

For Guaranteed High-performance

With roller chain power transmission, the chain and sprocket work as one, and to achieve superior power transmission performance, good sprockets are a must. Our precise manufacturing methods produce superior RS Standard Sprockets with extremely accurate tooth profiles to ensure excellent roller chain power transmission.

RS Standard Sprockets

New B-type

- Single hub
- Machined



New B-type

- Single hub
- Welded



New double-strand B-type

- Single hub
- Machined



New double-strand B-type

- Single hub
- Welded



A-type

- Flat-type



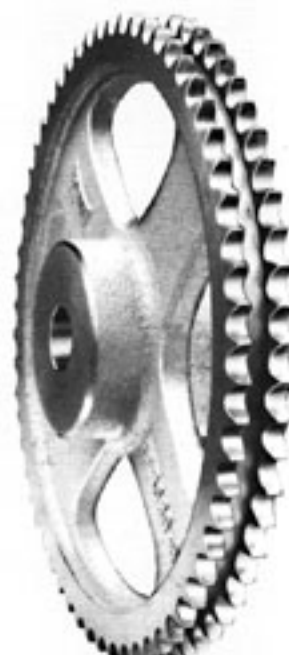
Single-strand C-type

- Double hub



Double-strand C-type

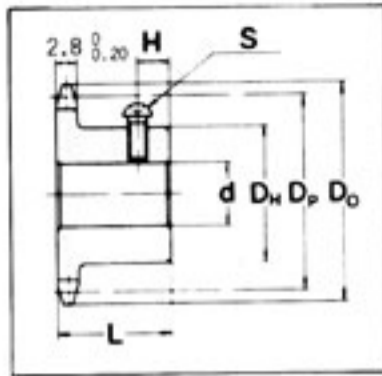
- Double hub



RS Standard sprockets to satisfy any requirement

- A broad range of standard products to fit all driving conditions.
- Economically priced.

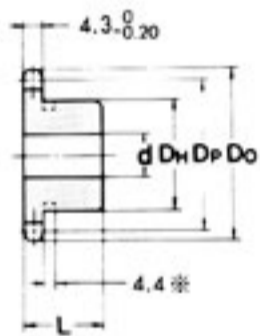
RS25 Standard Sprockets



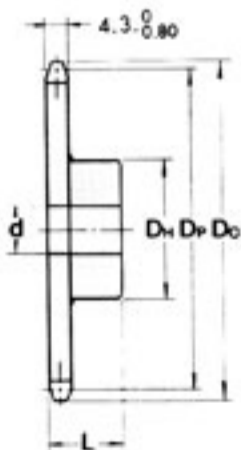
No. of Teeth	Pitch Dia. D_p	Outside Dia. D_o	B-type							Approx. Weight (gf)	Material
			Bore Dia. d		Hub		Screw (Phillips, pan head)				
			Type 1	Type 2	Dia. D_H	Length L	H	S			
10	20.55	23.5	6 H8	8 H8	13	14	4	M3 x 6	13	Ferrous sintered powder metal (SM-F4030)	
11	22.54	25.5	6 H8	8 H8	15	14	4	M3 x 8	16		
12	24.53	27.5	8 H8	10 H8	17	14	4	M4 x 8	20		
13	26.53	29.5	8 H8	10 H8	18	14	4	M4 x 8	23		
14	28.54	31.5	8 H8	10 H8	19	14	4	M4 x 8	26		
15	30.54	33.5	8 H8	10 H8	20	14	4	M4 x 10	31		
16	32.55	35.5	8 H8	10 H8	21	16	5	M4 x 10	38		
17	34.56	37.5	8 H8	10 H8	23	16	5	M4 x 10	45		
18	36.57	39.5	8 H8	10 H8	25	16	5	M4 x 12	52		
19	38.58	41.5	8 H8	10 H8	26	16	5	M4 x 12	60		
20	40.59	43.5	8 H8	10 H8	28	16	5	M4 x 14	68		
21	42.61	45.5	8 H8	10 H8	30	18	7	M4 x 14	80		
22	44.62	47.5	8 H8	10 H8	30	18	7	M4 x 14	84		
23	46.63	49.5	8 H8	10 H8	30	18	7	M4 x 14	88		
24	48.65	51.5	8 H8	10 H8	30	18	7	M4 x 14	93		
25	50.66	53.5	8 H8	10 H8	30	18	7	M4 x 14	98		
26	52.68	55.8	10 H8	12 H8	30	18	7	M4 x 14	98		
28	56.71	59.8	10 H8	12 H8	30	18	7	M4 x 14	103		
30	60.75	63.9	10 H8	12 H8	30	18	7	M4 x 14	110		
32	64.78	67.9	10 H8	12 H8	30	18	7	M4 x 14	117		

Notes: 1. The bore hole is finished, and a set screw included. 2. All of the above are stock products.

RS35 Standard Sprockets



New B-type (machined)



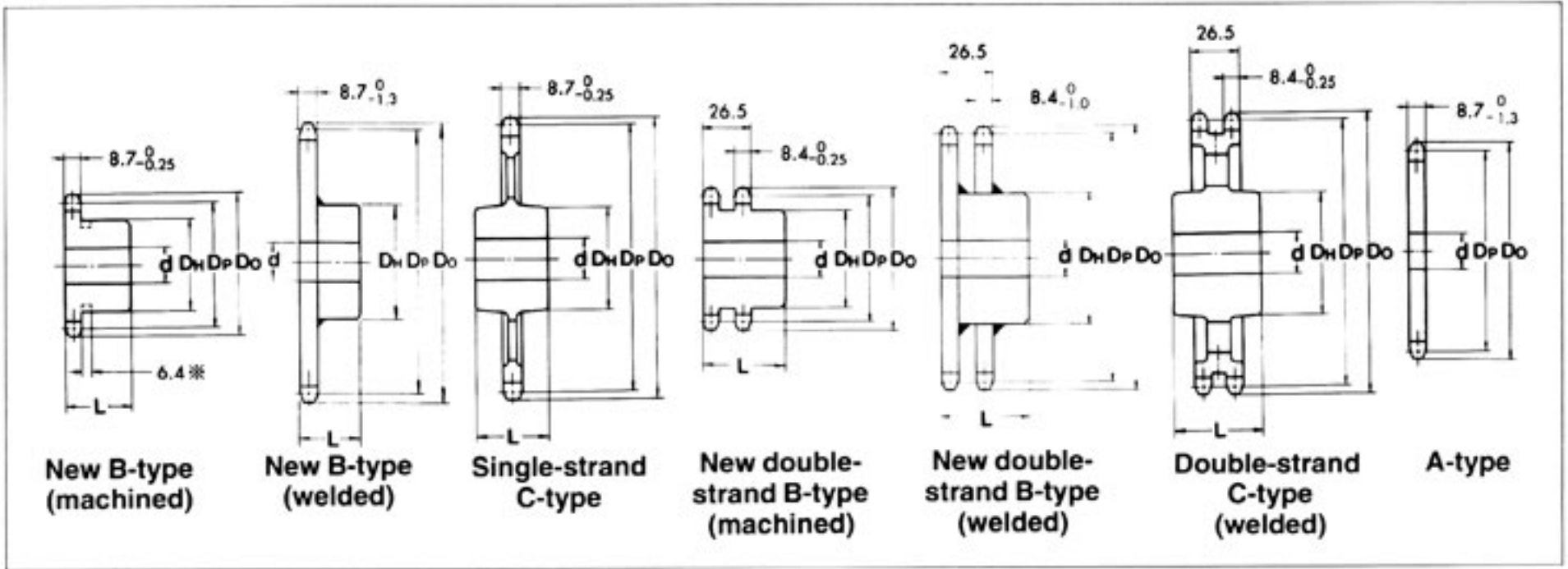
New B-type (welded)

No. of Teeth	Pitch Dia. D_p	Outside Dia. D_o single	New B-type				Approx. Weight (kgf)	Material	No. of Teeth
			Bore Dia. d		Hub				
			Stock Bore	Max.	Dia. D_H	Length L			
9	27.85	32	8	11.0	22	20	0.06	※	9
10	30.82	34	8	12.0	25	20	0.08	※	10
11	33.81	38	8	14.0	27	20	0.09	※	11
12	36.80	40	8	16.5	31	20	0.12	※	12
13	39.80	44	9.5	18.0	32	20	0.12	※	13
14	42.81	46	9.5	16.5	30	20	0.12	Machined S38C	14
15	45.81	51	9.5	19.0	35	20	0.16		15
16	48.82	53	9.5	20.0	37	20	0.19		16
17	51.84	57	9.5	24.0	41	20	0.22		17
18	54.85	60	12.5	24.5	44	20	0.25		18
19	57.87	63	12.5	28.5	47	20	0.28		19
20	60.89	66	12.5	30.0	50	20	0.32		20
21	63.91	69	12.5	32.0	53	20	0.36		21
22	66.93	72	12.5	32.0	53	20	0.37		22
23	69.95	75	12.5	32.0	53	20	0.38		23
24	72.97	78	12.5	32.0	53	22	0.43	24	
25	76.00	81	12.5	32.0	53	22	0.44	25	
26	79.02	83	12.5	32.0	53	22	0.45	26	
27	82.05	87	12.5	32.0	53	22	0.46	27	
28	85.07	90	12.5	32.0	53	22	0.48	28	
30	91.12	96	12.5	32.0	53	22	0.51	30	
32	97.18	102	12.5	32.0	53	22	0.54	32	
34	103.23	109	12.5	32.0	53	22	0.57	34	
35	106.26	112	12.5	32.0	53	22	0.59	35	
36	109.29	115	12.5	32.0	53	22	0.61	36	
38	115.34	121	13	42	63	25	0.82	Welded SS41	38
40	121.40	127	13	42	63	25	0.85		40
45	136.55	142	13	42	63	25	0.95		45
48	145.64	151	13	42	63	25	1.0		48
54	163.81	169	13	42	63	25	1.2		54
60	182.00	187	13	42	63	25	1.3		60
70	212.30	218	16	45	68	25	1.7		70
75	227.46	233	16	45	68	25	1.8		75

Notes:

- The maximum bore diameter shown is for normal circumstances. When choosing the bore diameter, base your decision on normal machine design criteria (the same applies to the surface pressure on the key).
- The sprockets in the colored section have induction hardened teeth.
- The \div dimension in the New B-type drawing is the width of a recessed groove. The dimensions of the recessed grooves are: 9 teeth: 16mm, 10 teeth: 18mm, 11 teeth: 22mm, 12 teeth: 24mm, and 13 teeth: 28mm.
- All of the above are stock products.

RS50 Standard Sprockets

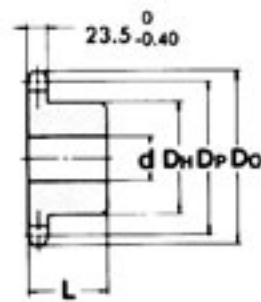


No. of Teeth	Pitch Dia. Dp	Outside Dia. Do	New B-type							Single-strand C-type					New Double-strand B-type					Double-strand C-type					A-type			No. of Teeth			
			Bore Dia. d		Hub		Approx. Wgt. (kg)	Material	Bore Dia. d		Hub		Approx. Wgt. (kg)	Material	Bore Dia. d		Hub		Approx. Wgt. (kg)	Material	Bore Dia. d		Hub	Approx. Wgt. (kg)	Material						
			Stock Bore	Max.	Dia. Dh	Length L			Stock Bore	Max.	Dia. Dh	Length L			Stock Bore	Max.	Dia. Dh	Length L			Stock Bore	Max.				Dia. Dh	Length L		Stock Bore	Max.	Dia. Dh
9	46.42	53	9.5	19	34	25	0.20	※																		9					
10	51.37	58	9.5	22	40	25	0.27	※																			10				
11	56.35	63	12.5	24.5	46	25	0.33	※																			11				
12	61.34	68	12.5	32	51	25	0.41	※						12.5	24	42	40	0.60									12				
13	66.34	73	12.5	32	51	25	0.46	※						12.5	28.5	47	40	0.73									13				
14	71.34	78	12.5	32	52	25	0.52							12.5	32	52	40	0.87						18	0.24		14				
15	76.35	83	12.5	35	57	25	0.62							12.5	35	57	40	1.0						18	0.27		15				
16	81.37	88	12.5	39.5	62	25	0.72							12.5	39.5	62	45	1.3						18	0.31		16				
17	86.39	93	12.5	45.5	67	25	0.83							12.5	45.5	67	45	1.5						18	0.35		17				
18	91.42	98	12.5	47.5	72	28	1.0	Machined S3BC						12.5	47.5	72	45	1.7	Machined S3BC						18	0.40		18			
19	96.45	105	16.0	47.5	73	28	1.1							16.0	52	79	45	2.0						18	0.44		19				
20	101.48	110	16.0	47.5	73	28	1.2							16.0	55	82	45	2.2						18	0.49		20				
21	106.51	115	16.0	47.5	73	28	1.2							16.0	60	89	45	2.5						18	0.54		21				
22	111.55	120	16.0	47.5	73	28	1.3							16.0	63	92	50	2.9						18	0.60		22				
23	116.58	125	16.0	47.5	73	28	1.3							16.0	67	99	50	3.3									23				
24	121.62	130	16.0	47.5	73	28	1.4							16.0	70	102	50	3.6						18	0.71		24				
25	126.66	135	16.0	47.5	73	28	1.5							16.0	75	109	50	4.0						18	0.78	SS41	25				
26	131.70	140	18	48	73	28	1.5							18	63	93	50	3.4						18	0.84		26				
27	136.74	145	18	48	73	28	1.5																				27				
28	141.79	150	18	48	73	28	1.6																				28				
30	151.87	161	18	48	73	28	1.8							18	63	93	50	4.0						18	1.1		30				
32	161.96	171	18	48	73	28	1.9																				32				
34	172.05	181	18	48	73	28	2.1																				34				
35	177.10	186	18	48	73	28	2.2							18	63	93	50	4.8						33	60	100	80	5.6	18	1.5	35
36	182.14	191	23	55	83	35	2.7							23	45	75	50	3.1						23	1.6		36				
38	192.24	201	23	55	83	35	2.9							23	45	75	50	3.2									38				
40	202.33	211	23	55	83	35	3.1							23	45	75	50	3.3						23	2.0		40				
42	212.43	221	23	55	83	35	3.3							23	45	75	50	3.6	FC25					23	2.5		42				
45	227.58	237	23	55	83	35	3.6							23	45	75	50	3.8						23	2.9		45				
48	242.73	252	23	55	83	35	4.0							23	45	75	50	4.0						23	3.1		48				
50	252.83	262																									50				
54	273.02	282	23	55	83	35	4.8							23	45	75	50	4.5						23	3.6		54				
60	303.33	312	23	55	83	35	5.6							23	51	85	60	5.8						23	4.6		60				
65	328.58	338	23	63	93	40	6.9							28	51	85	60	6.3									65				
70	353.84	363	23	63	93	40	7.7							28	51	85	60	6.8									70				
75	379.10	388	23	63	93	40	8.6							28	51	85	60	7.2									75				

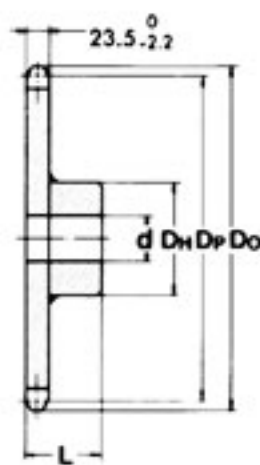
Notes:

- The maximum bore diameter shown is for normal circumstances. When choosing the bore diameter, base your decision on normal machine design criteria (the same applies to the surface pressure on the key).
- The sprockets in the colored section have induction hardened teeth.
- The outside diameters given in the table are the dimensions for the New B-type. Dimensions for other types may differ.
- The ϕ dimension in the New B-type illustration is the width of a recessed groove. The dimensions of the recessed grooves are: 9 teeth: 27mm, 10 teeth: 32 mm, 11 teeth: 37mm, and 12 teeth: 42mm and 13 teeth: 47.
- All of the above are stock products.

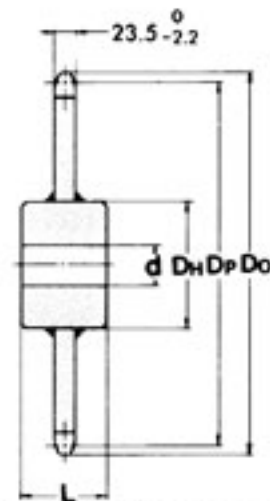
RS140 Standard Sprockets



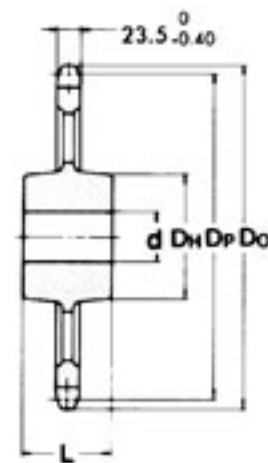
**New single-strand
B-type
(machined)**



**New single-strand
B-type
(welded)**



**New single-strand
C-type
(welded)**



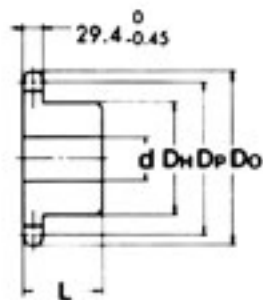
**Single-strand
C-type**

No. of Teeth	Pitch Dia. D_p	Out-side Dia. D_o	New B-type					Single-strand C-type					No. of Teeth		
			Bore Dia. d		Hub		Approx. Weight (kgf)	Material	Bore Dia. d		Hub			Approx. Weight (kgf)	Material
			Stock Bore	Max.	Dia. D_H	Length L			Stock Bore	Max.	Dia. D_H	Length L			
10	143.84	163	28	60	91	56	4.4	Machined S38C							10
11	157.78	178	33	73	106	56	5.5								11
12	171.74	193	33	80	117	56	6.6								12
13	185.74	207	33	80	117	63	7.9								13
14	199.76	221	33	89	127	63	9.3		★ Welded/ machined (teeth: S38C, hub: SS41)						14
15	213.79	236	33	89	127	63	10.1								15
16	227.84	250	33	89	127	63	11.0								16
17	241.91	264	33	89	127	63	12.0								17
18	255.98	279	33	89	127	63	13.0								18
19	270.06	293	33	95	137	71	15.6								19
20	284.15	307	33	95	137	71	16.7	Welded SS41						20	
21	298.24	322	33	95	137	71	17.9							21	
22	312.34	336	33	95	137	71	18.4		63	105	155	115	22.9	SC46	22
24	340.54	364	33	95	137	71	20.9		63	105	155	115	24.0		24
25	354.65	379	38	103	147	80	24.1								25
26	368.77	393	38	103	147	80	25.5		63	105	155	115	25.4		26
30	425.24	450	38	103	147	80	31.5		63	105	155	115	33.5		30
35	495.88	521	38	110	157	90	42.9		63	105	155	125	42.0		35
40	566.54	591	38	110	157	90	53.1		68	110	160	130	52.4		40
45	637.22	662	38	118	167	100	67.6		※						45
48	679.63	705	38	118	167	100	64.3	※※	68	110	160	130	65.9		48
60	849.32	875	38	118	167	112	85.6	※※	73	120	175	155	98.7		60

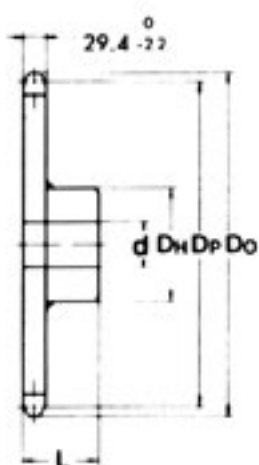
Notes:

1. The maximum bore diameter shown is for normal circumstances. When choosing the bore diameter, base your decision on normal machine design criteria (the same applies to the surface pressure on the key).
2. The \oplus mark indicates C-type shape.
3. The $\oplus\oplus$ mark indicates C-type shape with balance hole processing.
4. The \star mark indicates that, depending on availability, the material for the New B-type (14 to 21 teeth) may be changed to forged material [S38C] without notice.
5. All of the above are stock products.

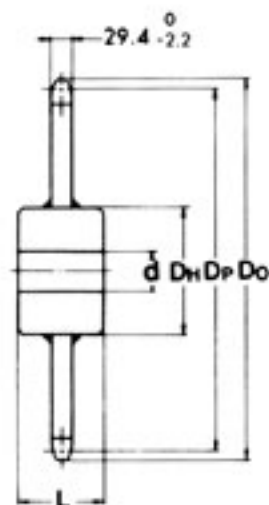
RS 160 Standard Sprockets



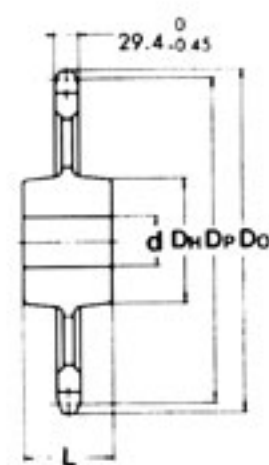
**New single-strand
B-type
(machined)**



**New single-strand
B-type
(welded)**



**New single-strand
C-type
(welded)**



**Single-strand
C-type**

No. of Teeth	Pitch Dia. D_p	Out-side Dia. D_o	New B-type					Single-strand C-type					No. of Teeth			
			Bore Dia. d		Hub		Approx. Weight (kgf)	Material	Bore Dia. d		Hub			Approx. Weight (kgf)	Material	
			Stock bore	Max.	Dia. D_H	Length L			Stock bore	Max.	Dia. D_H	Length L				
10	164.39	187	33	70	105	63	6.8	Machined S38C							10	
11	180.31	204	33	80	117	63	8.3								11	
12	196.28	220	33	89	127	63	9.9								12	
13	212.27	237	33	95	137	71	12.5		★ Welded/ machined (teeth: S38C, hub: SS41)						13	
14	228.30	253	33	95	137	71	13.8								14	
15	244.33	269	33	95	137	71	15.2								15	
16	260.39	286	33	103	147	71	17.4								16	
17	276.46	302	33	103	147	71	18.9								17	
18	292.55	319	33	103	147	71	20.6								18	
19	308.64	335	33	103	147	71	22.3								19	
20	324.73	351	33	103	147	71	24.2							20		
21	340.84	368	33	103	147	71	26.1							21		
22	356.96	384	38	118	167	80	30.2	Welded SS41		68	115	170	125	31.8	SC46	22
24	389.19	416	38	118	167	80	34.4		68	115	170	125	34.5	24		
25	405.32	433	38	118	167	80	36.6							25		
26	421.45	449	38	118	167	80	38.9		68	115	170	125	37.5	26		
30	485.99	514	38	118	167	100	52.3							30		
35	566.71	595	38	118	167	100	66.9		68	115	170	135	64.7	35		
40	647.47	676	38	118	167	112	85.8		※	73	125	180	150	78.5		40
45	728.25	757	38	132	187	125	92.4		※ ※							45
48	776.72	806	38	132	187	125	100.9		※ ※	73	125	180	150	97.7		48
60	970.65	1000	38	132	187	125	135.4		※ ※	73	125	180	160	150.7		60

Notes:

1. The maximum bore diameter shown is for normal circumstances. When choosing the bore diameter, base your decision on normal machine design criteria (the same applies to the surface pressure on the key).
2. The ★ mark indicates C-type shape.
3. The ※※ mark indicates C-type shape with balance hole processing.
4. The ★ mark indicates that, depending on availability, the material for the New B-type (14 to 21 teeth) may be changed to forged material (S38C) without notice.
5. All of the above are stock products.