DISTITEC®

COMBINED BEARINGS FOR STEEL PROFILES CATALOGUE

DISTITEC S.R.L. | info@distitec.it | www.distitec.com

INTRODUCTION

This catalogue provides an overview of the products that DISTITEC produces partly in outsourcing in the field of HANDLING INDUSTRIAL. Linear handling is present in many industry sectors.

For many years DISTITEC has been supplying companies operating in the sector of regular and heavy lifting, manufactures or repairs of forklifts as well as companies working in the: TEXTILE, ROBOTICS, STEEL, AUTOMATIC PALLETISING and NAVAL sectors.

DISTITEC 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 carry out 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 customers' requests with a short delivery time.

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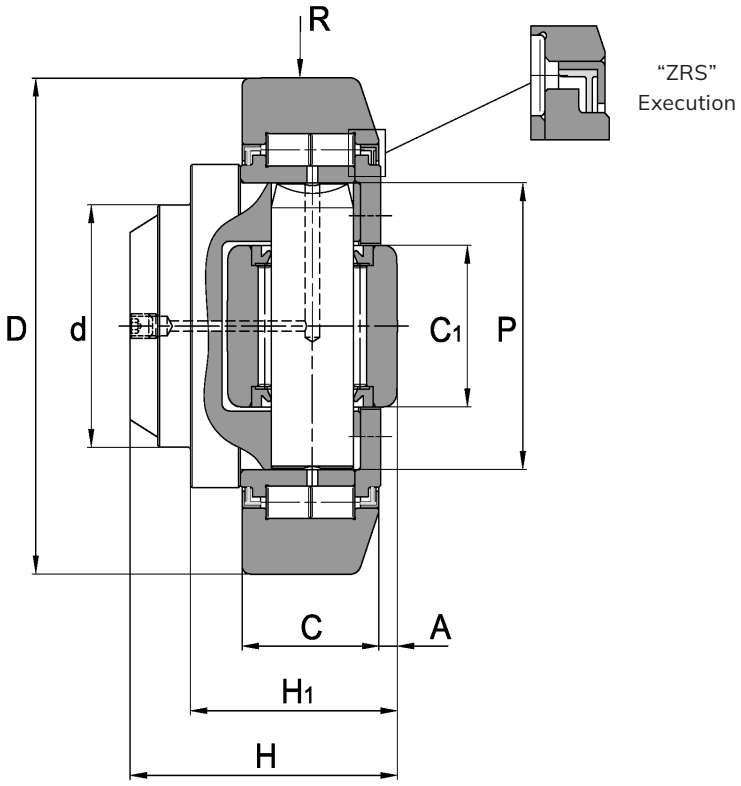
FIXED COMBINED BEARINGS FOR "U" SHAPE STEEL SECTION

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.



	d	D	H	H_1	C	C_1	A	R	C	C_0	C_a	C_{0a}	Profile	Weight
	[mm]								[kN]				Cod.	[Kg]
DSTR 0706 *	30	52,5	33	27	19	16	2,5	500	22	39	8,5	13	**	0,4
DSTR 0001	30	62	37,5	30,5	20	20	2,5	500	35	65	12	21	2890	0,5
DSTR 0002	35	70,1	44	36	23	22	2,5	500	50	93	15	25	2867	0,8
DSTR 0003	40	77,7	48	37	23	24	3	700	54	102	18	32	2810	1
DSTR 0005	45	88,4	57	44	30	26	3,5	700	74	134	24	43	2811	1,6
DSTR 0007	60	107,7	69	55	31	34	4	1000	86	162	34	66	2862	2,7
DSTR 0009	60	123	72,3	56	37	40	4,5	1000	122	242	46	93	2891	3,9
DSTR 0010	60	149	78,5	58,5	43	50	5	1000	169	353,5	71	131	2757	6,6
DSTR 0191	60	149	86	67	45	50	5,5	1500	169	353	71	131	2757	7,2
DSTR 0039	80	185	95	71	55	63	7	1000	287	518	115	239	W0018-10L	7,2

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

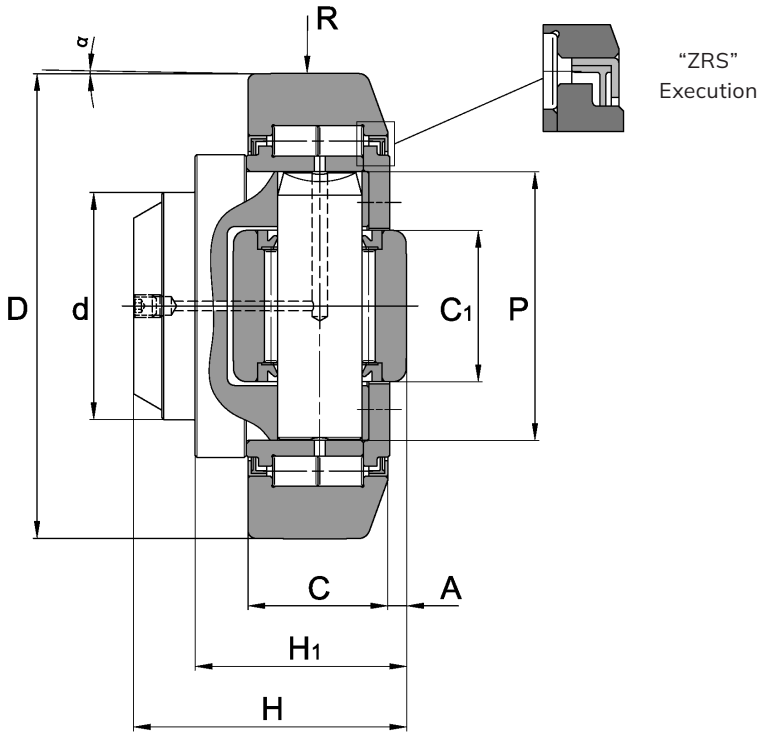
**Special profile on request

For any further requests or technical information, please consult our technical department

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.



	d	D	H	H_1	C	C_1	A	R	C	C_0	C_a	C_{0a}	Profile	Weight
	[mm]								[kN]				Cod.	[Kg]
DSTR 0031 *	35	70,35	40,5	30,5	23	24	2,5	500	50,5	93	15	25	3018	0,5
DSTR 0004	40	78,3	40,7	29	23	24	3	700	54	102	18	32	3019	0,9
DSTR 0034	45	89,25	50	37,5	30	26	3	700	84	133	28	43	3020	1,6
DSTR 0006	50	101,8	46	33	30	30	3	850	82	153	27	50	2912	1,7
DSTR 0008	55	108,55	53	39	31	34	3,5	1000	86	162	34	66	3100	2,2
DSTR 0040	60	123,5	57	42	33	32,7	2,5	1000	134	211	39	57	3353	3,2
DSTR 0016 **	60	129,4	56,5	42,5	33	40	2,5	1000	126	200	42	73	***	3,4
DSTR 0017 **	60	160	75,5	58,5	43	50	5	1000	169	353	71	131	***	7,9
DSTR 0011 **	80	165	61	46	36	60	3	1000	160	306	50	110	***	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

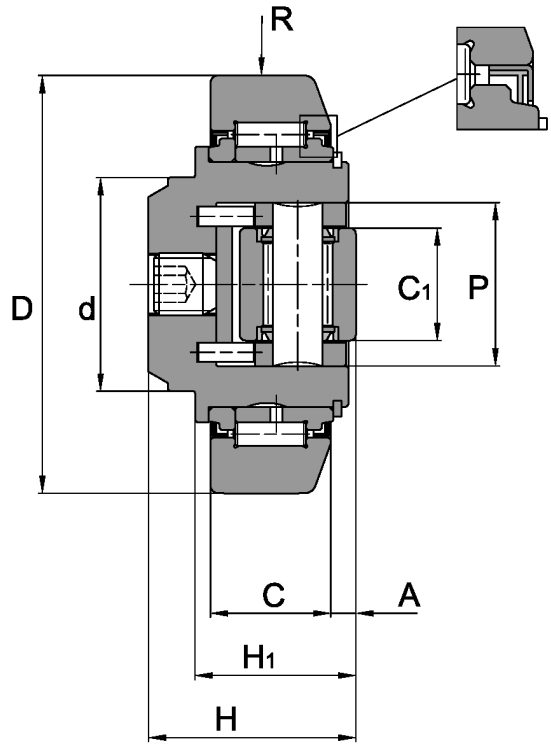
The bearings are in”ZRS” execution

*No internal lubrification hole

**Special profile on request

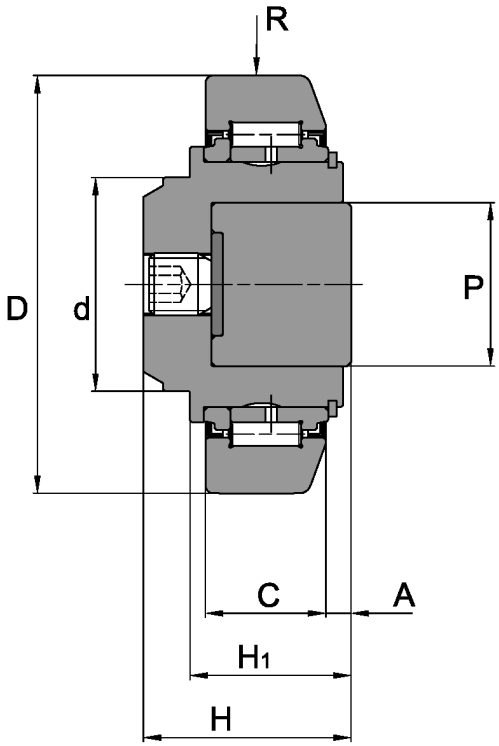
For any further requests or technical information, please consult our technical department

ADJUSTABLE COMBINED BEARINGS WITH SCREW



steel axial roller

"ZRS"
Execution



plastic axial slider

Adjustable combined bearings with screw have the same characteristics as fixed combined bearings.

The only difference consists 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	C_1	A	R	D_1	C	C_0	C_a	C_{0a}	Profile	Weight
	[mm]											[KN]				Cod.	[Kg]
DSTR 0961(1)(2)	30	62	37,5	40,5	30,5	33,5	20	-	2,5	500	18	36	65	-	-	2890	0,5
DSTR 0962 (4)	35	70,1	38,5	40,5	31,5	33,5	23	16	4	700	30	50	93	9	13	2867	0,6
DSTR 0963 (4)	40	77,7	40,7	42,7	31,7	33,7	23	16	4	700	30	54	101,5	9	13	2810	0,8
DSTR 0964 (4)	45	88,9	48,5	51	36,5	39	30	21	4	700	33	74	134	15	22	2811	1,4
DSTR 0965 (3)(4)	50	101,9	46	48,5	33	35,5	28	21	3,5	850	38	91	153	18	22	2912	1,7
DSTR 0966 (4)	55	107,7	53,5	56,5	41,5	44,5	31	30	6,5	1000	42	86	162	21,5	40	2862	2,5
DSTR 0967 (4)	60	123	61,5	64,5	49,5	52,5	33	30	7	1000	42	105	180	21,5	40	2891	2,7
DSTR 0968 (4)	60	149	75,5	79	58,5	62	43	45	6,8	1000	63	113	200	21,5	40	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

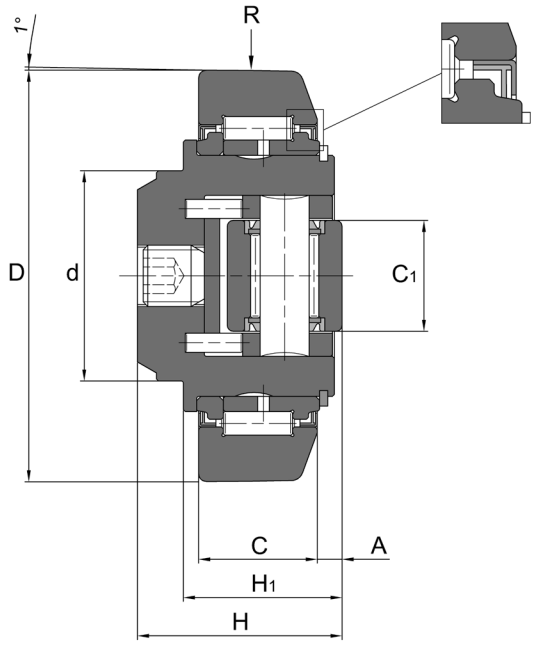
(2) Supplied only with plastic material slider

(3) Inclined outer profile

(4) For design with plastic housing add suffix "F" code std.

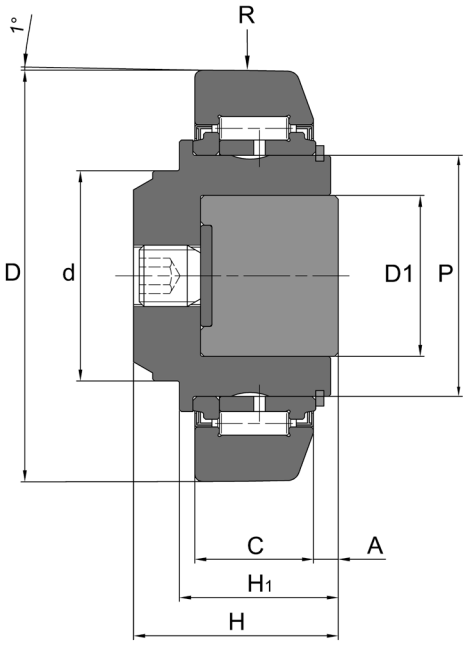
For any further requests or technical information, please consult our technical department

ADJUSTABLE COMBINED BEARINGS WITH SCREW FOR “H” PROFILES



“ZRS”
Execution

"ZRS"



steel axial roller

plastic axial slider

Adjustable combined bearings with screw for “H” profiles have the same characteristics as fixed combined bearings.

The only difference consists 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	C_1	A	R	C	C_0	C_a	C_{0a}	Profile	Weight
	[mm]										[KN]				Cod.	[Kg]
DSTR 0962.A2	30	70,35	38,5	40,5	31,5	33,5	23	16	6	500	36	65	9	14	3018	0,5
DSTR 0963.A2	35	78,3	40,7	42,7	31,7	33,7	23	16	6	500	50	93	9	14	3019	0,9
DSTR 0964.A2	45	89,25	48,5	51	36,5	39	30	21	7	500	54	101,5	13	22	3020	1,4
DSTR 0965.A2	50	101,8	46	48,5	33	35,5	28	21	7	700	54	101,5	13	22	2912	1,7
DSTR 0966.A2	55	108,55	53,5	56,5	41,5	44,5	31	21	7	700	74	134	13	22	3100	2,2
DSTR 0967.A2	60	123,5	61,5	64,5	49,5	52,5	33	21	7	1000	91	153	13	22	3353	3,2

C = Radial dynamic load rating

C_0 = Radial static load rating

C_a= Axial dynamic load rating

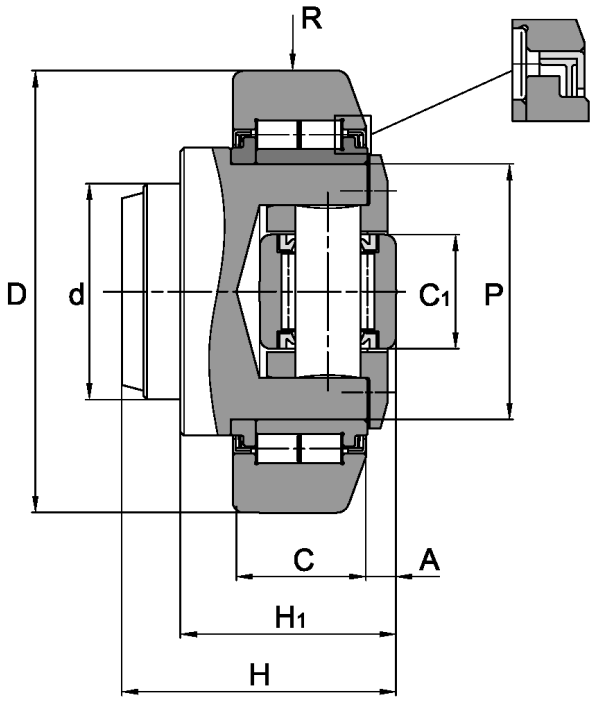
C_{0a}= Axial static load rating

The bearings are in”ZRS” execution

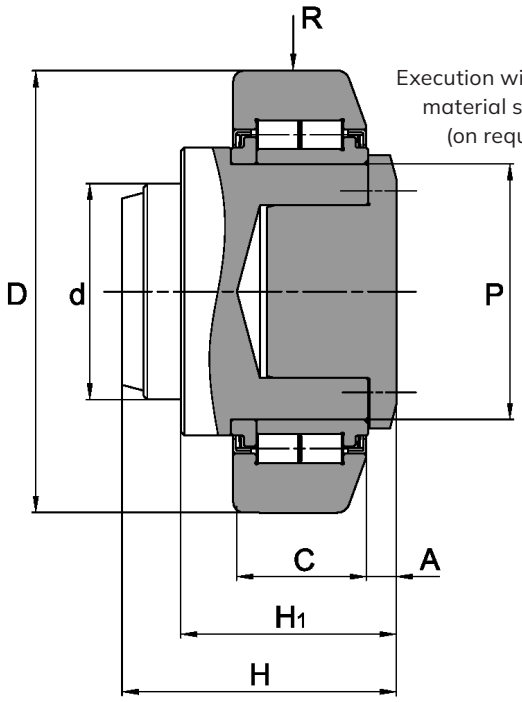
For design with plastic housing add suffix “F” code std.

For any further requests or technical information, please consult our technical department

AJUSTABLE COMBINED BEARINGS WITH SUPPORT



"ZRS"
Execution



Execution with plastic material support (on request)

steel axial roller

plastic axial slider

Adjustable combined bearings have the same characteristics as fixed combined bearings.

The only difference is the possibility to adjust the distance between axial bearing and profile through the use of thickness rings.

	d	D	H	H_1	C	C_1	A	R	C	C_0	C_a	C_{0a}	Profile	Weight
	[mm]								[KN]				Cod.	[Kg]
DSTR 0146	30	62	43	33	20	16	6	500	36	65	9	14	2890	0,6
DSTR 0147	35	70,1	48	40	23	16	6	500	50	93	9	14	2867	0,9
DSTR 0148	40	77,7	50,5	39,5	23	21	7	500	54	101,5	13	22	2810	1,05
DSTR 0149 *	40	78,3	45	34	23	21	7	700	54	101,5	13	22	3019	0,95
DSTR 0150	45	88,9	61	48	30	21	7	700	74	134	13	22	2811	1,7
DSTR 0151 *	50	101,8	50,5	37,5	28	21	7	1000	91	153	13	22	2912	1,85
DSTR 0142	60	107,7	69	55	31	33	8,5	1000	86	162	33	57	2862	2,4
DSTR 0152 *	55	108,55	58,5	44,5	31	33	8	900	86	162	33	57	3100	2,8
DSTR 0153	60	123	75,8	59,5	37	33	8,5	1000	132	242	52,5	94,5	2891	4,1
DSTR 0154	60	149	89	69	43	50	15	1000	169	353	71	131	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.

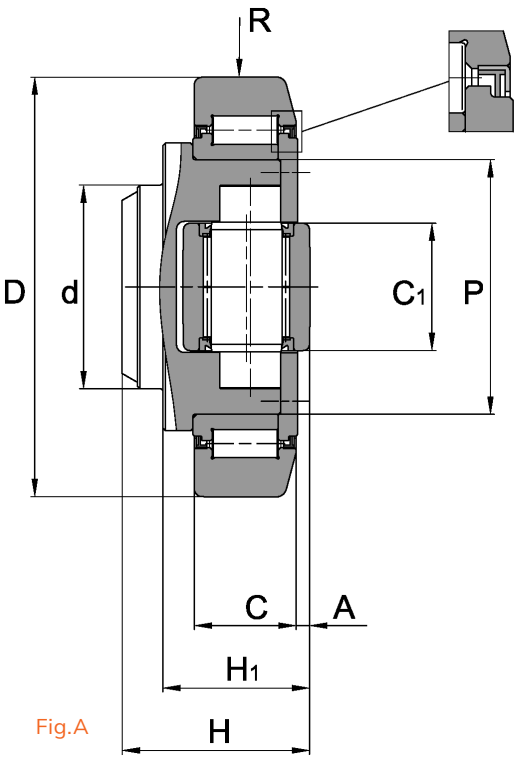


Fig.A

"ZRS"
Execution

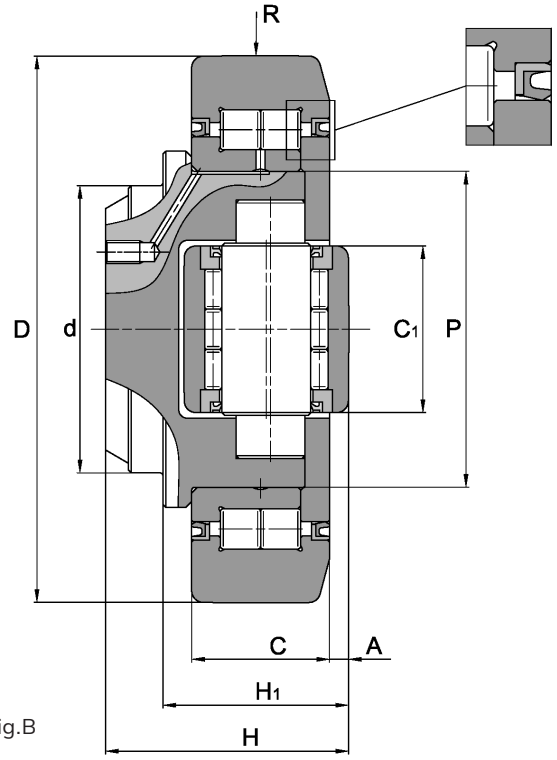


Fig.B

fig. A	d	D	H min	H max	H_1 min	H_1 max	C	C_1	A	R	C	C_0	C_a	C_{0a}	Profile	Weight
	[mm]										[KN]				Cod.	[Kg]
DSTRR 0062	30	62	37,5	39	30,5	32	20	20	2,5	500	36	65	12	21	2890	0,5
DSTRR 0070	35	70,1	44	45,5	36	37,5	23	20	2,5	500	50	93	12	21	2867	0,8
DSTRR 0078	40	77,7	48	50	36,5	38,5	23	24	3	700	54	102	18	32	2810	1
DSTRR 0089	45	88,9	57	59	44	46	30	26	3	700	74	134	28	43	2811	1,6
DSTRR 0108	60	108	69	71	55	57	31	34	3,5	1000	86	163	40	66	2862	2,7
DSTRR 0123	60	123	72,3	75,3	56	59	37	40	4,5	1000	132	242	53	94	2891	3,9
DSTRR 0149	60	149	78,5	81,5	58,5	61,5	43	50	5	1000	169	353	61	146	2757	6,7

fig. B	d	D	H min	H max	H_1 min	H_1 max	C	C_1	A	R	C	C_0	C_a	C_{0a}	Profile	Weight
	[mm]										[KN]					[Kg]
DSTR 0038.A	80	165	69,5	72,5	53,5	56,5	40	50	5,5	1000	185	367	61	146,5	10L	9,2
DSTR 0011.A	100	180	95,7	98,7	76,3	79,3	57,3	60	6,5	1500	160	306	50	110	-	11,5
DSTR 0012.A	100	190	84,5	87,5	64,5	67,5	48	60	6,5	1000	230	441,5	90	179	16L	10,6
DSTR 0013.A	110	220	94,5	97,5	74,5	77,5	58	75	6,5	1500	306	681	132	295	18H	17,3
DSTR 0014.A	120	250	102	105	77	80	60	75	7	1500	343	794,5	132	295	28H	23,9
DSTR 0015.A	150	280	119,5	123,5	89,5	93,5	72	90	7,5	2000	470	1091	190	476	36H / 42H	36
DSTR 0019.A	140	320	135	139	110	114	85	90	10	3000	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

The bearings are in"ZRS" execution

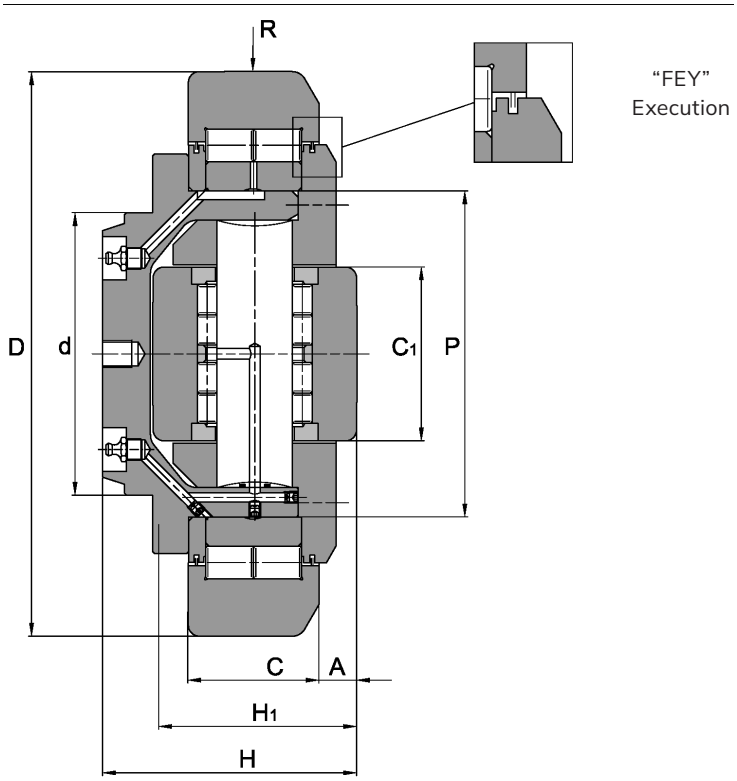
All heavy-duty bearings (Fig. B) are supplied with a lubrication hole

For any further requests or technical information, please consult our technical department

ADJUSTABLE COMBINED BEARINGS FOR HEAVY INDUSTRY

Adjustable combined bearings of large dimensions have the ability to guarantee high loads maintaining all the important characteristics of fixed combined bearings.

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	H_1 min	H_1 max	C	C1	A	R	C	C_0	C_a	C_{0a}	Weight
	[mm]										[KN]				[Kg]
DSTR 0509	110	220	108	109	90	91	60	70	8	2500	340	732	126	275	19
DSTR 3533	130	240	118	119	95	96	60	80	10,5	2500	438	992	144	279	27
DSTR 0510	130	260	118	119	95	96	60	80	18,5	2500	471	992	180	300	31
DSTR 3160	130	260	120	121	95	96	60	80	18,5	2500	438	992	144	279	31,5
DSTR 3724	150	260	135	136	110	111	80	86	7,2	/	606	1330	195	335	45
DSTR 3191	140	300	140	141	110	111	80	86	10	2500	606	1653	195	335	51
DSTR 4558	150	260	135	136	110	111	80	86	10	2500	565	1300	165	280	

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

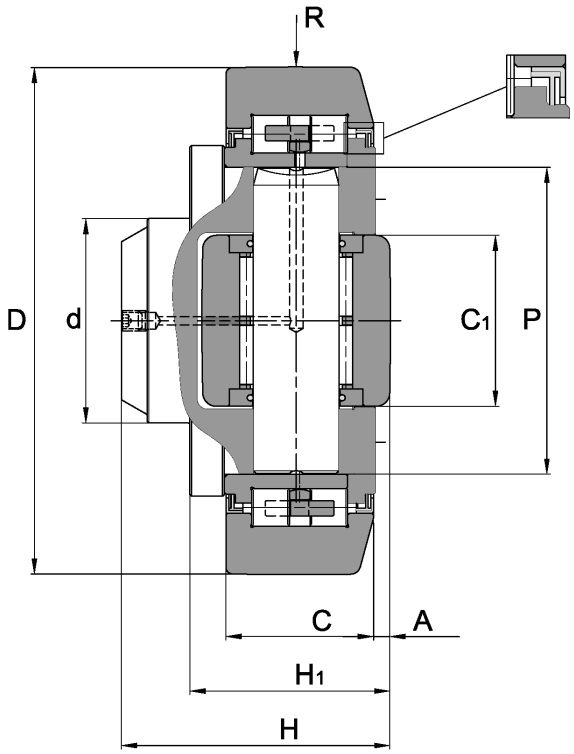
All bearings are supplied with a lubrication hole

For any further requests or technical information, please consult our technical department

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 FKM (Viton) or ”ZZ” seals, so they can bear heavy working conditions and high temperatures



“ZRS” Execution

	d	D	H	H_1	C	C_1	A	R	P	C	C_0	C_a	C_{0a}	Speed	Profile	Weight
	[mm]									[kN]				HS.max	Cod.	[Kg]
DSTR 0005 HS	45	88	57	44	30	26	3,5	700	50	46,6	50	26	32,2	1200	2811	1,6
DSTR 0007 HS	60	107,7	69	55	31	34	4	1000	63	76	90	30	32	1000	2862	2,9
DSTR 0009 HS	60	123	72,3	56	37	40	4,5	1000	71	106	120	42	46	850	2891	3,9
DSTR 0010 HS	60	149	78,5	58,5	43	50	5	1000	90	129	180	62	70	700	2757	6,6
DSTR 0191 HS	60	149	86	67	45	50	5	1500	90	179	353	83	131	700	2757	7,2
DSTR 4382 HS	80	185	95	71	55	63	5,5	1500	100	170	250	80	104	500	ww0018-10L	13
DSTR 4383 HS	80	185	90,5	76	55	65	7	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

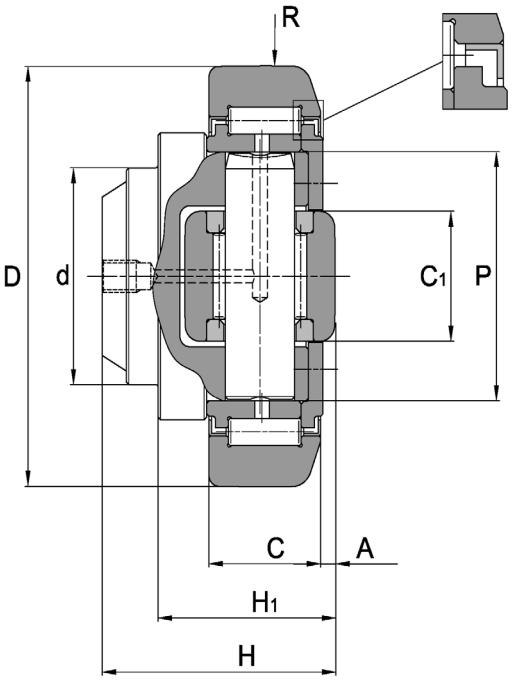
The bearings are in “ZRS” execution

For any further requests or technical information, please consult our technical department

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”

A special external diameter can be requested for all bearings.



“ZZ” Execution

codes for “U” profiles	d	D	H	H_1	C	C_1	A	R	P	C	C_0	C_a	C_{0a}	Profile Cod.	Weight [Kg]
				[mm]								[kN]			
DSTR 0706 HT *	30	52,5	33	27	19	16	2,5	500	32	26,5	46	10	13	**	0,4
DSTR 0001 HT	30	62	37,5	30,5	20	20	2,5	500	38	39	65	14	21	2890	0,5
DSTR 0002 HT	35	70,1	44	36	23	22	2,5	500	42	56	93	17	25	2867	0,8
DSTR 0003 HT	40	77,7	48	36,5	23	24	3	700	46	53	91	19,8	29,2	2810	1
DSTR 0005 HT	45	88,4	57	44	30	26	3,5	500	50	84	133	28	43	2811	1,6
DSTR 0007 HT	60	107,7	69	55	31	34	4	750	63	94	162	46	84	2862	2,7
DSTR 0009 HT	60	123	72,3	56	37	40	4,5	1000	71	132	242	53	94	2891	3,9
DSTR 0010 HT	60	149	78,5	58,5	43	50	5	1000	90	149	353	82,5	130,5	2757	6,6
DSTR 0191 HT	60	149	86	67	45	50	5,5	1500	90	149	353	82,5	130,58	2757	7
DSTR 0039 HT	80	185	95	71	55	63	7	1000	100	287	518	115	239	-	13

codes for “H” profiles	d	D	H	H_1	C	C_1	A	R	P	C	C_0	C_a	C_{0a}	Profile Cod.	Weight
				[mm]								[kN]			
DSTR 0031 HT*	35	70,35	40,5	30,5	23	22	2,5	500	42	56	93	17	25	3018	0,5
DSTR 0004 HT	40	78,3	40,7	29	23	24	3	700	46	59	102	23	33	3019	0,9
DSTR 0034 HT	45	89,25	50	37,5	30	26	3	800	50	84	133	28	43	3020	1,6
DSTR 0006 HT	50	101,8	46	33	28	30	2,5	850	58	91	153	32	50	2912	1,7
DSTR 0008 HT	55	108,55	53	38,5	31	34	3,5	1000	63	94	162	39	66	3100	2,2
DSTR 0040 HT	60	124	57	42	33	34	2,5	1000	65	134	211	39	57	3353	3,2
DSTR 0016 HT**	60	129	56,5	42,5	33	40	2,5	1000	71	126	200	42	73	***	3,4
DSTR 0017 HT**	60	160	75,5	58,5	43	50	5	1000	90	183	353	63	94	***	7,9
DSTR 0011 HT**	80	165	61	46	36	60	2,5	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

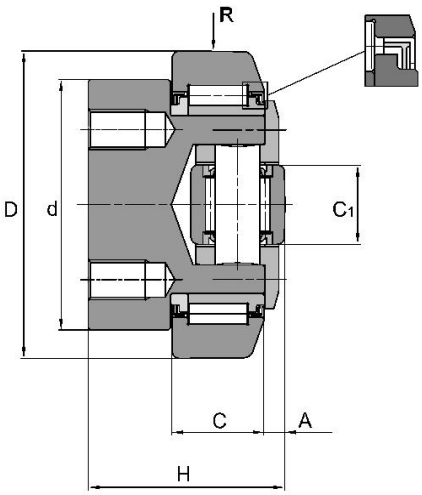
The bearings are in “ZRS” execution

* Without internal lubrication hole

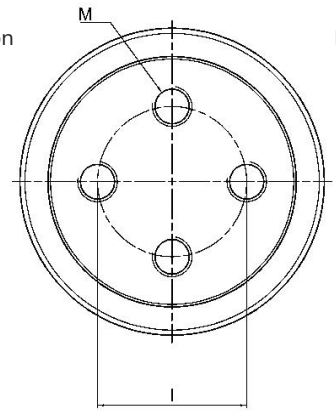
**Special profile on demand

For any further requests or technical information, please consult our technical department

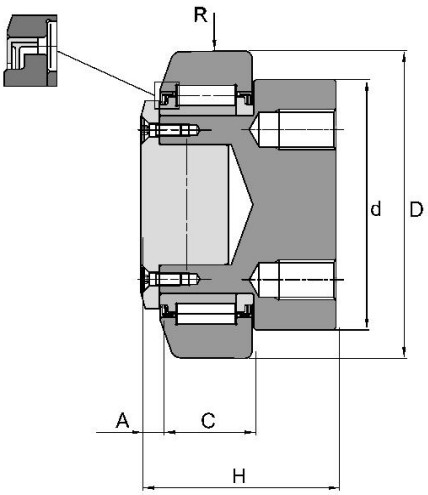
ADJUSTABLE COMBINED BEARINGS WITH SUPPORT AND PIN WITH FIXING HOLES



"ZRS" Execution



"ZRS" Execution



steel axial roller

plastic axial slider

Adjustable combined bearings with support and pin with fixing holes keep all the important characteristics of fixed combined bearings.
The substantial difference, in addition to being able to adjust the distance between the bearing and the profile using the thicknesses placed between the supports and the radial bearing, is the possibility of fixing the stud using screws/bolts.

	D	d	H	M	C	I	C_1	A	R	C	C_0	C_a	C_{0a}	Profile Cod.	Weight [Kg]
										[KN]					
DSTR 7001	62	50	43	M10X13	20	30	16	5,5	500	36	65	9	14	2890	0,8
DSTR 7002	70,1	60	55	M12X8	23	40	16	6,5	500	56	93	10	13	2867	1,2
DSTR 7003	77,7	60	50,5	M12X8	23	40	21	7	500	59	102	14	21	2810	1,4
DSTR 7005	88,9	70	68	M14x20	30	44	21	7	700	74	134	13	22	2811	2,3
DSTR 7007	107,7	80	69	M14x22	31	54	33	8	1000	94	162	39	57	2862	3,4
DSTR 7009	123	100	75,8	M16x23	37	60	33	8	1000	132	242	39	57	2891	5,2
DSTR 7010	149	120	89	M16x23	43	80	50	15	1000	179	353	83	131	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

The bearings are in "ZRS" execution

*Inclined outer profile

For design with plastic housing add suffix "F" code std

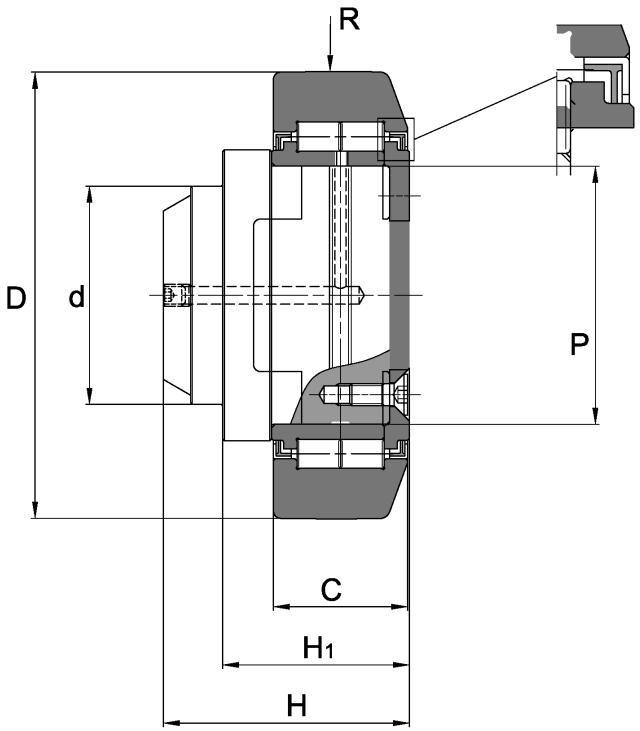
For any further requests or technical information, please consult our technical department

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.



"ZRS" Execution

	d	D	H	H_1	C	d_1	R	C	C_0	Profile	Weight
			[mm]					[KN]		Cod.	[Kg]
DSTR 0111	30	62	36,5	29,5	20	42	500	39	65	2890	0,6
DSTR 0112	35	70,1	42	34	23	48	500	56	93	2867	0,8
DSTR 0113	40	77,7	44,5	33,5	23	53	700	59	102	2810	1,1
DSTR 0115	45	88,9	54	41	30	59	700	84	133	2811	1,7
DSTR 0117	60	107,7	65,5	51,5	31	71	1000	94	162	2862	2,7
DSTR 0118	55	108,55	49,5	35	31	71	1000	94	162	3100	2,3
DSTR 0119	60	123	67,8	51,5	37	80	1000	132	242	2891	3,9
DSTR 0120	60	149	74	54	43	103	1000	179	353	2757	6,5

C = Radial dynamic load rating

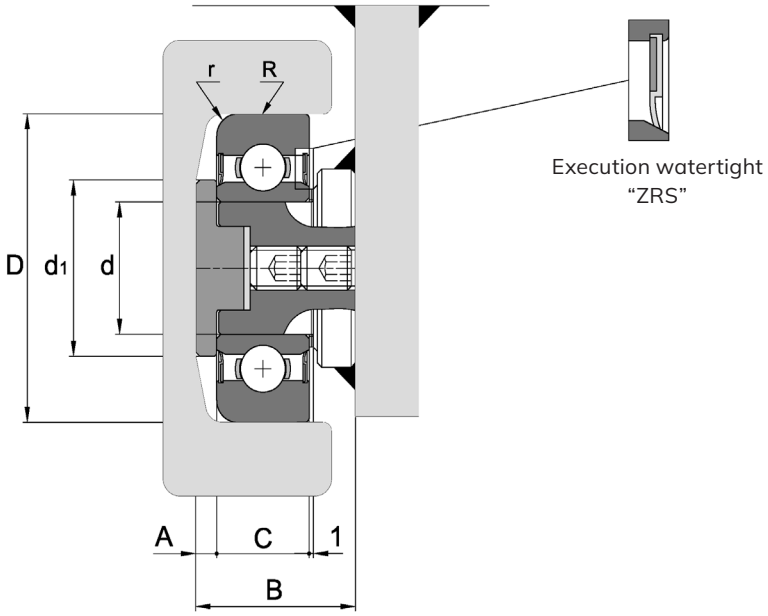
C_0 = Radial static load rating

The bearings are in "ZRS" execution

For any further requests or technical information, please consult our technical department

Adjustable combined bearings with plastic slider have the same characteristics as fixed combined bearings.

The series in question provides an inner spheres crown and not cylindrical rollers. These series are therefore suitable for applications in which the loads applied are of lower intensity.



		d	D	C	B min	B max	R	C	C_0	Profile	Weight
SINGLE BEARING	COMPLET SET	[mm]						[kN]		Cod.	[Kg]
DSTRS 0900	DSTRSG 0900	25	62	20	31	33	500	14,3	8	2890	0,35
DSTRS 0948	DSTRSG 0948	25	62,4	20	31	33	500	14,3	8	2890	0,35
DSTRS 0901	DSTRSG 0901	30	70	22	36	38	500	19,6	13,7	2867	0,7
DSTRS 0902	DSTRSG 0902	30	70,8	22	36	38	500	19,6	13,7	2867	0,7
DSTRS 0907	DSTRSG 0907	30	78	22	36	38	500	19,6	13,7	2810	0,85

C = Radial dynamic load rating

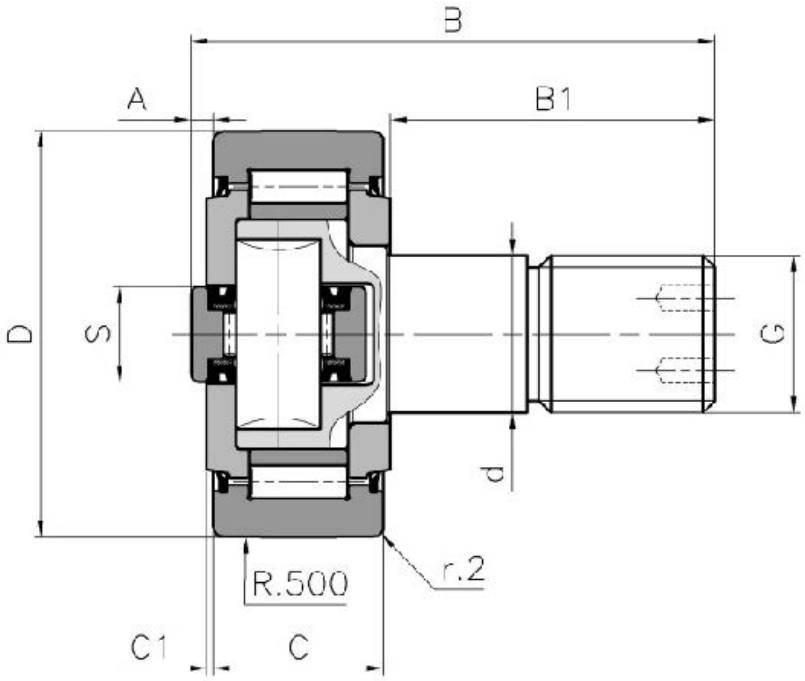
C_0 = Radial static load rating

The bearings are in "ZRS" execution

For any further requests or technical information, please consult our technical department

YOKE-TYPE TRACK ROLLER FIXED COMBINED WITH AXIAL STEEL ROLLERS

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



	D	B	d	B_1 [mm]	C	C_1	A	G	S	C [kN]	C_0 [kN]	Weight [Kg]
DSPFC 0052.F	52	68	20	41	24	0,5	3	M20x1,5	15	29	40,5	0,45
DSPFC 0062.F	62	82	24	50	28	0,5	3,5	M24x1,5	18	40	55	0,85
DSPFC 0072.F	72	82	24	50	28	0,5	3,5	M24x1,5	21	45	65	1
DSPFC 0080.F	80	100	30	63	30	1	6	M30x1,5	25	56	80	1,45
DSPFC 0090.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: case hardened steel material, 60 ± 2 HRc

Inner rings: chrome steel material, 60 ± 2 HRc

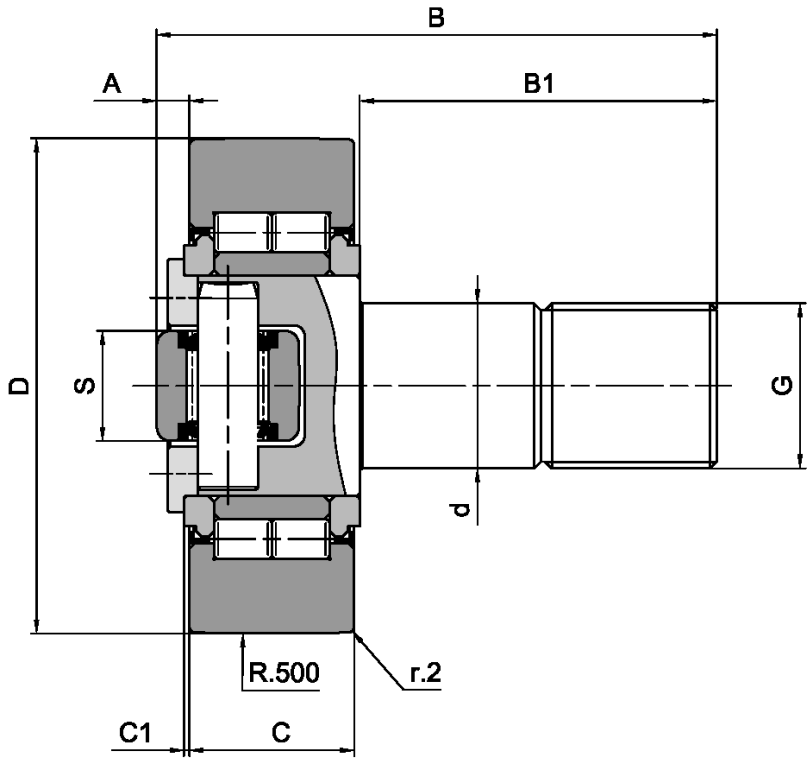
Studs: Fe 52 is not thermally treated

Washer: hardened steel material, 60 ± 2 HRc

The Yoke-Type track roller are in “ZRS” execution

For any further requests or technical information, please consult our technical department

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



	D	B	d	B_1	C	C_1	A	A	G	S	C	C_0	C_a	C_{0a}	Weight
				[mm]			min	max					[kN]		[Kg]
DSPFCR 0062	62	80	24	49,5	26	1	2,8	4,3	M24x1,5	14,5	50	79	9	11,7	0,95
DSPFCR 0072	72	80	24	49,5	26	1	3,5	5	M24x1,5	14,5	50	79	9	11,7	1,15
DSPFCR 0080	80	100	30	63	32	1	4	6	M30x1,5	18	83	127	15,2	23,5	1,6
DSPFCR 0090	90	100	30	63	32	1	4	6	M30x1,5	18	83	127	15,2	23,5	1,9
DSPFCR 0120	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: case hardened steel material, 60 ± 2 HRc

Inner rings: chrome steel material, 60 ± 2 HRc

Studs: Fe 52 is not thermally treated

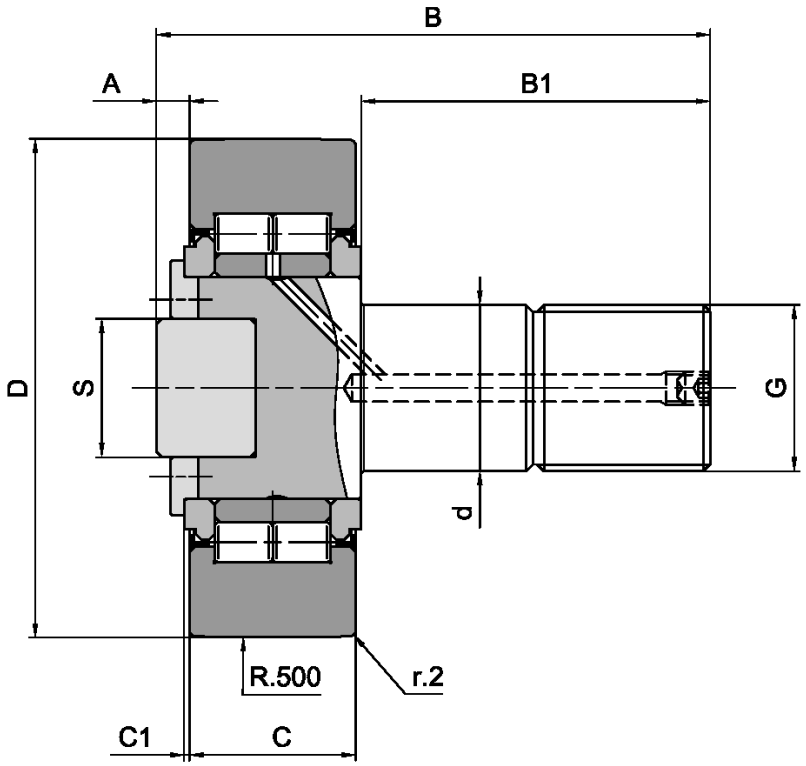
Washer: hardened steel material, 60 ± 2 HRc

The Yoke-Type track roller are in “ZRS” execution

For any further requests or technical information, please consult our technical department

YOKE-TYPE TRACK ROLLERS FIXED COMBINED WITH AXIAL PLASTIC SLIDER

The main feature of this series is the ductility of these bearings.
With the lateral contrast, they eliminate axial clereance.



	D	B	d	B_1	C	C_1	A	G	S	C	C_0	Weight
	[mm]									[kN]		[Kg]
DSPFC 0052.F	52	68	20	41	24	0,5	3	M20x1,5	15	29	40,5	0,45
DSPFC 0062.F	62	82	24	50	28	0,5	3,5	M24x1,5	18	40	55	0,85
DSPFC 0072.F	72	82	24	50	28	0,5	3,5	M24x1,5	21	45	65	1
DSPFC 0080.F	80	100	30	63	30	1	6	M30x1,5	25	56	80	1,45
DSPFC 0090.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: case hardened steel material, 60 ± 2 HRc

Inner rings: chrome steel material, 60 ± 2 HRc

Studs: Fe 52 is not thermally treated

Washer: hardened steel material, 60 ± 2 HRc

Slider: Ertalon (materiale plastico)

The Yoke-Type track rollers are in “ZRS” execution

For any further requests or technical information, please consult our technical department

Execution watertight
"ZRS"

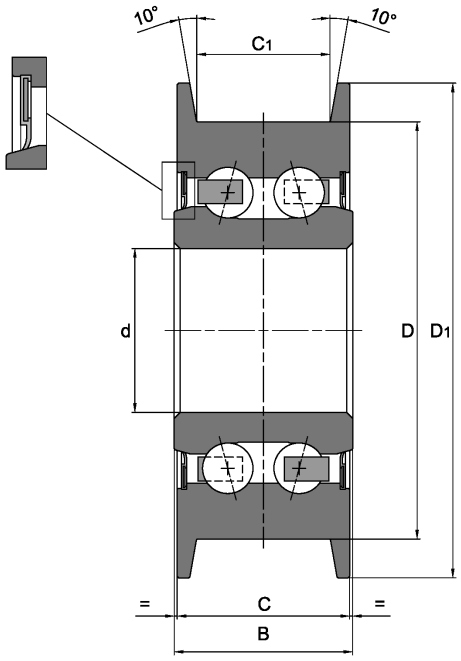


Fig.A

Execution watertight
"ZRS"

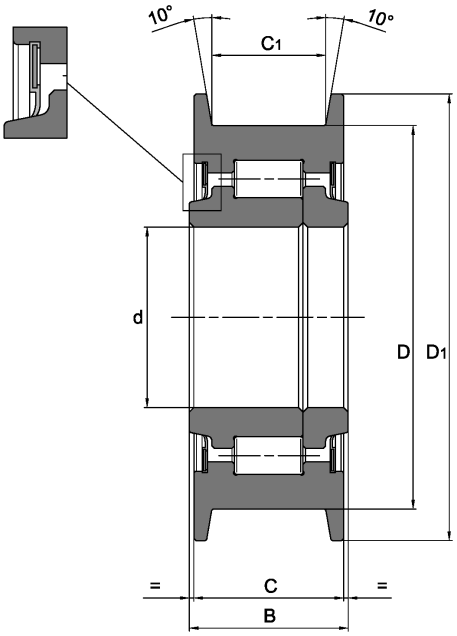


Fig.B

DISTITEC ball pulleys and cylindrical roller pulleys 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	C	C0	Weight	Chain		
			[mm]				[kN]		[Kg]			
DSTRS 1256	30	82	97	33,5	32	22	40	28,5	0,8	BL 544	AL 466	LL 1062
DSTRS 1257	35	105	120	41	40	31	51	38	1,1	BL 644	AL 844	LL 1644
DSTRS 1240	40	75	85	28	26	19	34	30	0,45	BL 534	AL 544	LL 1044
DSTRS 1239	40	80	90	28	26	19	34	30	0,7	BL 534	AL 544	LL 1244
DSTRS 1238	40	85	98	38	36	28	37	29	1,1	BL 634	AL 644	LL 1266
DSTRS 1237	40	80	98	43	41	33	27	29	1,1	BL 634	AL 666	LL 1288
DSTRS 1236	50	100	115	42	40	33	53	45	1,5	BL 834	AL 844	LL 1644
DSTRS 1235	55	110	135	58	56	45	59	51	1,5	BL 846	AL 866	LL 1666
DSTRS 1234	55	130	158	67	65	55	67	58	3,1	BL 1046	AL 1066	LL 2066

(B) ROLLERS	d	D	D1	B	C	C1	C	C0	Weight	Chain		
			[mm]				[kN]		[Kg]			
DSTR 0051	40	70	78	26,5	25	19	51	74	0,5	BL 534	AL 544	LL 1044
DSTR 0052	40	80	90	28	26	19	62	88	0,5	BL 534	AL 544	LL 1244
DSTR 0053	40	85	99	38	36	28	85	133	1,2	BL 634	AL 544	LL 1266
DSTR 0054	40	80	98	43	41	33	96	139	1,2	BL 634	AL 644	LL 1288
DSTR 0055	50	100	115	42	40	33	117	192	1,7	BL 834	AL 666	LL 1644
DSTR 0056	55	110	135	58	56	45	146	241	1,7	BL 846	AL 866	LL 1666
DSTR 0057	55	130	158	67	65	55	253	397	3,5	BL 1046	AL 1066	LL 2066

C = Radial dynamic load rating

C_0 = Radial static load rating

The pulleys are in "ZRS" execution

For any further requests or technical information, please consult our technical department

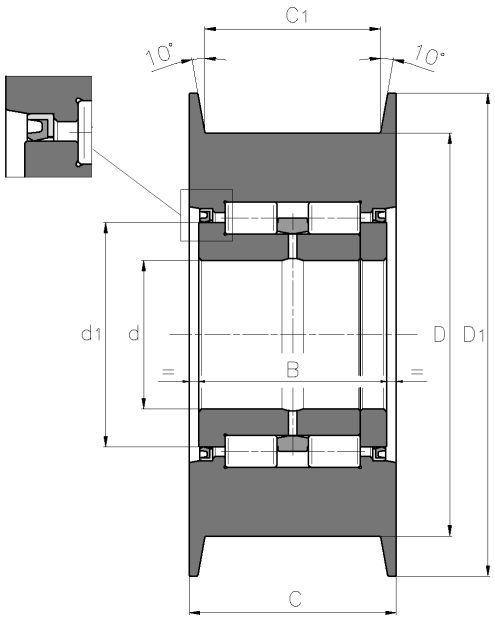
CHAIN PULLEYS FOR HIGH CAPACITIES

DISTITEC cylindrical roller pulleys 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.

Execution watertight
"ZRS"



	d	D	D_1	B	C	C_1	C	C_0	Weight	Chain		
	[mm]						[kN]		[Kg]			
DSTR 0060	80	157	187	68	88	72	320	520	9,4	BL 1246	AL 1266	LL 2466
DSTR 0061	100	184	218	85	106	88	381	694	16,5	BL 1466	AL 1466	LL 2866
DSTR 0062	110	212	256	95	120	98	528	985	23,5	BL 1666	AL 1666	LL 3266
DSTR 0063	110	212	256	125	150	128	720	1635	29	BL 1688	AL 1688	LL 3288

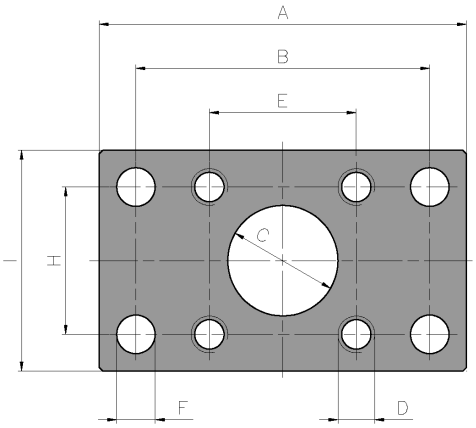
C = Radial dynamic load rating

C_0 = Radial static load rating

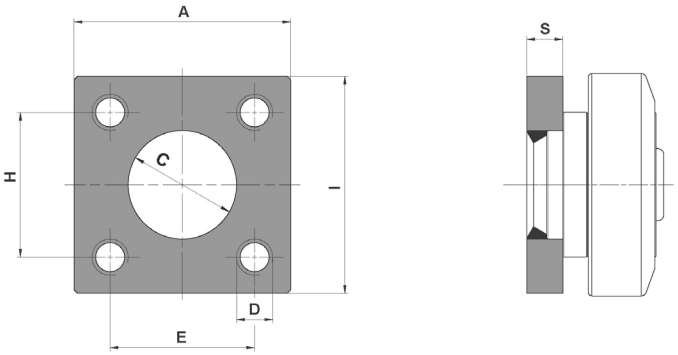
The pulleys are in "ZRS" execution

For any further requests or technical information, please consult our technical department

FIXING PLATES LIGHT AND HEAVY SERIES



RECTANGULAR



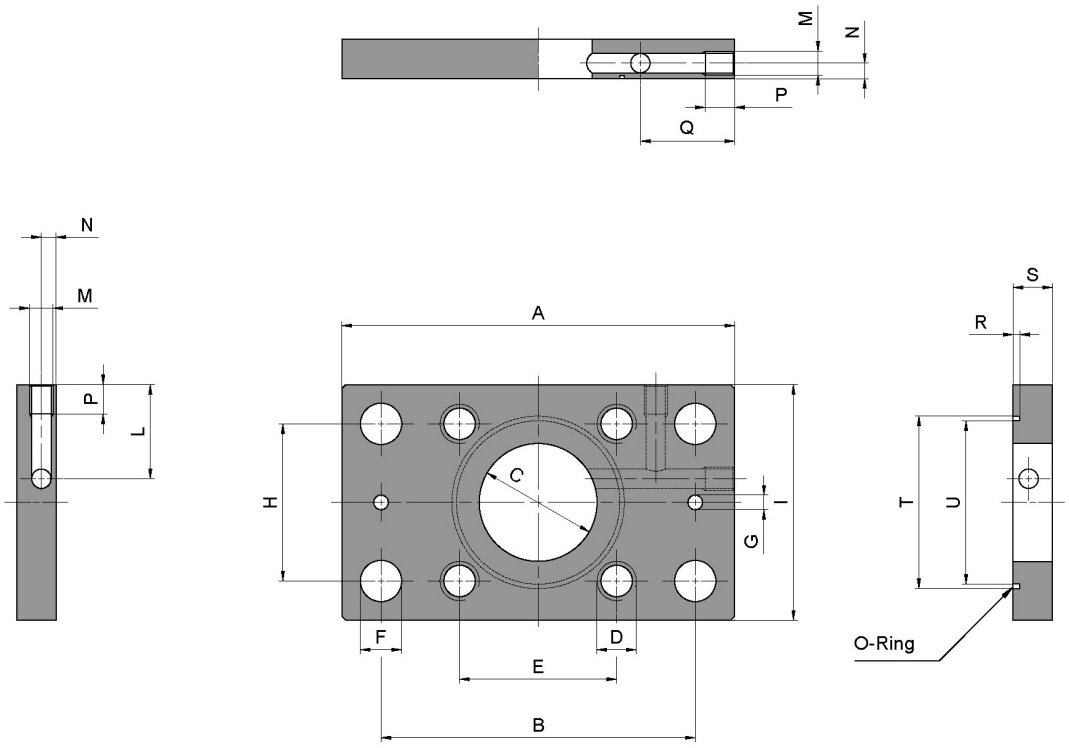
SQUARE

LIGHT SERIES	A	B	C	D	E	F	H	I	S	Profile	suitable for DSTR series bearing in catalogue
DSPTR 0706	90	70	30	M8	40	8,5	30	50	10	**	706
DSPTR 0001	100	80	30	M10	40	10,5	40	60	10	2890	001-146-111-961-062
DSPTR 0002	120	90	35	M12	50	12,5	50	80	15	2867	002-031-147-112-962-070
DSPTR 0003	120	90	40	M12	50	12,5	50	80	15	2810	003-004-148-149-113-963-078
DSPTR 0005.A2	160	120	45	M16	60	17	60	100	20	2811	.005-034-150-115-964-089
DSPTR 0007	180	140	60	M16	80	17	80	120	20	2891	.007-009-040-967-016-142-153-108-123
DSPTR 0008	180	140	55	M16	80	17	80	120	20	-	.008-152-966
DSPTR 0010	200	160	60	M16	100	17	100	150	20	2757	010-191-154-968-149

DSPTR 0706.Q	50	-	30	M8	30	-	30	50	10	**	706
DSPTR 0001.Q	60	-	30	M10	40	-	40	60	10	2890	001-146-111-961-062
DSPTR 0002.Q	80	-	35	M12	50	-	50	80	15	2867	002-031-147-112-962-070
DSPTR 0003.Q	80	-	40	M12	50	-	50	80	15	2810	003-004-148-149 113-963-078
DSPTR 0005	120	-	45	M16	90	-	90	120	20	2811	.005-034-150 115-964-089
DSPTR 0006	120	-	50	M16	90	-	90	120	20	2891	.006-965-151
DSPTR 0007.Q	120	-	60	M16	80	-	80	120	20	-	.007-009-040-967-016-142-153-108-123
DSPTR 0010.Q	150	-	60	M16	100	-	100	150	20	2757	010-191-154-968-149

HEAVY SERIES	A	B	C	D	E	F	H	I	S	Profile	suitable for DSTR series bearing in catalogue
DSPTR 0011.Q	165	-	80	M20	125	-	125	165	23	-	.011
DSPTR 0012.Q	190	-	100	M20	150	-	150	190	28	-	.012
DSPTR 0013.Q	220	-	110	M24	176	-	176	220	33	-	.013
DSPTR 0014.Q	250	-	120	M24	206	-	206	250	37	-	.014
DSPTR 0015.Q	280	-	150	M30	220	-	220	280	37	-	.015

FIXING PLATES RECHARGEABLE SERIES



The rectangular fixing plates give the possibility to effect the relubrification from two sides .

On request we can supply 1 Nipplo for lubrication M6x1 + Or-Ring

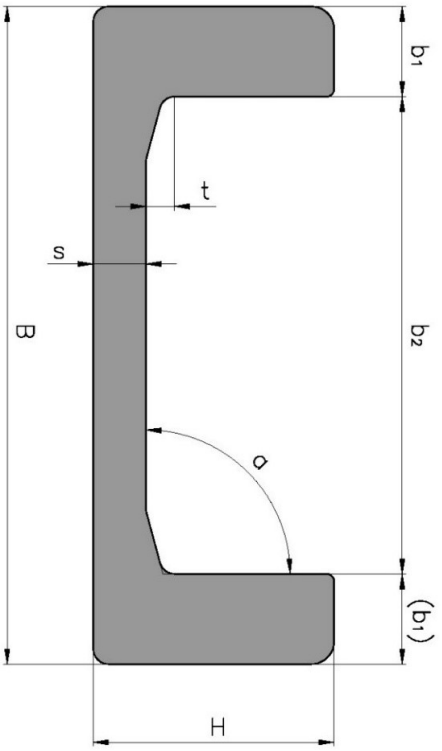
CODE	A	B	C	D	E	F	G	H	I	S	L	M	N	P	Q	R	T	U	O-RING
DSPTR 0001.R	100	80	30	M10	40	10,5	6	40	60	10	10	6	5	10	20	1,4	41	36	2150
DSPTR 0002.R	120	90	35	M12	50	12,5	6	50	80	15	15	6	6	10	25,5	1,4	48	43	2175
DSPTR 0003.R	120	90	40	M12	50	12,5	6	50	80	15	15	6	6	10	25,5	1,4	51	46	2187
DSPTR 0005.R	160	120	45	M16	60	17	6	60	100	15	20	6	6	10	35	2,2	61	54	3218
DSPTR 0007.R	180	140	60	M16	80	17	6	80	120	20	20	6	6	10	35	2,2	78	71	3287
DSPTR 0010.R	200	160	60	M16	100	17	6	100	150	20	20	6	7	10	35	2,2	78	71	3287

“U” SHAPE STEEL SECTIONS

They are commonly used in various industries where linear handling is required.

They are often used in forklift masts, but also in food, textile and automotive industries.

Within these steel section, the combined bearings of all kinds slide with a centred and not inclined outer profile, small and medium-sized.

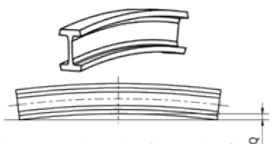


Code	b2	Toll.	B	b1	Toll.	H	Toll.	s	Toll.	t	t2	Weight	Wx	Wy	Jx	Jy
	[mm]											[Kg/m]	[cm3]		[cm3]	
2890	62,5	±1	86,5	12	±0,5	36	±0,8	7	±0,5	7	15	10,5	31,7	6,6	137	15,3
2867	70,8	±0,5	103,2	16,2	±0,5	40	±0,8	7,7	±0,5	8,5	15	14,8	53	10,9	273,5	27,3
2810	78,7	±0,5	121,3	21,3	±0,5	41	±0,8	10,8	±0,5	9	15	20,9	81	14,8	493,6	38
2811	89,4	±0,5	135,4	23	±0,5	53	±0,8	12,7	±0,5	9	15	28,6	128	27	865,2	89,5
2862	108,4	±0,5	157,2	24,4	±0,5	61,2	±0,8	14	±0,5	9	15	35,9	190	39	1494	151
2891	123,8	±0,5	175	25,6	±0,5	66,2	±0,8	16,2	±0,5	9	15	42,9	250	48	2185	206
2757	150,1	±0,5	201,5	25,7	±0,5	71,2	±0,8	19,4	±0,5	11,5	20	52,3	340	57	3425	270
W0018-10	181,1	±0,5	252,5	35,7	±0,6	90	±1	19,4	±0,6	10		78,2	681,6	125,1		

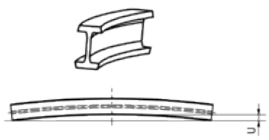
Material: UNI Fe 510C - Wnr. 1.0553 - DIN St. 52-3 U - EN 10025 (S355J0)

Max production length: 12 meters

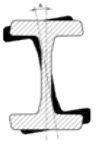
For any further requests or technical information, please consult our technical department



bow on lenght (on edge)
Qmax = 1 mm/meter



bow on lenght (across width)
Umax = 1 mm/meter



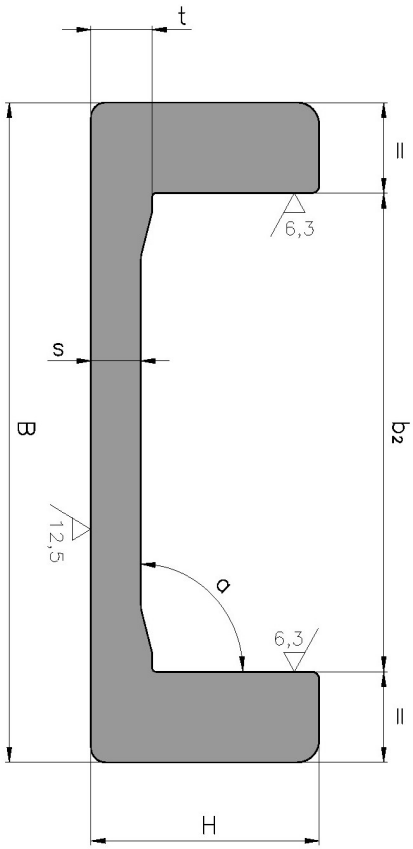
bow on lenght (twist)
Amax = 0.5°/meter

“U” MACHINED SHAPE STEEL SECTIONS

They are obtained directly from the “u” shape steel sections.

The surfaces on which the combined bearings slide are machined with a machine tool, resulting in an excellent surface finish with extremely limited tolerances.

This guarantees an absolutely precise coupling between the bearing and the profile, reduces the clereance between them up to the stop and this becomes an excellent economical alternative to linear guides on the market.

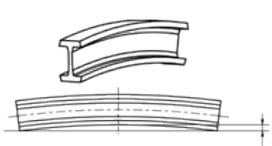


Code	b2	Toll.	B	H	Toll.	s	Toll.	t	Toll.	t2	Weight	Wx	Wy	Jx	Jy
	[mm]										[Kg/m]	[cm3]		[cm4]	
2890L	65	±0,15	86,5	35	±1,5	6,5	±0,2	12,09	±0,2	13	9,44	28,9	10,7	125,1	12,9
2867L	74	±0,15	103	39	±1,5	7	±0,2	14,22	±0,2	13	13,14	48,3	16,3	248,9	23,2
2810L	82	±0,15	121	39,2	±1,5	9	±0,2	14,44	±0,2	13	17,87	73,4	21,4	439,1	30,3
2811L	93	±0,15	135,5	51	±1,5	11	±0,2	18,94	±0,2	13	25,16	116,9	39,6	792,2	75
2862L	112	±0,15	157	59	±1,5	12	±0,2	17	±0,2	13	31,47	172,9	59,1	1357,5	126,8
2891L	128	±0,15	175	64	±1,5	14	±0,2	17	±0,2	13	37,71	198	66,4	1976	187
2757L	154	±0,15	201	69	±1,5	17	±0,2	20	±0,2	15	45,98	269,4	74,8	3105	235
W0018-10L	185	0/+0,25	252,5	88,5	-	17,5	0/-0,3	-	-	15	76,1	644,5	207,8	8137	657

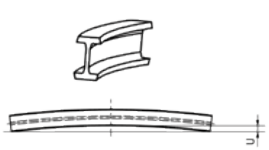
Material: UNI Fe 510C - Wnr. 1.0553 - DIN St. 52-3 U - EN 10025 (S355J0)

Max production length: 12 meters

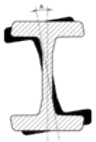
For any further requests or technical information, please consult our technical department



bow on lenght (on edge)
Qmax = 1 mm/meter



bow on lenght (across width)
Umax = 1 mm/meter

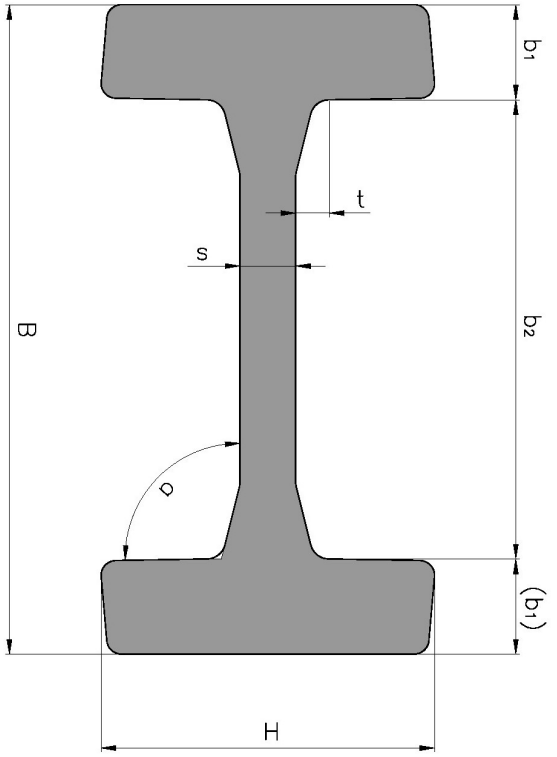


bow on lenght (twist)
Amax = 0.5°/meter

“H” SHAPE STEEL SECTIONS

They are only used in forklift masts.

Within these steel sections, the combined bearings of all kinds slide with an inclined outer profile for a perfect coupling with the profile.

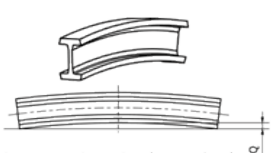


Code	b2	Toll.	B	b1	Toll.	H	Toll.	s	Toll.	t	t2	Weight	Wx	Wy	Jx	Jy
					[mm]							[Kg/m]	[cm4]		[cm4]	
3018	70	1	98	14	±0,5	65	±1	9	±0,5	7	15	19,4	70,2	17,7	344,3	57,6
3019	77,9	1	113,9	18	±0,5	66	±1	11	±0,5	9	15	25,3	101,8	23,2	579,5	76,8
3020	88,6	1	129,6	20,5	±0,5	81	±1,25	12	±0,5	9	15	34,1	160	40	1037	161,8
3100	108,4	±0,5	152,4	22	±0,5	83	±1	14	±0,5	9	20	40,5	219,2	44,6	1670	184,5
3353	123,8	±0,5	175	25,6	±0,5	90	±1,3	15	±0,5	12,5	20	51,4	322	64,7	291,2	291,2

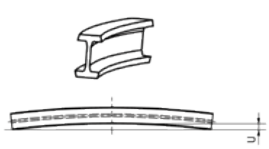
Material: UNI Fe 510C - Wnr. 1.0553 - DIN St. 52-3 U - EN 10025 (S355J0)

Max production length: 12 meters

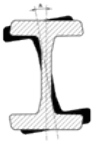
For any further requests or technical information, please consult our technical department



bow on lenght (on edge)
Qmax = 1 mm/meter



bow on lenght (across width)
Umax = 1 mm/meter



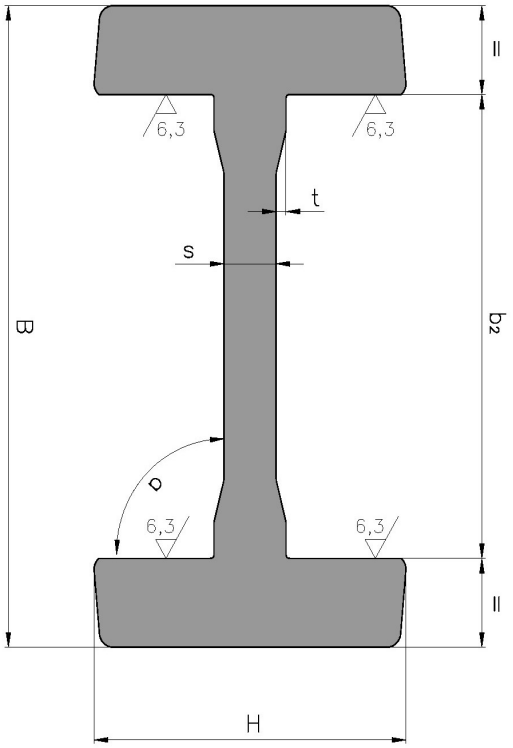
bow on lenght (twist)
Amax = 0.5°/meter

“H” MACHINED SHAPE STEEL SECTIONS

They are obtained directly from the “H” shape steel sections.

The surfaces on which the combined bearings slide are machined with a machine tool, resulting in an excellent surface finish with extremely limited tolerances.

This guarantees an absolutely precise coupling between the bearing and the profile, reduces the clereance between them up to the stop and thus becomes an excellent economical alternative to linear guides on the market.

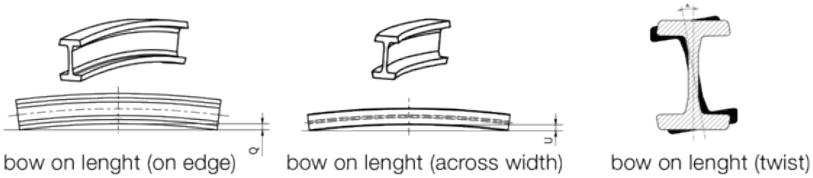


Code	b2	Toll.	B	H	Toll.	s	Toll.	t	Toll.	t2	Weight	Wx	Wy
					[mm]						[Kg/m]	[cm4]	
4100L	112,5	±0,15	152,4	83	±1	14	±0,5	4,7	±0,2	90	38,7	210	40,7
4353L	127,8	±0,15	175	90	±1,3	15	±0,5	5,5	±0,2	90	49,5	311	60,4

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

Max production length: 12 meters

For any further requests or technical information, please consult our technical department

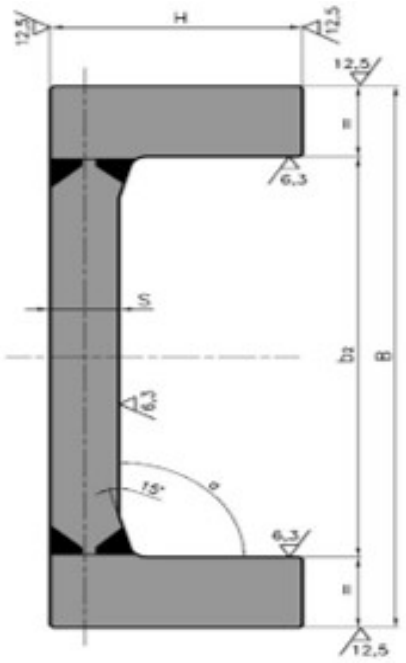


bow on lenght (on edge)
Qmax = 1 mm/meter

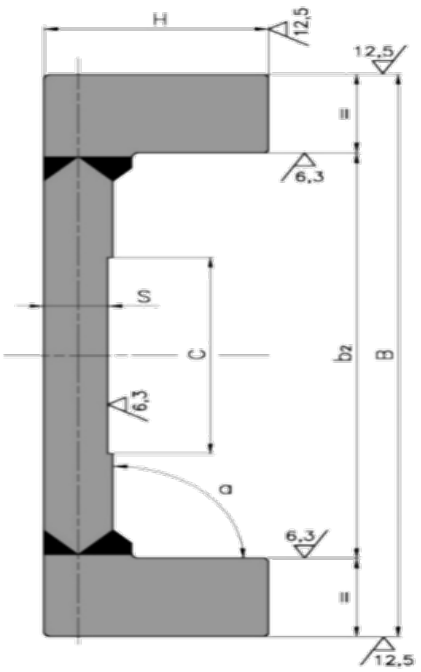
bow on lenght (across width)
Umax = 1 mm/meter

bow on lenght (twist)
Amax = 0.5°/meter

WELDED AND MILLED "U" SHAPE STEEL SECTIONS



LIGHT SERIES



HEAVY SERIES

These steel sections are obtained by welding standard laminate panels or panels obtained by laser cutting. They are then straightened and milled on the surfaces on which the bearings slide.
Although they are large, they guarantee good precision and a good coupling between the bearings and the profile.
They are used in heavy industry, from masts of large capacity forklifts to machines or large handling systems.

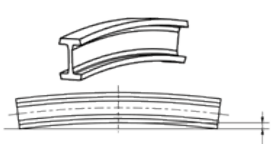
Code	b2	Toll.	B	Toll.	H	Toll.	S	C	t_2	Weight	Wx	Wy	Jx	Jy
				[mm]						[Kg/m]	[cm3]		[cm4]	
FC 123	123,3	±0,15	175	±1,5	66	±1	16	*	13	42,37	249,3	86,7	2181,5	206
FC 149	149,4	±0,15	202	±1,5	71,2	±1	19,4	*	15	52,31	344,6	114	3480,6	276,5

Code	b2	Toll.	B	Toll.	H	Toll.	S	C	t_2	Weight	Wx	Wy	Jx	Jy
				[mm]						[Kg/m]	[cm3]		[cm4]	
FC 165	165,4	±0,15	230	±1,5	57,5	±1	18	80	15	53,3	383,5	87,7	4410,5	174,6
FC 165.R	165,4	±0,15	230	±1,5	67,5	±1	18	80	15	58,4	438,9	119,4	5047,3	281,8
FC 190	190,4	±0,15	255	±1,5	77	±1	22	80	15	73,7	598,6	167,7	7631,6	434,2
FC 220	220,4	±0,15	295	±2	85	±1	20	125	15	86,1	856,4	231,7	12633	6720,4
FC 250	250,4	±0,15	344	±2	94	±1	26,5	125	15	122,8	1358,8	344,9	23372	1117,4
FC 280	280,4	±0,15	394	±2	114	±1	26,5	125	15	161,9	2156,01	577,03	42473	2354,8

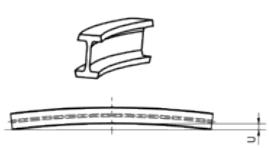
Material: UNI Fe 510C - Wnr. 1.0553 - DIN St. 52-3 U - EN 10025 (S355J0)

Max production length: 12 meters

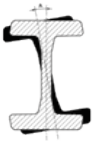
For any further requests or technical information, please consult our technical department



bow on lenght (on edge)
Qmax = 1 mm/meter

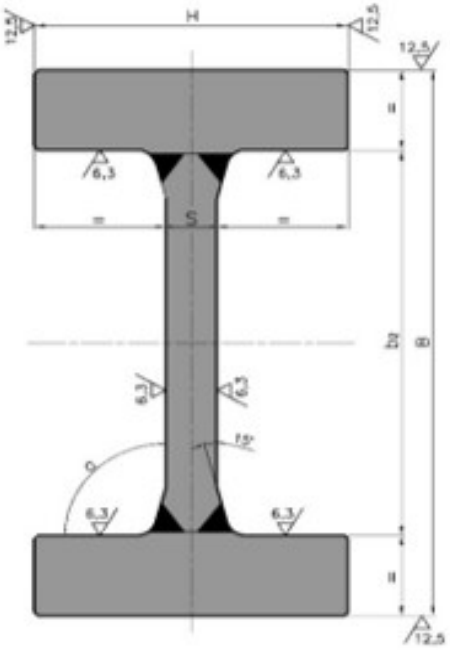


bow on lenght (across width)
Umax = 1 mm/meter

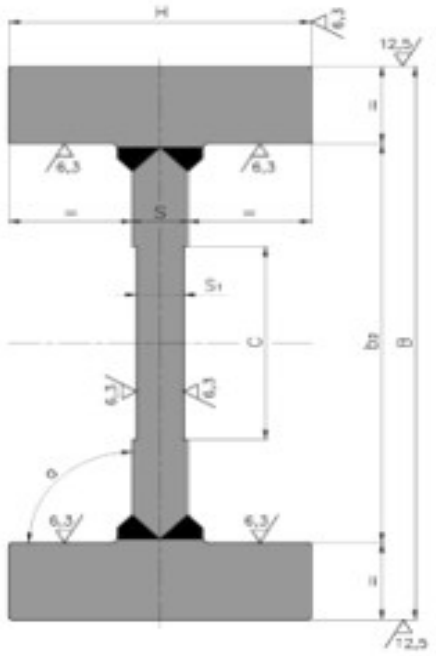


bow on lenght (twist)
Amax = 0.5°/meter

WELDED AND MILLED “H” SHAPE STEEL SECTIONS



LIGHT SERIES



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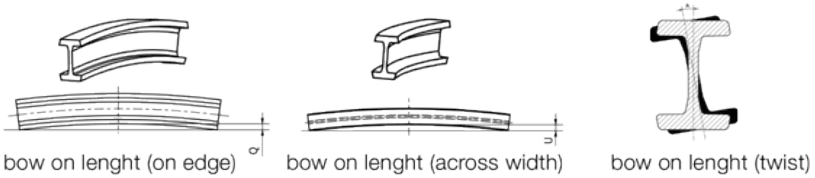
Code	b2	Toll.	B	Toll.	H [mm]	Toll.	S	S_1	C	t_2	Weight [Kg/m]	Wx [cm3]	Wy	Jx [cm4]	Jy
FM 108	108	±0,2	153	/	80	±1	13	/	/	13,5	39,8	223,3	48,5	1708	194
FM 123	123,3	±0,2	176	/	90	±1	15	/	/	15	52,3	335,6	71,9	2952,9	323,8
FM 149	149,3	±0,2	205	/	118	±1	18	/	/	15	72,9	560,3	130,4	5742,6	769,5

Code	b2	Toll.	B	Toll.	H [mm]	Toll.	S	S_1	C	t_2	Weight [Kg/m]	Wx [cm3]	Wy	Jx [cm4]	Jy
FM 165	165,4	±0,15	230	±1,5	95	±1	18	16	70	15	72,7	600	99	6894	472
FM 165.R	165,4	±0,15	230	±1,5	115	±1	16	16	70	15	81,05	702	144	8072	826
FM 190	190,4	±0,15	255	±1,5	130	±1	24	20	70	15	100,4	941	185	12002	1203
FM 220	220,4	±0,15	295	±1,5	150	±1	24	20	90	15	127,5	1423	283	20991	2119
FM 250	250,4	±0,15	345	±1,5	160	±1	29	25	90	15	172,7	2206	409	37838	3274
FM 280	280,4	±0,15	375	±2	190	±1	34	30	120	15	212,8	2942	578	55163	5492
FM 280.R	280,4	±0,15	395	±2	190	±1	34	30	120	15	242,4	3506	698	69246	6634

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

Max production length: 12 meters

For any further requests or technical information, please consult our technical department

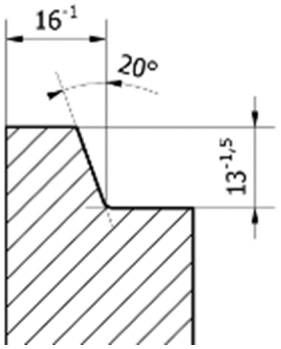


bow on lenght (on edge)
Qmax = 1 mm/meter

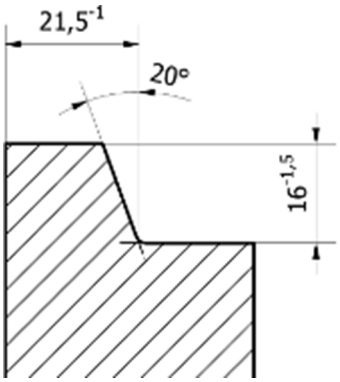
bow on lenght (across width)
Umax = 1 mm/meter

bow on lenght (twist)
Amax = 0.5°/meter

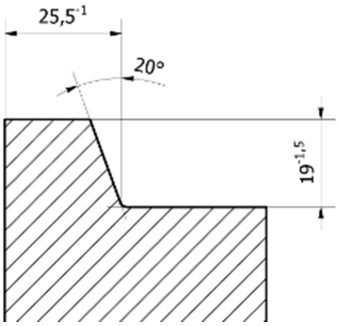
Code	h mm	b mm	weight kg/m	Wx cm3	Wy cm3	profile Rif.(1)	class FEM DIN 15173
PPF.001	100	30	22	38	13	3285	I
PPF.002	127	26	24,8	58	13	2809	I
PPF.003	127	32	30,2	68	20	2942	I
PPF.004	150	30	33,9	93	21	2783	I
PPF.501	60	39	15,6	16	13	3401	I
PPF.005	110	32	25,9	50	17	3283	II
PPF.006	110	38	30,5	57	24	3284	II
PPF.007	150	35	39,1	107	28	2807	II
PPF.008	150	38	42,5	114	34	2805	II
PPF.009	152	32	36,2	102	24	2806	II
PPF.502	60	50	20	20	22	3402	II



Code	h mm	b mm	weight kg/m	Wx cm3	Wy cm3	profile Rif.(1)	class FEM DIN 15173
PPF.010	115	40	33,4	67	27	3298	III
PPF.011	148	40	43,8	117	36	3286	III
PPF.012	148	45	48,9	129	46	3287	III
PPF.013	180	38	51,3	172	40	2808	III
PPF.014	180	45	60,1	198	56	2784	III
PPF.503	70	50	23,6	29	26	3403	III
PPF.504	90	60	37,4	59	49	3472	III



Code	h mm	b mm	weight kg/m	Wx cm3	Wy cm3	profile Rif.(1)	class FEM DIN 15173
PPF.015	180	57	75,2	240	89	2785	IV
PPF.505	100	70	48	83	73	3473	IV



(1) Steel sections identification code

The steel sections for fork plates are special profiles through which the forks of forklifts can be moved.

Considering there are many different guides suitable for different forklifts, there are also many types of fork plates profiles, depending on customer's needs