Hydraulické valce ISO 3320 - 160 bar
Séria HV



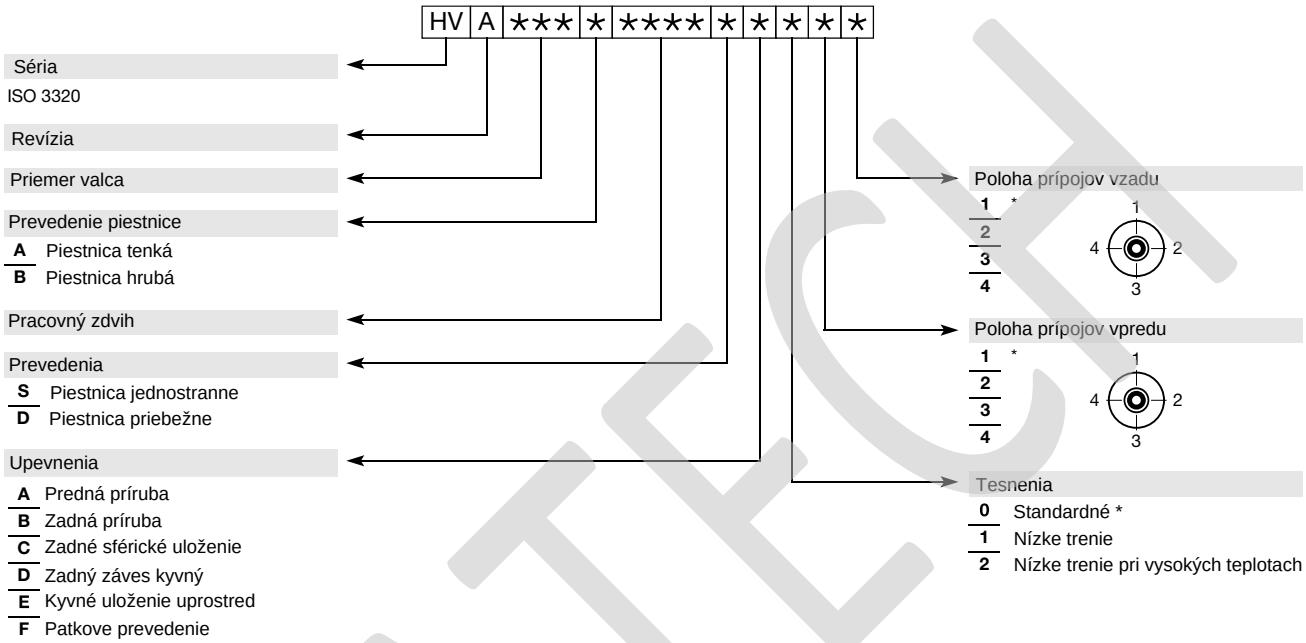
TECHNICKÉ CHARAKTERISTIKY

Norma	ISO 3320																					
Nominálny tlak	160 bar																					
Skúšobný tlak	240 bar																					
Teplota okolia	-20°C až +80°C																					
	-20°C až +160°C u Vitonu																					
Teplota oleja	-20°C až +80°C																					
	-20°C až +160°C u Vitonu																					
Olej	Minerálny olej, iné typy na požiadanie																					
Priemer valca (mm)	**32**	**40**		**50**		**63**		**80**		**100**		**125**		**160**		**200**		**250**				
Piemer piestnice (mm)	**20**	**22**	**28**	**28**	**36**	**36**	**45**	**45**	**56**	**56**	**70**	**70**	**90**	**90**	**110**	**110**	**140**	**140**	**180**			
Maximálna rýchlost (m/s) standardne tesnenia	**0,5**					**0,4**																
Maximálna rýchlost (m/s) tesnenia s nízkym trením	**1**																					

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Hydraulické valce ISO 3320 - 160 bar
Séria HV

Kodifikácia valcov

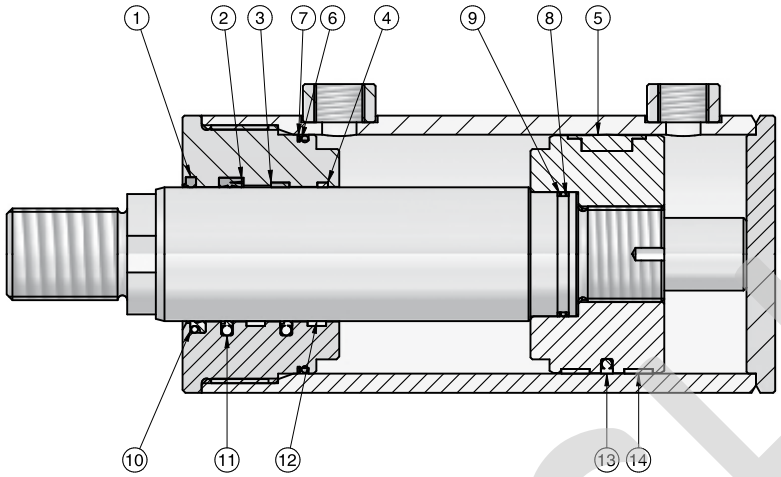


Pre zdvihy vacsie ako 1000mm je pouzity distancny kruzok.
Predlzuje dlzku valca nasledovne :
1001-1500: +50mm
1501-2000: +100mm
2001-2500: +150mm
2501-3000: +200mm

* - predvolená možnost

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Hydraulické valce ISO 3320 - 160 bar
Séria HV



Číslo	Názov
1	Stierací kruzok
2	Tesnenie piestnice
3	Vodiaci kruzok
4	Vodiaci kruzok piestnice
5	Tesnenie piestu
6	O-kruzok
7	Pevný kružok
8	O-kruzok
9	Pevný kružok
10	Stieraci kruzok s nizkym trenim
11	Tesnenie piestnice s nizkym trenim
12	Vodiaci kružok s nizkym trenim
13	Tesniaci kruzok piestu
14	Vodiaci kružok s nizkym trenim

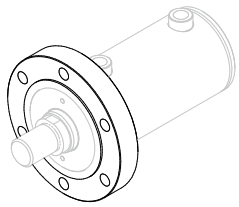
KHV ✶✶✶ ✶✶✶ ✶

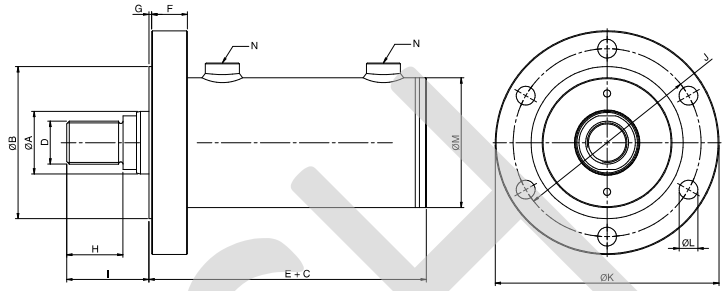
ISO 3320	D valca	D piestnice	Typ tesnenia
	032 = 32 mm	020 = 20 mm	0 = standardné tesnenie
	040 = 40 mm	022 = 22 mm	1 = tesnenie s nizkym trenim
	050 = 50 mm	028 = 28 mm	2 = tesnenie s nizkym f do vysokych teplot
	063 = 63 mm	036 = 36 mm	
	080 = 80 mm	045 = 45 mm	
	100 = 100 mm	056 = 56 mm	
	125 = 125 mm	070 = 70 mm	
	160 = 160 mm	090 = 90 mm	
	200 = 200 mm	110 = 110 mm	
	250 = 250 mm	140 = 140 mm	
		180 = 180 mm	

FISATEC

Hydraulické valce ISO 3320 - 160 bar
Séria HV

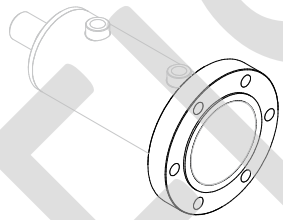
Oválna príruba v predu

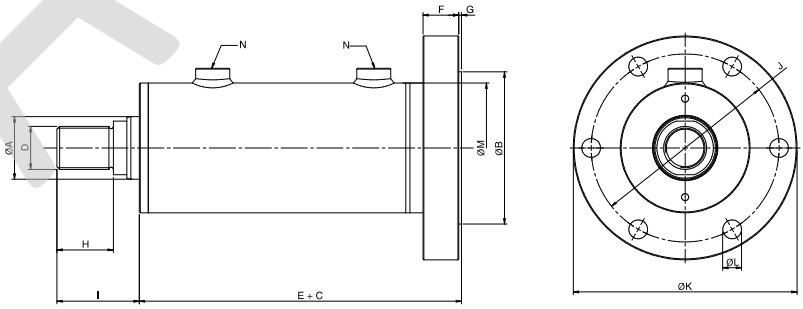




Ø	ØA	E	B	D	F	G	H	I	J	K	L	M	N
32	20	107	52	M14 x 1,5	15	2	18	35	67	80	7	42	1/4"G
40	22 28	97	60	M16 x 1,5	15	2	22	40	82	100	9	50	3/8"G
50	28 36	104	75	M20 x 1,5	18	2	28	48	103	125	11	60	3/8"G
63	36 45	106	90	M27 x 2	20	2	36	58	120	145	13	75	3/8"G
80	45 56	126	110	M33 x 2	28	2	45	68	142	170	15	95	3/8"G
100	56 70	138	135	M42 x 2	30	3	56	85	170	202	17	115	1/2"G
125	70 90	210	170	M48 x 2	40	3	63	92	210	250	21	145	3/4"G
160	90 110	238	215	M80 x 3	54	3	95	130	270	320	29	185	1"G
200	110 140	278	270	M80 x 3	65	3	95	130	330	385	32	230	1 1/4"G
250	140 180	338	330	M110 x 3	65	5	110	150	390	440	29	298	1 1/4"G

Oválna príruba vzadu



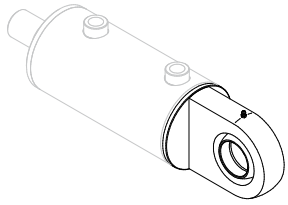


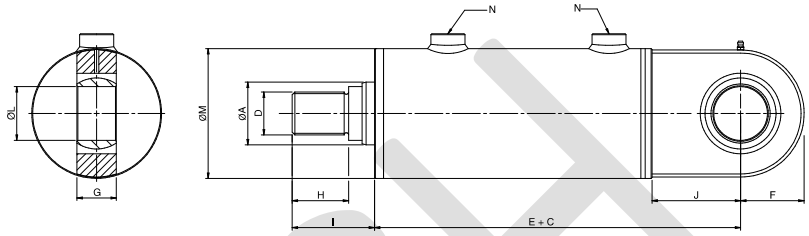
Ø	ØA	E	B	D	F	G	H	I	J	K	L	M	N
32	20	125	52	M14 x 1,5	15	2	18	35	67	80	7	42	1/4"G
40	22 28	130	60	M16 x 1,5	15	2	22	40	82	100	9	50	3/8"G
50	28 36	139	75	M20 x 1,5	18	2	28	48	103	125	11	60	3/8"G
63	36 45	149	90	M27 x 2	20	2	36	58	120	145	13	75	3/8"G
80	45 56	171	110	M33 x 2	28	2	45	68	142	170	15	95	3/8"G
100	56 70	185	135	M42 x 2	30	3	56	85	170	202	17	115	1/2"G
125	70 90	260	170	M48 x 2	40	3	63	92	210	250	21	145	3/4"G
160	90 110	308	215	M80 x 3	54	3	95	130	270	320	29	185	1"G
200	110 140	363	270	M80 x 3	65	3	95	130	330	385	32	230	1 1/4"G
250	140 180	408	330	M110 x 3	65	5	110	150	390	440	29	298	1 1/4"G

FSA TECH

Hydraulické valce ISO 3320 - 160 bar
Séria HV

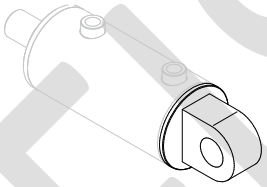
Zadné sférické uloženie

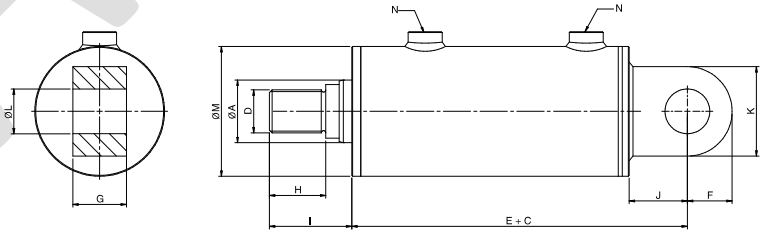




Ø	ØA	E	D	F	G	H	I	J	L	M	N
32	20	145	M14 x 1,5	22,8	16	18	35	38	20	42	1/4"G
40	22 28	14	M16 x 1,5	27,5	20	22	40	45	25	50	3/8"G
50	28 36	157	M20 x 1,5	32,5	22	36	48	51	29	60	3/8"G
63	36 45	167	M27 x 2	41,5	25	36	58	61	35	75	3/8"G
80	45 56	195	M33 x 2	50	28	45	68	69	40	95	3/8"G
100	56 70	226	M42 x 2	61,5	35	56	85	88	50	115	1/2"G
125	70 90	310	M48 x 2	71	44	63	92	99	60	145	3/4"G
160	90 110	379	M80 x 3	90	55	95	130	141	80	185	1"G
200	110 140	433	M80 x 3	115	70	95	130	155	100	230	1 1/4"G
250	140 180	468	M110 x 3	147,5	70	110	150	165	110	298	1 1/4"G

Zadný záves



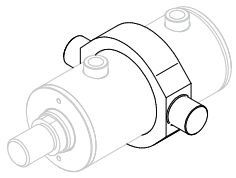


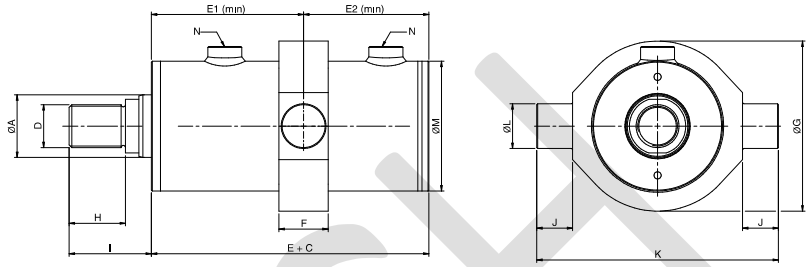
Ø	ØA	E	D	F	G	H	I	J	K	L	M	N
32	20	127	M14 x 1,5	13	16	18	35	20	26	12	42	1/4"G
40	22 28	122	M16 x 1,5	16	20	22	40	25	32	16	50	3/8"G
50	28 36	132	M20 x 1,5	20	25	36	48	28	40	20	60	3/8"G
63	36 45	138	M27 x 2	25	32	36	58	32	50	25	75	3/8"G
80	45 56	171	M33 x 2	32	40	45	68	45	64	32	95	3/8"G
100	56 70	193	M42 x 2	40	50	56	85	55	80	40	115	1/2"G
125	70 90	275	M48 x 2	50	60	63	92	65	100	50	145	3/4"G
160	90 110	313	M80 x 3	63	80	95	130	75	126	63	185	1"G
200	110 140	373	M80 x 3	80	100	95	130	95	160	80	230	1 1/4"G
250	140 180	468	M110 x 3	100	120	110	150	130	200	100	298	1 1/4"G

FSA TECH

Hydraulické valce ISO 3320 - 160 bar
Séria HV

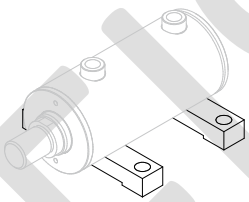
Kyvné uloženie uprostred

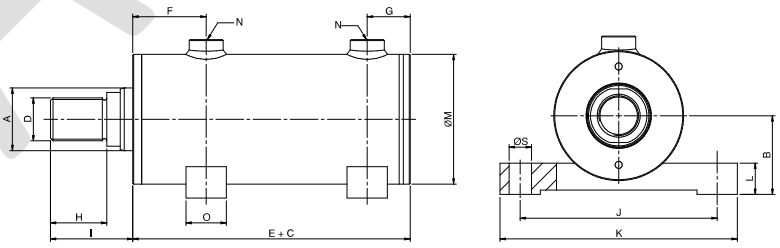




Ø	ØA	E	E1	E2	D	F	G	H	I	J	K	L	M	N
32	20	107	65	58	M14 x 1,5	20	56	18	35	12	80	16	42	1/4"G
40	22 28	97	74	64	M16 x 1,5	24	70	22	40	16	102	20	50	3/8"G
50	28 36	104	80	69	M20 x 1,5	30	85	28	48	20	125	25	60	3/8"G
63	36 45	106	84	70	M27 x 2	40	105	36	58	25	155	32	75	3/8"G
80	45 56	126	95	75	M33 x 2	40	125	45	68	25	175	32	95	3/8"G
100	56 70	138	106	82	M42 x 2	45	156	56	85	32	220	40	115	1/2"G
125	70 90	210	140	115	M48 x 2	55	190	63	92	40	270	50	145	3/4"G
160	90 110	238	175	130	M80 x 3	70	250	95	130	50	350	63	185	1"G
200	110 140	278	190	145	M80 x 3	90	300	95	130	63	426	80	230	1 1/4"G
250	140 180	338	257	210	M110 x 3	110	345	110	150	80	520	100	298	1 1/4"G

Patkové upevnenie



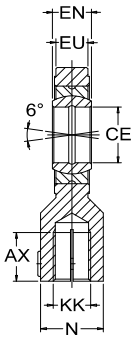


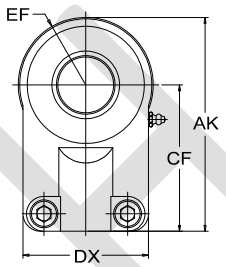
Ø	ØA	E	B	D	H	I	J	K	L	M	N	O	S
32	20	107	28	M14 x 1,5	18	35	75	95	16	42	1/4"G	20	11
40	22 28	97	35	M16 x 1,5	22	40	94	118	20	50	3/8"G	25	13
50	28 36	104	40	M20 x 1,5	36	48	105	130	20	60	3/8"G	25	15
63	36 45	106	50	M27 x 2	36	58	130	160	25	75	3/8"G	30	17
80	45 56	126	62	M33 x 2	45	68	160	195	30	95	3/8"G	40	19
100	56 70	138	73	M42 x 2	56	85	185	225	30	115	1/2"G	40	23
125	70 90	210	88	M48 x 2	63	92	220	265	35	145	3/4"G	45	25
160	90 110	238	100	M80 x 3	95	130	295	355	40	185	1"G	60	35
200	110 140	278	115	M80 x 3	95	130	355	425	50	230	1 1/4"G	70	41
250	140 180	338	140	M110 x 3	110	150	425	510	65	298	1 1/4"G	78	47

FISAFI

Hydraulické valce ISO 3320 - 160 bar
Séria HV

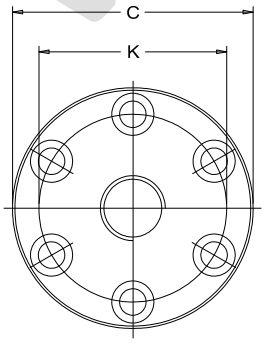
ISO 8133

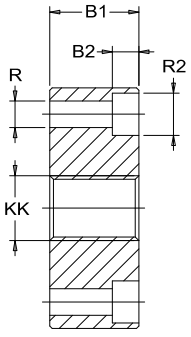




D	KK (metric)	EN	EU	Ø CE $^{-0}_{-0,008}$	$EF_{max.}$	$N_{max.}$	DX	CF^{js13}	AK	$AX_{min.}$	P/N
14	M12x1,25	14 $^{-0}_{-0,12}$	11	16 $^{-0}_{-0,008}$	21	21	45	48	69	17	HRT014AH
18	M14x1,5	16 $^{-0}_{-0,12}$	13	20 $^{-0}_{-0,010}$	25	25	55	58	83	19	HRT018AH
22	M16x1,5	20 $^{-0}_{-0,12}$	17	25 $^{-0}_{-0,010}$	31	30	62	68	99	23	HRT022AH
28	M20x1,5	22 $^{-0}_{-0,12}$	19	30 $^{-0}_{-0,010}$	38	36	80	85	123	29	HRT028AH
36	M27x2	28 $^{-0}_{-0,12}$	23	40 $^{-0}_{-0,012}$	48	45	90	105	153	37	HRT036AH
45	M33x2	35 $^{-0}_{-0,15}$	30	50 $^{-0}_{-0,012}$	58	55	105	130	188	46	HRT045AH
56	M42x2	44 $^{-0}_{-0,15}$	38	60 $^{-0}_{-0,015}$	75	68	134	150	225	57	HRT056AH
70	M48x2	55 $^{-0}_{-0,15}$	47	80 $^{-0}_{-0,015}$	97,5	78	156	185	282,2	64	HRT070AH
90	M64x3	70 $^{-0}_{-0,20}$	57	100 $^{-0}_{-0,020}$	117,5	100	190	240	357,5	86	HRT090AH

ISO 8132



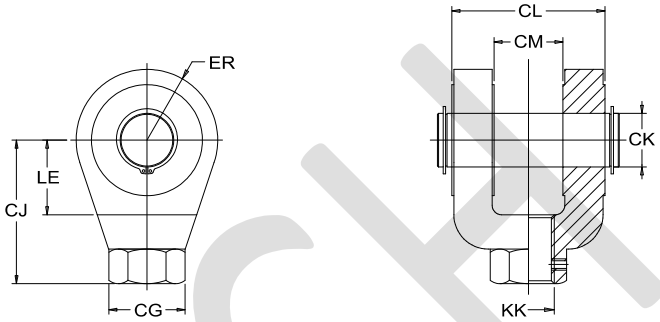


D	KK (metric)	B1	B2	C Ø	K Ø	R x Nº Ø	R x Nº Q.ty	R2	P/N
14	M12x1,25	17	6,8	56	40	6,6	4	11	HRT014AA
18	M14x1,5	19	9	63	45	9	4	14,5	HRT018AA
22	M16x1,5	23	9	72	54	9	6	14,5	HRT022AA
28	M20x1,5	29	9	82	63	9	6	14,5	HRT028AA
36	M27x2	37	11	100	78	11	6	17,5	HRT036AA
45	M33x2	46	13	120	95	13,5	8	20	HRT045AA
56	M42x2	57	17,5	150	120	17,5	8	26	HRT056AA
70	M48x2	64	21,5	190	150	22	8	33	HRT070AA
90	M64x3	86	25	230	180	26	8	40	HRT090AA

FISA

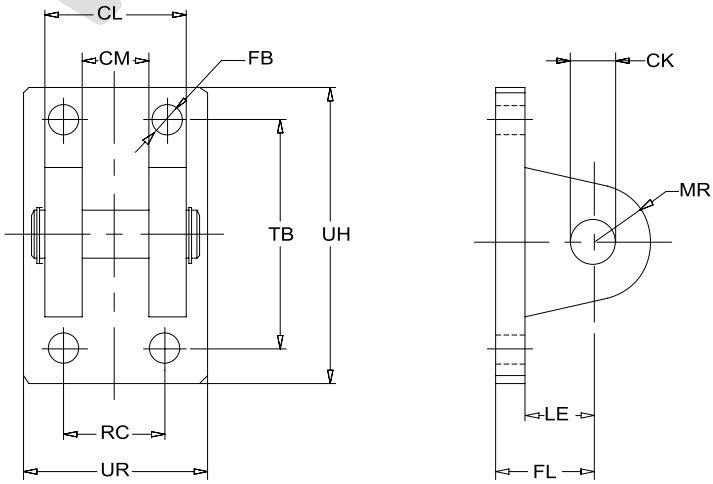
Hydraulické valce ISO 3320 - 160 bar
Séria HV

ISO 8133



D	KK (metric)	CK f8 Ø	CL max.	CM b12	CJ js13	LE min.	ER max.	CG	P/N
14	M12x1,25	12	32	16	36	19	17	21	HRT014AG
18	M14x1,5	14	40	20	38	19	17	21	HRT018AG
22	M16x1,5	20	60	30	54	32	29	32	HRT022AG
28	M20x1,5	20	60	30	60	32	29	32	HRT028AG
36	M27x2	28	80	40	75	39	34	40	HRT036AG
45	M33x2	36	100	50	99	54	50	56	HRT045AG
56	M42x2	45	120	60	113	57	53	56	HRT056AG
70	M48x2	56	140	70	126	63	59	75	HRT070AG
90	M64x3	70	160	80	168	83	78	95	HRT090AG
110	M80x3	70	160	80	168	83	78	95	HRT110AG
140	M100x3	100	230	100	250	90	95	160	HRT140AG

ISO 8132

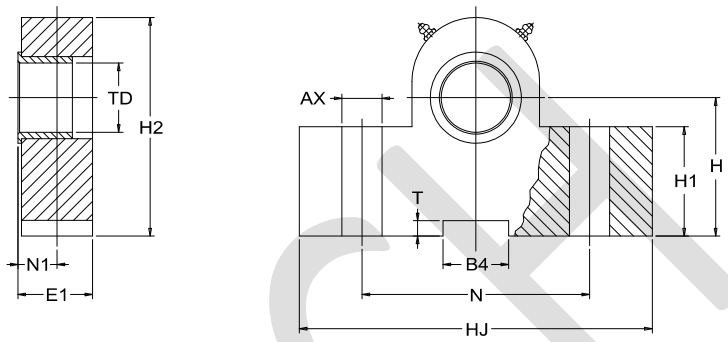


CK H9 Ø	CM A16	CL h13	FL js14	LE	FB Ø	TB js14	UH	RC js14	UR	MR	P/N
12	12	28	34	22	9	50	70	20	40	12	HRT012AC
16	16	36	40	27	11	65	90	26	50	16	HRT016AC
20	20	45	45	30	11	75	98	32	58	20	HRT020AC
25	25	56	55	37	13,5	85	113	40	70	25	HRT025AC
32	32	70	65	43	17,5	110	143	50	85	32	HRT032AC
40	40	90	76	52	22	130	170	65	108	40	HRT040AC
50	50	110	95	65	26	170	220	80	130	50	HRT050AC
63	63	140	112	75	33	210	270	100	160	63	HRT063AC
80	80	170	140	95	39	250	320	125	210	80	HRT080AC

FISA TECH

Hydraulické valce ISO 3320 - 160 bar
Séria HV

ISO 8132



D	AX H13 Ø	H A16	H1	H2 máx.	TD H7	HJ	E1	N	N1	B4 N9	T +0,3 +0	P/N
25	9	34	25	49	12	63	17	40	8	10	3,3	HRT025AF
32	11	40	30	59	16	80	21	50	10	16	4,3	HRT032AF
40	11	45	38	69	20	90	21	60	10	16	4,3	HRT040AF
50	13,5	55	45	80	25	110	26	80	12	25	5,4	HRT050AF
63	17,5	65	52	100	32	150	33	110	15	25	5,4	HRT063AF
80	22	76	60	120	40	170	41	125	16	36	8,4	HRT080AF
100	26	95	75	140	50	210	51	160	20	36	8,4	HRT100AF
125	33	112	85	177	63	265	61	200	25	50	11,4	HRT125AF
160	39	140	112	220	80	325	81	250	31	50	11,4	HRT160AF

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