.

MATERIALS

Outer rings: 18NiCrMo5 cemented, tempered

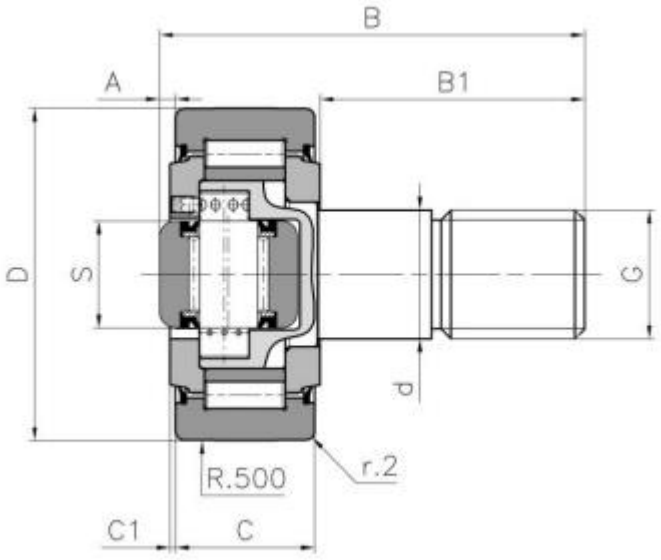
Inner rings: 100Cr6 hardened and found with a final hardness of 60 ± 2 HRc

Studs: Fe 52 is not thermally treated

Fifth wheels: 20MnCr5 cemented, hardened and found with final surface hardness of 60 ± 2 HRc

The bearings are in "ZRS" execution

CAM FOLLOWERS ADJUSTABLE COMBINED THROUGH ECCENTRIC PIN WITH AXIAL STEEL ROLLER



The main feature of this series is the high thickness of the outer ring, suitable to withstand the high pressures, the bumps that characterize the use of these bearings while at the same time ensuring lateral support clearing any axial games.

	D	B	d	B1	C	C_1	Amin	Amax	G	S	C	C_0	C_a	C_{0a}	Weight
							[mm]					[kN]			
DSPFCR 062	62	80	24	49,5	26	1	2,8	4,3	M24x1,5	14,5	50	79	9	11,7	0,95
DSPFCR 072	72	80	24	49,5	26	1	3,5	5	M24x1,5	14,5	50	79	9	11,7	1,15
DSPFCR 080	80	100	30	63	32	1	4	6	M30x1,5	18	83	127	15,2	23,5	1,6
DSPFCR 090	90	100	30	63	32	1	4	6	M30x1,5	18	83	127	15,2	23,5	1,9
DSPFCR 120	120	100	30	63	32	1	4	6	M30x1,5	18	83	127	15,2	23,5	3,4

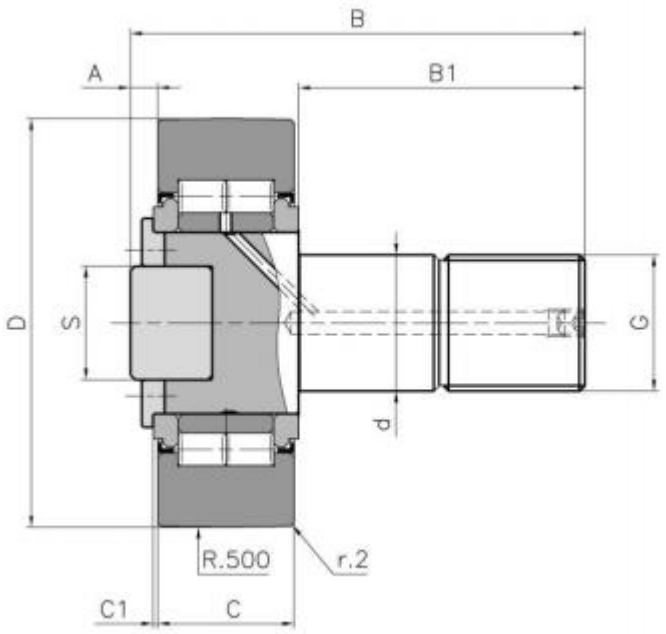
On the main pin there are reference notches for the correct mounting, it is provided, if an eccentric adjustment bush on the pin is required.

MATERIALS

Outer rings: 18NiCrMo5 cemented, tempered
Inner rings: 100Cr6 hardened and found with a final hardness of 60 ± 2 HRc
Studs: Fe 52 is not thermally treated
Fifth wheels: 20MnCr5 cemented, hardened and found with final surface hardness of 60 ± 2 HRc

The bearings are in ZRS execution

CAM FOLLOWERS FIXED COMBINED WITH AXIAL PLASTIC SLIDER



The main feature of this series is the ductility of these bearings.
With the lateral contrast, they are eliminated axial games.

	D	B	d	B1	C	C_1	A	G	S	C	C_0	Weight
	[mm]									[kN]		
DSPFC 052.F	52	68	20	41	24	0,5	3	M20x1,5	15	29	40,5	0,45
DSPFC 062.F	62	82	24	50	28	0,5	3,5	M24x1,5	18	40	55	0,85
DSPFC 072.F	72	82	24	50	28	0,5	3,5	M24x1,5	21	45	65	1
DSPFC 080.F	80	100	30	63	30	1	6	M30x1,5	25	56	80	1,45
DSPFC 090.F	90	100	30	63	30	1	6	M30x1,5	25	66	101	1,7

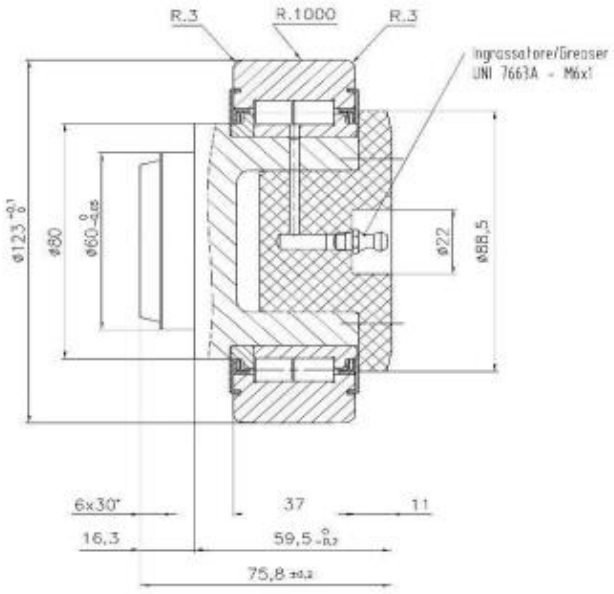
An eccentric adjustment bush on the pin is provided if necessary.

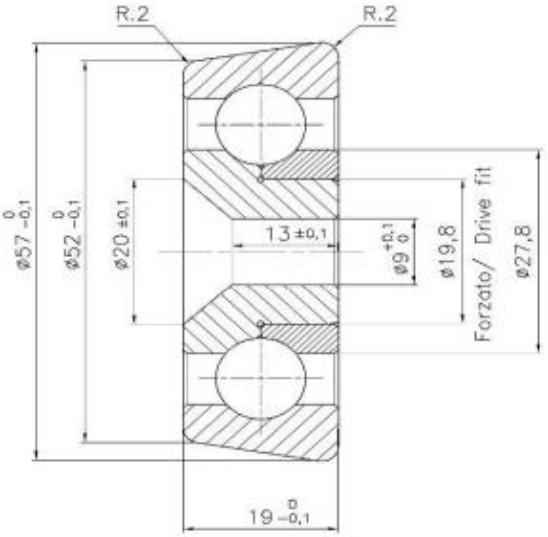
MATERIALS

Outer rings: 18NiCrMo5 cemented, tempered
Inner rings: 100Cr6 hardened and found with a final hardness of 60 ± 2 HRc
Studs: Fe 52 is not thermally treated
Fifth wheels: 20MnCr5 cemented, hardened and found with final surface hardness of 60 ± 2 HRc
Buffer: ertactal Pom-H (plastic material)

The bearings are in “ZZ” execution

EXAMPLES OF BEARINGS IN STEEL “INOX”





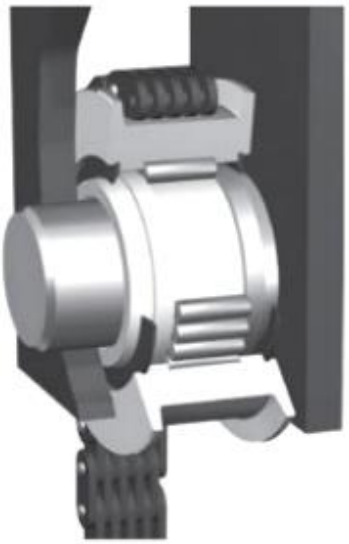
CYLINDRICAL ROLLERS IN INOX MATERIAL

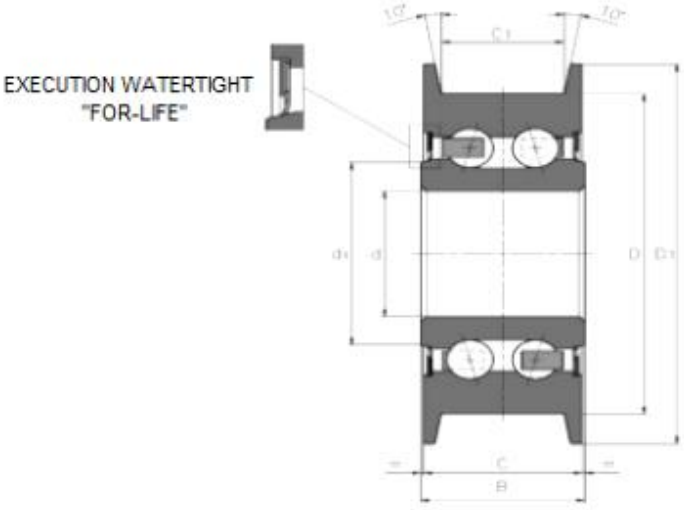
BEARINGS BALL IN INOX MATERIAL

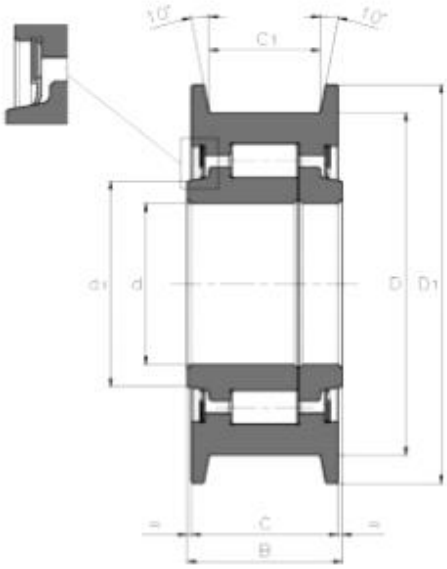
All versions shown on this catalog are also available in stainless steel.

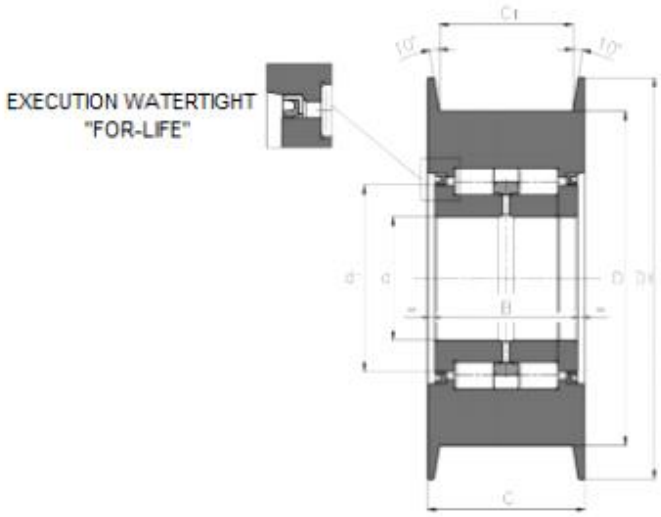
For projects, materials and methods of use for heavy environments, it is necessary to interfere with the our technical office.

METHOD OF USE CHAIN PULLEYS









Pulleys are suitable for chain extensions and are used as lifting elements of any kind.

CHAIN PULLEYS FOR LOW AND MEDIUM CAPACITIES

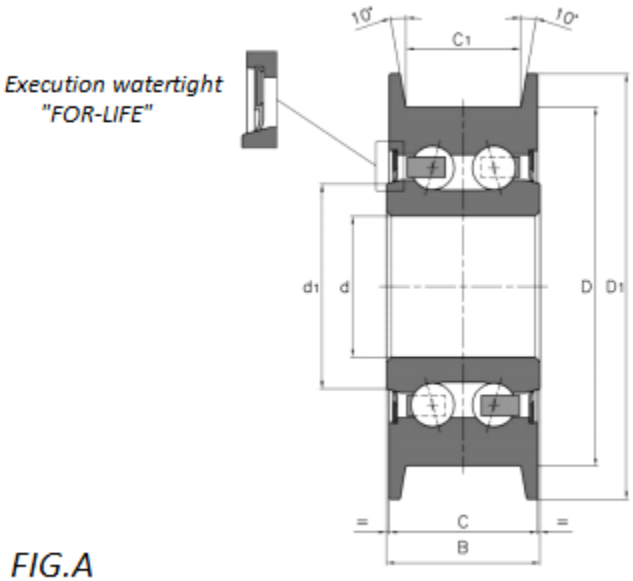


FIG.A

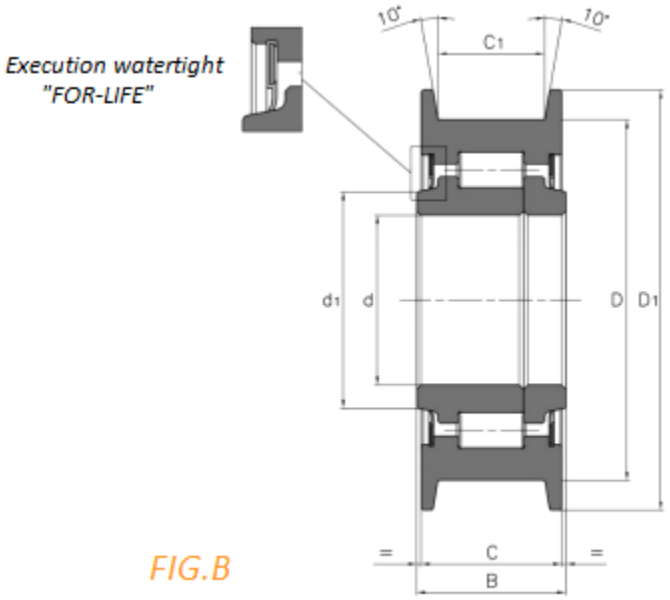


FIG.B

DISTITEC cylindrical roller pulley or pulley with balls are suitable to gear Fleyer chains. They are used as lifting parts in fork lifts masts for low and medium capacity. They are supplied pre-lubricated and with seals.

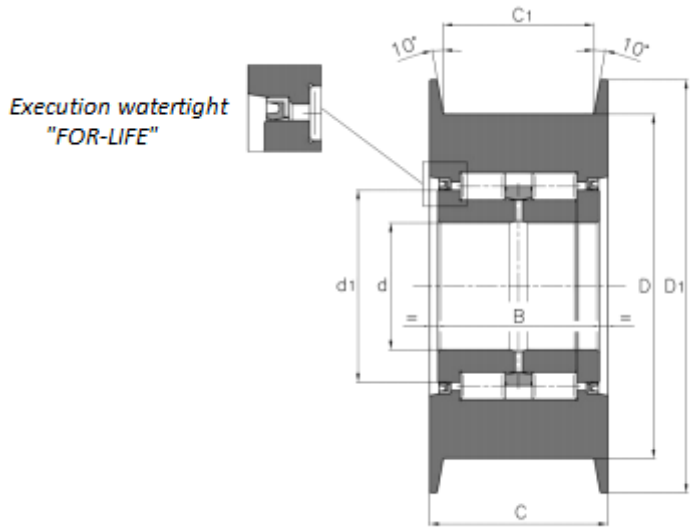
(A) BALLS	d	D	D1	B	C	C1	d1	C	C0	Weight		Chain	
				[mm]						[Kg]			
DSTRS 1256	30	82	97	33,5	32	22	47,5	40	35	0,8	**BL 544**	**AL 466**	**LL 1062**
DSTRS 1257	35	105	120	41	40	31	57	51	38	1,1	**BL 644**	**AL 844**	**LL 1644**
DSTRS 1240	40	75	85	28	26	19	50	34	30	0,45	**BL 534**	**AL 544**	**LL 1044**
DSTRS 1239	40	80	90	28	26	19	50	34	30	0,7	**BL 534**	**AL 544**	**LL 1244**
DSTRS 1238	40	85	98	38	36	28	50	63	48	1,1	**BL 634**	**AL 644**	**LL 1266**
DSTRS 1237	40	80	98	43	41	33	50	63	48	1,1	**BL 634**	**AL 666**	**LL 1288**
DSTRS 1236	50	100	115	42	40	33	60	72	60	1,5	**BL 834**	**AL 844**	**LL 1644**
DSTRS 1235	55	110	135	58	56	45	70	90	75	1,5	**BL 846**	**AL 866**	**LL 1666**
DSTRS 1234	55	130	158	67	65	55	65	104	90	3,1	**BL 1046**	**AL 1066**	**LL 2066**

(B) ROLLERS	d	D	D1	B	C	C1	d1	C	C0	Weight		Chain	
				[mm]					[kN]	[Kg]			
DSTR 051	40	70	78	26,5	25	19	46,5	51	74	0.5	**BL 534**	**AL 544**	**LL 1044**
DSTR 052	40	80	90	28	26	19	46,5	62	88	0.8	**BL 534**	**AL 544**	**LL 1244**
DSTR 053	40	85	99	38	36	28	51	86	125	1.2	**BL 634**	**AL 544**	**LL 1266**
DSTR 054	40	80	98	43	41	33	50	96	139	1,2	**BL 634**	**AL 644**	**LL 1288**
DSTR 055	50	100	115	42	40	33	60	117	192	1,7	**BL 834**	**AL 666**	**LL 1644**
DSTR 056	55	110	135	58	56	45	70	146	241	1,7	**BL 846**	**AL 866**	**LL 1666**
DSTR 057	55	130	158	67	65	55	73,5	253	397	3,5	**BL 1046**	**AL 1066**	**LL 2066**

C *= Radial dynamic load rating*
C0 *= Radial static load rating*

The bearings are in "2RS" execution

CHAIN PULLEYS FOR HIGH CAPACITIES



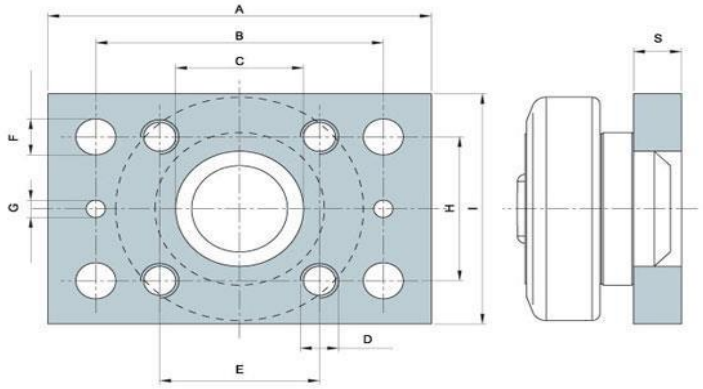
DISTITEC cylindrical roller pulley or pulley with balls are suitable to gear Fleyer chains. They are used as lifting parts in fork lifts masts for high capacity. They are supplied pre-lubricated and with seals.

	d	D	D1	B	C	C1	d1	C	C0	Weight	Chain		
				[mm]				[kN]		[Kg]			
DSTR 060	80	157	187	68	88	72	100	336	570	4,5	**BL 1246**	**AL 1266**	**LL 2466**
DSTR 061	100	184	218	85	106	88	125	381	694	16,5	**BL 1466**	**AL 1466**	**LL 2866**
DSTR 062	110	212	256	95	120	98	155	528	985	23,5	**BL 1666**	**AL 1666**	**LL 3266**
DSTR 063	110	212	256	125	150	128	150	720	1635	29	**BL 1688**	**AL 1688**	**LL 3288**

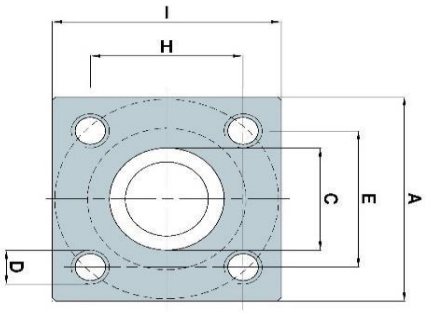
C *= Radial dynamic load rating*
C0 *= Radial static load rating*

The bearings are in "2RS" execution

FIXING PLATES LIGHT AND HEAVY SERIES



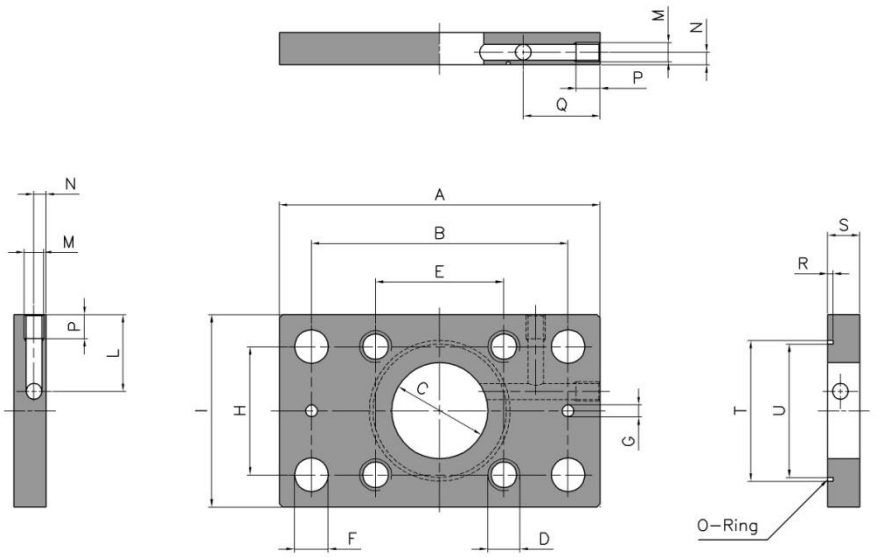
CODE	A	B	C	D	E	F	H	I	S	*suitable for DSTR series bearing in catalog*
DSPTR 706	90	70	30	M8	40	8,5	30	50	10	706
DSPTR 001	100	80	30	M10	40	10,5	40	60	10	001-146-111-961-062
DSPTR 002	120	90	35	M12	50	12,5	50	80	15	002-031-032-147-112-962-070
DSPTR 003	120	90	40	M12	50	12,5	50	80	15	003-004-148-149-113-963-078
DSPTR 004	120	90	40	M12	50	12,5	50	80	15	003-004-148-149-113-963-078
DSPTR 005	160	120	45	M16	60	17	60	100	20	.005-034-035-150-115-964-089
DSPTR 007	180	140	60	M16	80	17	80	120	20	.007-009-040-967-016-142-153-108-123
DSPTR 008	180	140	55	M16	80	17	80	120	20	.008
DSPTR 009	180	140	60	M16	80	17	80	120	20	.007-009-040-967-016-142-153-108-123
DSPTR 010	200	160	60	M16	100	17	100	150	20	010-191-011.154-968-149



"Q" SERIES

CODICE	*A*	*B*	*C*	*D*	*E*	*F*	*H*	*I*	*S*	*suitable for DSTR series bearing in catalog*
DSPTR 706.Q	50	30	30	M8	30	/	30	50	10	706
DSPTR 001.Q	60	40	30	M10	40	/	40	60	10	001-146-111-961-062
DSPTR 002.Q	80	50	35	M12	50	/	50	80	15	002-031-032-147-112-962-070
DSPTR 003.Q	80	50	40	M12	50	/	50	80	15	003-004-148-149 113-963-078
DSPTR 005.Q	120	90	45	M16	60	/	60	120	20	.005-034-035-150 115-964-089
DSPTR 007.Q	120	80	60	m16	80	/	80	120	20	.007-009-040-967-016-142-153-108-123
DSPTR 010.Q	150	100	60	M16	100	/	100	150	20	010-191-011.154-968-149
DSPTR 011.Q	165	125	80	M20	125	/	125	165	23	.011-012
DSPTR 012.Q	190	150	100	M20	150	/	150	190	28	.011-012
DSPTR 013.Q	220	176	110	M24	176	/	176	220	33	.013
DSPTR 014.Q	250	206	120	M24	206	/	206	250	37	.014
DSPTR 015.Q	280	220	150	M30	220	/	220	280	37	.014-015

FIXING PLATES RECHARGEABLE SERIES

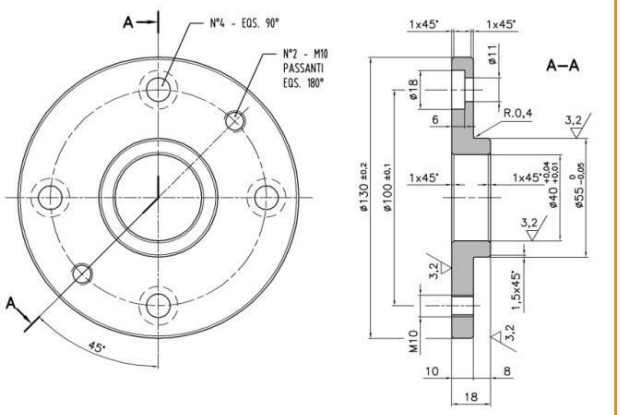


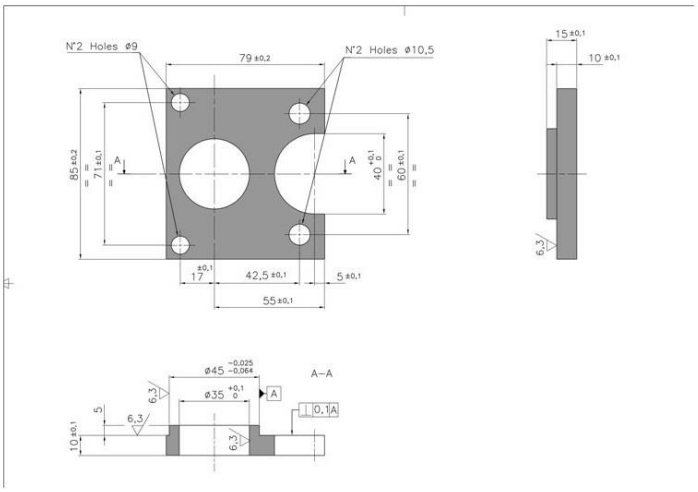
CODE	A	B	C	D	E	F	G	H	I	S	L	M	N	P	Q	R	T	U	O-RING
DSPTR 001.R	100	80	30	M10	40	10,5	6	40	60	10	22	6	5	10	20	1,4	41	36	2150
DSPTR 002.R	120	90	35	M12	50	12,5	6	50	80	15	32	6	6	10	25,5	1,4	48	43	2175
DSPTR 003.R	120	90	40	M12	50	12,5	6	50	80	15	32	6	6	10	25,5	1,4	51	46	2187
DSPTR 005.R	160	120	45	M16	60	17	6	60	100	15	42	6	6	10	35	2,2	61	54	3218
DSPTR 007.R	180	140	60	M16	80	17	6	80	120	20	52	6	6	10	35	2,2	78	71	3287
DSPTR 010.R	200	160	60	M16	100	17	6	100	150	20	67	6	7	10	35	2,2	78	71	3287

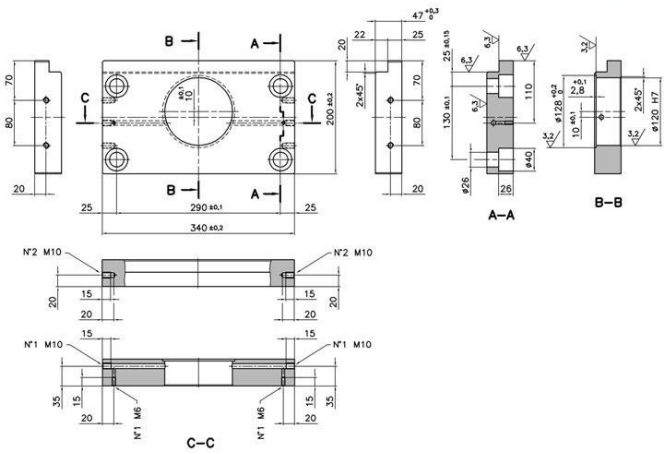
The plates of fixing rectangular damage the possibility to effect the rilubrificazione from two sides.

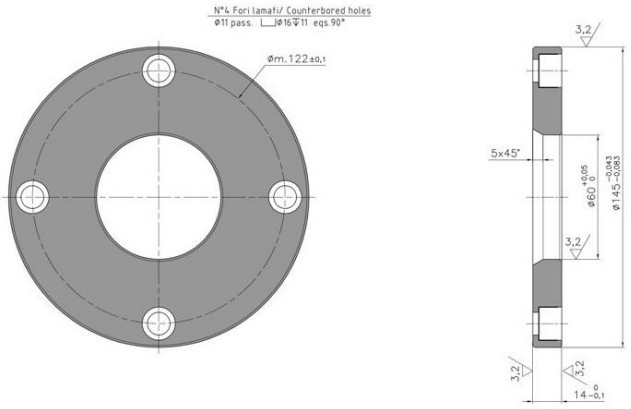
Complete supply of 1 Nipplo for lubrication M6x1 + Or-Ring

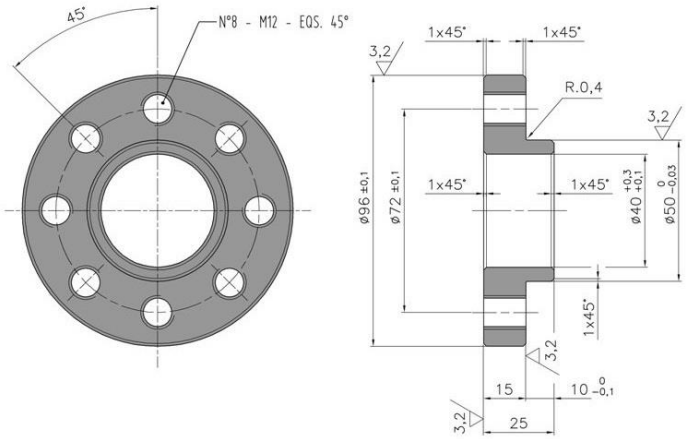
SPECIAL DRAWING PLATES







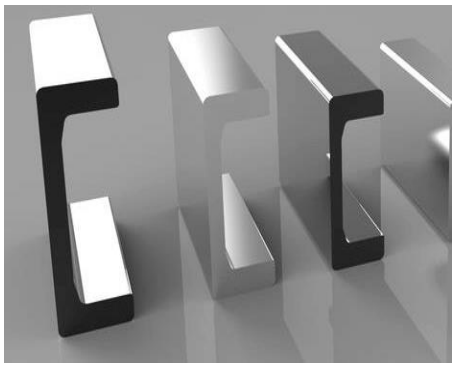


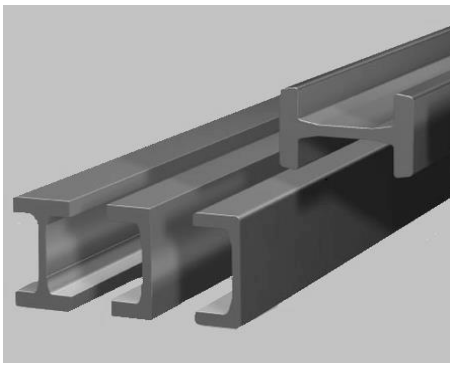


STEEL PROFILES AND USEFUL PRESSURE CALCULATIONS SPECIFIED ON THE PROFILES

These profiles are proper to fittings of lifting for heavy loads:

In the sector of the carts industrial elevators, in the equipments for the industrial movimentazione, and having a different ability of load between them, also in the systems of stoccaggio and selves.





When an application involves the use of combined bearings and rolled profiles in addition to the dimensioning of the
bearing (see previous paragraphs) must also pay attention to the resistance of the profile that unlike the bearing does not
require heat treatments that increase the structural strength. Roller profiles type HOESCH supplied from DISTITEC S.R.L. are in structural steel Fe 510C (ST 52-3 U). The resistance of this material is the following:

P0 = 750 N/mm2

For this calculation uses the formula derived from the HERTZ theory relative to the crushing and to the specific pressure that is generated between two solid bodies elastic contact linear subjected to a load. Given the complexity of the calculation suggest that you contact our technical department.

LIFETIME CALCULATION

It depends on the applied load and the number of revolutions and is calculated in the following way:

$$L = (C/P)P \qquad Lh=(16666/n)x(C/P)p$$

$L = 10^6$ *Basic rating life in millions of revolutions is reached or exceeded by 90% of a sufficiently representative number of identical bearings, before showing the first signs of material fatigue.*

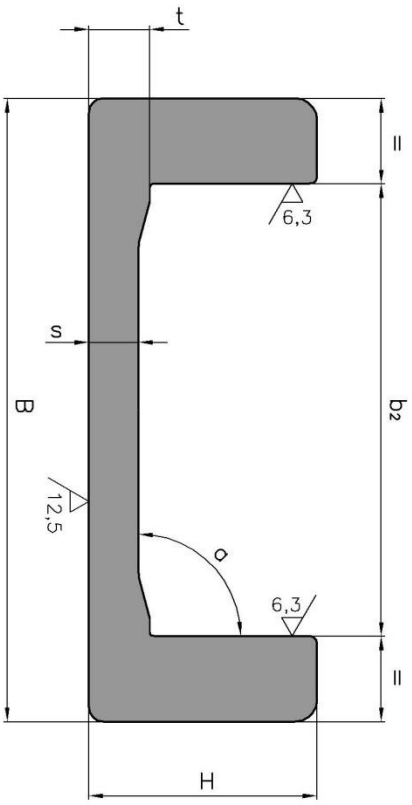
Lh *Life in hours of operation, corresponding to the definition L.*

C *Dynamic load rating. For C radial bearings corresponds to a load of constant magnitude and direction after which a sufficiently representative number of identical bearings reaches a nominal life of one million revolutions.*

P *Equivalent bearing load.*

p=10/3 *Life exponent for radial bearings and cylindrical roller bearings.*

“U" LAMINATED SHAPE STEEL SECTION

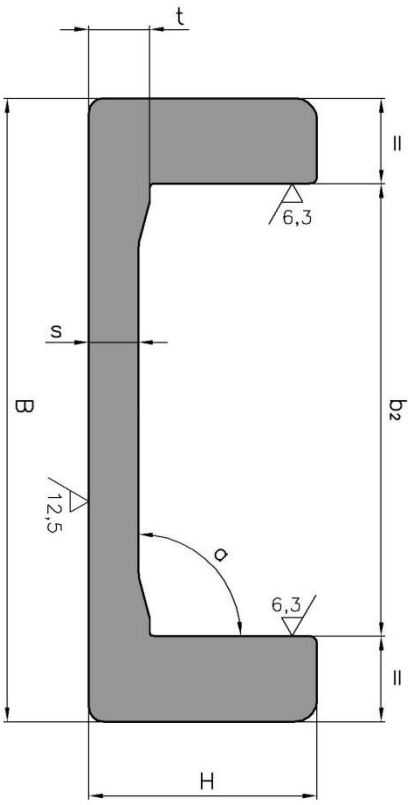


The laminated “U” profiles normally come used in different industrial sectors where is necessary a linear handling. They find a wide use in the fork lift masts but also in the food industry, textile and automotive. Within these profiles, sliding bearings of all the types with external profile centered and not inclined, small and medium size.

Code	b2	Toll.	B	b1	Toll.	H	Toll.	s	Toll.	t	α	Toll.	weight	Wx	Wy
					[mm]							[°]	[Kg/m]	[cm^3]	
2890	62,5	±0,5	86,5	12	±0,5	36	±0,8	7	±0,5	7	90	±1	10,5	31,7	6,6
2867	70,8	±0,5	103,2	16,2	±0,5	40	±0,8	7,7	±0,5	8,5	90	±1	14,8	53	10,9
2810	78,7	±0,5	121,3	21,3	±0,5	41	±0,8	10,8	±0,5	9	90	±1	20,9	81	14,8
2811	89,4	±0,5	135,4	23	±0,5	53	±0,8	12,7	±0,5	9	90	±1	28,6	128	27
2862	108,4	±0,5	157,2	24,4	±0,5	61,2	±0,8	14	±0,5	9	90	±1	35,9	190	39
2891	123,8	±0,5	175	25,6	±0,5	66,2	±0,8	16,2	±0,5	9	90	±1	42,9	250	48
2757	150,1	±0,5	201,5	25,7	±0,5	71,2	±0,8	19,4	±0,5	11,5	90	±1	52,3	340	57
W0018-10	181,1	±0,5	252,5	35,7	±0,6	90	±1	19,4	±0,6	10	90	±1	78,7	681,	125,1

Material: UNI Fe 510C - Wnr. 1.0553 - DIN St. 52-3 U - EN 10025 (S355J0)
Max production length: 12 meters

“U" WORKED SHAPE STEEL SECTION



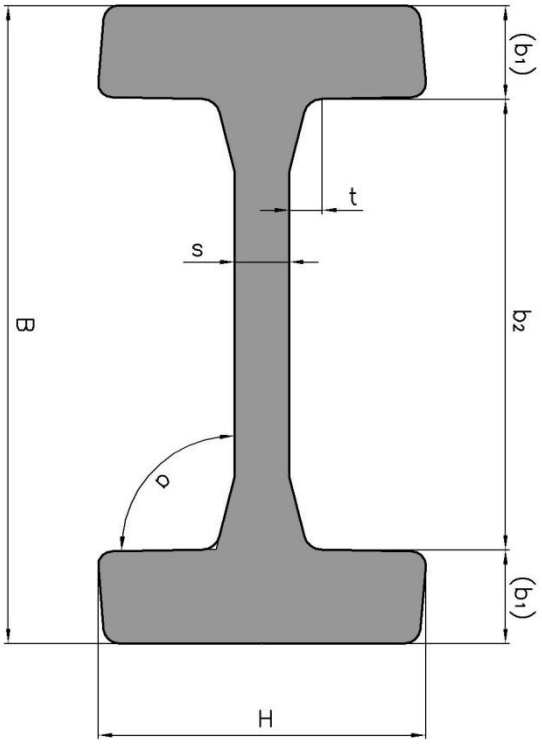
“U” shape milled profiles are obtained directly from “U” rolled profiles. The faces on which slide combined bearings are processed through the machine tool, obtaining an excellent degree of surface finishing together extremely small tolerances. This ensures absolute precision of a coupling between bearing and profile, reducing to limit the clearance between them, making it an excellent economical alternative to linear guides in trade.

Code	b2	Toll. B	b1	Toll. H	Toll. s	Toll. t	α	Toll.	weight	Wx	Wy
	[mm]						[°]		[Kg/m]	[cm3]	
2890L	65	±0,15 86,5	/	±1,5 35	±0,2 6,5	±0,2 9	90	±0,5	9,44	28,3	10,7
2867L	74	±0,15 103	/	±1,5 39	±1,5 7	±0,2 10	90	±0,5	13,14	48,2	16,3
2810L	82	±0,15 121	/	±1,5 39	±1,5 9	±0,2 13	90	±0,5	17,87	73,5	21,4
2811L	93	±0,15 135,5	/	±1,5 51	±1,5 11	±0,2 15	90	±0,5	25,16	116,9	39,6
2862L	112	±0,15 157	/	±1,5 59	±1,5 12	±0,2 17	90	±0,5	31,47	172,9	59,1
2891L	128	±0,15 175	/	±1,5 64	±1,5 14	±0,2 17	90	±0,5	37,71	198	66,4
2757L	154	±0,15 201	/	±1,5 69	±1,5 17	±0,2 20	90	±0,5	45,98	269,4	74,8
W0018-10L	185,1	±0,15 252,5	/	±1,5 87	±1,5 16,4	±0,2 20	90	±0,5	70,6	633,7	111,9

Material: UNI Fe 510C - Wnr. 1.0553 - DIN St. 52-3 U - EN 10025 (S355J0)

Max production length: 12 meters

“H" LAMINATED SHAPE STEEL SECTION

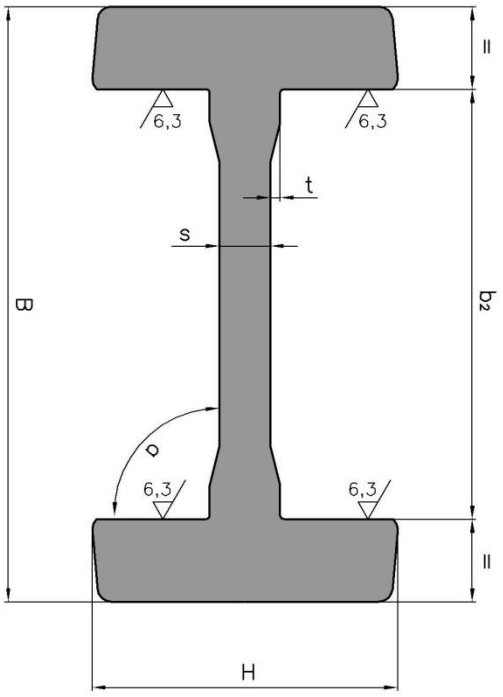


Standard “H” profiles are exclusively used to build the fork lift masts. Within these profiles slide combined bearings of all typologies with external profile inclined for a perfect coupling with profile.

Code	b2	Toll.	B	b1	Toll.	H	Toll.	s	Toll.	t	α	Toll.		Wx	Wy
					[mm]							[°]	[Kg/m]	[cm4]	
3018	70	1	98	14	±0,5	65	±1	9	±0,5	7	91	1	19,4	70,2	17,7
3019	77,9	1	113,9	18	±0,5	66	±1	11	±0,5	9	91	1	25,3	101,8	23,2
3020	88,6	1	129,6	20,5	±0,5	81	±1,25	12	±0,5	9	91	1	34,1	160	40
3100	108,4	±0,5	152,4	22	±0,5	83	±1	14	±0,5	9	91	1	40,5	219,2	45,6
3353	123,8	±0,5	175	25,6	±0,5	90	±1,3	15	±0,5	12,5	91	1	51,4	322	64,7

Material: UNI Fe 510C - Wnr. 1.0553 - DIN St. 52-3 U - EN 10025 (S355J0)
Max production length: 12 meters

“H" WORKED SHAPE STEEL SECTION

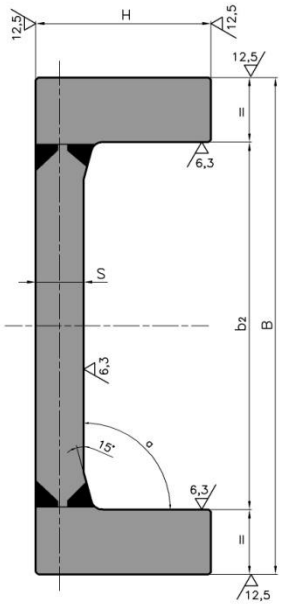


“H” shape milled profiles are obtained directly from “H” rolled profiles. The faces on which slide combined bearings are processed through the machine tool, obtaining an excellent degree of surface finishing together extremely small tolerances. This ensures absolute precision of a coupling between bearing and profile, reducing to limit the clearance between them, making it an excellent economical alternative to linear guides in trade.

Code	b2	Toll.	B	b1	Toll.	H	Toll.	s	Toll.	t	α	Toll.		Wx	Wy
					[mm]							[°]	[Kg/m]	[cm4]	
4100L	112,5	±0,15	152,4	/	±1	83	/	14	±0,5	4,7	90	±0,5	38,7	210	40,7
4353L	127,8	±0,15	175	/	±1,3	90	/	15	±0,5	5,5	90	±0,5	49,5	311	60,4

Material: UNI Fe 510C - Wnr. 1.0553 - DIN St. 52-3 U - EN 10025 (S355J0)
Max production length: 12 meters

"U" SHAPE WELDED AND MILLED STEEL SECTION LIGHT AND HEAVY SERIES

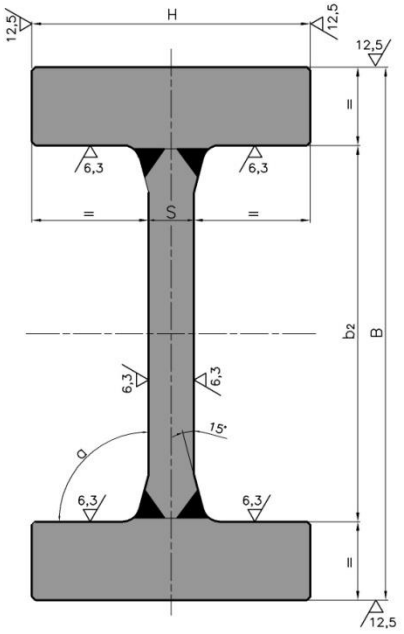


Code	b2	Toll.	B	Toll.	H	Toll	S	C	α	Toll.	Weight	Wx	Wy	Jx	Jy
				[mm						[°]	[Kg/m]	[cm		[cm	
FC 123	123,	±0,1	17	±1,5	57,	±1	16	*	9	±0,5	42,37	249	87	2181,5	2
FC 149	149,	±0,1	20	±1,5	71,	±1	19,	*	9	±0,5	52,31	345	114	3480,6	3
FC 165	165,	±0,1	23	±1,5	67,	±1	18	80	9	±0,5	53,3	384	88	383,5	1
FC 190	190,	±0,1	25	±1,5	77	±1	22	80	9	±0,5	73,7	599	168	7631,6	4
FC 220	220,	±0,1	29	±2	85	±1	20	12	9	±0,5	86,1	657	323	12633	6
FC 250	250,	±0,1	34	±2	94	±1	26,	12	9	±0,5	122,8	1359	345	1117,4	1
FC 280	280,	±0,1	39	±2	114	±1	26,	12	9	±0,5	161,9	2156	577	42473	2

This profiles are derived by welding standard roller plats or plats obtain with laser cutting. Then they are straightened and milled on those faces which run on the bearings.
Despite they are the large size, provide a good precision and good coupling between bearings and profiles. They are used in heavy industry, for uprights of fork lift of high capacity and for machinery or handling of high size.

Material: UNI Fe 510C - Wnr. 1.0553 - DIN St. 52-3 U - EN 10025 (S355J0)
Max production length: 12 meters

"H" SHAPE WELDED AND MILLED STEEL SECTION LIGHT AND HEAVY SERIES



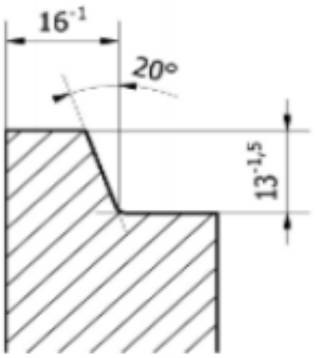
Code	b_2	Toll.	B	Toll.	H	Toll.	S	C	α	Toll.	Weight	Wx	Wy	Jx	Jy
				[mm]						[°]	[Kg/m]	[cm^3]		[cm4]	
FM 108	108	±0,2	153	/	80		13	/	90	±0,5	39,8	223,3	48,5	1708,0	194
FM 123	123,3	±0,2	176	/	90	±1	15	/	90	±0,5	52,3	335,6	71,9	2952,9	323,8
FM 149	149,3	±0,2	205	/	118	±1	18	/	90	±0,5	72,9	560,3	130,4	5742,0	769,5
FM 165	165,4	±0,15	230	±1,5	95	±1	16	70	90	±0,5	71	600	99	6894	472
FM 190	190,4	±0,15	255	±1,5	130	±1	20	70	90	±0,5	100	941	185	12002	1203
FM 220	220,4	±0,15	295	±1,5	150	±1	20	90	90	±0,5	128	1423	283	20991	2119
FM 250	250,4	±0,15	345	±1,5	160	±1	25	90	90	±0,5	175	2206	406	37838	3274
FM 280	280,4	±0,15	395	±2	190	±1	30	120	90	±0,5	245	2942	578	55163	5492

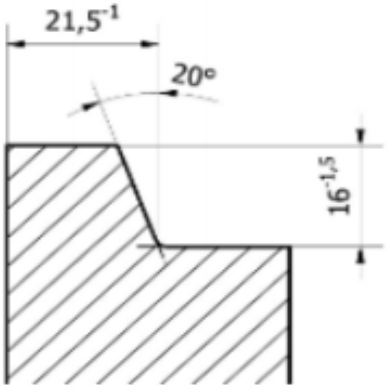
This profiles are derived by welding standard roller plats or plats obtain with laser cutting. Then they are straightened and milled on those faces which run on the bearings. Despite they are the large size, provide a good precision and good coupling between bearings and profiles. They are used in heavy industry, for uprights of fork lift of high capacity and for machinery or handling of high size.

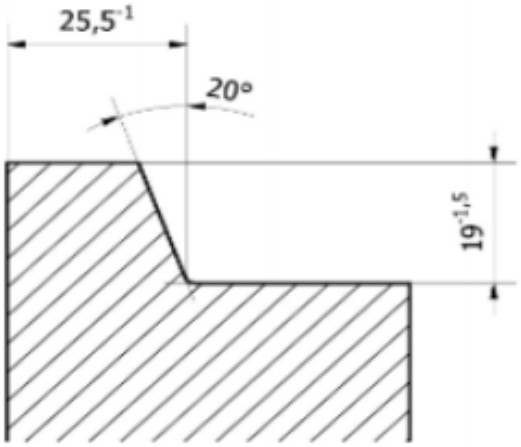
Material: UNI Fe 510C - Wnr. 1.0553 - DIN St. 52-3 U - EN 10025 (S355J0)
Max production length: 12 meters

Code	h	b	weight	Wx	Wy	profile	class FEM
	mm	mm	kg/m	cm^3	cm^3	Rif.(1)	DIN 15173
.001	100	30	22	38	13	3285	I
.002	127	26	24,8	58	13	2809	I
.003	127	32	30,2	68	20	2942	I
.004	150	30	33,9	93	21	2783	I
.501	60	39	15,6	16	13	3401	I
.005	110	32	25,9	50	17	3283	II
.006	110	38	30,5	57	24	3284	II
.007	150	35	39,1	107	28	2807	II
.008	150	38	42,5	114	34	2805	II
.009	152	32	36,2	102	24	2806	II
.502	60	50	20	20	22	3402	II
.010	115	40	33,4	67	27	3298	III
.011	148	40	43,8	117	36	3286	III
.012	148	45	48,9	129	46	3287	III
.013	180	38	51,3	172	40	2808	III
.014	180	45	60,1	198	56	2784	III
.503	70	50	23,6	29	26	3403	III
.504	90	60	37,4	59	49	3472	III
.015	180	57	75,2	240	89	2785	IV
.505	100	70	48	83	73	3473	IV

.(1) Laminated identification codes







STEEL CARRIAGE SECTION

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