



Parts Catalog

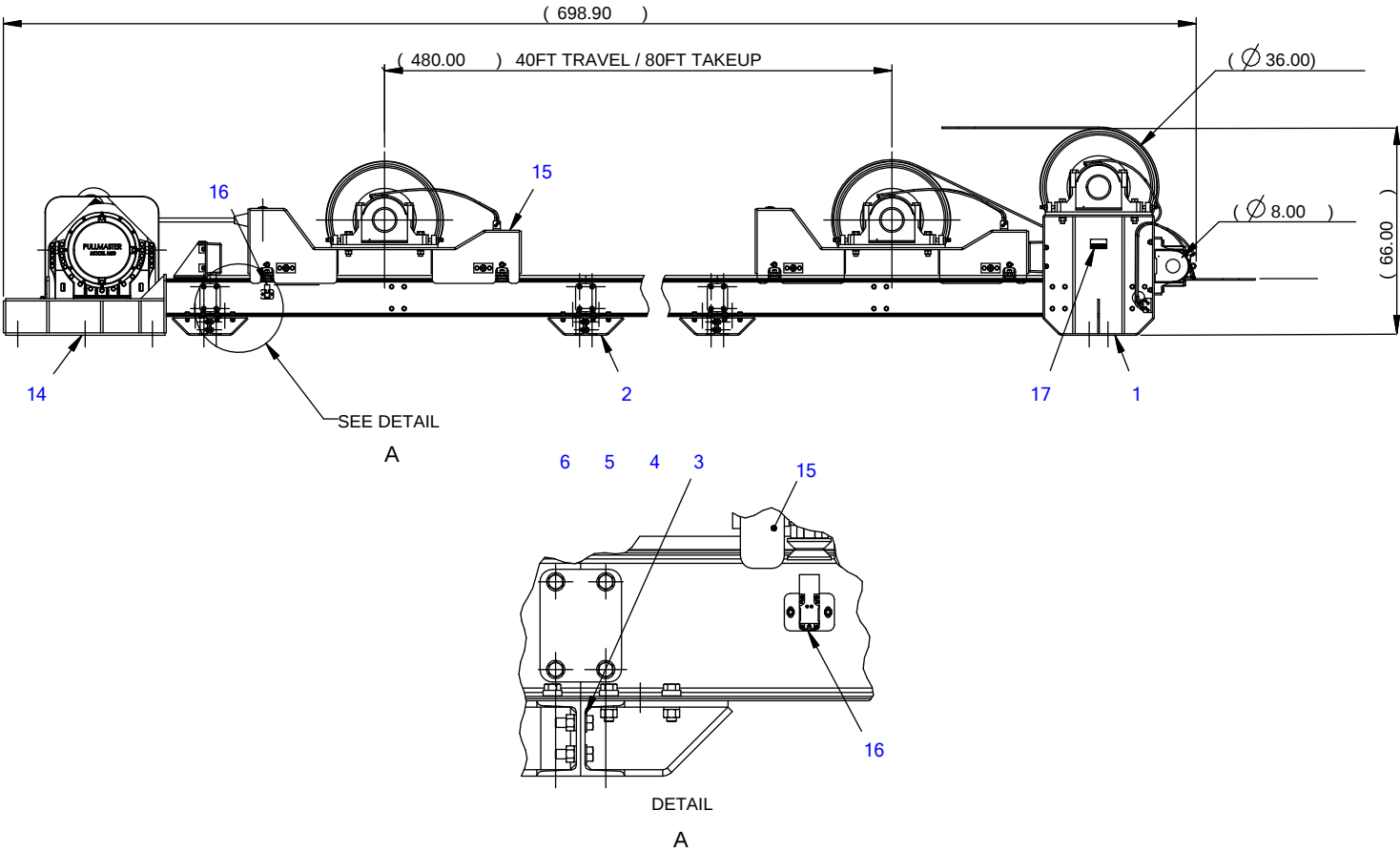
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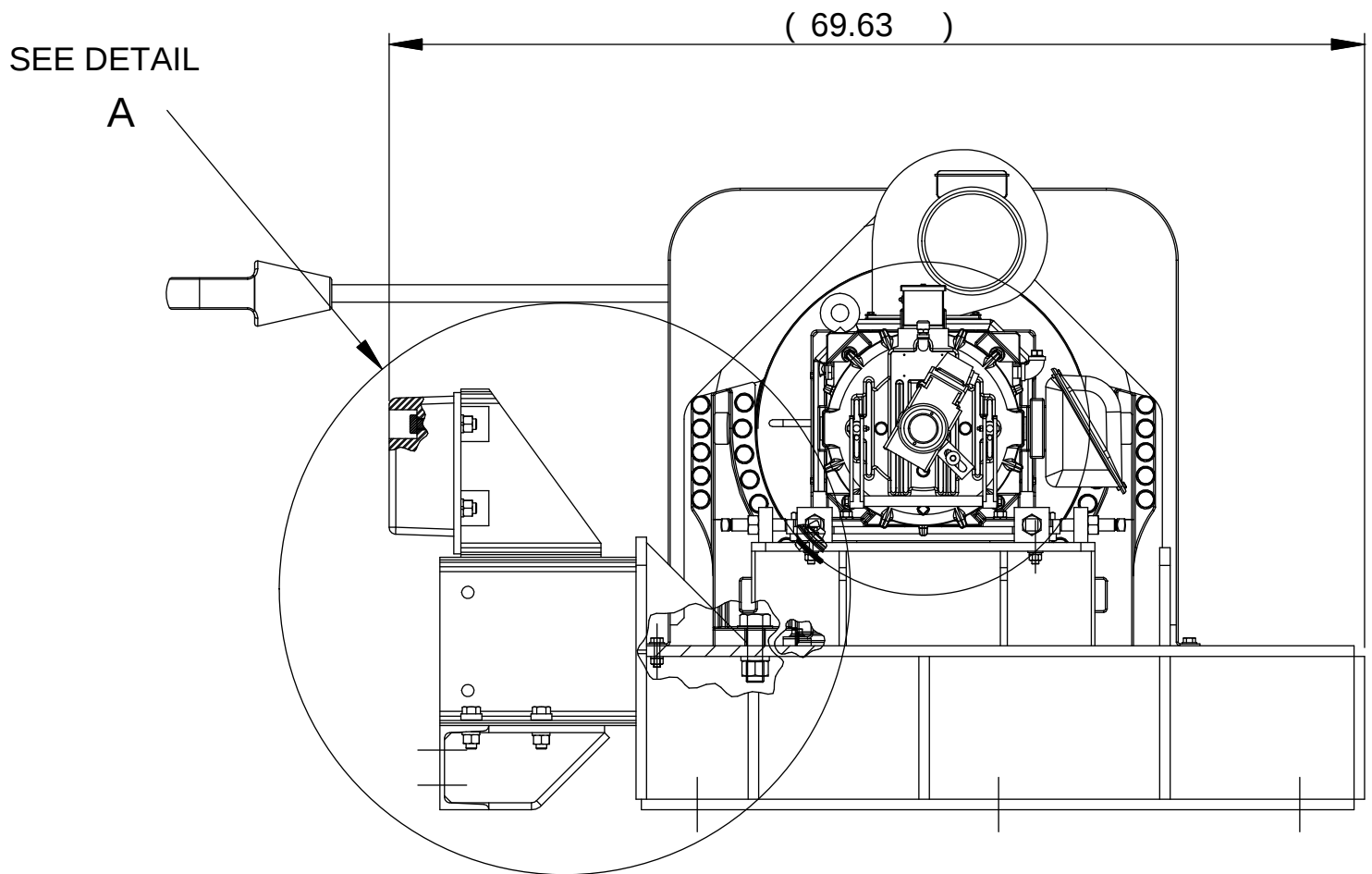
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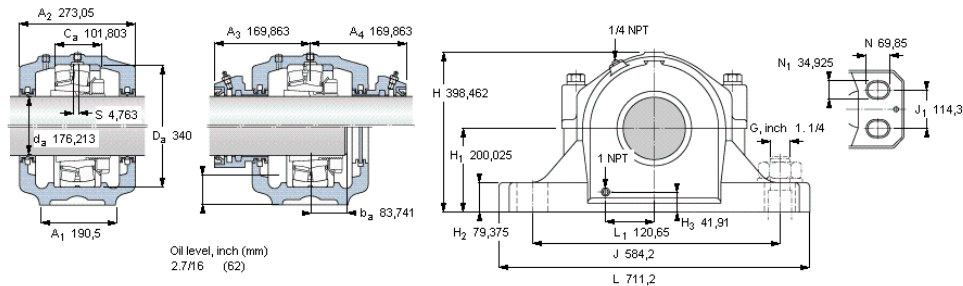






Split plummer block housings, SAF series with spherical roller bearings on an adapter sleeve

Shaft diameter d_a	Bearing Designation	Basic load rating, dynamic	Housing Principal dimensions A_2 L H H_1	Mass for kit with labyrinth seals	Designations for housing kits with Labyrinth seals	PosiTrac Plus seals	Taconite seals
mm	-	kN	mm	kg	-		
176,213	22238 CCK/W33	1270	273,05 711,2 398,462 200,025 180		SAF 22538	SAF 22538 TLC	SAF 22538 T

Housing kit components¹⁾

Housing ²⁾	SAF 538
Bearing ³⁾	22238 CCK/W33
Locating ring	SR 38-32
Adapter sleeve	SNW 38x6 15/16
Seal options:	
Labyrinth seals	LOR 155
PosiTrac Plus seals	B-10724-155
Taconite seals	TER 155

Alternative seal options

Taconite with V-ring (suffix TV)	TER 155 V
Contact seals (suffix -210)	-
End cover (suffix Y)	EPR 20

Notes

- ¹⁾ Housing kit components can also be ordered separately
²⁾ Housings only are always supplied with labyrinth rings and locating ring
³⁾ See catalogue "Rolling bearings" for other internal clearances
⁴⁾ Grease quantity valid for 100 % bearing fill, 50 % housing fill

Consult SKF prior to design change or order placement

Speed ratings, r/min

Bearing limiting speed (Labyrinth seals)	2400
Max. speed for PosiTrac Plus seals	625
Max. speed for Taconite seals	440

Cap bolts

Size, inch	7/8-9
Rec. tightening torque, ft-lbs (Nm)	600 (820)

Appropriate attachment bolts

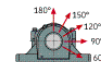
Size, inch (mm)	1. 1/4 (30)
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Grease quantity⁴⁾

Initial fill, lb (kg)	7,25 (3,3)
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Max. safe housing loads, lbf (kN)

P ₆₀ *	65100 (290)
P ₉₀ *	39000 (173)
P ₁₂₀ *	24000 (107)
P ₁₅₀ *	21200 (94,3)
P ₁₈₀ *	25500 (113)
P _a	11800 (52,4)



EXTREME PRESSURE GEAR OILS

	<u>LIMIT</u>	<u>TYP.</u>
ISO VG	460	460
SAE GRADE EXTREME PRESSURE TYPE	140	140
VISCOSITY INDEX ASTM D-2270	MIN. 85	96
FLASH POINT ASTM D-92	MIN. 450°F.(232°C)	440°F.
POUR POINT ASTM D-97	MAX. 20°F(-7°C)	20°F.
TIMKEN TEST ASTM D-2782	MIN 60#	65#
FKOUR BALL EP TEST ASTM D-2783	WELD LOAD KG. MIN. LOAD WEAR INDEX NOT LESS THAN 45.0	240 47
FOUR BALL WEAR TEST ASTM D-2266 (20 KG. 1800 RPM, 130°F., ONE HOUR)	MAX. 0.8MM SCAR DIAMETER.	0.27
COEFFICIENT OF FRICTION	MAX. 0.1	UNKNOWN
OXIDATION TEST, OIL BLOWN FOR 312 HOURS AT 250°F. (95°C.). TEN (10) LITERS OF DRY AIR PER HOURS. PERCENT INCREASE SSU VISCOSITY AT 210°F. = 6% MAX.		2.2% INCREASE
FOUR SQUARE GEAR OIL TEST	NOT LESS THAN ELEVENTH STAGE.	STAGE 12
VISCOSITY SSU @ 100°F. SSU @ 210°F. CST @ 40°C. CST @ 100°C.	1844/4345 120/200 414/506 30.3	2237-2609 149
DEMULSIBILITY TEST ASTM D-2711 WATER IN OIL FREE WATER AFTER CENTRIFUGE TOTAL WATER	1.5 ML. MAX. 81 ML. MIN. 2 ML. MAX. 84.5 ML. MIN.	0.8 ML. 83.0 ML. 0.7 ML. 83.7 ML.
USS 244 REQUIRMENT WATER IN OIL FREE WATER AFTER CENTRIFUGE TOTAL WATER	2.0 ML. MAX. 80.0 ML. MAX. 2.0 ML. MAX. 30.0 ML. MIN.	

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