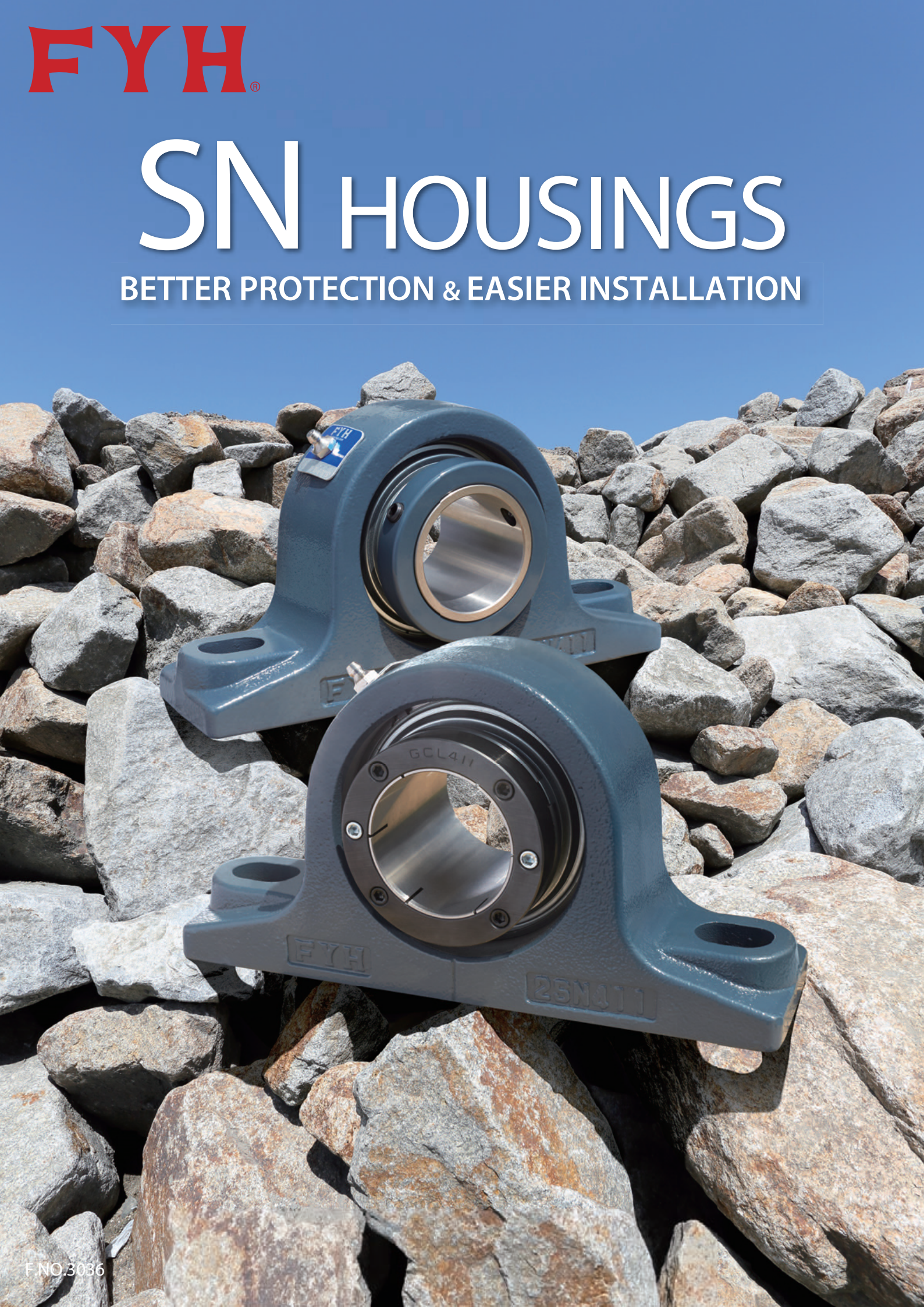
FYH®

SN HOUSINGS

BETTER PROTECTION & EASIER INSTALLATION

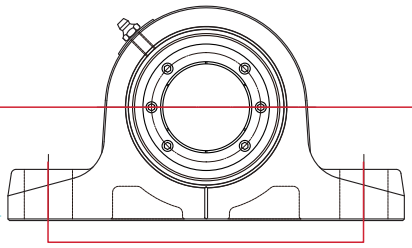


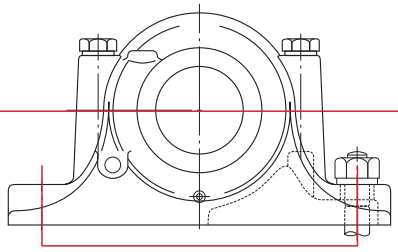
F.NO.3036

FYH patented Z LOCK and set screw lock spherical roller bearing units now have SN style housings for the replacement of SN plummer blocks.

COMPARISON OF FYH SN UNITS AND SN PLUMMER BLOCK UNITS

SAME CENTER HEIGHT
AND MOUNTING PITCH





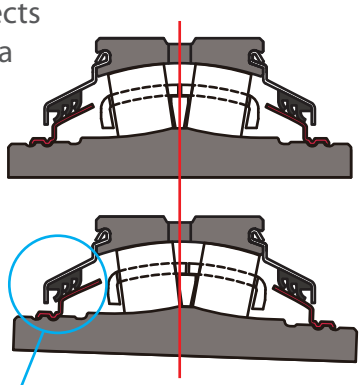
	FYH SN UNITS	SN PLUMMER BLOCK UNITS
HOUSING	ONE PIECE DUCTILE IRON	SPLIT GRAY CAST IRON
LOCKING	Z LOCK OR SET SCREW	ADAPTER SLEEVE
SEAL	ORIGINAL ALIGNED TRIPLE LIP ON INNER RING	SINGLE LIP SEAL ON SHAFT
LUBRICATION	CALCIUM SULFONATE SYNTHETIC GREASE	NONE
INSTALLATION	LESS THAN 10 MINUTES	MORE THAN 45 MINUTES

Z LOCK®

The patented Z-Lock is the first ever tapered bore locking collar system. Just tighten the cap screws properly and the specialized tapered bore collar provides extreme holding power on the shaft without causing any damage. This is a true 360 degree locking mechanism. Disassembly is easily accomplished with two threaded holes in the collar for standard withdrawal dismounting.

FYH ORIGINAL TRIPLE LIP SEAL

The triple-lip seal maintains positive contact with a special sealing ring at virtually any of shaft mis-alignment. Our new patented sealing design protects the bearing against a variety of wet and dry contaminants and dramatically improves bearing life. The ability to accommodate shaft expansion is also available.



Positive seal contact is maintained during mis-alignment at any angle.

Contamination is the single biggest problem that bearings face in applications such as aggregate, mining, forestry, pulp and paper and steel mills. Split plummer block units have single lip rubber seals that contact and wear on the shafting. **FYH's original triple lip seals contact on the inner ring and can handle ±2 degrees of shaft misalignment, plummer block seals are not designed for this amount of misalignment.** Adapter sleeves used in a split plummer blocks require time and skill to install correctly, incorrect installation can allow them to be too tight or too loose. FYH's true concentric Z Lock can be installed much faster and easier than adaptor sleeve locks. **The installation of Z Lock bearings should be able to be completed in less than ten minutes and saves cost in both time and manpower.**

FYH

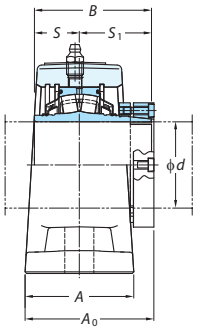
ZS2SN , XS2SN
Cylindrical bore
(with Z-Lock)
(with set screw collar lock)
d 1 3/8 ～ 4 inch
40 ～ 100 mm

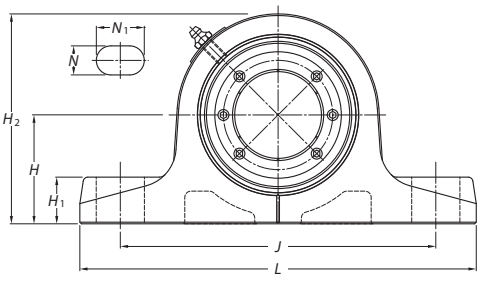
Variations of tolerance of distance from mounting bottom to center of cylindrical bore (*ΔHs*)

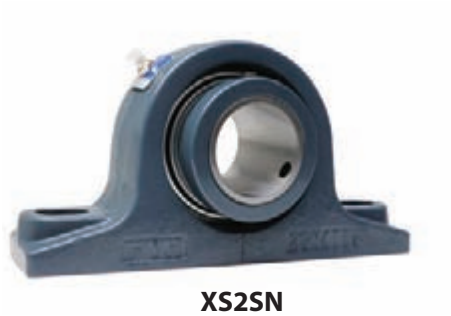
Unit: mm

Housing No.	*ΔHs*
2SN408 ～ 2SN409	±0.15
2SN410 ～ 2SN420	±0.16

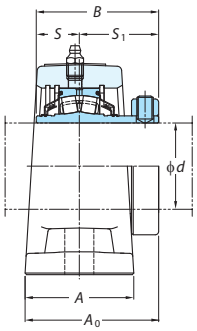
ZS2SN

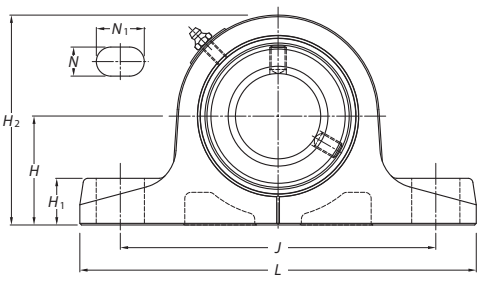






XS2SN





Shaft Dia. inch / mm *d*	Dimensions inch / mm *H*	*L*	*A*	*J*	*N*	*N*1	*H*1	*H*2	*A*0	*B*	*S*	*S*1	Unit No.	Bearing No.	Unit No.	Bearing No.	Bolt Size inch / mm
1 3/8													ZS2SN408-22	ZS408-22	XS2SN408-22	XS408-22	
1 7/16	2 3/8	8 1/16	2 3/8	6 1/2	19/32	31/32	31/32	4 13/32	2 23/32	2.531	1	1.531	ZS2SN408-23	ZS408-23	XS2SN408-23	XS408-23	1/2
1 1/2	60	205	60	164.8	15	24.8	25	112	68.9	64.3	25.4	38.9	ZS2SN408-24	ZS408-24	XS2SN408-24	XS408-24	M12
40													ZS2SN408	ZS408	XS2SN408	XS408	
1 11/16													ZS2SN409-27	ZS409-27	XS2SN409-27	XS409-27	
1 3/4	2 3/8	8 1/16	2 3/8	6 19/32	19/32	7/8	31/32	4 17/32	2 27/32	2.657	1	1.657	ZS2SN409-28	ZS409-28	XS2SN409-28	XS409-28	1/2
45	60	205	60	167.5	15	22.5	25	115	72.1	67.5	25.4	42.1	ZS2SN409	ZS409	XS2SN409	XS409	M12
1 15/16													ZS2SN410-31	ZS410-31	XS2SN410-31	XS410-31	
50	2 3/4	10 1/32	2 3/4	8	25/32	1 7/32	1 3/32	5 1/8	3 7/32	2.843	1	1.843	ZS2SN410	ZS410	XS2SN410	XS410	5/8
2	70	255	70	203	20	31	28	130	81.8	72.2	25.4	46.8	ZS2SN410-32	ZS410-32	XS2SN410-32	XS410-32	M16
55													ZS2SN411	ZS411	XS2SN411	XS411	
2 3/16	2 3/4	10 1/32	2 3/4	8	25/32	1 7/32	1 3/16	5 5/16	3 3/16	2.937	1.126	1.811	ZS2SN411-35	ZS411-35	XS2SN411-35	XS411-35	5/8
2 1/4	70	255	70	203	20	31	30	135	81	74.6	28.6	46	ZS2SN411-36	ZS411-36	XS2SN411-36	XS411-36	M16
60													ZS2SN412	ZS412	XS2SN412	XS412	
2 7/16	3 5/32	11 1/32	3 5/32	8 11/16	25/32	1 5/16	1 3/16	6 3/32	3 17/32	3.205	1.252	1.953	ZS2SN413-39	ZS413-39	XS2SN413-39	XS413-39	5/8
2 1/2	80	280	80	220.5	20	33.5	30	155	89.6	81.4	31.8	49.6	ZS2SN413-40	ZS413-40	XS2SN413-40	XS413-40	M16
65													ZS2SN413	ZS413	XS2SN413	XS413	
70													ZS2SN414	ZS414	XS2SN414	XS414	
2 11/16													ZS2SN415-43	ZS415-43	XS2SN415-43	XS415-43	
2 3/4	3 3/4	12 7/16	3 17/32	10 3/32	31/32	1 11/32	1 1/4	6 15/16	4 1/8	3.594	1.252	2.343	ZS2SN415-44	ZS415-44	XS2SN415-44	XS415-44	7/8
2 15/16	95	316	90	256.4	25	34.1	32	176	104.5	91.3	31.8	59.5	ZS2SN415-47	ZS415-47	XS2SN415-47	XS415-47	M22
75													ZS2SN415	ZS415	XS2SN415	XS415	
3													ZS2SN415-48	ZS415-48	XS2SN415-48	XS415-48	
80	3 15/16	13 19/32	3 15/16	11 3/32	31/32	1 11/32	1 3/8	7 25/32	4 17/32	4.079	1.516	2.563	ZS2SN416	ZS416	XS2SN416	XS416	7/8
	100	345	100	281.8	25	34	35	198	115.1	103.6	38.5	65.1					M22
3 1/4	4 13/32	13 19/32	3 15/16	11 1/32	31/32	1 1/2	1 3/8	8 9/32	4 17/32	4.079	1.516	2.563	ZS2SN417-52	ZS417-52	XS2SN417-52	XS417-52	7/8
85	112	345	100	280.2	25	38	35	210	115.1	103.6	38.5	65.1	ZS2SN417	ZS417	XS2SN417	XS417	M22
3 7/16													ZS2SN418-55	ZS418-55	XS2SN418-55	XS418-55	
3 1/2	4 13/32	14 31/32	4 11/32	12 3/16	1 5/32	1 11/16	1 9/16	8 19/32	4 23/32	4.079	1.516	2.563	ZS2SN418-56	ZS418-56	XS2SN418-56	XS418-56	1
90	112	380	110	309.9	29	43.1	40	218	120.1	103.6	38.5	65.1	ZS2SN418	ZS418	XS2SN418	XS418	M27
100													ZS2SN420	ZS420	XS2SN420	XS420	
3 15/16	4 29/32	16 5/32	4 23/32	13 3/16	1 5/32	1 27/32	1 25/32	9 13/32	5 7/32	4.484	1.626	2.858	ZS2SN420-63	ZS420-63	XS2SN420-63	XS420-63	1
4	125	410	120	335.2	29	46.8	45	239	132.6	113.9	41.3	72.6	ZS2SN420-64	ZS420-64	XS2SN420-64	XS420-64	M27

FYH

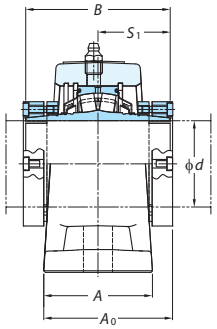
ZDS2SN , XDS2SN
Cylindrical bore
(with Z-Lock (both))
(with set screw collar lock (both))
d 2 7/16 ～ 4 inch
60 ～ 100 mm

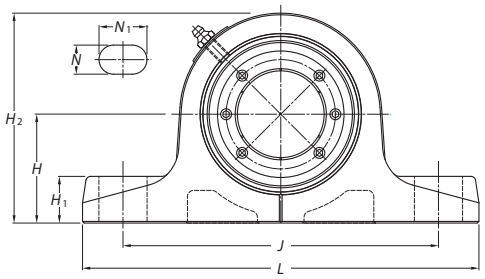
Variations of tolerance of distance from mounting bottom to center of cylindrical bore (*ΔHs*)

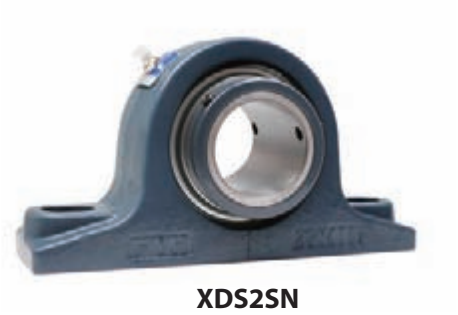
Unit: mm

Housing No.	*ΔHs*
2SN412 ～ 2SN420	±0.16

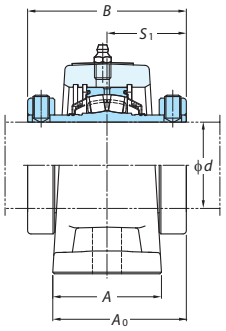
ZDS2SN

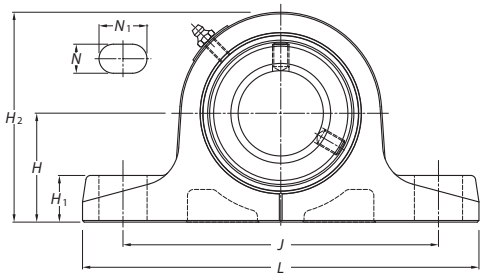






XDS2SN





Shaft Dia. inch / mm *d*	Dimensions inch / mm *H*	*L*	*A*	*J*	*N*	*N*1	*H*1	*H*2	*A*0	*B*	*S*1	Unit No.	Bearing No.	Unit No.	Bearing No.	Bolt Size inch / mm
60												**ZDS2SN412**	ZDS412	**XDS2SN412**	XDS412	
2 7/16	3 5/32	11 1/32	3 5/32	8 11/16	25/32	1 5/16	1 3/16	6 3/32	3 17/32	3.906	1.953	**ZDS2SN413-39**	ZDS413-39	**XDS2SN413-39**	XDS413-39	5/8
2 1/2	80	280	80	220.5	20	33.5	30	155	89.6	99.2	49.6	**ZDS2SN413-40**	ZDS413-40	**XDS2SN413-40**	XDS413-40	M16
65												**ZDS2SN413**	ZDS413	**XDS2SN413**	XDS413	
70												**ZDS2SN414**	ZDS414	**XDS2SN414**	XDS414	
2 11/16												**ZDS2SN415-43**	ZDS415-43	**XDS2SN415-43**	XDS415-43	
2 3/4	3 3/4	12 7/16	3 17/32	10 3/32	31/32	1 11/32	1 1/4	6 15/16	4 1/8	4.686	2.343	**ZDS2SN415-44**	ZDS415-44	**XDS2SN415-44**	XDS415-44	7/8
2 15/16	95	316	90	256.4	25	34.1	32	176	104.5	119	59.5	**ZDS2SN415-47**	ZDS415-47	**XDS2SN415-47**	XDS415-47	M22
75												**ZDS2SN415**	ZDS415	**XDS2SN415**	XDS415	
3												**ZDS2SN415-48**	ZDS415-48	**XDS2SN415-48**	XDS415-48	
80	3 15/16	13 19/32	3 15/16	11 3/32	31/32	1 11/32	1 3/8	7 25/32	4 17/32	5.126	2.563	**ZDS2SN416**	ZDS416	**XDS2SN416**	XDS416	7/8
	100	345	100	281.8	25	34	35	198	115.1	130.2	65.1					M22
3 1/4	4 13/32	13 19/32	3 15/16	11 1/32	31/32	1 1/2	1 3/8	8 9/32	4 17/32	5.126	2.563	**ZDS2SN417-52**	ZDS417-52	**XDS2SN417-52**	XDS417-52	7/8
85	112	345	100	280.2	25	38	35	210	115.1	130.2	65.1	**ZDS2SN417**	ZDS417	**XDS2SN417**	XDS417	M22
3 7/16												**ZDS2SN418-55**	ZDS418-55	**XDS2SN418-55**	XDS418-55	
3 1/2	4 13/32	14 31/32	4 11/32	12 3/16	1 5/32	1 11/16	1 9/16	8 19/32	4 23/32	5.126	2.563	**ZDS2SN418-56**	ZDS418-56	**XDS2SN418-56**	XDS418-56	1
90	112	380	110	309.9	29	43.1	40	218	120.1	130.2	65.1	**ZDS2SN418**	ZDS418	**XDS2SN418**	XDS418	M27
100												**ZDS2SN420**	ZDS420	**XDS2SN420**	XDS420	
3 15/16	4 29/32	16 5/32	4 23/32	13 3/16	1 5/32	1 27/32	1 25/32	9 13/32	5 7/32	5.716	2.858	**ZDS2SN420-63**	ZDS420-63	**XDS2SN420-63**	XDS420-63	1
4	125	410	120	335.2	29	46.8	45	239	132.6	145.2	72.6	**ZDS2SN420-64**	ZDS420-64	**XDS2SN420-64**	XDS420-64	M27