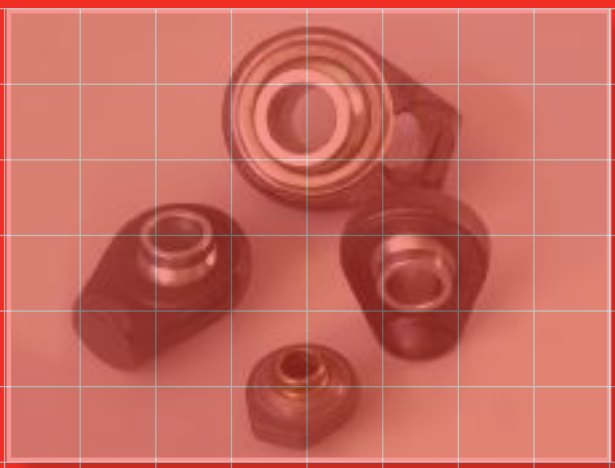
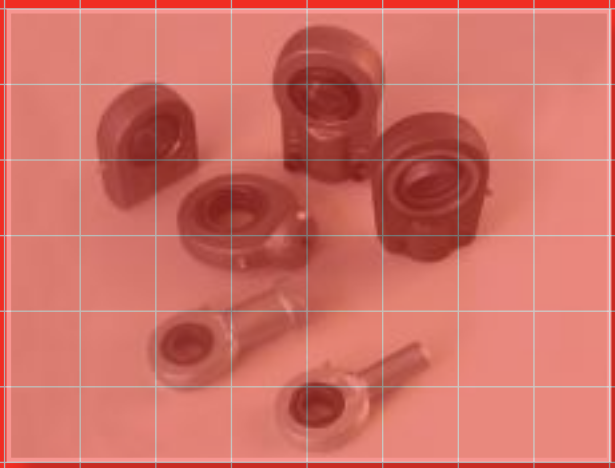
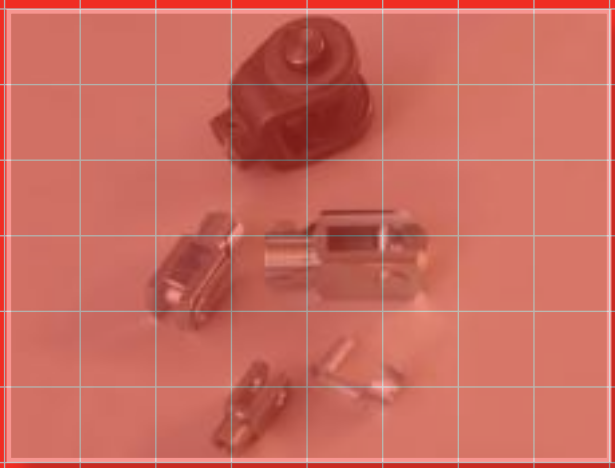






CATALOGO SNODI E FORCELLE

Ab

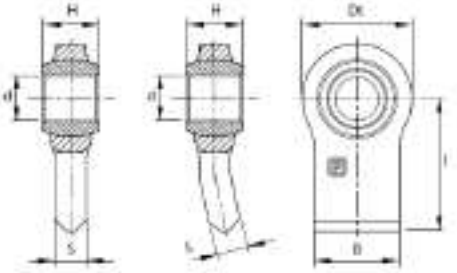
CATALOGO TECNICO

TECHNICAL CATALOGUE

TIPOLOGIA	*CODICE*	*PAGINA*
AGRICOLO	SR	**1**
INDUSTRIALE	TAPRE	**5**
	TAPRN	**6**
	TAPR…S	**7**
	TAPRU	**8**
	TFEDO	**9**
	TFE…PB	**10**
	TFIDO	**11**
	TFIPB	**12**
	TPN (TS..N)	**13**
	TAC (TS..C)	**14**
	GE	**15**
	GE..FO	**16**
	GE..FO 2SR	**17**
	GE…LO	**18**
	KLP	**19**
	FF – FS	**20**
FORCELLE	FFF	**21**
	FFF + FFL	**24**
	IF	**25**

SR

Supporto a snodo sferico ad estremità rettangolare fianchi diritti
CORPO IN ACCIAIO C.40 UNI 7845
ACCOPPIAMENTO: ACCIAIO SU ACCIAIO

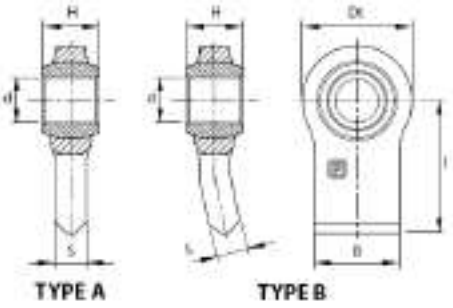


TYPE A TYPE B

SIGLA	CAT	d (A12)	H (b11)	B	S	DK	l	TYPE	PESO IN Kg
		mm							
SR 10490	-	14	32	30	11	46	60	A	0.30
SR 10495	-	16	20	30	11	46	60	A	0.27
SR 10496	-	19	44	52	17	52	50	A	0.46
SR 10494	-	18	35	50	15	65	43	A	0.58
SR 10497	-	19	35	50	15	65	43	A	0.56
SR 10498	1	22.1	35	50	15	65	43	A	0.54
SR 10501	1	22.1	35	50	15	68	90	A	0.92
SR 10503	1	22.1	35	55	15	66	70	A	0.70
SR 10506	-	25.4	38	70	18	78	80	A	1.14
SR 10507	2	28.4	38	70	18	78	80	A	1.10
SR 10508	1	22.1	35	60	15	68	90	B	0.98
SR 10510	1	22.1	35	70	18	76	50	A	0.82
SR 10515	-	25.4	35	70	18	76	50	A	0.78
SR 10520	-	26	35	70	18	76	50	A	0.78
SR 10530	2	28.4	35	70	18	76	50	A	0.76
SR 10540	1	22.1	35	70	19	83	55	A	1.18
SR 10550	-	25.4	35	70	19	83	55	A	1.16
SR 10560	2	28.4	35	70	19	83	55	A	1.12
SR 10562	2	28.4	45	70	19	83	55	A	1.16
SR 10564	2	28.4	45	70	20	82	55	A	1.22
SR 10566	-	25.4	38	70	23	80	80	A	1.56
SR 10568	2	28.4	38	70	23	80	80	A	1.52
SR 10575	2	28.4	45	70	23	80	80	A	1.54
SR 10569	-	25.4	45	70	22	80	65	A	1.36
SR 10570	2	28.4	45	70	22	80	65	A	1.32
SR 10590	1/2	22.1/28.4	45	70	22	80	65	A	1.22
SR 10579	2	28.4	45	76	17	90	82	A	1.48
SR 10585	2	28.4	45	70	21	83	110	B	1.84
SR 10580	2	28.4	45	70	22	96	65	A	1.70
SR 10597	-	32	45	70	22	96	65	A	1.66
SR 10600	-	34	45	70	22	96	65	A	1.62
SR 10602	-	35	45	70	22	96	65	A	1.60
SR 10604	3	37	45	70	22	96	65	A	1.56
SR 10610	-	38	45	80	24	108	65	A	1.96
SR 10612	-	34	45	80	24	108	65	A	2.04
SR 10614	3	37	45	80	24	108	65	A	1.98
SR 10615	2	28.4	45	80	24	108	65	A	2.16
SR 10616	-	35	45	80	24	108	65	A	2.00
SR 10617	-	42	45	80	24	108	65	A	1.88
SR 10636	2	28.4	45	94	30	94	86	A	2.58
SR 10637	-	38	45	94	30	94	86	A	2.38

SR

Supporto a snodo sferico ad estremità rettangolare fianchi diritti
CORPO IN ACCIAIO C.40 UNI 7845
ACCOPPIAMENTO: ACCIAIO SU ACCIAIO

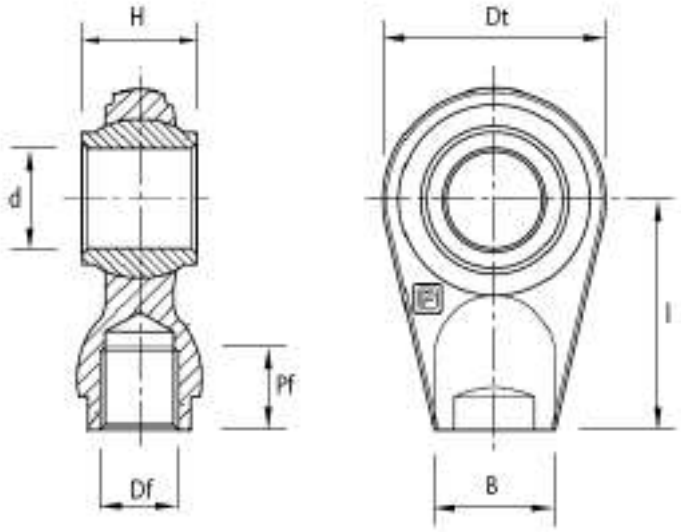


SIGLA	CAT.	d (A12)	H (h11)	B (B)	Di	l	Df	Pf	NOTE	PESO IN Kg.
		mm.								
SR 10693	-	14	44	25	55	50	-	-	BASE GREZZA	0.46
SR 10694	1	19	30	25	55	50	-	-	BASE GREZZA	0.40
SR 10695	1	19	44	25	55	50	-	-	BASE GREZZA	0.42
SR 10696	-	20	44	25	55	50	-	-	BASE GREZZA	0.41
SR 10697	1	19	44	26	55	65	-	-	BASE GREZZA	0.50
SR 10700	1	19	44	30X13	55	34	-	-	BASE GREZZA	0.44
SR 10702	-	20	44	30X13	62	34	-	-	BASE GREZZA	0.43
SR 10704	-	22.1	44	30X13	62	34	-	-	BASE GREZZA	0.42
SR 10705	1	19	44	30	62	50	-	-	BASE GREZZA	0.54
SR 10707	-	22.1	44	34	62	58	-	-	BASE SFIANATA	0.58
SR 10708	1	19	44	34	62	58	-	-	BASE SFIANATA	0.60
SR 10709	-	20	44	34	62	58	-	-	BASE SFIANATA	0.59
SR 10710	1	19	44	34	62	60	-	-	BASE SFIANATA	0.62
SR 10712	-	22.1	44	34	62	60	-	-	BASE SFIANATA	0.60
SR 10720	-	20	44	34	62	60	-	-	BASE SFIANATA	0.61
SR 10724	1	19	35	26	62	50	-	-	BASE SFIANATA	0.54
SR 10725	-	22.1	35	26	62	50	-	-	BASE SFIANATA	0.52
SR 10727	1	19	35	30	62	46	-	-	BASE SFIANATA	0.64
SR 10730	-	22.1	51	38	70	65	-	-	BASE SFIANATA	0.98
SR 10735	2	25.4	40	38	75	65	-	-	BASE SFIANATA	0.90
SR 10737	1	19	51	38	75	65	-	-	BASE SFIANATA	1.02
SR 10739	-	20	51	38	75	65	-	-	BASE SFIANATA	0.88
SR 10740	2	25.4	51	38	75	65	-	-	BASE SFIANATA	0.94
SR 10741	2	25.4	51	21	75	70	-	-	BASE SFIANATA	0.90
SR 10742	2	25.4	51	45	72	70	-	-	BASE SFIANATA	1.14
SR 10744	1	19	51	45	72	70	-	-	BASE SFIANATA	1.22
SR 10746	-	22.1	51	45	72	70	-	-	BASE SFIANATA	1.18
SR 10748	-	30	51	45	72	70	-	-	BASE SFIANATA	1.08
SR 10756	-	22.1	51	50	85	70	-	-	BASE SFIANATA	1.64
SR 10759	1	19	51	50	85	70	-	-	BASE SFIANATA	1.68
SR 10760	2	25.4	51	50	85	70	-	-	BASE SFIANATA	1.62
SR 10768	-	22.1	51	50	85	70	M27X2	27	BASE SFIANATA	1.50
SR 10769	1	19	51	50	85	70	M27X2	27	BASE SFIANATA	1.54
SR 10770	2	25.4	51	50	85	70	M27X2	27	BASE SFIANATA	1.46
SR 10780	-	30	51	50	85	70	-	-	BASE SFIANATA	1.56
SR 10790	-	30	51	50	85	70	M27X2	27	BASE SFIANATA	1.40

A RICHIESTA FORO (d) RETTIFICATO

SR

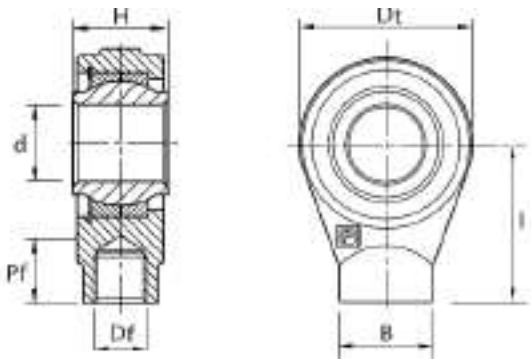
Supporto a snodo sferico ad estremità rotonda per cilindri idraulici.
Da saldare o con filettatura interna
ACCOPPIAMENTO: ACCIAIO SU ACCIAIO
CORPO IN ACCIAIO C.40 UNI 7845



ART.	CAT.	d (A12)	H (h11)	B (d)	Dt	l	Df	Pf	NOTE	PESO Kg.
SR 10791	2	25.4	51	40	90	85	-	-	BASE SPIANATA	1.68
SR 10792	-	30	51	40	90	85	-	-	BASE SPIANATA	1.64
SR 10793	3	32	51	40	90	85	-	-	BASE SPIANATA	1.58
SR 10794	3	32	51	40	90	85	M27X2	27	BASE SPIANATA	1.44
SR 10795	-	35	55	40	90	85	-	-	BASE SPIANATA	1.52
SR 10796	1/2	19/25.4	45X45	40	90	85	-	-	BASE SPIANATA	1.56
SR 10750	2	25.4	51	50	83	65	-	-	BASE SPIANATA	1.38
SR 10800	-	29	55	50	83	65	-	-	BASE SPIANATA	1.38
SR 10805	-	30	42	50	83	65	-	-	BASE SPIANATA	1.30
SR 10807	3	32	51	50	83	65	-	-	BASE SPIANATA	1.30
SR 10810	-	30	55	50	83	65	-	-	BASE SPIANATA	1.36
SR 10812	-	35	35	50	83	65	-	-	BASE SPIANATA	1.20
SR 10815	-	35	55	50	83	65	-	-	BASE SPIANATA	1.24
SR 10816	-	29	55	50	92	65	-	-	BASE SPIANATA	1.60
SR 10817	-	30	55	50	92	65	-	-	BASE SPIANATA	1.58
SR 10818	-	30	42	50	92	65	-	-	BASE SPIANATA	1.52
SR 10825	3	32	51	50	92	65	-	-	BASE SPIANATA	1.54
SR 10819	-	35	35	50	92	65	-	-	BASE SPIANATA	1.42
SR 10821	-	40	75	58	108	60	-	-	BASE SPIANATA	2.76
SR 10841	-	45	75	58	108	60	-	-	BASE SPIANATA	2.56
SR 10861	-	50	75	58	108	60	-	-	BASE SPIANATA	2.36
SR 10820	-	40	75	60	108	85			BASE SPIANATA	3.42
SR 10830	-	40	75	60	108	85	M38X2	28	BASE SPIANATA	3.10
SR 10840	-	45	75	60	108	85	-	-	BASE SPIANATA	3.22
SR 10850	-	45	75	60	108	85	M38X2	28	BASE SPIANATA	2.90
SR 10860	-	50	75	60	108	85	-	-	BASE SPIANATA	3.02
SR 10870	-	50	75	60	108	85	M38X2	28	BASE SPIANATA	2.70
SR 10880	-	60 (H7)	100	75	140	87	-	-	BASE SPIANATA	5.66

SR

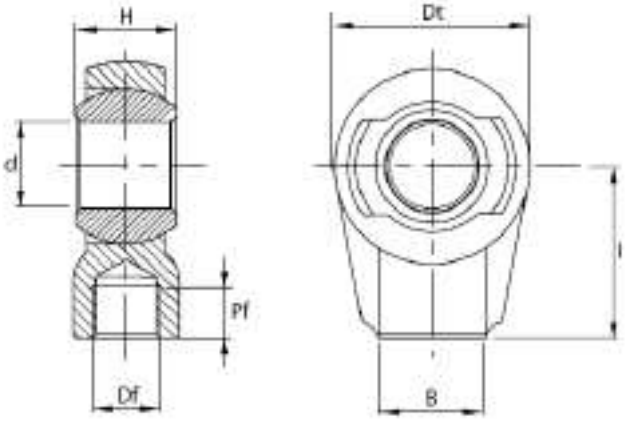
Supporto a snodo sferico ad estremità rotonda per cilindri idraulici.
Da saldare o con filettatura interna
ACCOPPIAMENTO: ACCIAIO SU ACCIAIO
CORPO IN ACCIAIO C.40 UNI 7845



ART.	CAT.	d (A11)	H (h11)	B (D)	Dt	l	Df	Pf	NOTE	PESO Kg.
SR 10871 (*)	-	40	75	65	128	85	-	-	BASE SPIANATA	6.38
SR 10872 (*)	-	45	75	65	128	85	-	-	BASE SPIANATA	6.18
SR 10873 (*)	-	50	75	65	128	85	-	-	BASE SPIANATA	5.98
SR 10874 (*)	-	40	75	65	128	85	M38X2	28	BASE SPIANATA	6.16
SR 10875 (*)	-	45	75	65	128	85	M38X2	28	BASE SPIANATA	5.96
SR 10876 (*)	-	50	75	65	128	85	M38X2	28	BASE SPIANATA	5.76

SR

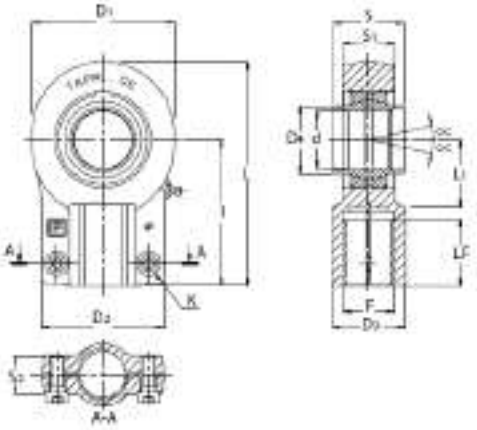
Supporto con snodo sferico smontabile
ACCOPPIAMENTO: ACCIAIO SU ACCIAIO
CORPO IN ACCIAIO C.40 UNI 7845



ART.	d (h6)	H (h11)	B (D)	Dt	l	Df	Pf	NOTE	PESO Kg.
SR 10900	16	20	27	44	45	M16X1.5	20	BASE SPIANATA	0.28
SR 10910	20	20	27	44	45	M18X1.5	20	BASE SPIANATA	0.25
SR 10920	25	30	35	61	60	M20X1.5	25	BASE SPIANATA	0.80
SR 10930	30	30	35	61	60	M22X1.5	25	BASE SPIANATA	0.72
SR 10940	35	40	45	80	80	M27X2	35	BASE SPIANATA	1.70
SR 10950	40	40	45	80	80	M30X2	35	BASE SPIANATA	1.60

TAPRE (TAPRE..CE)

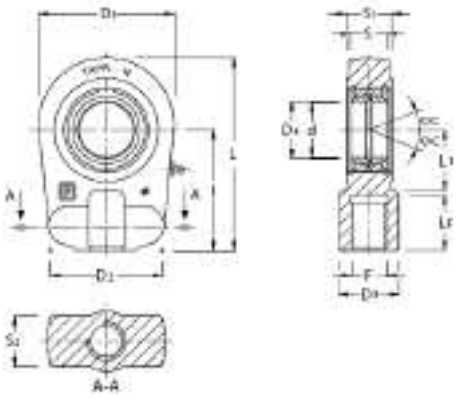
Terminali a snodo
DIN 24338 – ISO 6982
RILUBRIFICANTI – ACCOPPIAMENTO: ACCIAIO SU ACCIAIO



SIGLA (*)	d	TOLLERANZE d	TOLLERANZE S	S	D4	l	D1	D2	S1	S2	L	L3	D3	L9	F	FATTORI DI CARICO LIMITE Dinamico C	FATTORI DI CARICO LIMITE Statico Co	GIUOCO SNODO RADIALE	ANGOLO DI OSCILLAZIONE α	VITE SL UNI 5931	COPPIA DI SERRAGGIO VITI Nm	PESO ≈ Kg
	mm															kN		mm	grad			
TAPR 12 CE (1)	12	0÷+0.018	0÷-0.18	12	15.5	38	32	32	11	15	54	14	16	17	M12 X1.25	10.6	24.5	0.023 - 0.068	4	M 5X16	6	0.11
TAPR 16 CE	16	0÷+0.018	0÷-0.18	16	20	44	40	40	13	15	64	20	21	19	M14 X1.5	17.6	36.5	0.030 - 0.082	4	M 6X14	10	0.20
TAPR 20 CE	20	0÷+0.021	0÷-0.21	20	25	52	47	47	17	19	75	22	25	23	M16 X1.5	30	48	0.030 - 0.082	4	M 8X20	25	0.35
TAPR 25 CE	25	0÷+0.021	0÷-0.21	25	30.5	65	58	54	22	19	96	27	30	29	M20 X1.5	48	78	0.037 - 0.100	4	M 8X20	25	0.62
TAPR 32 CE	32	0÷+0.025	0÷-0.25	32	38	80	71	66	28	22	118	32	38	37	M27 X2	67	114	0.037 - 0.100	4	M10X25	49	1.15
TAPR 40 CE	40	0÷+0.025	0÷-0.25	40	46	97	90	80	33	26	146	41	47	46	M33 X2	100	204	0.043 - 0.120	4	M10X30	49	2.18
TAPR 50 CE	50	0÷+0.025	0÷-0.25	50	57	120	109	96	41	32	179	50	58	57	M42 X3	156	310	0.043 - 0.120	4	M12X35	86	3.96
TAPR 63 CE	63	0÷+0.030	0÷-0.30	63	71.5	140	136	114	53	38	211	62	70	64	M48 X2	255	430	0.055 - 0.142	4	M16X40	210	6.80
TAPR 70 CE (2)	70	0÷+0.030	0÷-0.30	70	79	160	155	135	57	42	245	70	80	76	M56 X2	315	540	0.055 - 0.142	4	M16X40	210	9.60
TAPR 80 CE (2)	80	0÷+0.030	0÷-0.30	80	91	180	170	148	67	48	270	78	90	86	M64 X3	400	695	0.055 - 0.142	4	M20X50	410	13.00
TAPR 90 CE (2)	90	0÷+0.035	0÷-0.35	90	99	195	185	160	72	52	296	85	100	91	M72 X3	490	750	0.055 - 0.142	4	M20X60	410	19.10
TAPR 100 CE (2)	100	0÷+0.035	0÷-0.35	100	113	210	211	178	85	62	322	98	110	96	M80 X3	610	1060	0.065 - 0.165	4	M24X80	710	25.00
TAPR 110 CE (2)	110	0÷+0.035	0÷-0.35	110	124	235	235	190	88	62	364	105	125	106	M90 X3	655	1200	0.065 - 0.165	4	M24X80	710	32.00
TAPR 125 CE (2)	125	0÷+0.040	0÷-0.40	125	138	260	265	200	103	72	405	120	135	113	M100X3	950	1430	0.065 - 0.165	4	M24X70	710	46.00
TAPR 160 CE (2)	160	0÷+0.040	0÷-0.40	160	177	310	326	250	130	82	488	150	165	126	M125X4	1370	2200	0.065 - 0.192	4	M24X80	710	82.50
TAPR 200 CE (2)	200	0÷+0.046	0÷-0.46	200	221	390	418	320	162	102	620	195	215	161	M160X4	2120	3650	0.065 - 0.192	4	M30X100	1500	168.00

TAPRN

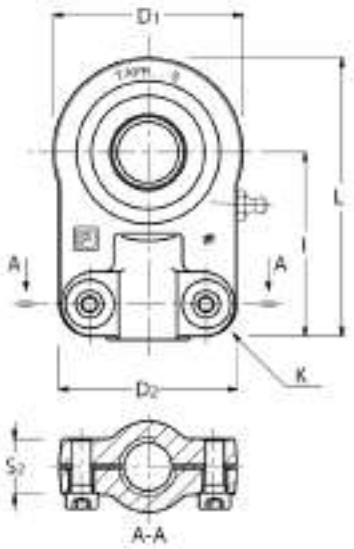
Terminali a snodo
RILUBRIFICABILI – ACCOPPIAMENTO: ACCIAIO SU ACCIAIO

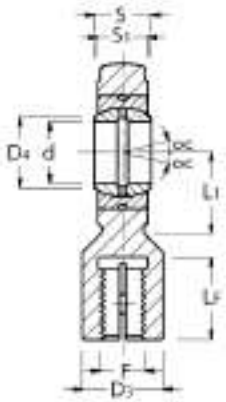


SIGLA (*)	d	TOLLERANZE d	TOLLERANZE S	S	D4	l	D1	D2	S1	S2	L	L1	D3	Lf	f	FATTORI DI CARICO LIMITE Dinamico C	FATTORI DI CARICO LIMITE Statico C0	GIUOCO SNODO RADIALE	ANGOLO DI OSCILLAZIONE ±	PESO Kg
	mm.															kN		mm	grad	
TAPR 20 N	20	0 +-0.010	0 +-0.12	16	24.1	50	56	46	19	17	80	25	25	17	M 16X1,5	30	81.1	0.030 - 0.082	0.45	9
TAPR 25 N	25	0 +-0.010	0 +-0.12	20	29.3	50	56	46	23	21	80	28	25	17	M 16X1.5	48	72	0.037 - 0.100	0.49	7
TAPR 30 N	30	0 +-0.010	0 +-0.12	22	34.2	60	64	50	28	26	94	30	32	23	M 22X1.5	62	106	0.037 - 0.100	0.76	6
TAPR 35 N	35	0 +-0.012	0 +-0.12	25	39.7	70	78	66	30	28	112	38	40	29	M 28X1.5	80	153	0.037 - 0.100	1.26	6
TAPR 40 N	40	0 +-0.012	0 +-0.12	28	45	85	94	76	35	33	135	45	49	36	M 35X1.5	100	250	0.043 - 0.120	2.15	7
TAPR 50 N	50	0 +-0.012	0 +-0.12	35	56	105	116	90	40	37	168	55	61	46	M 45X1.5	156	365	0.043 - 0.120	3.80	6
TAPR 60 N	60	0 +-0.015	0 +-0.15	44	66.8	130	130	120	50	46	200	65	75	59	M 58X1.5	245	400	0.043 - 0.120	6.20	6
TAPR 70 N	70	0 +-0.015	0 +-0.15	49	77.8	150	154	130	55	51	232	75	86	66	M 65X1.5	315	540	0.055 - 0.142	9.83	6
TAPR 80 N	80	0 +-0.015	0 +-0.15	55	89.4	170	176	160	60	55	265	80	105	81	M 80X2	400	670	0.055 - 0.142	13.97	6
TAPR 90 N (1)	90	0 +-0.020	0 +-0.20	60	98.1	210	206	180	65	60	322	90	124	101	M100X2	490	980	0.055 - 0.142	23.50	5
TAPR 100 N (1)	100	0 +-0.020	0 +-0.20	70	109.5	235	231	200	70	65	360	105	138	111	M110X2	610	1120	0.065 - 0.165	32.00	7
TAPR 110 N (1)	110	0 +-0.020	0 +-0.20	70	121.2	265	266	220	80	74	407	115	152	125	M120X3	655	1700	0.065 - 0.165	41.00	6
TAPR 120 N (1)	120	0 +-0.020	0 +-0.20	85	135.5	310	340	257	90	84	490	140	172	135	M130X3	950	2900	0.065 - 0.165	72.00	6

TAPR...S

Terminali a snodo
DIN 24555 – ISO 8133
RILUBRIFICABILI – ACCOPPIAMENTO: ACCIAIO SU ACCIAIO



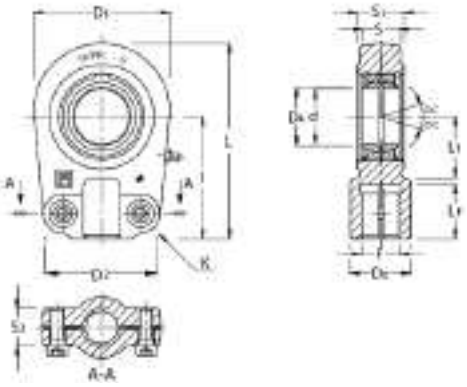


SIGLA (*)	d	TOLLERANZE d	TOLLERANZE S	S	D4	l	D1	D2	S1	D	L	L1	D3	LF	F	FATTORI DI CARICO LIMITE Dinamico C	FATTORI DI CARICO LIMITE Statico C0	GIUOCO SNODO RADIALE	ANGOLO DI OSCILLAZIONE α	VITE A (ISO 9327)	COPPIA DI SERRAGGIO (Nm)	PESO (kg)
	mm															KN		mm	gradi			
TAPR 12 S (1)	12	0 +-0.008	0 +-0.12	10	15	42	35	40	8	13	58	16	17	15	M10X1.25	10.8	17	0.032 - 0.068	11	M 6X14	10	0.12
TAPR 16 S (2)	16	0 +-0.008	0 +-0.12	14	20.7	48	45	45	11	13	69	20	21	17	M12X1.25	21.1	28.5	0.040 - 0.082	10	M 6X14	10	0.22
TAPR 20 S (2)	20	0 +-0.010	0 +-0.12	16	24.1	58	55	55	13	17	83	28	25	19	M14X1.5	30	42.5	0.040 - 0.082	9	M 8X18	25	0.43
TAPR 25 S	25	0 +-0.010	0 +-0.12	20	29.3	68	65	62	17	17	99	31	30	23	M16X1.5	48	67	0.050 - 0.100	7	M 8X18	25	0.67
TAPR 30 S	30	0 +-0.010	0 +-0.12	22	34.2	85	80	77	19	19	123	35	36	29	M20X1.5	62	108	0.050 - 0.100	6	M10X20	49	1.25
TAPR 40 S	40	0 +-0.012	0 +-0.12	28	45	105	100	90	23	23	153	45	45	37	M27X2	100	156	0.060 - 0.120	7	M10X25	49	2.16
TAPR 50 S	50	0 +-0.012	0 +-0.12	35	56	130	120	105	30	30	188	58	55	46	M33X2	156	245	0.060 - .120	6	M12X30	86	3.90
TAPR 60 S (3)	60	0 +-0.015	0 +-0.15	44	66.8	150	160	134	38	38	255	68	68	57	M42X2	245	380	0.060 - 0.120	6	M16X40	210	7.15
TAPR 80 S (3)	80	0 +-0.015	0 +-0.15	55	89.4	185	205	156	47	47	282.5	82	90	64	M48X2	400	585	0.072 - 0.142	6	M20X50	410	15.00
TAPR 100 S (3)	100	0 +-0.020	0 +-0.20	70	109.5	240	240	190	55	55	357.5	116	110	86	M64X3	610	865	0.085 - 0.165	6	M24X60	710	27.30

(1) NON RILUBRIFICABILE. (2) RILUBRIFICABILE MEDIANTE UN FORO DI LUBRIFICAZIONE SULLA TESTA. - (3) MATERIALE GHISA SFEROIDALE
(*) NEL CASO DI RICHIESTA CON FILETTATURA SINISTRORSA SOSTITUIRE NEL COD. ART. LA LETTERA "R" CON "L" ES. **TAPL...S.** - DISPONIBILITA'E PREZZO A RICHIESTA.
E' POSSIBILE LA FORNITURA DI TERMINALI SPECIALI DOTATI DI SNODO SFERICO ESENTE DA MANUTENZIONE.
(VEDI CATALOGO SNODI SFERICI SERIE: SIB.., SIT...-2RS, SILB.., SILT...-2RS, SR...TGR, SR...TG3A...-2RS). PERTANTO I PEZZI SARANNO PRIVI DI INGRASSATORE O FORO OLIATORE.

TAPRU

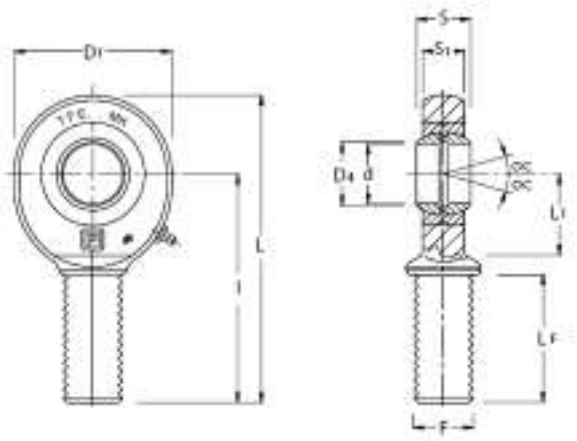
Terminali a snodo
RILUBRIFICABILI – ACCOPPIAMENTO: ACCIAIO SU ACCIAIO



SIGLA (*)	d	TOLLERANZE d	TOLLERANZE S	S	D4	l	D1	D2	S1	S2	L	L1	D3	L6	F	FATTORI DI CARICO LIMITE Dinamico C	FATTORI DI CARICO LIMITE Statico Co	GIUOCO SNODO RADIALE	ANGOLO DI OSCILLAZIONE *	VITE A (UNI 5931)	COPPIA DI SERRAGGIO VITI (Nm)	PESO (Kg)
	mm															kN		mm	gradi			
TAPR 20U	20	0 +-0.010	0 +-0.12	16	24.1	50	56	46	19	17	80	25	25	17	M 16X1,5	30	81.1	0.030 - 0.082	9	M 8X18	25	0.44
TAPR 25U	25	0 +-0.010	0 +-0.12	20	29.3	50	56	46	23	21	89	28	25	17	M 16X1.5	48	72	0.037 - 0.100	7	M 8X20	25	0.47
TAPR 30U	30	0 +-0.010	0 +-0.12	22	34.2	60	64	50	28	26	94	30	32	23	M 22X1.5	62	106	0.037 - 0.100	6	M 8X25	25	0.77
TAPR 35U	35	0 +-0.012	0 +-0.12	25	39.7	70	78	66	30	28	112	38	40	29	M 28X1.5	80	153	0.037 - 0.100	6	M10X30	49	1.24
TAPR 40U	40	0 +-0.012	0 +-0.12	28	45	85	94	76	35	33	135	45	49	36	M 35X1.5	100	250	0.043 - 0.120	7	M10X35	49	2.12
TAPR 50U	50	0 +-0.012	0 +-0.12	35	56	105	116	90	40	37	168	55	61	46	M 45X1.5	156	365	0.043 - 0.120	6	M12X40	86	3.74
TAPR 60U	60	0 +-0.015	0 +-0.15	44	66.8	130	130	120	50	46	200	65	75	59	M 58X1.5	245	400	0.043 - 0.120	6	M16X45	210	6.49
TAPR 70U	70	0 +-0.015	0 +-0.15	49	77.8	150	154	130	55	51	232	75	86	66	M 65X1.5	315	540	0.055 - 0.142	6	M16X50	210	9.88
TAPR 80U	80	0 +-0.015	0 +-0.15	55	89.4	170	176	160	60	55	265	80	105	81	M. 80X2	400	670	0.055 - 0.142	6	M20X55	410	14.20
TAPR 90U (1)	90	0 +-0.012	0 +-0.20	60	98.1	210	206	180	65	60	322	90	124	101	M100X2	490	980	0.055 - 0.142	5	M20X60	410	20.00
TAPR 100U (1)	100	0 +-0.012	0 +-0.20	70	109.5	235	231	200	70	65	360	105	138	111	M110X2	610	1120	0.065 - 0.165	7	M24X65	710	27.50
TAPR 110U (1)	110	0 +-0.012	0 +-0.20	70	121.2	265	266	220	80	74	407.5	115	152	125	M120X3	655	1700	0.065 - 0.165	6	M24X80	710	45.60
TAPR 120U (1)	120	0 +-0.012	0 +-0.20	85	135.5	310	340	257	90	84	490	140	172	135	M130X3	950	2900	0.065 - 0.165	6	M24X85	710	72.00

TFEDO (TFE..MK)

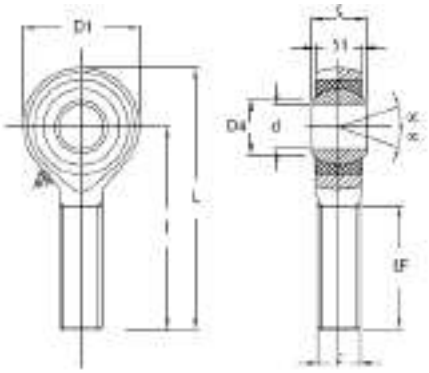
Terminali a snodo
DIN 648, SERIE E FORMA B – ISO 6126 – RILUBRIFICABILI
ACCOPPIAMENTO: ACCIAIO SU ACCIAIO – TERMINALE IN ACCIAIO C45



SIGLA (*)	d	TOLLERANZE d	TOLLERANZE S	S	D4	l	D1	S1	L	L1	LF	F	FATTORI DI CARICO LIMITE Dinamico C	FATTORI DI CARICO LIMITE Statico C0	GIUOCO SNODO RADIALE	ANGOLO DI OSCILLAZIONE α	PESO kg
	mm.												KN		mm.	gradi	
TFE 6 MK (1)	6	0 ÷ -0.008	0 ÷ -0.12	6	8	36	21	4.3	46.5	12	18	M6X1	3.4	10.2	0.023÷0.068	13	0.01
TFE 8 MK (1)	8	0 ÷ -0.008	0 ÷ -0.12	8	10.2	42	24	6	54	14	22	M8X1.25	5.5	16	0.023÷0.068	15	0.03
TFE 10 MK (1)	10	0 ÷ -0.008	0 ÷ -0.12	9	13.2	48	29	7	62.5	15	27	M10X1.5	8.1	22	0.023÷0.068	12	0.05
TFE 12 MK (1)	12	0 ÷ -0.008	0 ÷ -0.12	10	15	54	34	8	71	19	30	M12X1.75	10.8	30.4	0.023÷0.068	11	0.08
TFE 15 MK (2)	15	0 ÷ -0.008	0 ÷ -0.12	12	18.4	63	40	10	83	20	34	M14X2	17	44.8	0.030÷0.082	8	0.14
TFE 17 MK (2)	17	0 ÷ -0.008	0 ÷ -0.12	14	20.7	69	46	11	92	23	36	M16X2	21.2	56.5	0.030÷0.082	10	0.19
TFE 20 MK (2)	20	0 ÷ -0.010	0 ÷ -0.12	16	24.1	78	53	13	104.5	27.5	43	M20X1.5	30	75.6	0.030÷0.082	9	0.31
TFE 25 MK	25	0 ÷ -0.010	0 ÷ -0.12	20	29.3	94	64	17	126	32	53	M24X2	48	88.2	0.037÷0.100	7	0.56
TFE 30 MK	30	0 ÷ -0.010	0 ÷ -0.12	22	34.2	110	73	19	146.5	37	65	M30X2	62	119	0.037÷0.100	6	0.89
TFE 35 MK-2RS	35	0 ÷ -0.012	0 ÷ -0.12	25	39.7	140	82	21	181	48	82	M36X3	80	159	0.037÷0.100	6	1.40
TFE 40 MK-2RS	40	0 ÷ -0.012	0 ÷ -0.12	28	45	150	92	23	196	48	86	M39X3	100	194	0.043÷0.120	7	1.80
TFE 45 MK-2RS	45	0 ÷ -0.012	0 ÷ -0.12	32	50.7	163	102	27	218	52	94	M42X3	127	259	0.043÷0.120	7	2.60
TFE 50 MK-2RS	50	0 ÷ -0.012	0 ÷ -0.12	35	56	185	112	30	241	60	106	M45X3	156	313	0.043÷0.120	6	3.40
TFE 60 MK-2RS	60	0 ÷ -0.015	0 ÷ -0.15	44	66.8	210	135	38	277.5	75	115	M52X3	245	485	0.043÷0.120	6	5.90
TFE 70 MK-2RS	70	0 ÷ -0.015	0 ÷ -0.15	49	77.8	235	160	42	315	87	125	M56X4	315	564	0.055÷0.142	6	8.20
TFE 80 MK-2RS	80	0 ÷ -0.015	0 ÷ -0.15	55	89.4	270	180	47	360	100	140	M64X4	400	689	0.055÷0.142	6	13.10
VERSIONE CON FILETTO MAGGIORATO																	
TFE 40 MK-2RS MAG.	40	0 ÷ -0.012	0 ÷ -0.12	28	45	150	92	23	196	48	86	M42X3	100	180	0.043÷0.120	7	1.85
TFE 45 MK-2RS MAG.	45	0 ÷ -0.012	0 ÷ -0.12	32	50.7	163	102	27	218	52	94	M45X3	127	240	0.043÷0.120	7	2.66
TFE 50 MK-2RS MAG.	50	0 ÷ -0.012	0 ÷ -0.12	35	56	185	112	30	241	60	106	M52X3	156	390	0.043÷0.120	6	4.00
TFE 60 MK-2RS MAG.	60	0 ÷ -0.015	0 ÷ -0.15	44	66.8	210	135	38	277.5	75	115	M60X4	245	450	0.043÷0.120	6	6.70
TFE 70 MK-2RS MAG.	70	0 ÷ -0.015	0 ÷ -0.15	49	77.8	235	160	42	315	87	125	M72X4	315	610	0.055÷0.142	6	8.38
TFE 80 MK-2RS MAG.	80	0 ÷ -0.015	0 ÷ -0.15	55	89.4	271	180	47	360	100	140	M80X4	400	750	0.055÷0.142	6	15.00

TFE..PB

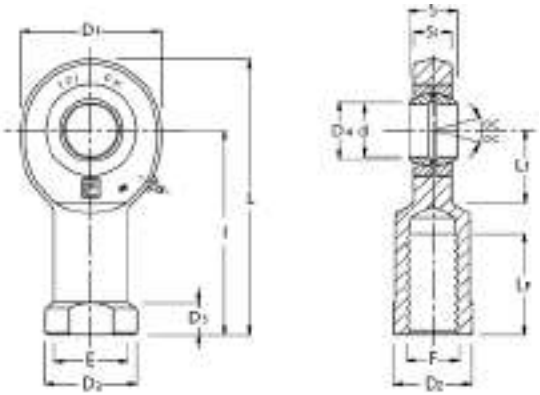
Terminali a snodo
DIN 648, SERIE K – ISO 6126 – RILUBRIFICABILI
ACCOPPIAMENTO: ACCIAIO SU BRONZO



SIGLA (*)	d	TOLLERANZE d	TOLLERANZE S	S	D4	l	D1	S1	L	LF	f	FATTORE DI CARICO LIMITE Dinamico C	FATTORE DI CARICO LIMITE Statico Co	GIUOCO SNODO RADIALE	ANGOLO DI OSCILLAZIONE α	PESO kg
	mm.											KN		mm.	gradi	
TFE 5 PB	5	0 + +0.012	0 + -0.12	8	7.7	33	16	6	41	20	M 5X0.8	3.3	4.1	0 - 0.035	13	0.01
TFE 6 PB	6	0 + +0.012	0 + -0.12	9	9.0	36	18	6.7	45	22	M 6X1	4.3	5.3	0 - 0.035	13	0.02
TFE 8 PB	8	0 + +0.015	0 + -0.12	12	10.4	42	22	9	53	25	M 8X1.25	6.8	9.2	0 - 0.035	14	0.03
TFE 10 PB	10	0 + +0.015	0 + -0.12	14	12.9	48	26	10.5	61	29	M10X1.5	10	12	0 - 0.035	14	0.05
TFE 12 PB	12	0 + +0.015	0 + -0.12	16	15.4	54	30	12	69	33	M12X1.75	13	17	0 - 0.035	13	0.08
TFE 14 PB	14	0 + +0.018	0 + -0.12	19	16.9	60	34	13.5	77	36	M14X2	17	22	0 - 0.035	16	0.12
TFE 16 PB	16	0 + +0.018	0 + -0.12	21	19.4	66	38	15	85	40	M16X2	21	28	0 - 0.035	15	0.18
TFE 18 PB	18	0 + +0.018	0 + -0.12	23	21.9	72	42	16.5	93	44	M18X1.5	26	34	0 - 0.035	15	0.26
TFE 20 PB	20	0 + +0.021	0 + -0.12	25	24.4	78	46	18	101	47	M20X1.5	31	40	0 - 0.035	15	0.34
TFE 22 PB	22	0 + +0.021	0 + -0.12	28	25.8	84	50	20	109	51	M22X1.5	38	50	0 - 0.035	15	0.49
TFE 25 PB	25	0 + +0.021	0 + -0.12	31	29.5	94	60	22	124	57	M24X2	47	63	0 - 0.035	15	0.65
TFE 28 PB	28	0 + +0.021	0 + -0.12	35	32.3	103	66	25	136	62	M27X2	59	81	0 - 0.035	15	0.87
TFE 30 PB	30	0 + +0.021	0 + -0.12	37	34.8	110	70	25	145	66	M30X2	63	86	0 - 0.035	17	1.00

TFIDO (TFI..FK)

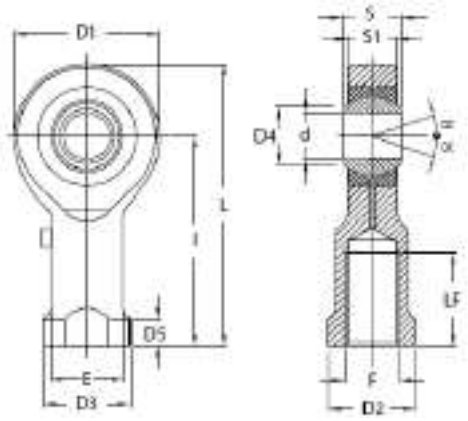
Terminali a snodo
DIN 648, SERIE E FORMA B – ISO 6126 – RILUBRIFICABILI
ACCOPPIAMENTO: ACCIAIO SU ACCIAIO – TERMINALE IN ACCIIO C45



SIGLA (*)	d	TOLLERANZE d	TOLLERANZE S	S	D4	l	D1	D3	E	D2	D5	S1	L	L1	L1	F	FATTORI DI CARICO LIMITE Dinamico C	FATTORI DI CARICO LIMITE Statico Co	GIUOCO SNODO RADIALE	ANGOLO DI OSCILLAZIONE °	PESO in Kg
	mm.																kN		mm.	gradi	
TFI 6 FK (1)	6	0 +-0.008	0 +-0.12	6	8	30	21	13	10.5	11	5	4.3	40.5	10.5	11	M 6X1	3.4	8.1	0.023 - 0.068	13	0.02
TFI 8 FK (1)	8	0 +-0.008	0 +-0.12	8	10.2	36	24	15	12	13	5	6	48	12	15	M 8X1.25	5.5	12.9	0.023 - 0.068	15	0.04
TFI 10 FK (1)	10	0 +-0.008	0 +-0.12	9	13.2	43	29	18	15	15	6.5	7	57.5	14	20	M10X1.5	8.1	17.6	0.023 - 0.068	12	0.06
TFI 12 FK (1)	12	0 +-0.008	0 +-0.12	10	15	50	34	20	17	18	6.5	8	67	17.5	24	M12X1.75	10.8	24.5	0.023 - 0.068	11	0.09
TFI 15 FK (2)	15	0 +-0.008	0 +-0.12	12	18.4	61	40	24	20	21	8	10	81	20	30	M14X2	17	36	0.030 - 0.082	8	0.18
TFI 17 FK (2)	17	0 +-0.008	0 +-0.12	14	20.7	67	46	28	23	24	10	11	90	23	34	M16X2	21.2	45	0.030 - 0.082	10	0.22
TFI 20 FK (2)	20	0 +-0.010	0 +-0.12	16	24.1	77	53	35	27.5	32	10	13	103.5	27.5	40	M20X1.5	30	60	0.030 - 0.082	9	0.35
TFI 25 FK	25	0 +-0.010	0 +-0.12	20	29.3	94	64	42	33.5	36	12	17	126	32	48	M24X2	48	83	0.037 - 0.100	7	0.64
TFI 30 FK	30	0 +-0.010	0 +-0.12	22	34.2	110	73	50	40	41	15	19	146.5	37	56	M30X2	62	110	0.037 - 0.100	6	0.93
TFI 35 FK-2RS	35	0 +-0.012	0 +-0.12	25	39.7	125	82	58	47	50	15	21	166	42	60	M36X3	80	146	0.037 - 0.100	6	1.30
TFI 40 FK-2RS	40	0 +-0.012	0 +-0.12	28	45	142	92	65	52	55	18	23	188	48	67	M39X3	100	180	0.043 - 0.120	7	2.01
TFI 45 FK-2RS	45	0 +-0.012	0 +-0.12	32	50.7	145	102	70	58	60	20	27	196	52	65	M42X3	127	240	0.043 - 0.120	7	2.50
TFI 50 FK-2RS	50	0 +-0.012	0 +-0.12	35	56	160	112	75	62	65	20	30	216	59	69	M45X3	156	290	0.043 - 0.120	6	3.50
TFI 60 FK-2RS	60	0 +-0.015	0 +-0.15	44	66.8	175	135	88	70	75	20	38	242	75	73	M52X3	245	450	0.043 - 0.120	6	5.50
TFI 70 FK-2RS	70	0 +-0.015	0 +-0.15	49	77.8	200	160	98	85	80	20	42	280	87	80	M56X4	315	610	0.055 - 0.142	6	8.60
TFI 80 FK-2RS	80	0 +-0.015	0 +-0.15	55	89.4	230	180	110	95	100	25	47	320	100	85	M64X4	400	750	0.055 - 0.142	6	12.00
VERSIONE CON FILETTO MAGGIORATO																					
TFI 40 FK-2RS MAG.	40	0 +-0.012	0 +-0.12	28	45	142	92	65	52	55	18	23	188	48	67	M42X3	100	180	0.043 - 0.120	7	1.96
TFI 45 FK-2RS MAG.	45	0 +-0.012	0 +-0.12	32	50.7	145	102	70	58	60	20	27	196	52	65	M45X3	127	240	0.043 - 0.120	7	2.44
TFI 50 FK-2RS MAG.	50	0 +-0.012	0 +-0.12	35	56	160	112	75	62	65	20	30	216	59	69	M52X3	156	290	0.043 - 0.120	6	3.40
TFI 60 FK-2RS MAG.	60	0 +-0.015	0 +-0.15	44	66.8	175	135	88	70	75	20	38	242	75	73	M60X4	245	450	0.043 - 0.120	6	6.10
TFI 70 FK-2RS MAG.	70	0 +-0.015	0 +-0.15	49	77.8	200	160	98	85	80	20	42	280	87	80	M72X4	315	610	0.055 - 0.142	6	8.70
TFI 80 FK-2RS MAG.	80	0 +-0.015	0 +-0.15	55	89.4	230	180	110	95	100	25	47	320	100	85	M80X4	400	750	0.055 - 0.142	6	13.90

TFIPB

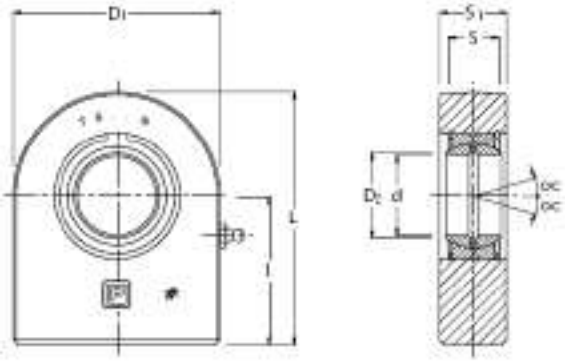
Terminali a snodo
DIN 648, SERIE K – ISO 6126 – RILUBRIFICABILI
ACCOPPIAMENTO: ACCIAIO SU ACCIAIO



SIGLA (*)	d	TOLLERANZE d	TOLLERANZE S	S	D4	l	D1	D3	E	D2	D5	S1	L	LF	F	FATTORI DI CARICO LIMITE Dinamico C	FATTORI DI CARICO LIMITE Statico Co	GIUOCO SFERICO RADIALE	ANGOLO DI OSCILLAZIONE	PESO
	mm															kN		mm	grad	kg
TFI 5 PB	5	0 +-0.012	0 +-0.12	8	7.7	27	16	11	9	9	4	6	35	14	M 5X0.8	3.3	4.1	0. - 0.035	4	0.01
TFI 6 PB	6	0 +-0.012	0 +-0.12	9	9	30	18	13	10	11	5	6.7	39	14	M 6X1	4.3	5.3	0. - 0.035	9	0.01
TFI 8 PB	8	0 +-0.015	0 +-0.12	12	10.4	36	22	16	12.5	14	5	9	47	17	M 8X1.25	6.8	9.2	0. - 0.035	12	0.03
TFI 10 PB	10	0 +-0.015	0 +-0.12	14	12.9	43	26	19	15	17	6.5	10.5	56	21	M10X1.5	10	12	0. - 0.035	10	0.08
TFI 12 PB	12	0 +-0.018	0 +-0.12	16	15.4	50	30	22	17.5	19	6.5	12	65	24	M12X1.75	13	17	0. - 0.035	12	0.12
TFI 14 PB	14	0 +-0.018	0 +-0.12	19	16.9	57	34	25	20	22	8	13.5	74	27	M14X2	17	22	0. - 0.035	14	0.14
TFI 16 PB	16	0 +-0.018	0 +-0.12	21	19.4	64	38	27	22	22	8	15	83	33	M16X2	21	28	0. - 0.035	14	0.22
TFI 18 PB	18	0 +-0.018	0 +-0.12	23	21.9	71	42	31	25	27	10	16.5	92	36	M18X1.5	26	34	0. - 0.035	13	0.32
TFI 20 PB	20	0 +-0.021	0 +-0.12	25	24.4	77	48	34	27.5	30	10	18	100	40	M20X1.5	31	40	0. - 0.035	14	0.43
TFI 22 PB	22	0 +-0.021	0 +-0.12	28	25.8	84	50	37	30	32	12	20	109	43	M22X1.5	38	50	0 - 0.035	14	0.61
TFI 25 PB	25	0 +-0.021	0 +-0.12	31	29.6	94	60	42	33.5	36	12	22	124	48	M24X2	47	63	0. - 0.035	14	0.81
TFI 28 PB	28	0 +-0.021	0 +-0.12	35	32.3	103	66	46	37	41	12	25	136	53	M27X2	59	81	0. - 0.035	14	1.20
TFI 30 PB	30	0 +-0.021	0 +-0.12	37	34.8	110	70	50	40	41	15	25	145	56	M30X2	63	86	0. - 0.035	15	1.40
VERSIONE CON FILETTO TIPO CETOP - PASSO MB																				
TFI 10 PB-MB	10	0 +-0.015	0 +-0.12	14	12.9	43	26	19	15	17	6.5	10.5	56	21	M10X1.25	10	12	0. - 0.035	10	0.08
TFI 12 PB-MB	12	0 +-0.018	0 +-0.12	16	15.4	50	30	22	17.5	19	6.5	12	65	24	M12X1.25	13	17	0. - 0.035	12	0.12
TFI 16 PB-MB	16	0 +-0.018	0 +-0.12	21	19.4	64	38	27	22	22	8	15	83	33	M16X1.5	21	28	0. - 0.035	14	0.22

TPN (TS..N)

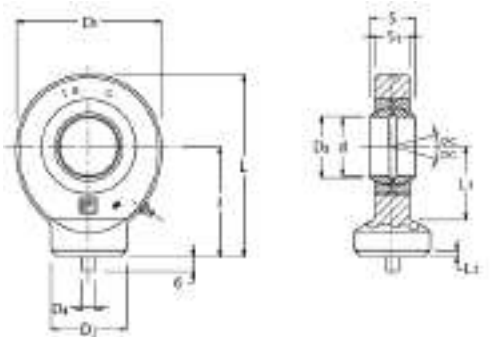
Terminali a snodo
DIN 648, SERIE E - RILUBRIFICABILI
ACCOPPIAMENTO: ACCIAIO SU ACCIAIO



SIGLA	d	TOLLERANZE d	TOLLERANZE S	S	D2	l	D1	S1	L	FATTORI DI CARICO LIMITE Dinamico C	FATTORI DI CARICO LIMITE Statico Co	GIUOCO SNODO RADIALE	ANGOLO DI OSCILLAZIONE α	PESO IN Kg
	mm.									kN		mm.	gradi	
TS 15 N	15	0 ÷ -0.008	0 ÷ -0.12	12	18.4	31	45	16	53.5	17	53	0.022 - 0.082	8	0.22
TS 16 N	16	0 ÷ -0.008	0 ÷ -0.12	14	20.7	35	48	17.5	59	21.2	59	0.025 - 0.082	10	0.29
TS 17 N	17	0 ÷ -0.008	0 ÷ -0.12	14	20.7	35	48	17.5	59	21.2	65	0.025 - 0.082	10	0.29
TS 20 N	20	0 ÷ -0.010	0 ÷ -0.12	16	24.1	38	50	19	63	30	67	0.030 - 0.082	9	0.36
TS 25 N	25	0 ÷ -0.010	0 ÷ -0.12	20	29.3	45	55	23	72.5	48	69.5	0.037 - 0.100	7	0.53
TS 30 N	30	0 ÷ -0.010	0 ÷ -0.12	22	34.2	51	65	28	83.5	62	118	0.037 - 0.100	6	0.85
TS 35 N	35	0 ÷ -0.012	0 ÷ -0.12	25	39.7	61	83	30	102.5	80	196	0.037 - 0.100	6	1.50
TS 40 N	40	0 ÷ -0.012	0 ÷ -0.12	28	45	69	100	35	119	100	305	0.043 - 0.120	7	2.42
TS 45 N	45	0 ÷ -0.012	0 ÷ -0.12	32	50.7	77	110	40	132	127	386	0.043 - 0.120	7	3.39
TS 50 N	50	0 ÷ -0.012	0 ÷ -0.12	35	56	88	123	40	149.5	156	441	0.043 - 0.120	6	4.24
TS 60 N	60	0 ÷ -0.015	0 ÷ -0.15	44	66.8	100	140	50	170	245	570	0.043 - 0.120	6	7.10
TS 70 N	70	0 ÷ -0.015	0 ÷ -0.15	49	77.8	115	164	55	197	315	724	0.055 - 0.142	6	10.70
TS 80 N	80	0 ÷ -0.015	0 ÷ -0.15	55	89.4	141	180	60	231	400	804	0.055 - 0.142	6	15.10
TS 90 N (1)	90	0 ÷ -0.020	0 ÷ -0.20	60	98.1	150	226	65	263	490	1340	0.055 - 0.142	5	23.40
TS 100 N (1)	100	0 ÷ -0.020	0 ÷ -0.20	70	109.5	170	250	70	295	610	1516	0.065 - 0.165	7	33.10
TS 110 N (1)	110	0 ÷ -0.020	0 ÷ -0.20	70	121.2	185	295	80	332.5	655	2340	0.065 - 0.165	6	48.50
TS 120 N (1)	120	0 ÷ -0.020	0 ÷ -0.20	85	135.5	210	360	90	390	950	3210	0.065 - 0.165	6	79.50

TAC (TS..C)

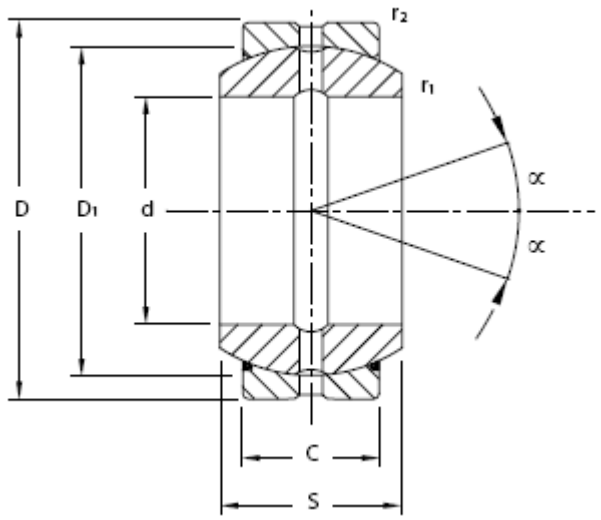
Terminali a snodo
DIN648 – SERIE E - FORMA C
RILUBRIFICABILI – ACCOPPIAMENTO: ACCIAIO SU ACCIAIO

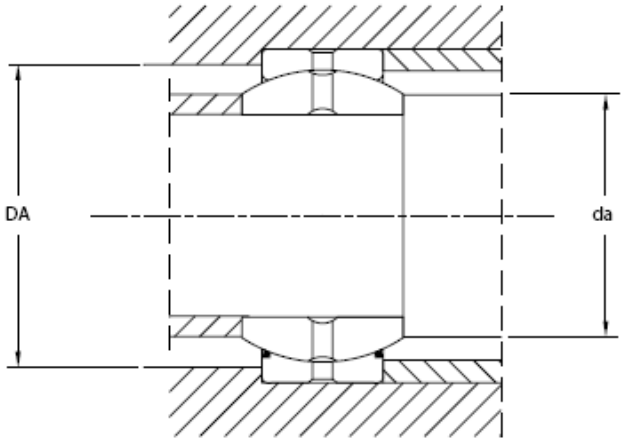


SIGLA (*)	d	TOLLERANZE d	TOLLERANZE S	S	D3	l	D1	D2	S1	L	L1	L2	D4	FATTORI DI CARICO LIMITE Dinamico C	FATTORI DI CARICO LIMITE Statico C0	GIUOCO SNODO RADIALE	ANGOLO DI OSCILLAZIONE α	PESO ca.
	mm													kN		mm	gradi	kg
TS 10 C (1)	10	0+0.008	0-0.12	9	13.2	24	29	15	7	38.5	15	2	3	8.15	15.6	0.023 - 0.068	12	0.04
TS 12 C (1)	12	0+0.008	0-0.12	10	15	27	34	17.5	8	44	18	2	3	10.8	21.6	0.023 - 0.068	11	0.06
TS 15 C (2)	15	0+0.008	0-0.12	12	18.4	31	40	21	10	51	20	2.5	4	17	32	0.030 - 0.082	8	0.12
TS 16 C (2)	16	0+0.008	0-0.12	14	20.7	35	46	24	11	58	23	3	4	19	36	0.030 - 0.082	9	0.17
TS 17 C (2)	17	0+0.008	0-0.12	14	20.7	35	46	24	11	58	23	3	4	21.2	40	0.030 - 0.082	10	0.18
TS 20 C (2)	20	0+0.008	0-0.12	16	24.1	38	53	27.5	13	64.5	27.5	3	4	30	54	0.030 - 0.082	9	0.26
TS 25 C	25	0+0.010	0-0.12	20	29.3	45	64	33.5	17	77	33	4	4	48	72	0.037 - 0.100	7	0.45
TS 30 C	30	0+0.010	0-0.12	22	34.2	51	73	40	19	87.5	37.5	4	4	62	95	0.037 - 0.100	6	0.67
TS 35 C	35	0+0.010	0-0.12	25	39.7	61	82	47	21	102	43	4	4	80	125	0.037 - 0.100	6	1.02
TS 40 C	40	0+0.012	0-0.12	28	45	69	92	52	23	115	48	5	4	100	156	0.043 - 0.120	7	1.40
TS 45 C	45	0+0.012	0-0.12	32	50.7	77	102	58	27	128	52	5	6	127	208	0.043 - 0.120	7	1.93
TS 50 C	50	0+0.012	0-0.12	35	56	88	112	62	30	144	59	6	6	156	250	0.043 - 0.120	6	2.69
TS 60 C	60	0+0.012	0-0.15	44	66.8	100	135	70	38	167.5	72.5	8	6	245	390	0.043 - 0.120	6	4.60
TS 70 C	70	0+0.015	0-0.15	49	77.8	115	160	80	42	195	86	10	6	315	510	0.055 - 0.142	6	7.00
TS 80 C	80	0+0.015	0-0.15	55	89.4	141	180	95	47	231	98	10	6	400	620	0.055 - 0.142	6	11.00

GE (SR... SR..-2RS)

Snodi sferici radiali
DIN 648, SERIE E – ISO 6124/1
RICHIEDENTI MANUTENZIONE – ACCOPPIAMENTO: ACCIAIO SU ACCIAIO

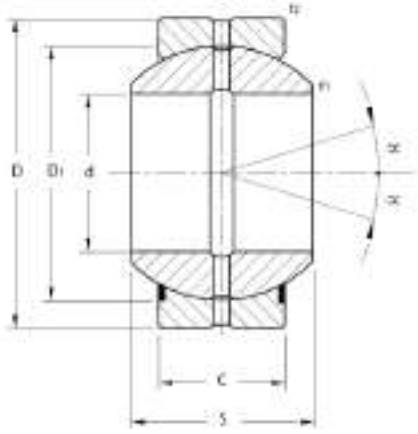


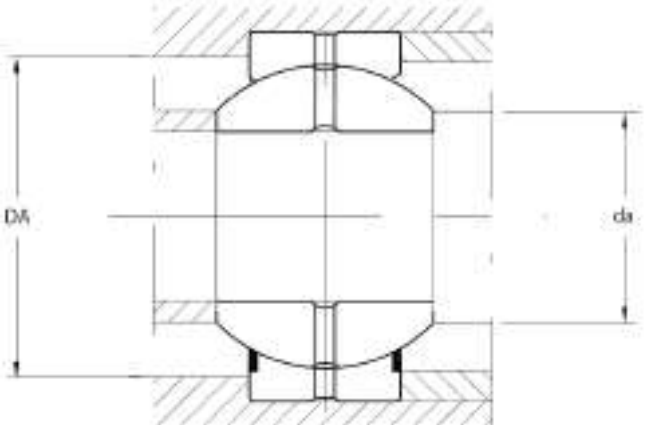


SIGLA CUSCINETTO SENZA TENUTA	SIGLA CUSCINETTO CON TENUTA	d	D	S	C	TOLLERANZE d	TOLLERANZE D	TOLLERANZE S	TOLLERANZE C	r1	R2
		mm.									
SR 6 (1)		6	14	6	4	0 +-0.008	0 +-0.008	0 +-0.12	0 +-0.24	0.3	0.3
SR 8 (1)		8	16	8	5	0 +-0.008	0 +-0.008	0 +-0.12	0 +-0.24	0.3	0.3
SR 10 (1)		10	19	9	6	0 +-0.008	0 +-0.009	0 +-0.12	0 +-0.24	0.3	0.3
SR 12 (1)		12	22	10	7	0 +-0.008	0 +-0.009	0 +-0.12	0 +-0.24	0.3	0.3
SR 15	SR 15-2RS	15	26	12	9	0 +-0.008	0 +-0.009	0 +-0.12	0 +-0.24	0.3	0.3
SR 16		16	30	14	10	0 +-0.008	0 +-0.009	0 +-0.12	0 +-0.24	0.3	0.3
SR 17	SR 17-2RS	17	30	14	10	0 +-0.008	0 +-0.009	0 +-0.12	0 +-0.24	0.3	0.3
SR 20	SR 20-2RS	20	35	16	12	0 +-0.010	0 +-0.011	0 +-0.12	0 +-0.24	0.6	0.3
SR 25	SR 25-2RS	25	42	20	16	0 +-0.010	0 +-0.011	0 +-0.12	0 +-0.24	0.6	0.6
SR 30	SR 30-2RS	30	47	22	18	0 +-0.010	0 +-0.011	0 +-0.12	0 +-0.24	0.6	0.6
SR 35	SR 35-2RS	35	55	25	20	0 +-0.012	0 +-0.013	0 +-0.12	0 +-0.30	0.6	1.0
SR 40	SR 40-2RS	40	62	28	22	0 +-0.012	0 +-0.013	0 +-0.12	0 +-0.30	0.6	1.0
SR 45	SR 45-2RS	45	68	32	25	0 +-0.012	0 +-0.013	0 +-0.12	0 +-0.30	0.6	1.0
SR 50	SR 50-2RS	50	75	35	28	0 +-0.012	0 +-0.013	0 +-0.12	0 +-0.30	0.6	1.0
SR 60	SR 60-2RS	60	90	44	36	0 +-0.015	0 +-0.015	0 +-0.15	0 +-0.40	1.0	1.0
SR 70	SR 70-2RS	70	105	49	40	0 +-0.015	0 +-0.015	0 +-0.15	0 +-0.40	1.0	1.0
SR 80	SR 80-2RS	80	120	55	45	0 +-0.015	0 +-0.015	0 +-0.15	0 +-0.40	1.0	1.0
SR 90	SR 90-2RS	90	130	60	50	0 +-0.020	0 +-0.018	0 +-0.20	0 +-0.50	1.0	1.0
SR 100	SR 100-2RS	100	150	70	55	0 +-0.020	0 +-0.018	0 +-0.20	0 +-0.50	1.0	1.0
SR 110	SR 110-2RS	110	160	70	55	0 +-0.020	0 +-0.025	0 +-0.20	0 +-0.50	1.0	1.0
SR 120	SR 120-2RS	120	180	85	70	0 +-0.020	0 +-0.025	0 +-0.20	0 +-0.50	1.0	1.0
SR 140	SR 140-2RS	140	210	90	70	0 +-0.025	0 +-0.030	0 +-0.25	0 +-0.60	1.0	1.0
SR 160	SR 160-2RS	160	230	105	80	0 +-0.025	0 +-0.030	0 +-0.25	0 +-0.60	1.0	1.0
SR 180	SR 180-2RS	180	260	105	80	0 +-0.025	0 +-0.035	0 +-0.25	0 +-0.70	1.1	1.1
SR 200 (2)	SR 200-2RS	200	290	130	100	0 +-0.030	0 +-0.035	0 +-0.30	0 +-0.70	1.1	1.1
	SR 220-2RS (2)	220	320	135	100	0 +-0.030	0 +-0.040	0 +-0.30	0 +-0.80	1.1	1.1
	SR 240-2RS (2)	240	340	140	100	0 +-0.030	0 +-0.040	0 +-0.30	0 +-0.80	1.1	1.1
	SR 260-2RS (2)	260	370	150	110	0 +-0.035	0 +-0.040	0 +-0.35	0 +-0.80	1.1	1.1
	SR 280-2RS (2)	280	400	155	120	0 +-0.035	0 +-0.040	0 +-0.35	0 +-0.80	1.1	1.1
	SR 300-2RS (2)	300	430	165	120	0 +-0.035	0 +-0.045	0 +-0.35	0 +-0.90	1.1	1.1

GE...FO (SRL... SRL..-2RS)

Snodi sferici radiali
DIN 648, SERIE G – ISO 6124/1
RICHIEDENTI MANUTENZIONE – ACCOPPIAMENTO: ACCIAIO SU ACCIAIO





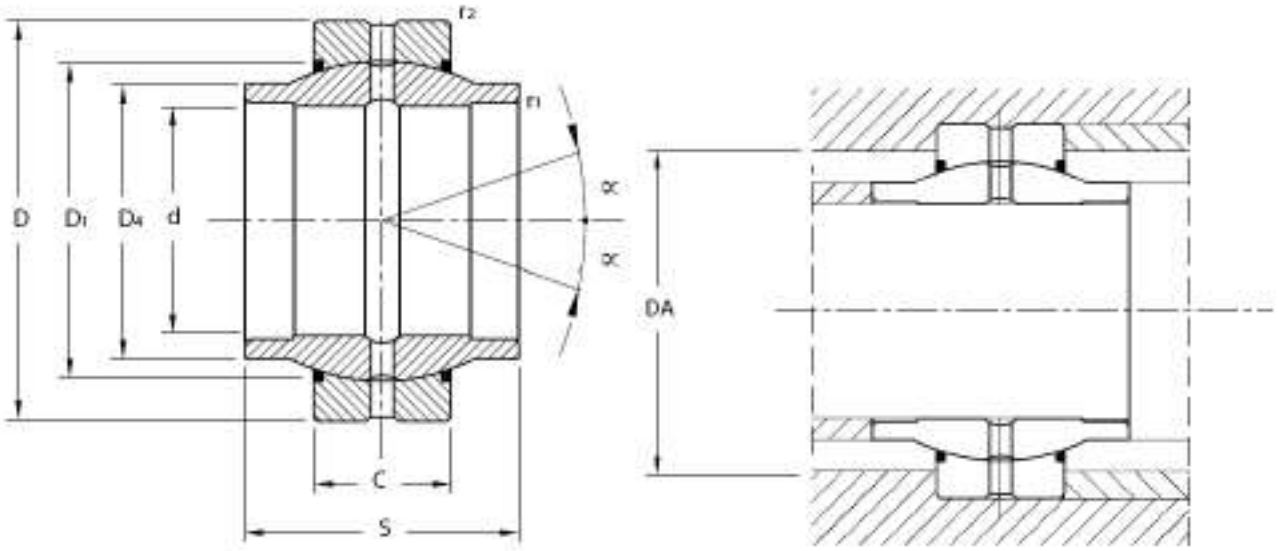
SIGLA CUSCINETTO SENZA TENUTA	SIGLA CUSCINETTO CON TENUTA	d	D	S	C	TOLLERANZE d	TOLLERANZE D	TOLLERANZE S	TOLLERANZE C	r1	R2
		mm									
SRL 6 (1) (3)		6	16	9	5	0 + -0.008	0 + -0.008	0 + -0.12	0 + -0.24	0.3	0.3
SRL 8 (1)		8	19	11	6	0 + -0.008	0 + -0.009	0 + -0.12	0 + -0.24	0.3	0.3
SRL 10 (1)		10	22	12	7	0 + -0.008	0 + -0.009	0 + -0.12	0 + -0.24	0.3	0.3
SRL 12 (2)		12	26	15	9	0 + -0.008	0 + -0.009	0 + -0.12	0 + -0.24	0.3	0.3
SRL 15	SRL 15 - 2RS	15	30	16	10	0 + -0.008	0 + -0.009	0 + -0.12	0 + -0.24	0.3	0.3
SRL 17	SRL 17 - 2RS	17	35	20	12	0 + -0.008	0 + -0.011	0 + -0.12	0 + -0.24	0.3	0.3
SRL 20	SRL 20 - 2RS	20	42	25	16	0 + -0.010	0 + -0.011	0 + -0.12	0 + -0.24	0.6	0.6
SRL 25	SRL 25 - 2RS	25	47	28	18	0 + -0.010	0 + -0.011	0 + -0.12	0 + -0.24	0.6	0.6
SRL 30	SRL 30 - 2RS	30	55	32	20	0 + -0.010	0 + -0.013	0 + -0.12	0 + -0.30	0.6	1.0
SRL 35	SRL 35 - 2RS	35	62	35	22	0 + -0.012	0 + -0.013	0 + -0.12	0 + -0.30	0.6	1.0
SRL 40	SRL 40 - 2RS	40	68	40	25	0 + -0.012	0 + -0.013	0 + -0.12	0 + -0.30	0.6	1.0
SRL 45	SRL 45 - 2RS	45	75	43	28	0 + -0.012	0 + -0.013	0 + -0.12	0 + -0.30	0.6	1.0
SRL 50	SRL 50 - 2RS	50	90	56	36	0 + -0.012	0 + -0.015	0 + -0.15	0 + -0.40	0.6	1.0
SRL 60	SRL 60 - 2RS	60	105	63	40	0 + -0.015	0 + -0.015	0 + -0.15	0 + -0.40	1.0	1.0
SRL 70	SRL 70 - 2RS	70	120	70	45	0 + -0.015	0 + -0.015	0 + -0.15	0 + -0.40	1.0	1.0
SRL 80	SRL 80 - 2RS	80	130	75	50	0 + -0.015	0 + -0.018	0 + -0.20	0 + -0.50	1.0	1.0
SRL 90	SRL 90 - 2RS	90	150	80	55	0 + -0.020	0 + -0.018	0 + -0.20	0 + -0.50	1.0	1.0
SRL 100	SRL 100 - 2RS	100	160	85	55	0 + -0.020	0 + -0.025	0 + -0.20	0 + -0.50	1.0	1.0
SRL 110	SRL 110 - 2RS	110	180	100	70	0 + -0.020	0 + -0.025	0 + -0.20	0 + -0.50	1.0	1.0
SRL 120	SRL 120 - 2RS	120	210	115	70	0 + -0.020	0 + -0.030	0 + -0.25	0 + -0.60	1.0	1.0
SRL 140	SRL 140 - 2RS	140	230	130	80	0 + -0.025	0 + -0.030	0 + -0.25	0 + -0.60	1.0	1.0
SRL 160 (3)	SRL 160 - 2RS	160	260	135	80	0 + -0.025	0 + -0.035	0 + -0.25	0 + -0.70	1.0	1.1
SRL 180 (3)	SRL 180 - 2RS	180	290	155	100	0 + -0.025	0 + -0.035	0 + -0.30	0 + -0.70	1.1	1.1
	SRL 200 - 2RS (3)	200	320	165	100	0 + -0.030	0 + -0.040	0 + -0.30	0 + -0.80	1.1	1.1
	SRL 220 - 2RS (3)	220	340	175	100	0 + -0.030	0 + -0.040	0 + -0.30	0 + -0.80	1.1	1.1
	SRL 240 - 2RS (3)	240	370	190	110	0 + -0.030	0 + -0.040	0 + -0.35	0 + -0.80	1.1	1.1
	SRL 260 - 2RS (3)	260	400	205	120	0 + -0.035	0 + -0.040	0 + -0.35	0 + -0.80	1.1	1.1
	SRL 280 - 2RS (3)	280	430	210	120	0 + -0.035	0 + -0.045	0 + -0.35	0 + -0.90	1.1	1.1

(1) NON RILUBRIFICABILE
(2) RILUBRIFICABILE SOLO TRAMITE ANELLO ESTERNO
(3) DISPONIBILITA' E PREZZO A RICHIESTA

NOTA: PER EVITARE IL DANNEGGIAMENTO O LA PERDITA DELLE PROTEZIONI (**-2RS**) E' NECESSARIO IMPEDIRE ALL'ANELLO INTERNO DI RUOTARE AL DI FUORI DELL'ANELLO ESTERNO. TALE AVVERTENZA SI RIFERISCE IN PARTICOLARE MODO AGLI SNODI CON ANELLO ESTERNO DIVISO IN DUE META', TENUTE INSIEME MEDIANTE UN NASTRO DI ACCIAIO.

GE...LO 2RS(SRC-2RS)

Snodi sferici radiali
RICHIEDENTI MANUTENZIONE – ACCOPPIAMENTO: ACCIAIO SU ACCIAIO

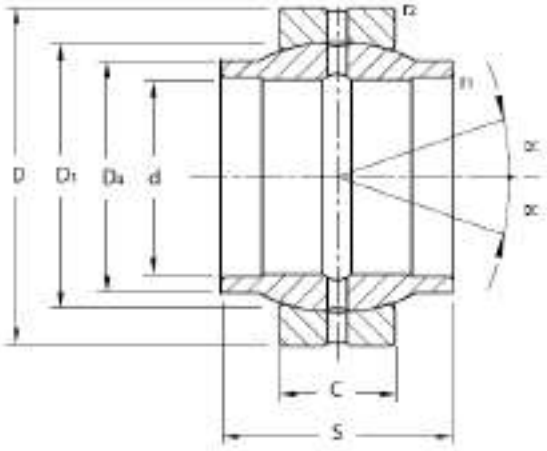


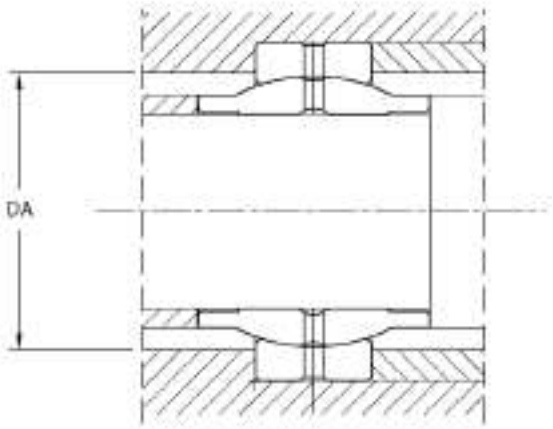
SIGLA	d	D	S	C	TOLLERANZE d	TOLLERANZE D	TOLLERANZE S	TOLLERANZE C	r1	R2
	mm.									
SRC 17- 2RS	17	30	21	10	0 +-0.008	0 +-0.009	±0.2	0 +-0.24	0.2	0.3
SRC 20- 2RS	20	35	24	12	0 +-0.010	0 +-0.011	±0.2	0 +-0.24	0.2	0.3
SRC 25- 2RS	25	42	29	16	0 +-0.010	0 +-0.011	±0.3	0 +-0.24	0.2	0.6
SRC 30- 2RS	30	47	30	18	0 +-0.010	0 +-0.011	±0.3	0 +-0.24	0.2	0.6
SRC 35- 2RS	35	55	35	20	0 +-0.012	0 +-0.013	±0.3	0 +-0.30	0.3	1.0
SRC 40- 2RS	40	62	38	22	0 +-0.012	0 +-0.013	±0.3	0 +-0.30	0.3	1.0
SRC 45- 2RS	45	68	40	25	0 +-0.012	0 +-0.013	±0.3	0 +-0.30	0.3	1.0
SRC 50- 2RS	50	75	43	28	0 +-0.012	0 +-0.013	±0.3	0 +-0.30	0.3	1.0
SRC 60- 2RS	60	90	54	36	0 +-0.015	0 +-0.015	±0.3	0 +-0.40	0.3	1.0
SRC 70- 2RS	70	105	65	40	0 +-0.015	0 +-0.015	±0.3	0 +-0.40	0.3	1.0
SRC 80- 2RS	80	120	74	45	0 +-0.015	0 +-0.015	±0.3	0 +-0.40	0.3	1.0

NOTA: PER EVITARE IL DANNEGGIAMENTO O LA PERDITA DELLE PROTEZIONI (**-2RS**) E' NECESSARIO IMPEDIRE ALL'ANELLO INTERNO DI RUOTARE AL DI FUORI DELL'ANELLO ESTERNO. TALE AVVERTENZA SI RIFERISCE IN PARTICOLARE MODO AGLI SNODI CON ANELLO ESTERNO DIVISO IN DUE META', TENUTE INSIEME MEDIANTE UN NASTRO DI ACCIAIO.

GE...LO (SRC)

Snodi sferici radiali
DIN 648 – ISO 6124/2
RICHIEDENTI MANUTENZIONE – ACCOPPIAMENTO: ACCIAIO SU ACCIAIO



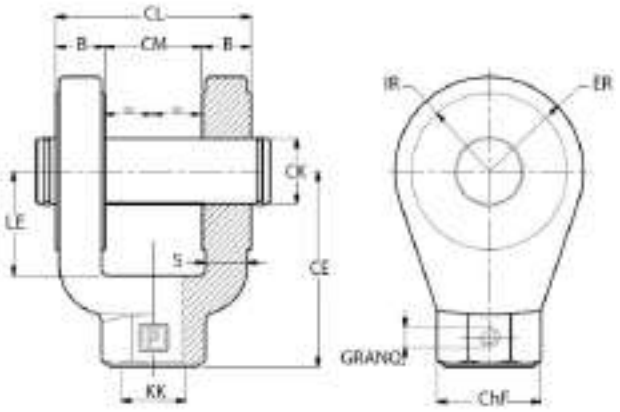


SIGLA	d	D	S	C	TOLLERANZE d	TOLLERANZE D	TOLLERANZE S	TOLLERANZE C	r1	R2
	mm									
SRC 12 (1)	12	22	12	7	0 ÷ +0,018	0 ÷ -0,009	0 ÷ -0,18	0 ÷ -0,24	0,3	0,3
SRC 16	16	28	16	9	0 ÷ +0,018	0 ÷ -0,009	0 ÷ -0,18	0 ÷ -0,24	0,3	0,3
SRC 20	20	35	20	12	0 ÷ +0,021	0 ÷ -0,011	0 ÷ -0,21	0 ÷ -0,24	0,3	0,3
SRC 25	25	42	25	16	0 ÷ +0,021	0 ÷ -0,011	0 ÷ -0,21	0 ÷ -0,24	0,6	0,6
SRC 32	32	52	32	18	0 ÷ +0,025	0 ÷ -0,013	0 ÷ -0,25	0 ÷ -0,30	0,6	1,0
SRC 40	40	62	40	22	0 ÷ +0,025	0 ÷ -0,013	0 ÷ -0,25	0 ÷ -0,30	0,6	1,0
SRC 50	50	75	50	28	0 ÷ +0,025	0 ÷ -0,013	0 ÷ -0,25	0 ÷ -0,30	0,6	1,0
SRC 63	63	95	63	36	0 ÷ +0,030	0 ÷ -0,015	0 ÷ -0,30	0 ÷ -0,40	1,0	1,0
SRC 70 (2)	70	105	70	40	0 ÷ +0,030	0 ÷ -0,015	0 ÷ -0,30	0 ÷ -0,40	1,0	1,0
SRC 80	80	120	80	45	0 ÷ +0,030	0 ÷ -0,015	0 ÷ -0,30	0 ÷ -0,40	1,0	1,0
SRC 90 (2)	90	130	90	50	0 ÷ +0,035	0 ÷ -0,018	0 ÷ -0,35	0 ÷ -0,50	1,0	1,0
SRC 100	100	150	100	55	0 ÷ +0,035	0 ÷ -0,018	0 ÷ -0,35	0 ÷ -0,50	1,0	1,0
SRC 110 (2)	110	160	110	55	0 ÷ +0,035	0 ÷ -0,025	0 ÷ -0,35	0 ÷ -0,50	1,0	1,0
SRC 125	125	180	125	70	0 ÷ +0,040	0 ÷ -0,025	0 ÷ -0,40	0 ÷ -0,50	1,0	1,0
SRC 160	160	230	160	80	0 ÷ +0,040	0 ÷ -0,030	0 ÷ -0,40	0 ÷ -0,60	1,0	1,0
SRC 200	200	290	200	100	0 ÷ +0,046	0 ÷ -0,035	0 ÷ -0,46	0 ÷ -0,70	1,1	1,1
SRC 250 (2)	250	400	250	120	0 ÷ +0,046	0 ÷ -0,040	0 ÷ -0,46	0 ÷ -0,80	1,1	1,1
SRC 320 (2)	320	520	320	160	0 ÷ +0,057	0 ÷ -0,050	0 ÷ -0,57	0 ÷ -0,90	1,1	1,1

(1) NON RILUBRIFICABILE
(2) DISPONIBILITA' E PREZZO A RICHIESTA

KLP...

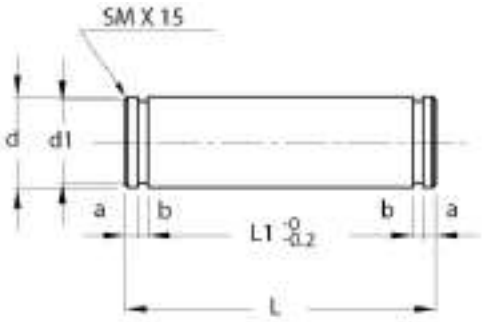
Cerniera femmina a forcella
NORMALE: ISO 8133
MATERIALE: ACCIAIO ST 52.3



SIGLA	CM	CK (H9)	CE	CL	ChF	KK	LE	ER	B	IR	S	GRANO	PESO IN Kg.
KLP 10	12	10	32	24	19	M10X1.25	13	12	6	10	4	M 5X5	0.10
KLP 12	16	12	36	32	21	M12X1.25	19	17	8	14	5.5	M 5X5	0.18
KLP 14	20	14	38	40	21	M14X1.5	19	17	10	14	7.5	M 5X5	0.23
KLP 16	30	20	54	60	32	M16X1.5	32	29	15	24	11	M 6X6	0.90
KLP 20	30	20	60	60	32	M20X1.5	32	29	15	24	11	M 6X6	0.91
KLP 27	40	28	75	80	40	M27X2	39	34	20	29	17	M 6X6	1.92
KLP 33	50	36	99	100	55	M33X2	54	50	25	44	22	M 8X8	4.92
KLP 42	60	45	113	120	56	M42X2	57	53	30	49	27	M 8X8	6.53
KLP 48	70	56	126	140	75	M48X2	63	59	35	38	31	M 8X8	10.11
KLP 64	80	70	168	160	95	M64X3	83	78	40	45	37	M12X12	19.20
KLP 80	80	70	168	160	95	M80X3	83	78	40	45	37	M12X12	18.42

PERNO KP...

Per cerniera femmina a forcella
NORME: ISO 8133
MATERIALE: PR 80 (35SMnPb10)

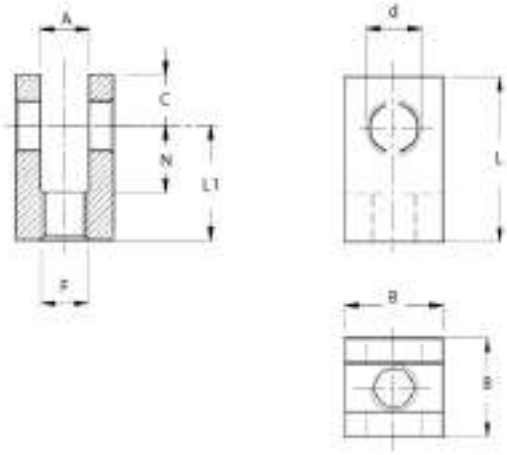


SIGLA	d	L	d1	L1	a	b	USATO PER CERNIERA A FORCELLA
KP 10	10	34	9.6	29	1.40	1.10	KLP 10
KP 12	12	43	11.5	37	1.90	1.10	KLP 12
KP 14	14	51	13.4	45	1.90	1.10	KLP 14
KP 16 ÷ 20	20	73	19	66	2.20	1.30	KLP 16 / KLP 20
KP 27	28	95	26.6	87	2.40	1.60	KLP 27
KP 33	36	117	34	107	3.15	1.85	KLP 33
KP 42	45	139	42.5	129	3.15	1.85	KLP 42
KP 48	56	161	53	149	3.80	2.17	KLP 48
KP 64 ÷ 80	70	181	67	169	3.35	2.65	KLP 64 / KLP 80

(*) SU RICHIESTA DISPONIBILI IN C40
(*) SU RICHIESTA DISPONIBILI CON TRATTAMENTO DI FOSFATAZIONE

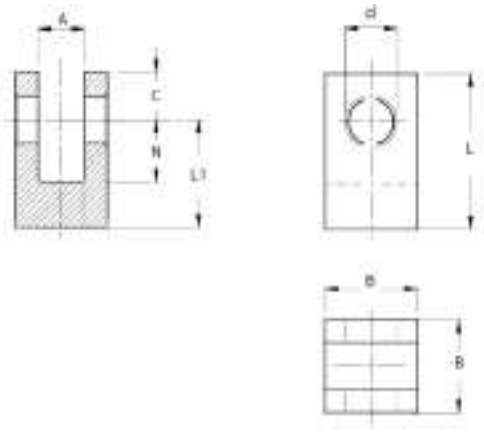
FF
Forcelle filettate

ART.	F	A	B	d	L	L1	N	C
FF 1700	M 16X1.5	16	35	16.20	55	39	24	16
FF 1702	M 20X1.5	20	40	20.25	65	45	30	20
FF 1704	M 24X2	25	50	25.25	70	50	30	20
FF 1706	M 30X2	30	60	30.25	90	65	35	25
FF 1708	M 33X2	35	70	35.25	105	75	40	30



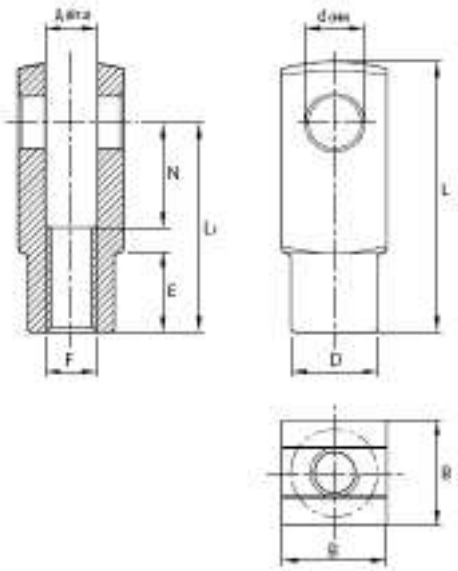
FS
Forcelle a saldare

ART.	A	B	d	L	L1	N	C
FS 1710	16	35	16.20	50	34	24	16
FS 1712	20	40	20.25	60	40	30	20
FS 1714	25	50	25.25	65	45	30	20
FS 1716	30	60	30.25	75	50	35	25
FS 1720	35	70	35.25	85	55	40	30



FFF FORCELLA CON FORO FILETTATO (cod.rif.COPE "G")

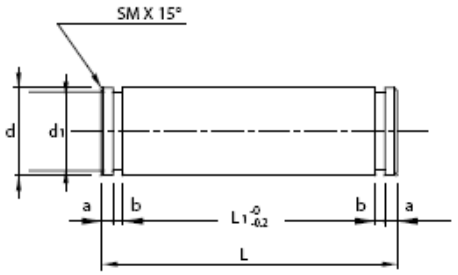
NORMA ISO 8140
MATERIALE ACCIAIO
9SMn Pb 23 R 50 Kg/mm^2



SIGLA	F	ALESAGGIO	A	B	d	D	E	L	L1	N
FFF 1760	M 4X0.7	8/10	4	8	4	8	6	21	16	8
FFF 1762	M 6X1	12/16	6	12	6	10	9	31	24	12
FFF 1764	M 8X1.25	20	8	16	8	14	12	42	32	16
FFF 1766	M10X1.25	25/32	10	20	10	18	15	52	40	20
FFF 1768	M12X1.25	40	12	24	12	20	18	62	48	24
FFF 1770	M16X1.5	50/63	16	32	16	26	24	83	64	32
FFF 1772	M20X1.5	80/100	20	40	20	34	30	105	80	40
FFF 1774	M24X2	125	25	50	25	42	36	132	100	50
FFF 1776	M36X2	160/200	35	70	35	60	40	188	144	72
G125	M27X2	125								

PERNO PER FORCELLA

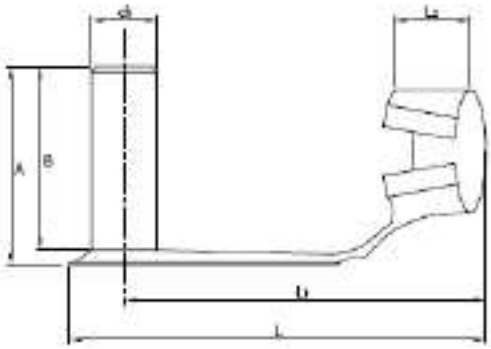
SIGLA	d X L	d1	L1	a	b	USATO PER FORCELLE ISO
PPF 1778	10 X 25	9.6	20	1.5	1.1	M10X1.25
PPF 1780	12 X 30	11.5	24	2	1.1	M12X1.25
PPF 1782	16 X 39	15.2	32	2.4	1.1	M16X1.5
PPF 1784	20 X 48	19	41	2.9	1.3	M20X1.5
PPF 1786	25 X 60	23.9	50	3.7	1.3	M24X2
PPF 1788	35 X 84	28.6	70	5.4	1.3	M36X2



CLIPS PER FORCELLA

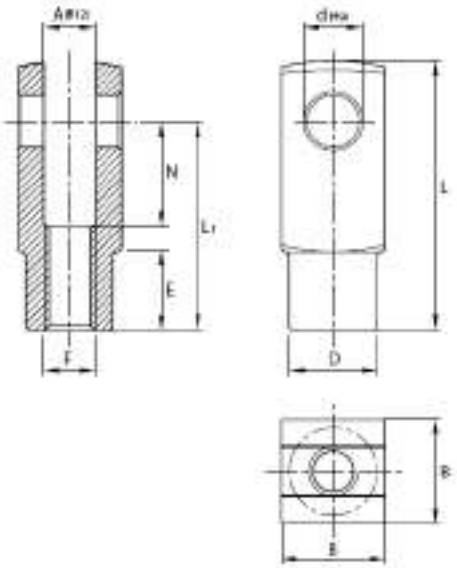
NORMA ISO 8140

SIGLA	CLIPS-ISO	d1	A	B	L	L1	L2
SAF 1790	4	4	11	9	19	15	5
SAF 1792	6	6	16	14	28	23	6
SAF 1794	8	8	21	19	37	31	8
SAF 1796	10	10	26	23	46	39	10
SAF 1798	12	12	32	28	55	47	12
SAF 1800	16	16	40	36	72	62	14
SAF 1802	20	20	48	44	88	72	16



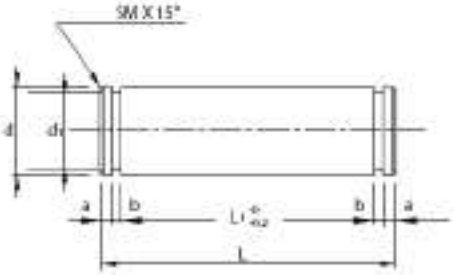
FFF FORCELLA CON FORO FILETTATO

NORMA CETOP RP 102 P
MATERIALE ACCIAIO
9SMn Pb 23 R 50 Kg/mm^2



SIGLA	F	ALESAGGIO	A	B	d	D	E	L	L1	N
FFF 1722	M10X1.25	25/32	10	20	10	18	15	52	40	20
FFF 1724	M12X1.25	40	12	24	12	20	18	62	48	24
FFF 1726	M16X1.5	50/63	16	32	16	26	24	83	64	32
FFF 1728	M20X1.5	80/100	20	40	20	34	30	105	80	40
FFF 1730	M24X2	125	25	50	25	42	36	132	100	50
FFF 1732	M36X2	160/200	35	70	35	60	40	188	144	72

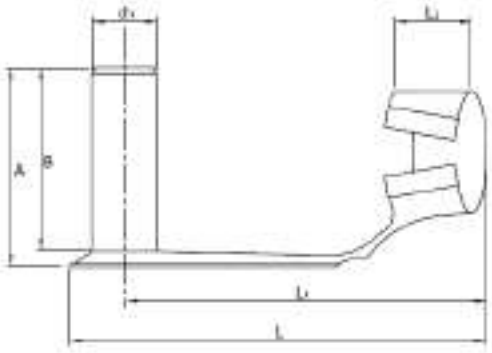
PERNO PER FORCELLA



SIGLA	d X L	d1	L1	a	b	USATO PER FORCELLE CETOP
PPF 1734	10 X 25	9.6	20	1.5	1.1	M10X1.25
PPF 1736	12 X 30	11.5	24	2	1.1	M12X1.25
PPF 1738	16 X 39	15.2	32	2.4	1.1	M16X1.5
PPF 1740	20 X 48	19	40	2.9	1.3	M20X1.5
PPF 1742	25 X 60	23.9	50	3.7	1.3	M24X2
PPF 1744	35 X 84	28.6	70	5.4	1.3	M36X2

CLIPS PER FORCELLA

NORMA CETOP

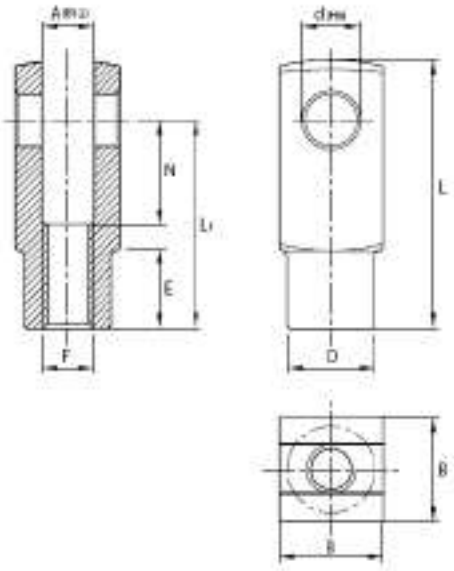


SIGLA	CLIPS CETOP	d1	A	B	L	L1	L2
SAF 1746	10	10	36	23	46	39	10
SAF 1748	12	12	32	28	55	47	12
SAF 1750	16	16	40	36	72	62	14
SAF 1752	20	20	48	44	88	72	16

FFF FORCELLA CON FORO FILETTATO

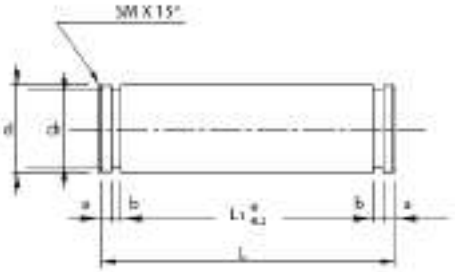
NORMA CNOMO
MATERIALE ACCIAIO
9SMn Pb 23 R 50 Kg/mm^2

SIGLA	ALESAGGIO	I	A	B	B1	d	D	E	L	L1	N
FFF 12400	32	M10X1.5	11	22	22	8	18	14	45	36	20
FFF 12402	40/50	M16X1.5	18	36	26	12	26	17	64	51	26
FFF 12404	63/80	M20X1.5	22	45	34	16	34	18.5	80	63	30
FFF 12406	100/125	M27X2	30	63	42	20	42	30	105	85	45
FFF 12408	160/200	M36X2	40	80	50	25	50	45	140	115	75



PERNO PER FORCELLA

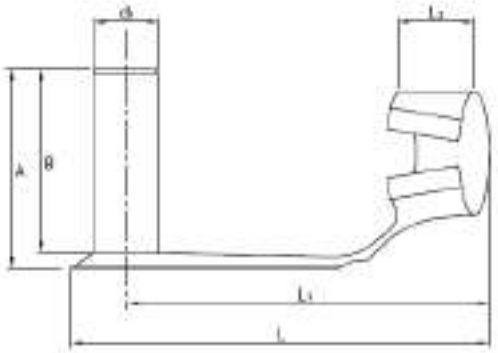
SIGLA	PERNI CNOMO	d	L	D1	L1	a	b
PPF 12420	10	8	30	7.6	22	3	0.9
PPF 12422	16	12	45	11.5	36	3.5	1.1
PPF 12424	20	16	55	15.2	45	3.9	1.1
PPF 12426	27	20	75	19	63	4.9	1.3
PPF 12428	36	25	95	23.9	80	6.2	1.3



CLIPS PER FORCELLA

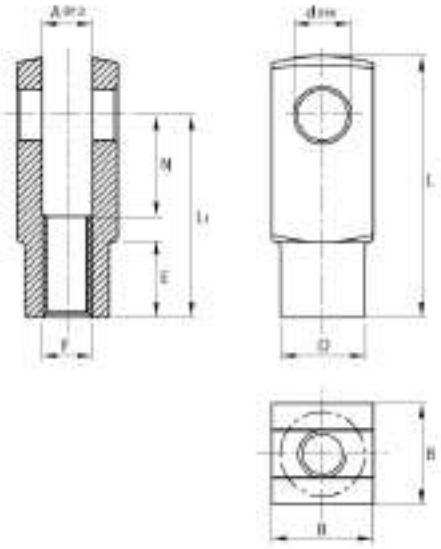
NORMA CNOMO

SIGLA	CLIPS CNOMO	d1	A	B	L	L1	L2
SAF 12440	10	8	28	25	41	36	10
SAF 12442	16	12	44	39	60	50	12
SAF 12444	20	16	53	48	74	63	15
SAF 12446	27	20	73	66	98	81	19



FFF-FFL FORCELLA CON FORO FILETTATO

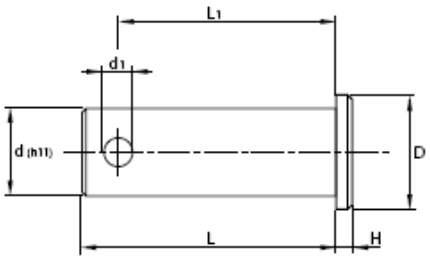
UNI 1676 – DIN 71752
MATERIALE ACCIAIO
9SMn Pb 23 R 50 Kg/mm^2



SIGLA	F	N	A	B	d	D	E	L	L1
FFF 12330	M 6X1	12	6	12	6	10	9	31	24
FFL 12330	M 6X1	24	6	12	6	10	9	43	36
FFF 12331	M 8X1.25	16	8	16	8	14	12	42	32
FFL 12331	M 8X1.25	32	8	16	8	14	12	58	48
FFF 12332	M10X1.5	20	10	20	10	18	15	52	40
FFL 12332	M10X1.5	40	10	20	10	18	15	72	60
FFF 12333	M12X1.75	24	12	24	12	20	18	62	48
FFL 12333	M12X1.75	48	12	24	12	20	18	88	72
FFF 12334	M14X2	28	14	27	14	24	23	72	56
FFL 12334	M14X2	56	14	27	14	24	23	101	85
FFF 12335	M16X2	32	16	32	16	26	24	83	64
FFL 12335	M16X2	64	16	32	16	26	24	115	96
FFF 12385	M18X2.5	36	18	36	18	30	27	94	72
FFF 12386	M20X2.5	40	20	40	20	34	30	105	80

PERNO CON TESTA

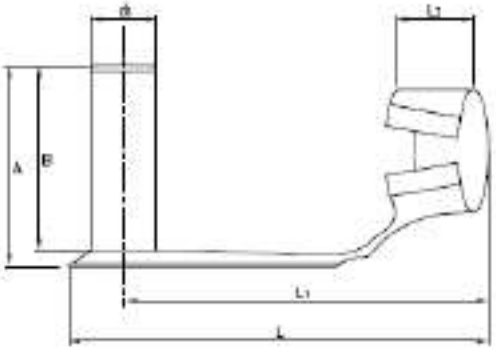
SIGLA	d X L	H	D	d1	L1
PPF 12336	6 X 16	1.5	9	2	13
PPF 12337	8 X 20	2	12	2	17
PPF 12338	10 X 25	2	14	3	21.5
PPF 12339	12 X 30	3	16	3	26.5
PPF 12340	14 X 35	3	19	4	31
PPF 12341	16 X 40	3	20	4	36
PPF 12388	18 X 45	4	22	4	40
PPF 12389	20 X 49	4	24	4	43.5



CLIPS PER FORCELLE

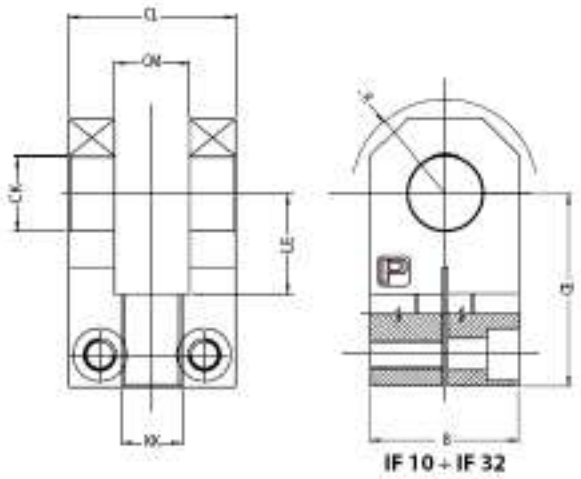
UNI 1676 - DIN 71752

SIGLA	d X l	d1	A	B	L	L1	L2
SAF 12342	6 X 12	6	16	14	28	23	6
SAL 12342	6 X 24	6	16	14	40	35	6
SAF 12343	8 X 16	8	22	18	37	31	8
SAL 12343	8 X 32	8	22	19	53	47	8
SAF 12344	10 X 20	10	26	23	46	39	10
SAL 12344	10 X 40	10	26	23	66	59	10
SAF 12345	12 X 24	12	32	28	55	47	12
SAL 12345	12 X 48	12	32	28	80	71	12
SAF 12346	14 X 28	14	32	30	62	51	14
SAF 12347	16 X 32	16	38	36	75	61	15
SAF 12390	20 X 40	20	47	44	95	77	16

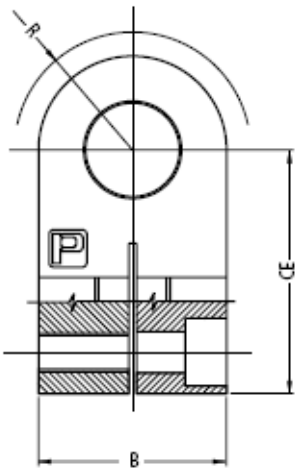


IF...

Forcella d'estremità
NORME ISO 8132 – MATERIALE Fe510



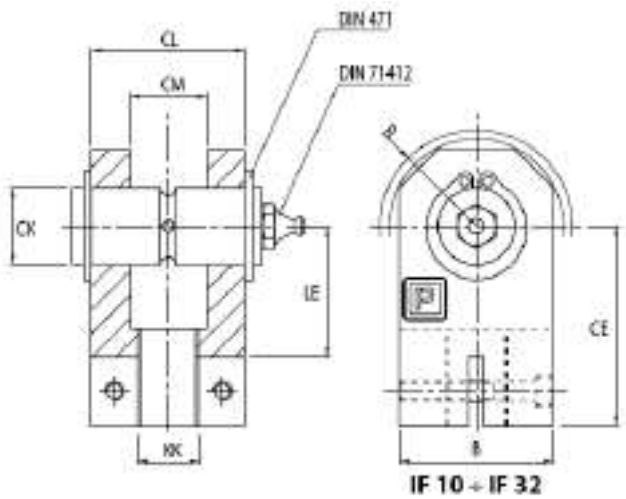
IF 10 ÷ IF 32



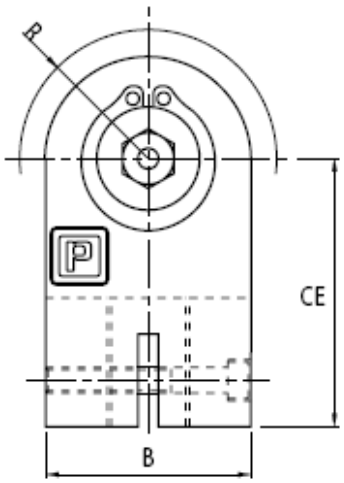
IF 40 ÷ IF 80

SIGLA	CK (H9)	CL	CM	CE	LE min.	KK	B	R max.	FORZA NOMINALE	PESO in Kg
	mm.								KN	
IF 10	10	24	10	37	18	M10X1.25	20	11	5	0.10
IF 12	12	28	12	38	18	M12X1.25	25	16	8	0.16
IF 16	16	36	16	44	22	M14X1.5	30	20	12.5	0.27
IF 20	20	45	20	52	27	M16X1.5	40	25	20	0.53
IF 25	25	56	25	65	34	M20X1.5	50	32	32	1.12
IF 32	32	70	32	80	42	M27X2	65	40	50	2.18
IF 40	40	90	40	97	52	M33X2	80	50	80	4.40
IF 50	50	110	50	120	64	M42X2	100	63	125	7.60
IF 63	63	140	63	140	75	M48X2	120	71	200	17.70
IF 80	80	170	80	180	94	M64X3	150	90	320	30.60

Possibilità di utilizzo completa di perno (come da figura sottostante)



IF 10 ÷ IF 32



IF 40 ÷ IF 80

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